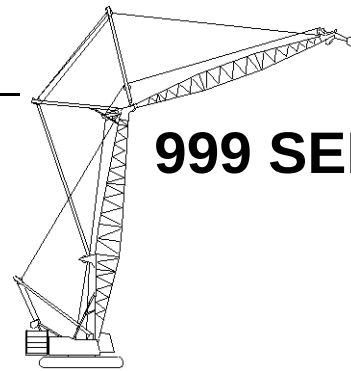




Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 3,900 Lb. minimum block weight.

Consult Luffing Jib Raising Procedure chart **No. 8422-A** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

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

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom, intermediate fall and luffing jib point sheaves, is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 1/2 in. in 10 Ft. and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8357-A** and Luffing Jib Raising Procedure chart **No. 8422-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or

lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

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

Consult chart **No. 8345-A** for intermediate fall capacities. Consult chart **No. 8361-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8351-A** for fixed jib on luffing jib capacities. Chart **No. 8361-A** cannot be used when fixed jib No. 134 is attached to luffing jib No. 149.

Intermediate Fall Deduct

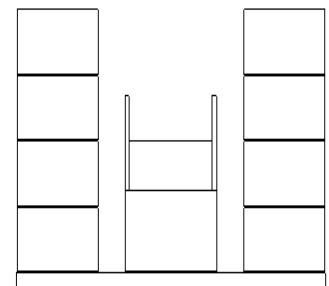
Deduct 1,500 Lbs. from capacities when luffing jib is equipped with intermediate fall.

Boom Catwalks Deduct

Deduct 300 Lbs. from capacities when boom catwalks are attached.

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached

Fixed Jib Length	Fixed Jib No.134
30 Ft.	4,100 Lbs.
40 Ft.	4,900 Lbs.
50 Ft.	5,800 Lbs.
60 Ft.	6,700 Lbs.
70 Ft.	7,400 Lbs.
80 Ft.	8,400 Lbs.



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

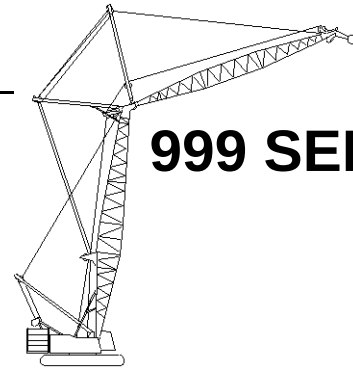


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 70 Ft. Jib

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

80 Ft. Boom, 80 Ft. Jib

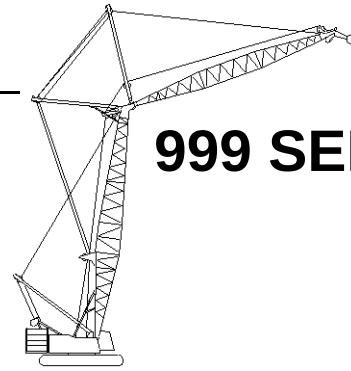
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	74.1	174.2	147,100*b																			36
38	72.7	173.6	142,100*b																			38
40	71.4	172.9	137,200*b	73.2	173.6	143,700*b																40
45	68.0	171.0	125,900*b	69.9	171.9	131,800*b																45
50	64.5	168.7	116,100*	66.4	169.8	121,200*	69.3	171.0	123,700b													50
55	60.9	166.0	107,300*	62.9	167.3	111,500	65.8	168.9	109,100													55
60	57.1	162.9	99,500*	59.2	164.5	99,600	62.3	166.3	97,400	65.2	167.7	95,300										60
65	53.2	159.3	90,500*	55.4	161.1	89,800	58.6	163.4	87,900	61.6	165.1	85,900										65
70	49.1	155.2	81,900*	51.4	157.3	81,700	54.7	160.0	79,900	57.9	162.1	78,100	62.9	164.4	75,200							70
75	44.6	150.3	74,700*	47.1	152.9	74,800	50.7	156.1	73,200	54.0	158.6	71,500	59.3	161.5	68,800							75
80	39.8	144.7	68,500*	42.6	147.7	68,900	46.4	151.6	67,400	50.0	154.6	65,800	55.4	158.2	63,300							80
85	34.4	137.9	63,100*	37.5	141.6	63,700	41.7	146.2	62,300	45.6	149.9	60,900	51.4	154.4	58,600	56.7	157.0	56,300				85
90	28.2	129.4	58,500*	31.8	134.1	59,200	36.6	139.9	57,900	40.9	144.5	56,600	47.2	150.0	54,400	52.7	153.4	52,300				90
95	20.1	117.8	52,500*	24.9	124.5	55,200	30.7	132.2	54,000	35.6	137.9	52,800	42.6	144.8	50,700	48.6	149.2	48,700				95
100	2.7	91.0	37,300*	15.2	110.2	48,700*	23.6	122.1	50,400	29.6	129.9	49,300	37.6	138.7	47,400	44.1	144.3	45,600	49.7	147.6	43,700	100
105							12.9	106.1	47,200	22.1	119.2	46,200	31.9	131.3	44,500	39.2	138.5	42,700	45.4	142.8	41,000	105
110										9.9	100.7	43,400	25.0	121.7	41,800	33.8	131.5	40,200	40.6	137.3	38,500	110
115													15.4	107.5	39,300	27.4	122.8	37,800	35.4	130.7	36,300	115
120																19.0	110.6	35,600	29.3	122.6	34,200	120
125																			21.6	111.6	32,300	125
130																			8.7	92.1	30,500	130

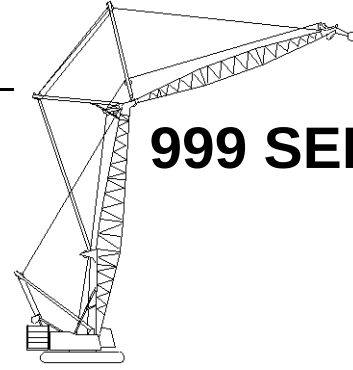


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 100 Ft. Jib

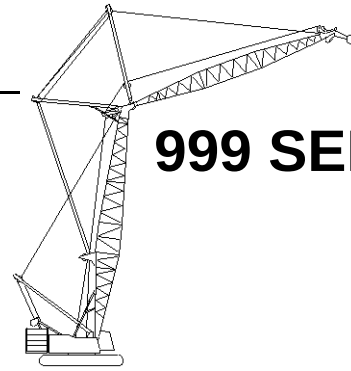
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.9	194.4	132,600*b																			38
40	74.9	193.9	128,600*b																			40
45	72.1	192.3	119,100*	73.7	193.0	124,300*b																45
50	69.4	190.5	110,300*	70.9	191.3	115,100*																50
55	66.5	188.4	102,600*	68.1	189.4	106,900*	70.5	190.5	108,600													55
60	63.7	186.0	95,600*	65.3	187.2	99,100	67.7	188.5	96,900													60
65	60.7	183.3	89,200*	62.4	184.6	89,400	64.8	186.3	87,400	67.2	187.4	85,400										65
70	57.6	180.3	81,800*	59.4	181.8	81,300	61.9	183.7	79,400	64.3	185.1	77,600										70
75	54.5	176.8	74,400*	56.3	178.6	74,400	58.8	180.7	72,700	61.3	182.4	71,000										75
80	51.2	172.9	68,200*	53.0	174.9	68,500	55.7	177.5	66,900	58.3	179.5	65,300	62.4	181.7	62,700							80
85	47.7	168.5	62,800*	49.7	170.8	63,300	52.5	173.7	61,900	55.2	176.1	60,400	59.4	178.9	58,000							85
90	44.0	163.6	58,100*	46.1	166.2	58,800	49.1	169.6	57,500	51.9	172.3	56,100	56.3	175.6	53,800							90
95	40.1	157.9	53,900*	42.3	160.9	54,900	45.5	164.8	53,600	48.5	168.0	52,300	53.1	172.0	50,200	57.3	174.4	48,100				95
100	35.8	151.3	50,300*	38.3	154.9	51,300	41.7	159.5	50,100	44.9	163.2	48,900	49.7	167.9	46,900	54.1	170.9	45,000				100
105	31.0	143.6	47,000*	33.8	147.8	48,200	37.5	153.3	47,000	41.0	157.7	45,900	46.2	163.3	44,000	50.8	167.0	42,100				105
110	25.4	134.0	44,000*	28.6	139.4	45,300	32.9	146.0	44,200	36.8	151.4	43,100	42.4	158.0	41,400	47.3	162.5	39,600	51.7	165.3	37,900	110
115	18.1	121.0	39,800*	22.4	128.6	42,700	27.7	137.2	41,700	32.1	143.9	40,700	38.3	152.0	39,000	43.6	157.5	37,300	48.3	161.0	35,700	115
120	2.4	91.3	28,700*	13.7	112.6	37,200*	21.2	125.9	39,300	26.7	134.7	38,400	33.8	145.0	36,800	39.6	151.7	35,200	44.7	156.1	33,600	120
125							11.6	108.1	37,100	19.9	122.7	36,300	28.7	136.5	34,800	35.3	145.1	33,300	40.8	150.6	31,800	125
130										8.8	102.2	34,300	22.5	125.7	32,900	30.4	137.1	31,500	36.5	144.2	30,100	130
135													13.8	109.9	31,200	24.6	127.2	29,900	31.8	136.6	28,500	135
140																17.1	113.6	28,300	26.3	127.4	27,100	140
145																			19.5	115.1	25,700	145
150																			7.8	93.4	24,300	150

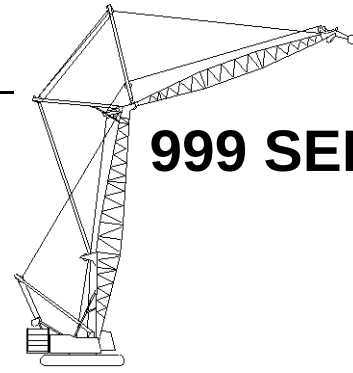


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 120 Ft. Jib

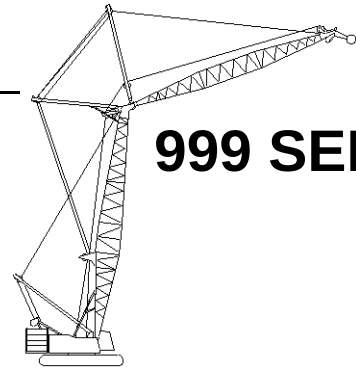
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.0	213.2	111,300*																			45
50	72.7	211.7	104,200*	74.0	212.4	108,200*																50
55	70.3	210.0	97,400*	71.6	210.8	101,200*																55
60	68.0	208.0	91,200*	69.3	208.9	94,700*																60
65	65.6	205.8	85,600*	66.9	206.9	88,700	68.9	208.1	86,600													65
70	63.1	203.4	80,300*	64.5	204.6	80,600	66.5	206.0	78,700													70
75	60.6	200.6	74,000*	62.0	202.0	73,700	64.1	203.6	71,900	66.1	204.9	70,200										75
80	58.0	197.6	67,700*	59.5	199.1	67,800	61.6	201.0	66,200	63.6	202.4	64,500										80
85	55.4	194.2	62,300*	56.8	195.9	62,700	59.0	198.1	61,100	61.1	199.8	59,600										85
90	52.6	190.5	57,500*	54.2	192.4	58,200	56.4	194.8	56,800	58.6	196.8	55,300	62.0	199.0	53,000							90
95	49.8	186.4	53,300*	51.4	188.5	54,200	53.7	191.3	52,900	55.9	193.5	51,600	59.5	196.2	49,300							95
100	46.8	181.9	49,600*	48.5	184.2	50,700	50.9	187.3	49,400	53.2	189.9	48,200	56.9	193.0	46,100							100
105	43.6	176.8	46,300*	45.4	179.5	47,600	48.0	183.0	46,400	50.4	185.9	45,200	54.2	189.5	43,200	57.7	191.8	41,200				105
110	40.3	171.2	43,300*	42.2	174.2	44,700	44.9	178.1	43,600	47.4	181.4	42,400	51.4	185.6	40,600	55.1	188.4	38,700				110
115	36.7	164.7	40,600*	38.8	168.2	42,100	41.6	172.7	41,100	44.3	176.5	40,000	48.5	181.3	38,200	52.3	184.6	36,400				115
120	32.8	157.4	38,200*	35.0	161.4	39,500*	38.2	166.6	38,800	41.0	170.9	37,700	45.4	176.6	36,000	49.4	180.5	34,400				120
125	28.4	148.7	35,900*	30.9	153.5	37,100*	34.4	159.6	36,600	37.5	164.7	35,700	42.2	171.3	34,100	46.4	175.9	32,500	50.2	178.8	30,900	125
130	23.2	138.1	33,900*	26.2	144.1	35,000*	30.2	151.5	34,700	33.7	157.6	33,800	38.8	165.3	32,200	43.3	170.7	30,700	47.3	174.3	29,200	130
135	16.6	123.9	30,600*	20.6	132.2	33,000*	25.4	141.8	32,900	29.4	149.2	32,000	35.1	158.5	30,600	39.9	165.0	29,100	44.2	169.4	27,700	135
140	2.1	91.5	22,100*	12.5	114.8	28,700*	19.4	129.3	31,200	24.4	139.1	30,400	31.0	150.7	29,000	36.3	158.5	27,600	40.9	163.8	26,300	140
145							10.6	109.9	28,900*	18.2	125.9	28,900	26.3	141.3	27,600	32.3	151.0	26,200	37.3	157.5	24,900	145
150										8.1	103.5	27,400	20.6	129.4	26,200	27.9	142.2	24,900	33.5	150.3	23,700	150
155													12.7	112.1	24,900	22.6	131.3	23,700	29.2	141.9	22,500	155
160																15.7	116.4	22,600	24.1	131.7	21,400	160
165																			17.8	118.3	20,400	165
170																			7.1	94.6	19,400	170

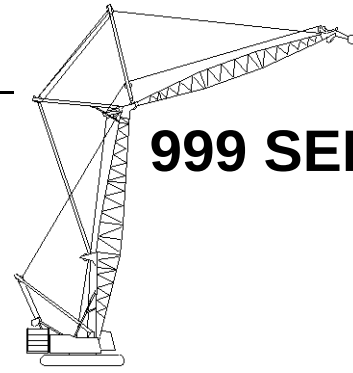


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 140 Ft. Jib

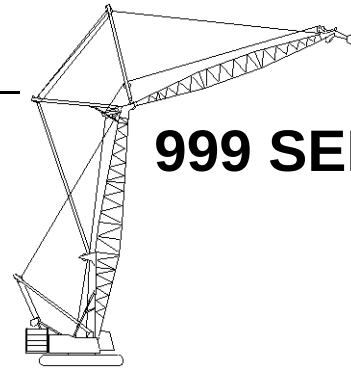
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	75.0	232.6	90,600*																			50
55	73.1	231.1	90,000*																			55
60	71.0	229.5	86,400*	72.2	230.2	89,600*																60
65	69.0	227.6	81,400*	70.1	228.4	84,400*																65
70	66.9	225.5	76,900*	68.1	226.5	79,600*	69.8	227.6	78,100													70
75	64.8	223.2	72,500*	66.0	224.3	73,100	67.7	225.6	71,300													75
80	62.7	220.7	67,100*	63.9	221.9	67,200	65.7	223.4	65,600	67.4	224.5	63,900										80
85	60.5	218.0	61,600*	61.7	219.3	62,100	63.5	221.0	60,600	65.3	222.3	59,000										85
90	58.3	214.9	56,900*	59.5	216.4	57,600	61.4	218.3	56,200	63.2	219.8	54,700										90
95	56.0	211.7	52,700*	57.3	213.3	53,700	59.2	215.4	52,300	61.0	217.1	50,900										95
100	53.6	208.1	48,900*	55.0	209.9	50,200	56.9	212.2	48,900	58.8	214.1	47,600	61.8	216.4	45,400							100
105	51.2	204.1	45,600*	52.6	206.1	47,000	54.6	208.8	45,800	56.5	210.9	44,600	59.6	213.5	42,500							105
110	48.7	199.9	42,600*	50.1	202.1	44,200	52.2	205.0	43,000	54.2	207.4	41,800	57.3	210.4	39,900							110
115	46.1	195.2	39,900*	47.6	197.6	41,400*	49.7	200.8	40,500	51.7	203.5	39,400	55.0	207.0	37,600	58.0	209.1	35,800				115
120	43.4	190.1	37,500*	44.9	192.8	38,800*	47.1	196.3	38,200	49.3	199.3	37,200	52.6	203.2	35,400	55.7	205.8	33,700				120
125	40.5	184.4	35,300*	42.1	187.4	36,500*	44.4	191.4	36,100	46.7	194.8	35,100	50.1	199.2	33,400	53.4	202.2	31,800				125
130	37.4	178.1	33,200*	39.1	181.5	34,300*	41.6	185.9	34,200	43.9	189.7	33,200	47.6	194.7	31,600	50.9	198.2	30,100				130
135	34.1	171.0	31,300*	36.0	174.8	32,300*	38.6	179.9	32,400	41.1	184.2	31,500	44.9	189.9	30,000	48.4	193.9	28,500	51.6	196.5	27,000	135
140	30.5	162.9	29,600*	32.5	167.4	30,500*	35.4	173.1	30,800	38.1	178.0	29,900	42.1	184.5	28,400	45.8	189.2	27,000	49.1	192.3	25,600	140
145	26.4	153.5	28,000*	28.7	158.7	28,900*	31.9	165.5	29,300	34.8	171.1	28,400	39.2	178.6	27,000	43.0	184.0	25,600	46.5	187.7	24,300	145
150	21.6	142.0	26,500*	24.4	148.5	27,300*	28.0	156.6	27,900	31.3	163.3	27,000	36.0	172.0	25,700	40.1	178.2	24,400	43.8	182.6	23,100	150
155	15.4	126.6	23,700*	19.1	135.6	25,900*	23.6	146.0	26,500	27.3	154.2	25,700	32.6	164.5	24,400	37.0	171.9	23,200	40.9	177.0	21,900	155
160	1.9	91.7	17,000*	11.6	116.8	22,400*	18.1	132.5	25,300	22.7	143.2	24,500	28.8	155.9	23,300	33.7	164.7	22,000	37.9	170.8	20,800	160
165							9.8	111.6	22,600*	16.9	128.9	23,400	24.4	145.7	22,200	30.0	156.5	21,000	34.6	163.9	19,800	165
170										7.5	104.8	22,200	19.2	132.8	21,100	25.9	146.9	20,000	31.1	156.0	18,900	170
175													11.7	114.1	20,100	21.0	135.0	19,100	27.1	146.8	18,000	175
180																14.5	119.0	18,200	22.4	135.7	17,100	180
185																			16.6	121.2	16,300	185
190																			6.6	95.7	15,500	190

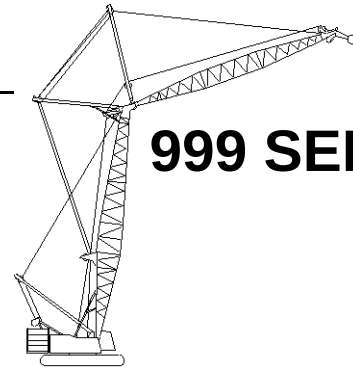


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



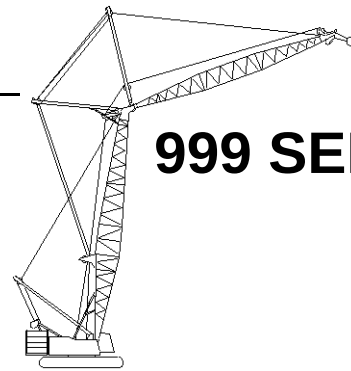
80 Ft. Boom, 160 Ft. Jib

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

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.1	252.0	71,500*																			55
60	73.3	250.5	70,900*																			60
65	71.6	248.9	70,300*	72.6	249.6	79,300*																65
70	69.8	247.1	69,800*	70.8	247.9	75,200*																70
75	68.0	245.1	68,900*	69.0	246.0	71,300*	70.5	247.1	70,500													75
80	66.1	243.0	65,500*	67.2	244.0	66,500	68.7	245.2	64,800													80
85	64.3	240.6	61,200*	65.3	241.7	61,400	66.9	243.1	59,800													85
90	62.4	238.1	56,400*	63.4	239.3	56,900	65.0	240.8	55,400	66.5	242.0	53,900										90
95	60.5	235.3	52,100*	61.5	236.6	53,000	63.1	238.3	51,500	64.7	239.7	50,100										95
100	58.5	232.3	48,300*	59.6	233.8	49,500	61.2	235.6	48,100	62.8	237.1	46,800										100
105	56.5	229.0	45,000*	57.6	230.6	46,300	59.3	232.7	45,000	60.9	234.4	43,800										105
110	54.4	225.5	42,000*	55.6	227.3	43,500	57.3	229.6	42,300	58.9	231.5	41,100	61.6	233.7	39,100							110
115	52.3	221.8	39,200*	53.5	223.7	40,700*	55.2	226.2	39,800	56.9	228.3	38,600	59.6	230.8	36,700							115
120	50.1	217.7	36,800*	51.4	219.8	38,100*	53.1	222.5	37,500	54.9	224.8	36,400	57.6	227.7	34,600							120
125	47.9	213.3	34,500*	49.1	215.5	35,700*	51.0	218.6	35,400	52.8	221.1	34,300	55.6	224.4	32,600							125
130	45.6	208.5	32,400*	46.9	211.0	33,600*	48.8	214.3	33,500	50.6	217.1	32,500	53.5	220.8	30,800	56.2	223.2	29,200				130
135	43.1	203.3	30,500*	44.5	206.0	31,600*	46.5	209.6	31,700	48.4	212.8	30,800	51.4	216.9	29,200	54.2	219.7	27,600				135
140	40.6	197.6	28,800*	42.0	200.6	29,700*	44.1	204.6	30,100	46.1	208.1	29,200	49.2	212.6	27,600	52.1	215.8	26,100				140
145	37.9	191.4	27,200*	39.4	194.7	28,100*	41.6	199.1	28,600	43.7	203.0	27,700	46.9	208.1	26,200	49.9	211.7	24,800	52.7	214.1	23,400	145
150	35.0	184.5	25,700*	36.6	188.2	26,500*	39.0	193.2	27,200	41.1	197.4	26,300	44.5	203.1	24,900	47.6	207.3	23,500	50.5	210.0	22,200	150
155	31.9	176.8	24,300*	33.7	181.0	25,000*	36.2	186.5	25,900	38.5	191.3	25,000	42.0	197.7	23,700	45.3	202.5	22,300	48.3	205.7	21,000	155
160	28.5	168.1	23,000*	30.5	172.9	23,700*	33.2	179.2	24,600	35.7	184.6	23,800	39.4	191.8	22,500	42.8	197.2	21,200	45.9	201.0	20,000	160
165	24.7	157.9	21,800*	26.9	163.6	22,400*	29.9	170.9	23,400*	32.6	177.1	22,700	36.7	185.3	21,400	40.3	191.5	20,200	43.5	195.8	19,000	165
170	20.2	145.6	20,600*	22.8	152.6	21,200*	26.3	161.4	22,200*	29.3	168.6	21,700	33.7	178.1	20,400	37.6	185.2	19,200	41.0	190.3	18,100	170
175	14.4	129.1	18,200*	17.9	138.8	20,100*	22.1	150.0	21,000*	25.6	158.8	20,700	30.5	170.0	19,500	34.7	178.2	18,300	38.3	184.1	17,200	175
180	1.8	92.0	12,700*	10.9	118.7	17,200*	16.9	135.5	19,900*	21.3	147.0	19,700	27.0	160.7	18,600	31.6	170.4	17,400	35.5	177.4	16,300	180
185							9.2	113.2	17,400*	15.8	131.7	18,800	22.9	149.8	17,700	28.1	161.6	16,600	32.4	169.8	15,600	185
190										7.0	106.0	17,500*	18.0	136.0	16,900	24.3	151.2	15,800	29.1	161.3	14,800	190
195													11.0	116.0	16,100	19.7	138.5	15,100	25.4	151.4	14,100	195
200																13.6	121.3	14,400	21.0	139.5	13,400	200
205																			15.5	123.9	12,800	205
210																			6.2	96.7	12,100	210

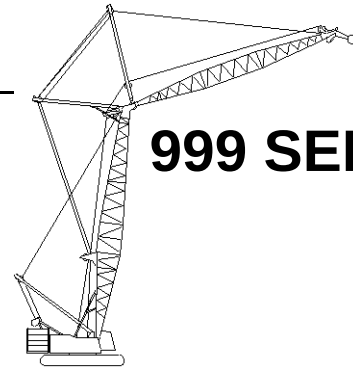


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 180 Ft. Jib

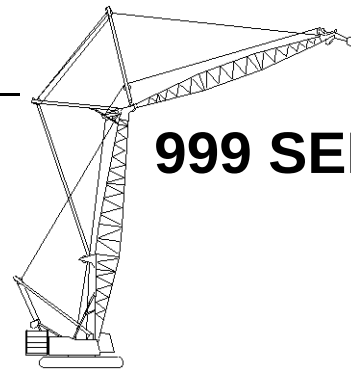
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	64,300													80
85	65.8	251.7	60,500*	66.8	252.7	61,000	68.2	253.9	59,300													85
90	64.0	249.3	55,900*	65.0	250.4	56,500	66.5	251.8	55,000	67.9	252.8	53,400										90
95	62.2	246.7	51,600*	63.2	248.0	52,600	64.7	249.5	51,100	66.2	250.7	49,700										95
100	60.4	243.9	47,900*	61.4	245.3	49,100	62.9	247.0	47,700	64.4	248.3	46,300										100
105	58.6	240.9	44,500*	59.6	242.4	45,900	61.1	244.3	44,600	62.6	245.8	43,300										105
110	56.7	237.7	41,500*	57.7	239.3	43,100	59.3	241.4	41,800	60.8	243.1	40,600										110
115	54.7	234.3	38,700*	55.8	236.0	40,200*	57.4	238.3	39,300	59.0	240.1	38,200	61.5	242.4	36,200							115
120	52.8	230.5	36,300*	53.9	232.4	37,600*	55.5	234.9	37,100	57.1	237.0	35,900	59.6	239.5	34,100							120
125	50.7	226.5	34,000*	51.9	228.6	35,200*	53.5	231.3	35,000	55.2	233.5	33,900	57.8	236.4	32,100							125
130	48.6	222.2	31,900*	49.8	224.4	33,100*	51.5	227.4	33,100	53.2	229.9	32,000	55.8	233.1	30,300							130
135	46.4	217.6	30,000*	47.7	220.0	31,100*	49.4	223.2	31,300	51.2	225.9	30,300	53.9	229.5	28,700	56.5	231.9	27,100				135
140	44.2	212.6	28,300*	45.5	215.2	29,200*	47.3	218.7	29,700	49.1	221.7	28,700	51.9	225.7	27,200	54.5	228.4	25,600				140
145	41.8	207.1	26,700*	43.2	210.0	27,600*	45.1	213.8	28,200	46.9	217.1	27,300	49.8	221.5	25,800	52.5	224.6	24,300				145
150	39.4	201.2	25,200*	40.8	204.4	26,000*	42.8	208.6	26,800	44.7	212.2	25,900	47.7	217.1	24,400	50.5	220.6	23,000				150
155	36.8	194.7	23,800*	38.2	198.2	24,500*	40.3	202.8	25,500	42.4	206.9	24,600	45.5	212.3	23,200	48.4	216.3	21,800	51.1	218.9	20,500	155
160	34.0	187.6	22,500*	35.6	191.4	23,200*	37.8	196.6	24,200	39.9	201.0	23,400	43.2	207.1	22,100	46.2	211.6	20,800	49.0	214.6	19,500	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	21,000	43.9	206.5	19,700	46.8	210.0	18,500	165
170	27.7	170.6	20,100*	29.6	175.5	20,700*	32.2	182.1	21,700*	34.6	187.7	21,300	38.3	195.3	20,000	41.6	201.0	18,800	44.6	205.1	17,600	170
175	24.0	160.1	19,000*	26.1	165.9	19,600*	29.0	173.5	20,500*	31.7	179.9	20,300	35.6	188.6	19,000	39.1	195.1	17,800	42.2	199.7	16,700	175
180	19.6	147.3	18,000*	22.2	154.5	18,600*	25.5	163.6	19,400*	28.4	171.1	19,300	32.7	181.1	18,100	36.5	188.5	17,000	39.8	193.9	15,900	180
185	14.0	130.3	15,800*	17.4	140.3	17,600*	21.4	151.9	18,400*	24.8	161.0	18,400	29.6	172.7	17,300	33.7	181.3	16,200	37.2	187.5	15,100	185
190	1.7	92.1	10,700*	10.6	119.6	14,800*	16.4	136.9	17,400*	20.6	148.8	17,600	26.2	163.1	16,500	30.6	173.2	15,400	34.5	180.5	14,300	190
195							8.9	114.0	15,100*	15.4	133.1	16,800	22.2	151.7	15,700	27.3	164.0	14,700	31.5	172.7	13,700	195
200										6.8	106.5	15,200*	17.4	137.5	15,000	23.6	153.3	14,000	28.3	163.8	13,000	200
205													10.7	116.9	14,300	19.1	140.2	13,300	24.6	153.6	12,300	205
210																13.2	122.5	12,600	20.4	141.3	11,700	210
215																			15.1	125.2	11,100	215
220																			6.0	97.2	10,500	220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	271.3	57,200*																			60
65	73.6	269.9	56,600*																			65
70	72.0	268.3	56,100*	72.9	269.0	63,900*																70
75	70.4	266.6	55,500*	71.3	267.3	63,300*																75
80	68.8	264.7	55,000*	69.7	265.5	62,800*	71.0	266.5	60,800*													80
85	67.2	262.6	54,400*	68.1	263.6	60,800	69.4	264.7	59,100													85
90	65.5	260.4	53,900*	66.4	261.4	56,300	67.8	262.7	54,800													90
95	63.8	258.0	51,400*	64.8	259.1	52,400	66.1	260.5	50,900	67.5	261.6	49,400										95
100	62.1	255.4	47,600*	63.1	256.6	48,800	64.5	258.2	47,500	65.9	259.4	46,100										100
105	60.4	252.6	44,200*	61.4	253.9	45,700	62.8	255.7	44,400	64.2	257.0	43,100										105
110	58.6	249.6	41,200*	59.6	251.1	42,900	61.1	253.0	41,600	62.5	254.5	40,400										110
115	56.9	246.4	38,500*	57.9	248.0	40,000*	59.3	250.1	39,100	60.8	251.7	37,900										115
120	55.0	243.0	36,000*	56.1	244.7	37,400*	57.6	246.9	36,800	59.0	248.8	35,700	61.4	251.0	33,900							120
125	53.2	239.3	33,700*	54.2	241.2	35,000*	55.7	243.6	34,800	57.2	245.6	33,700	59.6	248.2	31,900							125
130	51.2	235.4	31,700*	52.3	237.4	32,800*	53.9	240.0	32,800	55.4	242.3	31,800	57.9	245.1	30,100							130
135	49.3	231.2	29,800*	50.4	233.3	30,800*	52.0	236.2	31,100	53.6	238.6	30,100	56.1	241.8	28,500							135
140	47.2	226.6	28,000*	48.4	229.0	29,000*	50.0	232.1	29,500	51.7	234.8	28,500	54.2	238.2	27,000	56.7	240.6	25,400				140
145	45.1	221.8	26,400*	46.3	224.3	27,300*	48.0	227.7	28,000	49.7	230.6	27,000	52.3	234.5	25,500	54.8	237.1	24,100				145
150	42.9	216.5	24,900*	44.2	219.3	25,700*	46.0	223.0	26,600	47.7	226.1	25,700	50.4	230.4	24,200	52.9	233.4	22,800				150
155	40.7	210.9	23,500*	41.9	213.8	24,300*	43.8	217.9	25,300	45.6	221.4	24,400	48.4	226.1	23,000	51.0	229.4	21,600				155
160	38.3	204.7	22,200*	39.6	208.0	22,900*	41.6	212.4	24,000	43.4	216.2	23,200	46.3	221.4	21,900	49.0	225.2	20,500	51.6	227.7	19,200	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	20,800	47.0	220.6	19,500	49.6	223.5	18,300	165
170	33.1	190.6	19,800*	34.6	194.6	20,500*	36.7	199.9	21,400*	38.8	204.6	21,100	42.0	211.0	19,800	44.9	215.7	18,600	47.6	219.1	17,300	170
175	30.1	182.3	18,800*	31.8	186.8	19,400*	34.1	192.8	20,300*	36.3	198.0	20,100	39.6	205.1	18,800	42.7	210.4	17,600	45.5	214.3	16,500	175
180	26.9	173.0	17,800*	28.8	178.1	18,300*	31.3	184.9	19,200*	33.6	190.7	19,100	37.2	198.7	18,000	40.4	204.7	16,800	43.3	209.1	15,700	180
185	23.3	162.1	16,800*	25.4	168.2	17,300*	28.2	176.0	18,100*	30.8	182.7	18,300	34.6	191.7	17,100	38.0	198.5	16,000	41.0	203.5	14,900	185
190	19.1	149.0	15,900*	21.6	156.4	16,400*	24.8	165.8	17,100*	27.7	173.6	17,400	31.8	183.9	16,300	35.5	191.7	15,200	38.7	197.4	14,200	190
195	13.6	131.5	13,800*	16.9	141.8	15,500*	20.9	153.7	16,200*	24.2	163.1	16,600	28.8	175.2	15,600	32.7	184.2	14,500	36.2	190.8	13,500	195
200	1.6	92.2	9,200*	10.3	120.5	13,000*	16.0	138.3	15,300*	20.1	150.6	15,900	25.4	165.3	14,800	29.8	175.9	13,800	33.5	183.5	12,800	200
205							8.7	114.7	13,200*	15.0	134.4	15,100	21.6	153.6	14,100	26.6	166.4	13,100	30.6	175.4	12,200	205
210										6.6	107.1	13,400*	17.0	139.0	13,500	22.9	155.3	12,500	27.5	166.2	11,600	210
215													10.4	117.8	12,800	18.6	141.8	11,900	24.0	155.7	11,000	215
220																12.9	123.6	11,300	19.8	143.0	10,400	220
225																			14.6	126.5	9,900	225
230																			5.8	97.7	9,300	230

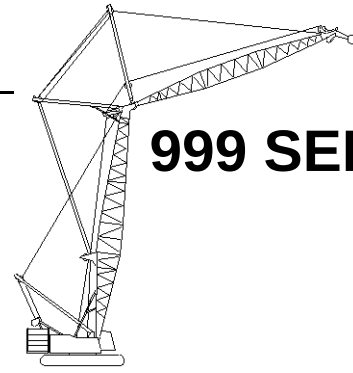


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



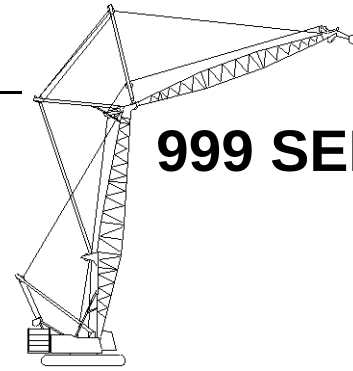
80 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	52,000	67.4	271.4	50,500													95
100	63.6	266.7	46,800*	64.5	267.8	48,500	65.8	269.2	47,000	67.1	270.3	45,600										100
105	62.0	264.0	43,700*	62.9	265.3	45,300	64.3	266.9	44,000	65.6	268.1	42,600										105
110	60.4	261.3	40,700*	61.3	262.6	42,400*	62.7	264.3	41,200	64.0	265.7	39,900										110
115	58.7	258.3	38,000*	59.6	259.7	39,500*	61.0	261.6	38,700	62.4	263.1	37,500										115
120	57.0	255.1	35,500*	58.0	256.7	36,900*	59.4	258.7	36,400	60.7	260.4	35,300	62.9	262.4	33,400							120
125	55.3	251.7	33,200*	56.3	253.4	34,500*	57.7	255.6	34,300	59.1	257.5	33,200	61.3	259.7	31,400							125
130	53.5	248.1	31,200*	54.5	249.9	32,300*	56.0	252.3	32,400	57.4	254.3	31,400	59.7	256.8	29,600							130
135	51.7	244.2	29,300*	52.7	246.2	30,300*	54.2	248.8	30,700	55.7	251.0	29,700	58.0	253.7	28,000							135
140	49.8	240.1	27,500*	50.9	242.2	28,500*	52.4	245.0	29,100	53.9	247.4	28,100	56.3	250.5	26,500							140
145	47.9	235.6	25,900*	49.0	237.9	26,800*	50.6	240.9	27,600	52.1	243.6	26,600	54.5	247.0	25,100	56.8	249.2	23,600				145
150	46.0	230.9	24,400*	47.1	233.4	25,200*	48.7	236.6	26,200	50.2	239.5	25,300	52.7	243.2	23,800	55.1	245.8	22,300				150
155	43.9	225.8	23,000*	45.1	228.5	23,800*	46.7	232.0	24,900	48.3	235.1	24,000	50.9	239.3	22,600	53.3	242.2	21,100				155
160	41.8	220.4	21,700*	43.0	223.2	22,400*	44.7	227.1	23,500*	46.4	230.5	22,800	49.0	235.0	21,400	51.5	238.3	20,100				160
165	39.6	214.5	20,500*	40.8	217.6	21,100*	42.6	221.8	22,200*	44.4	225.5	21,700	47.1	230.4	20,300	49.6	234.1	19,000	52.0	236.5	17,800	165
170	37.3	208.1	19,300*	38.6	211.5	20,000*	40.5	216.1	20,900*	42.3	220.1	20,600	45.1	225.6	19,300	47.7	229.6	18,100	50.1	232.4	16,800	170
175	34.8	201.1	18,300*	36.2	204.9	18,800*	38.2	209.9	19,800*	40.1	214.3	19,700	43.0	220.3	18,400	45.7	224.9	17,200	48.2	228.0	16,000	175
180	32.2	193.5	17,300*	33.7	197.6	17,800*	35.8	203.2	18,700*	37.8	208.0	18,700	40.9	214.7	17,500	43.7	219.8	16,300	46.3	223.4	15,200	180
185	29.4	184.9	16,300*	31.0	189.6	16,800*	33.2	195.8	17,600*	35.3	201.2	17,900	38.6	208.6	16,700	41.6	214.3	15,500	44.3	218.3	14,400	185
190	26.2	175.3	15,400*	28.0	180.6	15,900*	30.5	187.6	16,600*	32.8	193.7	17,000	36.2	202.0	15,900	39.3	208.3	14,800	42.1	213.0	13,700	190
195	22.7	164.1	14,600*	24.7	170.3	15,000*	27.5	178.4	15,700*	30.0	185.4	16,200	33.7	194.7	15,100	37.0	201.9	14,000	39.9	207.1	13,000	195
200	18.6	150.6	13,800*	21.0	158.3	14,200*	24.2	167.9	14,800*	26.9	176.0	15,500	31.0	186.7	14,400	34.5	194.8	13,400	37.6	200.8	12,300	200
205	13.3	132.7	11,700*	16.5	143.2	13,400*	20.3	155.5	14,000*	23.5	165.2	14,700*	28.0	177.7	13,700	31.9	187.1	12,700	35.2	194.0	11,700	205
210	1.6	92.3	7,500*	10.0	121.3	11,000*	15.6	139.7	13,200*	19.6	152.3	13,900*	24.8	167.5	13,100	29.0	178.4	12,100	32.6	186.4	11,100	210
215							8.5	115.4	11,300*	14.6	135.6	13,100*	21.0	155.5	12,500	25.9	168.7	11,500	29.8	178.1	10,500	215
220										6.4	107.6	11,400*	16.5	140.4	11,800	22.3	157.3	10,900	26.8	168.6	10,000	220
225													10.1	118.7	11,200	18.1	143.4	10,400	23.3	157.7	9,500	225
230																12.5	124.7	9,800	19.3	144.7	9,000	230
235																			14.3	127.7	8,500	235
240																			5.7	98.2	8,000	240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.2	290.7	45,700*																			65
70	73.8	289.3	45,100*																			70
75	72.3	287.7	44,600*	73.1	288.4	50,800*																75
80	70.9	286.0	44,000*	71.7	286.8	50,300*																80
85	69.4	284.2	43,500*	70.3	285.0	49,700*																85
90	68.0	282.2	43,000*	68.8	283.1	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	46,700													100
105	63.5	275.3	41,600*	64.3	276.5	45,000	65.6	278.0	43,600	66.8	279.1	42,300										105
110	61.9	272.7	40,700*	62.8	274.0	42,100	64.1	275.6	40,800	65.3	276.8	39,600										110
115	60.4	269.9	37,900*	61.2	271.3	39,500*	62.5	273.0	38,300	63.8	274.4	37,100										115
120	58.8	266.9	35,400*	59.7	268.4	36,800*	61.0	270.3	36,100	62.3	271.8	34,900										120
125	57.2	263.8	33,100*	58.1	265.3	34,400*	59.4	267.4	34,000	60.7	269.1	32,900	62.8	271.0	31,000							125
130	55.5	260.4	31,000*	56.4	262.1	32,200*	57.8	264.3	32,100	59.1	266.1	31,000	61.3	268.3	29,300							130
135	53.8	256.8	29,100*	54.8	258.6	30,100*	56.2	261.0	30,300	57.5	263.0	29,300	59.7	265.5	27,600							135
140	52.1	253.0	27,300*	53.1	254.9	28,300*	54.5	257.5	28,700	55.9	259.7	27,700	58.1	262.4	26,100							140
145	50.4	248.9	25,600*	51.3	251.0	26,600*	52.8	253.8	27,200	54.2	256.1	26,300	56.5	259.2	24,700							145
150	48.6	244.6	24,100*	49.6	246.8	25,000*	51.1	249.8	25,800	52.5	252.3	24,900	54.8	255.7	23,400	57.0	257.9	21,900				150
155	46.7	240.0	22,700*	47.7	242.4	23,500*	49.3	245.6	24,500	50.7	248.3	23,600	53.1	252.0	22,200	55.3	254.5	20,800				155
160	44.8	235.0	21,400*	45.9	237.6	22,100*	47.4	241.1	23,300	48.9	244.1	22,400	51.4	248.1	21,000	53.6	250.9	19,700				160
165	42.8	229.8	20,200*	43.9	232.5	20,800*	45.5	236.3	21,900*	47.1	239.5	21,300	49.6	243.9	20,000	51.9	247.1	18,700				165
170	40.7	224.1	19,000*	41.9	227.1	19,600*	43.6	231.1	20,600*	45.2	234.6	20,300	47.8	239.5	19,000	50.2	243.0	17,700	52.4	245.3	16,400	170
175	38.6	218.0	17,900*	39.8	221.2	18,500*	41.5	225.6	19,400*	43.2	229.4	19,300	45.9	234.7	18,000	48.4	238.6	16,800	50.6	241.3	15,600	175
180	36.3	211.4	16,900*	37.6	214.9	17,500*	39.4	219.7	18,300*	41.2	223.9	18,400	43.9	229.6	17,200	46.5	234.0	16,000	48.9	237.0	14,800	180
185	33.9	204.2	15,900*	35.3	208.0	16,500*	37.2	213.3	17,300*	39.1	217.9	17,500	41.9	224.2	16,300	44.6	229.0	15,200	47.0	232.4	14,000	185
190	31.4	196.3	15,000*	32.8	200.5	15,500*	34.9	206.3	16,300*	36.8	211.4	16,700	39.8	218.3	15,500	42.6	223.7	14,400	45.1	227.5	13,300	190
195	28.6	187.5	14,200*	30.2	192.3	14,600*	32.4	198.7	15,400*	34.5	204.3	15,900	37.6	212.0	14,800	40.5	218.0	13,700	43.1	222.3	12,600	195
200	25.6	177.6	13,400*	27.3	183.0	13,800*	29.7	190.3	14,500*	31.9	196.5	15,200	35.3	205.2	14,100	38.3	211.8	13,000	41.1	216.7	11,900	200
205	22.2	166.1	12,600*	24.1	172.5	13,000*	26.8	180.8	13,700*	29.2	188.0	14,300*	32.8	197.7	13,400	36.1	205.1	12,300	38.9	210.7	11,300	205
210	18.1	152.2	11,900*	20.5	160.1	12,300*	23.6	170.0	12,900*	26.3	178.3	13,500*	30.2	189.4	12,700	33.7	197.9	11,700	36.7	204.2	10,700	210
215	12.9	133.8	9,900*	16.0	144.6	11,500*	19.8	157.2	12,100*	22.9	167.2	12,700*	27.3	180.2	12,100	31.1	189.9	11,100	34.3	197.1	10,200	215
220	1.5	92.4	6,000*	9.8	122.2	9,300*	15.2	141.0	11,400*	19.1	154.0	12,000*	24.2	169.6	11,500	28.3	181.0	10,600	31.8	189.3	9,600	220
225							8.2	116.1	9,600*	14.2	136.8	11,200*	20.5	157.3	11,000	25.2	170.9	10,000	29.1	180.7	9,100	225
230										6.3	108.1	9,700*	16.1	141.8	10,400	21.8	159.2	9,500	26.1	170.9	8,600	230
235													9.9	119.5	9,900			9,000	22.8	159.7	8,100	235
240																12.2	125.7	8,500	18.9	146.3	7,700	240
245																			13.9	128.9	7,200	245
250																			5.5	98.6	6,800	250

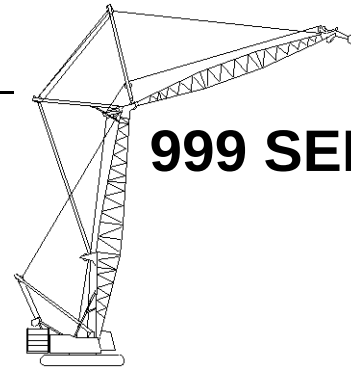


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



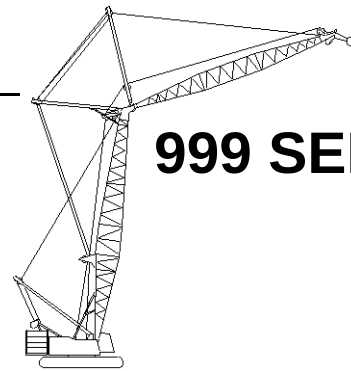
80 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	41,800										105
110	63.3	284.0	36,900*	64.1	285.2	41,700	65.3	286.7	40,400	66.5	287.8	39,100										110
115	61.8	281.4	36,500*	62.7	282.6	39,000*	63.9	284.2	37,900	65.1	285.5	36,700										115
120	60.3	278.6	34,900*	61.2	279.9	36,300*	62.4	281.7	35,600	63.6	283.1	34,500										120
125	58.8	275.6	32,600*	59.7	277.1	33,900*	60.9	278.9	33,600	62.2	280.5	32,400										125
130	57.3	272.4	30,500*	58.2	274.0	31,700*	59.4	276.0	31,700	60.7	277.7	30,600	62.7	279.7	28,800							130
135	55.7	269.1	28,600*	56.6	270.8	29,600*	57.9	273.0	29,900	59.2	274.8	28,900	61.2	277.0	27,100							135
140	54.1	265.5	26,800*	55.0	267.3	27,800*	56.3	269.7	28,300	57.6	271.7	27,300	59.7	274.1	25,600							140
145	52.5	261.8	25,100*	53.4	263.7	26,000*	54.8	266.2	26,800	56.1	268.3	25,800	58.2	271.1	24,200							145
150	50.8	257.8	23,600*	51.8	259.8	24,500*	53.1	262.5	25,400	54.5	264.8	24,500	56.6	267.8	22,900							150
155	49.1	253.5	22,200*	50.1	255.7	23,000*	51.5	258.6	24,100	52.8	261.1	23,200	55.0	264.4	21,700	57.1	266.6	20,300				155
160	47.4	249.0	20,900*	48.3	251.3	21,600*	49.8	254.5	22,700*	51.2	257.2	22,000	53.4	260.8	20,600	55.5	263.2	19,200				160
165	45.6	244.2	19,600*	46.6	246.7	20,300*	48.1	250.0	21,400*	49.5	253.0	20,900	51.8	256.9	19,500	53.9	259.7	18,200				165
170	43.7	239.1	18,500*	44.7	241.7	19,100*	46.3	245.4	20,100*	47.7	248.5	19,900	50.1	252.8	18,500	52.3	255.9	17,200				170
175	41.8	233.6	17,400*	42.8	236.5	18,000*	44.4	240.4	18,900*	45.9	243.8	18,900	48.4	248.4	17,600	50.6	251.8	16,300	52.8	254.1	15,100	175
180	39.8	227.7	16,400*	40.9	230.8	16,900*	42.5	235.0	17,800*	44.1	238.7	18,000	46.6	243.8	16,700	48.9	247.6	15,500	51.1	250.1	14,300	180
185	37.7	221.4	15,400*	38.8	224.8	16,000*	40.5	229.3	16,800*	42.2	233.3	17,100	44.8	238.8	15,900	47.2	243.0	14,700	49.4	245.9	13,500	185
190	35.5	214.6	14,500*	36.7	218.2	15,000*	38.5	223.2	15,800*	40.2	227.5	16,300	42.9	233.6	15,100	45.4	238.2	13,900	47.7	241.4	12,800	190
195	33.1	207.2	13,700*	34.4	211.1	14,100*	36.3	216.6	14,900*	38.1	221.3	15,500	40.9	227.9	14,300	43.5	233.0	13,200	45.9	236.7	12,100	195
200	30.6	199.0	12,900*	32.0	203.4	13,300*	34.0	209.4	14,000*	35.9	214.6	14,700*	38.9	221.9	13,600	41.5	227.5	12,500	44.0	231.6	11,500	200
205	27.9	190.0	12,100*	29.5	194.9	12,500*	31.6	201.5	13,100*	33.6	207.3	13,800*	36.7	215.3	13,000	39.5	221.6	11,900	42.1	226.2	10,800	205
210	25.0	179.8	11,400*	26.7	185.4	11,700*	29.0	192.9	12,400*	31.2	199.3	13,000*	34.5	208.3	12,300	37.4	215.2	11,300	40.1	220.4	10,300	210
215	21.6	168.0	10,700*	23.6	174.6	11,000*	26.2	183.2	11,600*	28.5	190.5	12,200*	32.1	200.5	11,700	35.2	208.3	10,700	38.0	214.1	9,700	215
220	17.7	153.7	10,000*	20.0	161.8	10,300*	23.0	172.1	10,900*	25.6	180.6	11,500*	29.5	192.0	11,100	32.8	200.8	10,100	35.8	207.4	9,200	220
225	12.6	134.9	8,100*	15.7	146.0	9,700*	19.3	158.9	10,200*	22.4	169.2	10,700*	26.7	182.5	10,600	30.3	192.6	9,600	33.5	200.1	8,700	225
230	1.5	92.4	4,500*	9.5	123.0	7,500*	14.8	142.3	9,600*	18.6	155.6	10,100*	23.6	171.7	10,000	27.6	183.4	9,100	31.0	192.1	8,200	230
235				8.0	116.8	7,800*				13.9	138.0	9,400*	20.0	159.0	9,500	24.6	173.1	8,600	28.4	183.2	7,700	235
240										6.1	108.6	8,000*	15.7	143.2	9,000	21.2	161.1	8,100	25.5	173.2	7,200	240
245													9.6	120.3	8,500	17.2	146.4	7,600	22.2	161.7	6,800	245
250																11.9	126.7	7,200	18.4	148.0	6,400	250
255																			13.6	130.1	6,000	255
260																			5.4	99.1	5,500	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	38,800										110
115	63.2	292.7	34,600*	63.9	293.9	38,500*	65.1	295.4	37,600	66.2	296.5	36,400										115
120	61.8	290.0	34,200*	62.5	291.3	35,900*	63.7	292.9	35,300	64.9	294.2	34,100										120
125	60.3	287.2	32,200*	61.1	288.6	33,500*	62.3	290.3	33,200	63.5	291.7	32,100										125
130	58.9	284.3	30,100*	59.7	285.7	31,200*	60.9	287.6	31,300	62.1	289.1	30,300										130
135	57.4	281.1	28,200*	58.2	282.7	29,200*	59.5	284.7	29,600	60.6	286.4	28,500	62.6	288.4	26,800							135
140	55.9	277.8	26,400*	56.8	279.4	27,400*	58.0	281.6	28,000	59.2	283.4	27,000	61.1	285.7	25,300							140
145	54.4	274.3	24,700*	55.2	276.0	25,600*	56.5	278.4	26,500	57.7	280.3	25,500	59.7	282.8	23,900							145
150	52.8	270.5	23,200*	53.7	272.4	24,100*	55.0	274.9	25,100	56.2	277.0	24,200	58.3	279.7	22,600							150
155	51.3	266.6	21,800*	52.1	268.6	22,600*	53.4	271.3	23,800	54.7	273.6	22,900	56.8	276.5	21,400							155
160	49.6	262.4	20,500*	50.5	264.6	21,200*	51.9	267.4	22,300*	53.2	269.9	21,700	55.3	273.1	20,300	57.2	275.3	18,900				160
165	48.0	258.0	19,300*	48.9	260.3	19,900*	50.3	263.3	21,000*	51.6	266.0	20,600	53.7	269.5	19,200	55.7	271.9	17,900				165
170	46.3	253.3	18,100*	47.2	255.7	18,700*	48.6	259.0	19,700*	50.0	261.9	19,600	52.2	265.7	18,200	54.2	268.4	16,900				170
175	44.5	248.3	17,000*	45.5	250.9	17,600*	46.9	254.4	18,500*	48.3	257.5	18,600	50.6	261.6	17,300	52.7	264.6	16,000				175
180	42.7	243.0	16,000*	43.7	245.8	16,600*	45.2	249.5	17,400*	46.6	252.8	17,700	48.9	257.4	16,400	51.1	260.7	15,200				180
185	40.8	237.3	15,000*	41.9	240.3	15,600*	43.4	244.4	16,400*	44.9	247.9	16,800	47.2	252.8	15,600	49.4	256.5	14,400	51.5	258.9	13,200	185
190	38.8	231.3	14,100*	39.9	234.5	14,600*	41.5	238.8	15,400*	43.1	242.7	16,000	45.5	248.0	14,800	47.8	252.0	13,600	49.9	254.8	12,500	190
195	36.8	224.7	13,300*	37.9	228.2	13,700*	39.6	232.9	14,500*	41.2	237.1	15,200	43.7	242.9	14,000	46.1	247.3	12,900	48.2	250.4	11,800	195
200	34.6	217.7	12,500*	35.9	221.5	12,900*	37.6	226.6	13,600*	39.3	231.1	14,300*	41.9	237.4	13,300	44.3	242.3	12,200	46.5	245.8	11,200	200
205	32.4	210.1	11,700*	33.7	214.2	12,100*	35.5	219.8	12,800*	37.2	224.7	13,400*	40.0	231.6	12,700	42.5	236.9	11,600	44.8	240.8	10,500	205
210	29.9	201.7	11,000*	31.3	206.2	11,400*	33.3	212.4	12,000*	35.1	217.8	12,600*	38.0	225.3	12,000	40.6	231.2	11,000	43.0	235.6	10,000	210
215	27.3	192.4	10,300*	28.8	197.5	10,700*	30.9	204.3	11,200*	32.9	210.3	11,800*	35.9	218.6	11,400	38.6	225.1	10,400	41.1	229.9	9,400	215
220	24.4	181.9	9,600*	26.1	187.7	10,000*	28.4	195.4	10,500*	30.5	202.1	11,100*	33.7	211.3	10,800	36.6	218.5	9,800	39.2	224.0	8,900	220
225	21.2	169.8	9,000*	23.0	176.6	9,300*	25.6	185.4	9,800*	27.9	193.0	10,400*	31.3	203.4	10,300	34.4	211.4	9,300	37.1	217.5	8,400	225
230	17.3	155.3	8,400*	19.5	163.5	8,700*	22.5	174.0	9,200*	25.1	182.8	9,700*	28.8	194.6	9,800	32.1	203.7	8,800	35.0	210.6	7,900	230
235	12.3	135.9	6,600*	15.3	147.3	8,100*	18.9	160.6	8,600*	21.9	171.1	9,100*	26.1	184.9	9,200	29.6	195.2	8,300	32.7	203.0	7,400	235
240				9.3	123.8	6,000*	14.5	143.5	8,000*	18.2	157.2	8,500*	23.1	173.8	8,700	27.0	185.8	7,900	30.3	194.8	7,000	240
245							7.9	117.4	6,300*	13.6	139.2	7,900*	19.6	160.7	8,300	24.1	175.2	7,400	27.7	185.6	6,500	245
250										6.0	109.1	6,500*	15.4	144.5	7,800	20.8	162.9	7,000	24.9	175.4	6,100	250
255													9.4	121.1	7,300	16.8	147.9	6,500	21.7	163.6	5,700	255
260																11.6	127.7	6,100	18.0	149.5	5,300	260
265																			13.3	131.3	4,900	265
270																			5.3	99.5	4,500	270

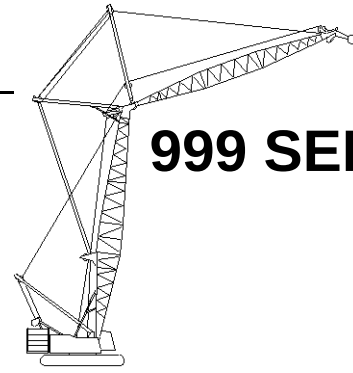


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



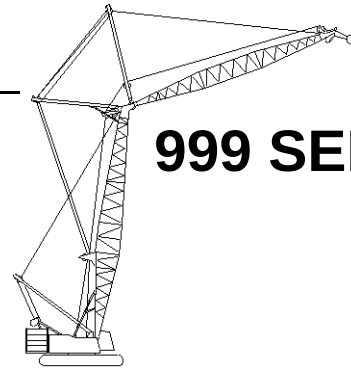
80 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	35,900										115
120	63.0	301.4	30,900*	63.8	302.5	35,400*	64.9	304.1	34,900	66.0	305.2	33,700										120
125	61.7	298.7	30,500*	62.4	300.0	33,000*	63.6	301.6	32,800	64.7	302.9	31,700										125
130	60.3	295.9	29,600*	61.1	297.3	30,700*	62.2	299.0	30,900	63.3	300.4	29,800										130
135	58.9	292.9	27,700*	59.7	294.4	28,700*	60.9	296.3	29,200	62.0	297.8	28,100										135
140	57.5	289.8	25,900*	58.3	291.3	26,900*	59.5	293.4	27,600	60.6	295.0	26,500	62.5	297.0	24,900							140
145	56.1	286.5	24,200*	56.9	288.1	25,100*	58.1	290.3	26,100	59.2	292.1	25,100	61.1	294.3	23,500							145
150	54.6	283.0	22,700*	55.4	284.7	23,600*	56.7	287.1	24,700	57.8	289.0	23,700	59.7	291.5	22,200							150
155	53.2	279.3	21,300*	54.0	281.2	22,100*	55.2	283.6	23,300*	56.4	285.7	22,500	58.3	288.4	20,900							155
160	51.6	275.4	20,000*	52.5	277.4	20,700*	53.7	280.0	21,800*	54.9	282.3	21,300	56.9	285.2	19,800							160
165	50.1	271.3	18,700*	51.0	273.4	19,400*	52.2	276.2	20,500*	53.5	278.6	20,200	55.5	281.8	18,800	57.4	284.0	17,400				165
170	48.5	267.0	17,600*	49.4	269.2	18,200*	50.7	272.2	19,200*	52.0	274.8	19,100	54.0	278.2	17,800	55.9	280.6	16,400				170
175	46.9	262.4	16,500*	47.8	264.7	17,100*	49.1	267.9	18,000*	50.4	270.7	18,200	52.5	274.5	16,800	54.5	277.1	15,500				175
180	45.2	257.5	15,500*	46.2	260.0	16,000*	47.5	263.4	16,900*	48.9	266.4	17,200	51.0	270.5	16,000	53.0	273.4	14,700				180
185	43.5	252.3	14,500*	44.5	255.0	15,100*	45.9	258.7	15,900*	47.2	261.9	16,400	49.4	266.3	15,100	51.5	269.5	13,900				185
190	41.7	246.8	13,600*	42.7	249.7	14,100*	44.2	253.6	14,900*	45.6	257.1	15,600	47.8	261.8	14,300	49.9	265.4	13,200	51.9	267.7	12,000	190
195	39.9	241.0	12,800*	40.9	244.1	13,200*	42.4	248.3	14,000*	43.9	252.0	14,700*	46.2	257.1	13,600	48.3	261.0	12,400	50.3	263.7	11,300	195
200	38.0	234.7	12,000*	39.1	238.0	12,400*	40.6	242.5	13,100*	42.1	246.5	13,800*	44.5	252.1	12,900	46.7	256.3	11,800	48.8	259.4	10,700	200
205	36.0	228.0	11,200*	37.1	231.6	11,600*	38.7	236.5	12,300*	40.3	240.8	12,900*	42.7	246.8	12,200	45.0	251.4	11,100	47.2	254.8	10,100	205
210	33.9	220.8	10,500*	35.1	224.6	10,900*	36.8	229.9	11,500*	38.4	234.6	12,100*	40.9	241.2	11,600	43.3	246.2	10,500	45.5	250.0	9,500	210
215	31.7	212.9	9,800*	32.9	217.1	10,100*	34.7	222.9	10,700*	36.4	228.0	11,300*	39.1	235.1	11,000	41.5	240.7	10,000	43.8	244.9	8,900	215
220	29.3	204.3	9,100*	30.6	209.0	9,500*	32.5	215.3	10,000*	34.3	220.9	10,600*	37.1	228.7	10,400	39.7	234.8	9,400	42.0	239.4	8,400	220
225	26.7	194.8	8,500*	28.2	200.0	8,800*	30.2	207.0	9,300*	32.1	213.2	9,900*	35.1	221.8	9,900	37.8	228.5	8,900	40.2	233.6	7,900	225
230	23.9	184.0	7,900*	25.5	190.0	8,200*	27.7	197.9	8,700*	29.8	204.7	9,200*	32.9	214.3	9,300	35.8	221.7	8,400	38.3	227.4	7,400	230
235	20.7	171.7	7,300*	22.5	178.6	7,600*	25.0	187.6	8,100*	27.3	195.4	8,600*	30.7	206.1	8,800	33.6	214.4	7,900	36.3	220.8	7,000	235
240	16.9	156.7	6,800*	19.1	165.2	7,000*	22.0	176.0	7,500*	24.5	185.0	8,000*	28.2	197.1	8,300	31.4	206.5	7,400	34.2	213.6	6,500	240
245	12.1	137.0	5,000*	15.0	148.6	6,500*	18.5	162.2	6,900*	21.4	173.0	7,400*	25.5	187.1	7,900	29.0	197.8	7,000	32.0	205.9	6,100	245
250				9.1	124.5	4,500*	14.2	144.8	6,400*	17.8	158.7	6,800*	22.6	175.8	7,400	26.4	188.2	6,500	29.7	197.4	5,700	250
255							7.7	118.1	4,800*	13.3	140.4	6,300*	19.2	162.4	7,000	23.6	177.3	6,100	27.1	188.1	5,300	255
260										5.8	109.6	5,000*	15.0	145.8	6,400*	20.3	164.7	5,700	24.4	177.6	4,900	260
265													9.2	121.9	5,900*	16.5	149.3	5,300	21.2	165.5	4,500	265
270																11.4	128.7	4,900	17.6	151.1	4,200	270

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 70 Ft. Jib

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

90 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	70.7	173.1	150,700*b																			38
40	69.2	172.3	145,100*b	71.6	173.3	153,700*b																40
45	65.3	170.2	132,600*b	67.8	171.3	140,000*b																45
50	61.3	167.5	121,900*	63.8	169.0	126,500b	67.5	170.6	123,500b													50
55	57.0	164.4	112,600*	59.7	166.2	111,700	63.5	168.3	109,000	67.2	169.7	106,300b										55
60	52.6	160.8	101,300	55.4	162.9	99,700	59.4	165.4	97,300	63.3	167.3	94,900										60
65	47.9	156.5	91,400	50.9	159.0	90,000	55.1	162.1	87,800	59.1	164.4	85,600										65
70	42.8	151.4	83,100	46.0	154.5	81,800	50.6	158.2	79,800	54.8	161.0	77,800	61.3	164.1	74,500							70
75	37.1	145.2	76,100	40.7	149.0	74,900	45.7	153.6	73,100	50.2	157.1	71,200	57.1	161.0	68,200							75
80	30.5	137.5	70,100	34.7	142.3	68,900	40.4	148.0	67,300	45.3	152.4	65,600	52.7	157.3	62,800							80
85	22.1	126.9	64,800	27.6	133.7	63,800	34.3	141.2	62,200	40.0	146.8	60,700	48.0	153.1	58,100	54.9	156.6	55,500				85
90	6.7	106.0	48,800*	18.0	121.3	59,200	27.1	132.5	57,800	33.9	139.9	56,300	42.8	148.0	53,900	50.3	152.7	51,500				90
95							17.2	119.6	53,800	26.5	131.0	52,500	37.2	141.8	50,300	45.4	148.0	48,000	52.3	151.3	45,800	95
100										16.3	117.6	49,000	30.6	134.1	47,000	40.0	142.4	44,900	47.6	146.9	42,800	100
105													22.2	123.6	44,000	33.9	135.5	42,100	42.4	141.8	40,100	105
110													7.2	103.2	41,200	26.6	126.6	39,500	36.7	135.5	37,700	110
115																16.4	113.3	37,100	30.0	127.7	35,500	115
120																			21.5	116.8	33,400	120
125																			3.6	92.5	31,400	125

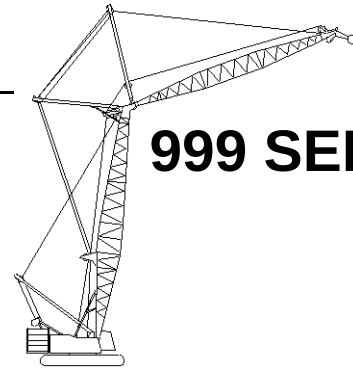


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 90 Ft. Jib

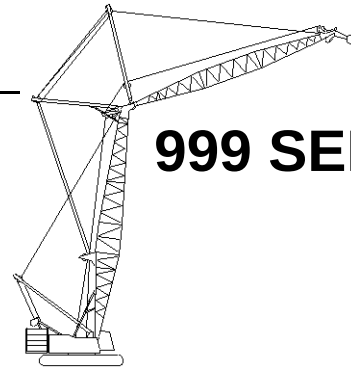
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	74.7	194.1	141,100*b																			38
40	73.5	193.5	137,000*b																			40
45	70.5	191.8	126,000*b	72.4	192.7	132,700*b																45
50	67.4	189.8	116,300*	69.3	190.9	122,400*																50
55	64.2	187.5	107,900*	66.2	188.8	111,100	69.2	190.2	108,200													55
60	61.0	184.9	100,500*	63.0	186.3	99,200	66.0	188.1	96,600													60
65	57.6	181.8	90,900	59.8	183.5	89,400	62.8	185.6	87,100	65.8	187.1	84,800										65
70	54.2	178.3	82,700	56.4	180.3	81,300	59.5	182.8	79,200	62.6	184.6	77,100										70
75	50.5	174.4	75,700	52.8	176.7	74,400	56.1	179.5	72,500	59.3	181.7	70,500										75
80	46.6	169.8	69,700	49.1	172.5	68,500	52.6	175.8	66,700	55.9	178.5	64,900	61.1	181.4	61,900							80
85	42.5	164.6	64,400	45.1	167.7	63,300	48.8	171.6	61,700	52.3	174.7	60,000	57.7	178.3	57,300							85
90	38.0	158.5	59,900	40.9	162.2	58,800	44.9	166.8	57,300	48.6	170.5	55,700	54.2	174.9	53,200							90
95	33.0	151.3	55,800	36.2	155.8	54,900	40.6	161.3	53,400	44.6	165.6	52,000	50.6	170.9	49,500	55.9	174.1	47,200				95
100	27.1	142.4	52,200	30.9	148.0	51,300	35.9	154.7	49,900	40.3	160.0	48,600	46.7	166.4	46,300	52.4	170.3	44,100				100
105	19.7	130.4	48,900	24.6	138.2	48,100	30.5	146.9	46,800	35.5	153.4	45,600	42.6	161.2	43,400	48.6	166.1	41,300				105
110	5.9	106.9	37,100*	16.0	124.1	45,200	24.1	136.9	44,000	30.1	145.4	42,800	38.1	155.1	40,800	44.6	161.3	38,800	50.3	164.8	36,900	110
115							15.3	122.3	41,400	23.6	135.2	40,300	33.0	147.9	38,400	40.3	155.6	36,600	46.4	160.3	34,700	115
120										14.5	120.1	38,000	27.2	139.1	36,300	35.6	149.1	34,500	42.2	155.0	32,700	120
125													19.8	127.1	34,200	30.2	141.1	32,600	37.7	148.9	30,900	125
130													6.3	104.2	32,300	23.7	130.9	30,800	32.6	141.6	29,200	130
135																14.6	115.9	29,100	26.7	132.5	27,700	135
140																			19.1	120.2	26,200	140
145																			3.1	92.8	24,700	145

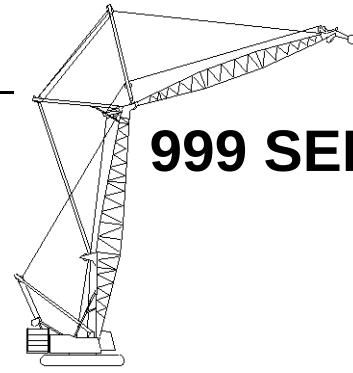


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 110 Ft. Jib

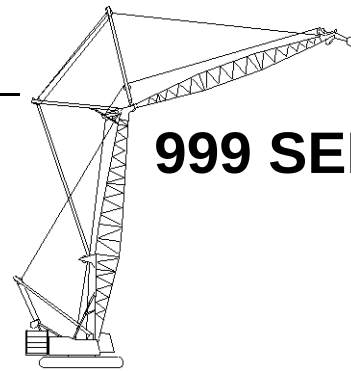
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.9	212.9	118,000*																			45
50	71.3	211.3	110,200*	72.9	212.1	115,600*																50
55	68.8	209.4	102,700*	70.4	210.4	107,700*																55
60	66.2	207.3	95,900*	67.8	208.4	98,700	70.2	209.7	96,100													60
65	63.5	204.9	89,900*	65.2	206.2	88,900	67.7	207.7	86,600													65
70	60.8	202.2	82,300	62.5	203.7	80,800	65.0	205.5	78,600	67.5	206.7	76,500										70
75	58.0	199.1	75,300	59.8	200.8	73,900	62.4	202.9	71,900	64.9	204.5	69,900										75
80	55.2	195.8	69,300	57.0	197.7	68,000	59.6	200.1	66,200	62.2	201.9	64,300										80
85	52.2	192.0	64,100	54.1	194.2	62,900	56.8	196.9	61,200	59.4	199.1	59,500										85
90	49.1	187.8	59,500	51.0	190.3	58,400	53.9	193.4	56,800	56.6	195.9	55,200	60.9	198.7	52,500							90
95	45.8	183.1	55,500	47.9	185.9	54,500	50.8	189.4	52,900	53.7	192.3	51,400	58.1	195.7	48,900							95
100	42.3	177.8	51,900	44.5	181.0	50,900	47.6	185.0	49,500	50.6	188.3	48,100	55.2	192.3	45,700							100
105	38.6	171.8	48,700	41.0	175.5	47,800	44.3	180.1	46,400	47.4	183.9	45,100	52.2	188.6	42,800	56.6	191.4	40,700				105
110	34.5	164.9	45,800	37.1	169.1	44,900	40.7	174.5	43,700	44.0	178.9	42,400	49.1	184.4	40,300	53.7	187.9	38,200				110
115	30.0	156.8	43,100	32.9	161.8	42,300	36.9	168.1	41,100	40.4	173.3	39,900	45.8	179.7	37,900	50.6	183.9	35,900				115
120	24.6	146.9	40,700	28.1	153.1	40,000	32.6	160.8	38,800	36.6	166.8	37,700	42.4	174.4	35,800	47.4	179.5	33,900	52.0	182.5	32,100	120
125	17.9	133.6	38,300*	22.3	142.2	37,800	27.8	151.9	36,700	32.3	159.4	35,600	38.6	168.4	33,800	44.1	174.5	32,000	48.9	178.3	30,300	125
130	5.3	107.8	28,900*	14.5	126.7	35,800	21.9	140.8	34,800	27.4	150.4	33,700	34.6	161.5	32,000	40.5	168.9	30,300	45.6	173.6	28,600	130
135							13.9	124.8	32,900	21.5	139.1	32,000	30.0	153.4	30,300	36.6	162.5	28,700	42.1	168.2	27,100	135
140										13.1	122.4	30,300	24.7	143.5	28,800	32.3	155.0	27,200	38.3	162.2	25,700	140
145													18.0	130.3	27,300	27.4	146.1	25,900	34.2	155.2	24,400	145
150													5.7	105.2	25,900	21.5	134.8	24,600	29.7	147.0	23,200	150
155																13.2	118.2	23,300	24.3	136.9	22,000	155
160																			17.4	123.3	20,900	160
165																			2.7	93.2	19,800	165

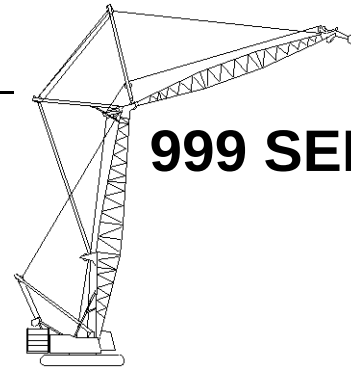


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 130 Ft. Jib

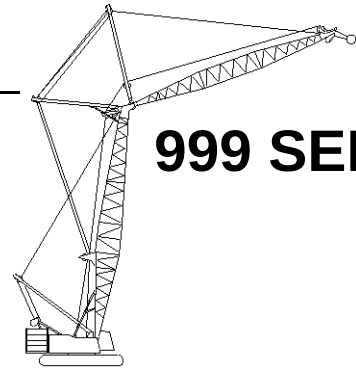
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	74.1	232.3	96,400*																			50
55	71.9	230.7	95,200*	73.3	231.5	101,700*																55
60	69.8	228.9	91,300*	71.1	229.8	95,500*																60
65	67.6	226.9	85,900*	69.0	228.0	88,200	71.0	229.2	85,800													65
70	65.3	224.7	80,900*	66.7	225.9	80,100	68.8	227.3	77,800													70
75	63.0	222.2	74,600	64.5	223.6	73,200	66.6	225.2	71,100													75
80	60.7	219.5	68,600	62.2	221.0	67,300	64.3	222.8	65,400	66.4	224.2	63,500										80
85	58.3	216.5	63,400	59.8	218.2	62,200	62.0	220.3	60,400	64.2	221.8	58,600										85
90	55.9	213.2	58,900	57.4	215.0	57,700	59.7	217.4	56,100	61.9	219.2	54,400										90
95	53.3	209.6	54,800	54.9	211.6	53,800	57.3	214.3	52,200	59.5	216.4	50,600										95
100	50.7	205.6	51,300	52.4	207.9	50,300	54.8	210.8	48,800	57.1	213.2	47,300	60.8	216.0	44,800							100
105	48.0	201.2	48,100	49.7	203.8	47,100	52.2	207.1	45,700	54.6	209.8	44,300	58.4	213.0	42,000							105
110	45.2	196.4	45,200	47.0	199.2	44,300	49.6	202.9	42,900	52.0	206.0	41,600	55.9	209.7	39,400							110
115	42.2	191.1	42,600	44.1	194.2	41,700	46.8	198.4	40,400	49.4	201.8	39,200	53.4	206.1	37,100	57.1	208.8	35,000				115
120	39.0	185.1	40,200	41.0	188.7	39,400	43.9	193.3	38,200	46.6	197.2	37,000	50.8	202.1	35,000	54.6	205.4	33,000				120
125	35.6	178.4	38,000	37.8	182.5	37,200	40.8	187.7	36,100	43.7	192.1	34,900	48.1	197.8	33,000	52.1	201.6	31,100				125
130	31.8	170.8	36,000	34.2	175.5	35,300	37.5	181.5	34,200	40.6	186.5	33,100	45.2	193.0	31,200	49.4	197.4	29,400				130
135	27.7	161.8	34,100	30.3	167.4	33,400	34.0	174.4	32,400	37.3	180.2	31,300	42.2	187.6	29,600	46.6	192.8	27,900	50.6	196.1	26,200	135
140	22.7	151.0	32,400	25.9	157.8	31,700	30.1	166.2	30,700	33.7	173.1	29,700	39.1	181.7	28,100	43.7	187.7	26,400	47.8	191.7	24,800	140
145	16.5	136.5	29,800*	20.6	145.9	30,200	25.6	156.6	29,200	29.8	164.8	28,300	35.6	175.0	26,700	40.6	182.1	25,100	45.0	186.8	23,500	145
150	4.8	108.5	22,400*	13.4	129.0	28,700	20.2	144.4	27,800	25.3	155.0	26,900	31.9	167.4	25,300	37.3	175.8	23,800	42.0	181.5	22,300	150
155							12.8	127.0	26,400	19.8	142.6	25,600	27.7	158.5	24,100	33.8	168.7	22,700	38.8	175.5	21,200	155
160										12.1	124.5	24,300	22.8	147.6	22,900	29.8	160.5	21,600	35.4	168.7	20,200	160
165													16.6	133.3	21,800	25.3	150.7	20,500	31.6	161.0	19,200	165
170													5.2	106.0	20,700	19.9	138.3	19,500	27.4	152.0	18,300	170
175																12.2	120.3	18,600	22.4	140.9	17,400	175
180																			16.0	126.1	16,500	180
185																			2.5	93.5	15,600	185

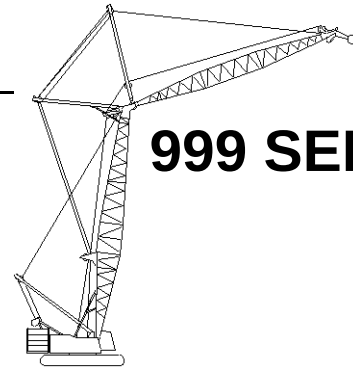


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



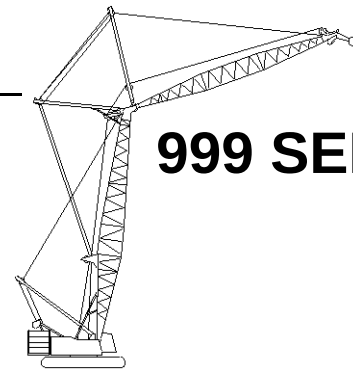
90 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	75.2	242.7	86,800*																			50
55	73.2	241.2	85,800*																			55
60	71.2	239.6	84,800*	72.4	240.4	92,800*																60
65	69.1	237.7	83,700*	70.4	238.7	87,500*																65
70	67.1	235.7	79,100*	68.4	236.7	79,900	70.3	238.0	77,700													70
75	65.0	233.4	74,400	66.3	234.6	73,100	68.2	236.0	71,000													75
80	62.8	230.9	68,500	64.2	232.2	67,200	66.2	233.9	65,200													80
85	60.7	228.2	63,300	62.0	229.7	62,100	64.1	231.5	60,200	66.0	232.9	58,500										85
90	58.4	225.2	58,700	59.8	226.8	57,600	61.9	228.9	55,900	63.9	230.5	54,200										90
95	56.2	221.9	54,700	57.6	223.7	53,600	59.7	226.1	52,000	61.7	227.9	50,500										95
100	53.8	218.3	51,100	55.3	220.3	50,100	57.4	222.9	48,600	59.5	225.0	47,100	62.9	227.4	44,700							100
105	51.4	214.4	47,900	52.9	216.7	47,000	55.1	219.5	45,600	57.3	221.9	44,100	60.7	224.7	41,800							105
110	48.9	210.2	45,000	50.5	212.6	44,100	52.8	215.8	42,800	55.0	218.5	41,400	58.5	221.7	39,200							110
115	46.3	205.5	42,400	47.9	208.2	41,600	50.3	211.8	40,300	52.6	214.8	39,000	56.2	218.4	36,900							115
120	43.5	200.4	40,000	45.3	203.4	39,200	47.8	207.4	38,000	50.1	210.7	36,800	53.8	214.9	34,800	57.3	217.5	32,800				120
125	40.7	194.8	37,900	42.5	198.1	37,100	45.1	202.5	35,900	47.6	206.2	34,800	51.4	211.0	32,900	55.0	214.1	31,000				125
130	37.6	188.5	35,900	39.6	192.3	35,100	42.3	197.2	34,000	44.9	201.4	32,900	48.9	206.7	31,100	52.6	210.4	29,300				130
135	34.3	181.5	34,000	36.4	185.8	33,300	39.4	191.3	32,300	42.1	196.0	31,200	46.3	202.1	29,400	50.2	206.3	27,700				135
140	30.7	173.5	32,300	33.0	178.4	31,600	36.2	184.8	30,600	39.1	190.1	29,600	43.6	197.0	27,900	47.6	201.8	26,300	51.2	204.9	24,600	140
145	26.7	164.2	30,700	29.3	170.0	30,100	32.8	177.4	29,100	36.0	183.5	28,100	40.7	191.4	26,500	44.9	197.0	24,900	48.7	200.6	23,400	145
150	21.9	152.9	29,200*	25.0	160.0	28,600	29.0	168.8	27,700	32.5	176.0	26,800	37.7	185.1	25,200	42.1	191.6	23,700	46.1	196.0	22,200	150
155	15.9	137.9	26,600*	19.9	147.6	27,300	24.7	158.8	26,400	28.7	167.4	25,500	34.4	178.1	24,000	39.2	185.7	22,500	43.4	190.8	21,100	155
160	4.7	108.9	20,000*	12.9	130.1	25,700*	19.5	146.1	25,100	24.4	157.1	24,300	30.8	170.2	22,800	36.0	179.1	21,400	40.5	185.2	20,000	160
165							12.4	128.1	23,900	19.1	144.3	23,100	26.7	160.9	21,800	32.6	171.6	20,400	37.4	178.9	19,100	165
170										11.7	125.5	22,000	22.0	149.6	20,700	28.8	163.0	19,400	34.1	171.8	18,100	170
175													16.0	134.7	19,800	24.4	152.8	18,500	30.5	163.7	17,300	175
180													5.0	106.4	18,800	19.2	140.0	17,600	26.4	154.3	16,400	180
185																11.8	121.3	16,800	21.6	142.8	15,700	185
190																			15.4	127.5	14,900	190
195																			2.4	93.7	14,100	195

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

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

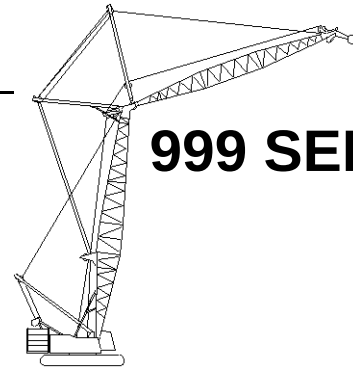


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 170 Ft. Jib

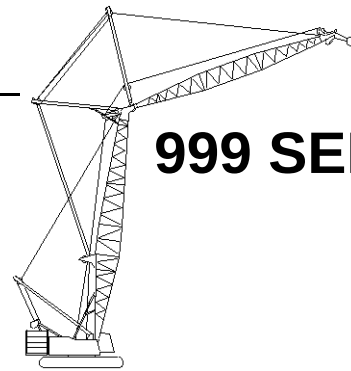
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	72,300	70.9	257.4	70,200													75
80	66.3	253.1	66,100*	67.4	254.2	66,400	69.1	255.6	64,400													80
85	64.4	250.8	62,600	65.6	252.0	61,300	67.3	253.5	59,500													85
90	62.5	248.2	58,000	63.7	249.6	56,900	65.5	251.3	55,100	67.2	252.6	53,400										90
95	60.6	245.5	54,000	61.8	247.0	52,900	63.6	248.9	51,300	65.3	250.3	49,600										95
100	58.6	242.5	50,400	59.9	244.1	49,400	61.7	246.2	47,800	63.4	247.9	46,300										100
105	56.6	239.3	47,200	57.9	241.1	46,200	59.7	243.4	44,800	61.5	245.2	43,300										105
110	54.6	235.8	44,300	55.9	237.8	43,400	57.8	240.3	42,000	59.6	242.4	40,600	62.5	244.8	38,300							110
115	52.5	232.0	41,700	53.8	234.2	40,900	55.7	237.0	39,500	57.6	239.3	38,200	60.6	242.0	36,000							115
120	50.3	228.0	39,400	51.7	230.3	38,500	53.7	233.4	37,300	55.6	235.9	36,000	58.7	239.0	33,900							120
125	48.0	223.6	37,200	49.5	226.1	36,400	51.5	229.5	35,200	53.5	232.3	34,000	56.7	235.8	32,000							125
130	45.7	218.8	35,200	47.2	221.6	34,400	49.3	225.3	33,300	51.4	228.4	32,100	54.6	232.3	30,200	57.6	234.8	28,400				130
135	43.3	213.7	33,400	44.8	216.7	32,600	47.0	220.7	31,500	49.2	224.2	30,400	52.5	228.6	28,600	55.6	231.5	26,800				135
140	40.8	208.0	31,500*	42.4	211.4	31,000	44.7	215.8	29,900	46.9	219.6	28,800	50.3	224.5	27,100	53.5	227.9	25,400				140
145	38.1	201.9	29,800*	39.8	205.6	29,400	42.2	210.4	28,400	44.5	214.6	27,400	48.1	220.1	25,700	51.4	224.0	24,000				145
150	35.2	195.0	28,300*	37.0	199.1	28,000	39.6	204.6	27,000	42.0	209.2	26,000	45.8	215.4	24,400	49.2	219.8	22,800	52.3	222.5	21,300	150
155	32.2	187.4	26,800*	34.1	192.0	26,600	36.9	198.1	25,700	39.4	203.3	24,800	43.3	210.2	23,200	46.9	215.2	21,700	50.1	218.5	20,200	155
160	28.8	178.8	25,400*	30.9	184.1	25,400	33.9	191.0	24,500	36.7	196.8	23,600	40.8	204.6	22,100	44.5	210.2	20,600	47.9	214.0	19,100	160
165	25.0	168.7	24,200*	27.4	175.0	24,200	30.7	183.0	23,300	33.7	189.6	22,500	38.1	198.4	21,000	42.0	204.9	19,600	45.6	209.3	18,200	165
170	20.6	156.6	23,000*	23.4	164.2	23,100	27.2	173.8	22,200	30.5	181.5	21,400	35.3	191.6	20,000	39.4	199.0	18,600	43.1	204.1	17,300	170
175	14.9	140.5	20,800*	18.7	150.9	22,000	23.2	162.9	21,200	26.9	172.2	20,400	32.2	184.0	19,100	36.7	192.5	17,700	40.6	198.4	16,400	175
180	4.3	109.6	15,300*	12.1	132.2	20,000*	18.3	149.4	20,300	22.9	161.2	19,500	28.8	175.4	18,200	33.7	185.3	16,900	37.9	192.2	15,600	180
185							11.6	130.1	19,300	17.9	147.5	18,600	25.1	165.4	17,300	30.5	177.2	16,100	35.0	185.3	14,800	185
190										10.9	127.4	17,700	20.7	153.2	16,500	27.0	167.9	15,300	32.0	177.6	14,100	190
195													15.0	137.3	15,700	22.9	156.9	14,600	28.6	168.9	13,400	195
200													4.7	107.2	14,900	18.0	143.2	13,900	24.7	158.8	12,800	200
205																11.0	123.2	13,200	20.3	146.4	12,200	205
210																			14.5	130.0	11,500	210
215																			2.2	94.0	10,900	215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 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	66,000	70.3	266.3	64,000													80
85	65.9	261.8	59,100*	67.0	263.0	60,900	68.6	264.4	59,000													85
90	64.2	259.5	57,600	65.3	260.7	56,400	66.9	262.3	54,700													90
95	62.4	256.9	53,600	63.5	258.3	52,500	65.2	260.0	50,800	66.8	261.3	49,200										95
100	60.6	254.1	50,000	61.7	255.6	49,000	63.4	257.6	47,400	65.0	259.0	45,800										100
105	58.7	251.2	46,800	59.9	252.8	45,800	61.6	254.9	44,300	63.3	256.6	42,900										105
110	56.8	248.0	44,000	58.0	249.7	43,000	59.7	252.0	41,600	61.5	253.9	40,200										110
115	54.9	244.5	41,400	56.1	246.5	40,500	57.9	249.0	39,100	59.6	251.0	37,700	62.4	253.4	35,500							115
120	52.9	240.8	39,000	54.1	242.9	38,100	56.0	245.7	36,800	57.7	247.9	35,500	60.6	250.7	33,400							120
125	50.9	236.8	36,800	52.1	239.1	36,000	54.0	242.1	34,800	55.8	244.6	33,500	58.7	247.7	31,500							125
130	48.8	232.5	34,800	50.1	235.0	34,000	52.0	238.3	32,900	53.9	241.0	31,700	56.8	244.5	29,700							130
135	46.6	227.9	32,900*	48.0	230.6	32,200	50.0	234.2	31,100	51.9	237.2	30,000	54.9	241.0	28,100	57.8	243.5	26,300				135
140	44.4	222.9	31,000*	45.8	225.9	30,600	47.8	229.7	29,500	49.8	233.1	28,400	52.9	237.3	26,600	55.9	240.2	24,900				140
145	42.0	217.5	29,300*	43.5	220.7	29,000	45.6	225.0	28,000	47.7	228.6	26,900	50.9	233.4	25,200	53.9	236.6	23,500				145
150	39.6	211.6	27,700*	41.1	215.1	27,600	43.3	219.8	26,600	45.5	223.8	25,600	48.8	229.1	23,900	51.9	232.8	22,300				150
155	37.0	205.2	26,200*	38.6	209.1	26,300	40.9	214.2	25,300	43.2	218.6	24,300	46.6	224.5	22,700	49.8	228.7	21,100	52.8	231.3	19,600	155
160	34.2	198.1	24,900*	35.9	202.4	25,000	38.4	208.1	24,100	40.8	213.0	23,100	44.4	219.5	21,600	47.7	224.2	20,100	50.7	227.3	18,600	160
165	31.2	190.2	23,600*	33.1	195.0	23,800	35.8	201.4	22,900	38.3	206.8	22,000	42.0	214.1	20,500	45.5	219.4	19,100	48.6	223.0	17,600	165
170	27.9	181.2	22,400*	30.0	186.8	22,700	32.9	193.9	21,900	35.6	200.1	21,000	39.6	208.2	19,500	43.2	214.2	18,100	46.5	218.4	16,700	170
175	24.3	170.9	21,300*	26.6	177.3	21,700	29.8	185.6	20,800	32.7	192.6	20,000	37.0	201.8	18,600	40.8	208.6	17,200	44.2	213.4	15,900	175
180	20.0	158.3	20,300*	22.8	166.2	20,700	26.4	176.1	19,900	29.6	184.2	19,100	34.2	194.7	17,700	38.3	202.4	16,400	41.9	207.9	15,100	180
185	14.5	141.8	18,200*	18.1	152.5	19,800	22.5	164.9	19,000	26.1	174.5	18,200	31.3	186.8	16,900	35.6	195.7	15,600	39.4	202.0	14,400	185
190	4.2	109.9	13,100*	11.8	133.2	17,500*	17.8	150.9	18,100	22.2	163.2	17,400	28.0	177.9	16,100	32.7	188.2	14,900	36.8	195.5	13,600	190
195							11.2	131.0	17,300	17.4	149.0	16,600	24.3	167.5	15,300	29.6	179.8	14,100	34.0	188.4	13,000	195
200										10.6	128.3	15,800	20.1	155.0	14,600	26.2	170.2	13,500	31.0	180.4	12,300	200
205													14.6	138.5	13,900	22.2	158.9	12,800	27.7	171.4	11,700	205
210													4.6	107.5	13,200	17.4	144.7	12,200	24.0	160.9	11,100	210
215																10.7	124.1	11,600	19.7	148.2	10,500	215
220																			14.1	131.2	10,000	220
225																			2.1	94.1	9,400	225

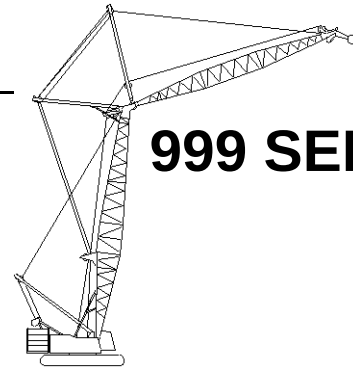


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 190 Ft. Jib

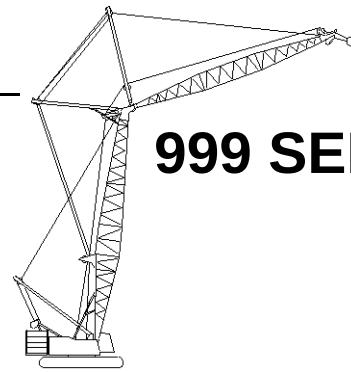
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	56,200	68.2	273.1	54,400													90
95	63.9	268.1	52,200*	65.0	269.4	52,300	66.5	271.0	50,600													95
100	62.2	265.6	49,800	63.3	267.0	48,800	64.9	268.7	47,200	66.4	270.0	45,600										100
105	60.5	262.8	46,600	61.6	264.3	45,600	63.2	266.2	44,100	64.8	267.7	42,600										105
110	58.8	259.8	43,800	59.9	261.5	42,800	61.5	263.6	41,400	63.1	265.2	40,000										110
115	57.0	256.6	41,100	58.1	258.4	40,200	59.8	260.7	38,900	61.4	262.6	37,500										115
120	55.2	253.2	38,800	56.3	255.1	37,900	58.0	257.6	36,600	59.6	259.7	35,300	62.3	262.1	33,200							120
125	53.3	249.6	36,600	54.5	251.6	35,800	56.2	254.4	34,500	57.9	256.6	33,300	60.6	259.3	31,300							125
130	51.4	245.7	34,600	52.6	247.9	33,800	54.3	250.8	32,600	56.1	253.3	31,500	58.8	256.4	29,500							130
135	49.4	241.5	32,600*	50.6	243.9	32,000	52.5	247.1	30,900	54.2	249.8	29,800	57.0	253.2	27,900							135
140	47.4	237.0	30,700*	48.7	239.6	30,400	50.5	243.0	29,300	52.3	246.0	28,200	55.2	249.8	26,400	57.9	252.2	24,600				140
145	45.3	232.1	29,000*	46.6	234.9	28,800	48.5	238.7	27,800	50.4	241.9	26,700	53.3	246.1	25,000	56.1	248.9	23,300				145
150	43.1	226.9	27,400*	44.5	230.0	27,400	46.5	234.1	26,400	48.4	237.6	25,400	51.4	242.2	23,700	54.2	245.4	22,100				150
155	40.8	221.3	26,000*	42.3	224.6	26,100	44.3	229.1	25,100	46.3	232.9	24,100	49.4	238.0	22,500	52.3	241.6	20,900				155
160	38.4	215.1	24,600*	40.0	218.8	24,800	42.1	223.7	23,900	44.2	227.9	22,900	47.4	233.5	21,400	50.4	237.5	19,900				160
165	35.9	208.5	23,300*	37.5	212.5	23,600	39.8	217.8	22,700	42.0	222.5	21,800	45.3	228.7	20,300	48.4	233.2	18,900	51.3	236.1	17,400	165
170	33.2	201.1	22,100*	34.9	205.6	22,500	37.4	211.5	21,700	39.6	216.6	20,800	43.1	223.5	19,300	46.3	228.5	17,900	49.3	231.9	16,500	170
175	30.4	192.9	21,000*	32.2	197.9	21,500	34.8	204.5	20,700	37.2	210.2	19,800	40.9	217.8	18,400	44.2	223.5	17,000	47.2	227.4	15,700	175
180	27.2	183.7	19,900*	29.2	189.4	20,500	32.0	196.8	19,700	34.6	203.2	18,900	38.5	211.7	17,500	42.0	218.1	16,200	45.1	222.5	14,900	180
185	23.6	172.9	18,900*	25.9	179.6	19,500*	29.0	188.2	18,800	31.8	195.4	18,000	36.0	205.1	16,700	39.7	212.2	15,400	43.0	217.3	14,100	185
190	19.4	160.0	18,000*	22.1	168.2	18,600*	25.7	178.4	18,000	28.8	186.7	17,200	33.3	197.7	15,900	37.2	205.8	14,700	40.7	211.6	13,400	190
195	14.1	143.0	16,100*	17.6	154.1	17,700*	21.9	166.8	17,100	25.4	176.8	16,400	30.4	189.5	15,200	34.6	198.8	14,000	38.3	205.5	12,800	195
200	4.1	110.2	11,400*	11.4	134.2	15,500*	17.3	152.4	16,400	21.6	165.1	15,700	27.2	180.3	14,500	31.8	191.1	13,300	35.8	198.8	12,100	200
205							10.9	132.0	15,600	16.9	150.4	14,900	23.7	169.6	13,800	28.8	182.4	12,600	33.1	191.4	11,500	205
210										10.3	129.2	14,200	19.5	156.7	13,100	25.5	172.5	12,000	30.2	183.1	10,900	210
215													14.2	139.8	12,500	21.6	160.8	11,400	27.0	173.8	10,400	215
220													4.4	107.9	11,800	17.0	146.2	10,900	23.4	163.0	9,800	220
225																10.4	125.0	10,300	19.1	149.8	9,300	225
230																			13.7	132.4	8,800	230
235																			2.0	94.3	8,300	235



Liftcrane Luffing Jib Capacities

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

Designed And Tested
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999 SERIES 2

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	51,900	67.8	281.9	50,200													95
100	63.8	276.8	45,800*	64.8	278.1	48,400	66.2	279.7	46,800	67.7	280.9	45,100										100
105	62.1	274.2	45,400*	63.2	275.6	45,200	64.6	277.4	43,700	66.1	278.7	42,200										105
110	60.5	271.5	43,400	61.5	273.0	42,400	63.0	274.9	40,900	64.5	276.4	39,500										110
115	58.8	268.5	40,800	59.9	270.1	39,800	61.4	272.2	38,500	62.9	273.9	37,100										115
120	57.1	265.3	38,400	58.2	267.1	37,500	59.8	269.4	36,200	61.3	271.2	34,900										120
125	55.4	261.9	36,200	56.5	263.8	35,400	58.1	266.3	34,100	59.7	268.3	32,900	62.2	270.8	30,800							125
130	53.6	258.3	34,100*	54.8	260.4	33,400	56.4	263.0	32,200	58.0	265.3	31,000	60.5	268.0	29,000							130
135	51.8	254.5	32,000*	53.0	256.7	31,600	54.6	259.6	30,500	56.3	262.0	29,300	58.9	265.0	27,400							135
140	50.0	250.3	30,200*	51.1	252.7	30,000	52.9	255.8	28,900	54.5	258.5	27,700	57.2	261.8	25,900							140
145	48.1	245.9	28,500*	49.3	248.5	28,400	51.0	251.9	27,400	52.7	254.8	26,300	55.4	258.5	24,500	58.0	260.9	22,800				145
150	46.1	241.2	26,900*	47.3	244.0	27,000	49.1	247.6	26,000	50.9	250.8	24,900	53.7	254.9	23,200	56.3	257.6	21,600				150
155	44.1	236.2	25,400*	45.3	239.1	25,700	47.2	243.1	24,700	49.0	246.5	23,700	51.9	251.0	22,000	54.5	254.1	20,400				155
160	41.9	230.8	24,000*	43.3	234.0	24,400	45.2	238.3	23,500	47.1	242.0	22,500	50.0	246.9	20,900	52.7	250.4	19,400				160
165	39.7	224.9	22,800*	41.1	228.4	23,300	43.1	233.0	22,300	45.1	237.1	21,400	48.1	242.5	19,900	50.9	246.4	18,400				165
170	37.4	218.5	21,600*	38.9	222.3	22,200	41.0	227.4	21,300	43.0	231.8	20,400	46.1	237.8	18,900	49.0	242.1	17,400	51.7	245.0	16,000	170
175	35.0	211.6	20,400*	36.5	215.8	21,100	38.7	221.4	20,300	40.8	226.2	19,400	44.1	232.7	18,000	47.1	237.6	16,500	49.9	240.8	15,200	175
180	32.4	204.0	19,400*	34.0	208.6	20,000*	36.4	214.8	19,300	38.6	220.1	18,500	42.0	227.3	17,100	45.1	232.7	15,700	47.9	236.4	14,400	180
185	29.6	195.6	18,400*	31.3	200.7	19,000*	33.9	207.6	18,400	36.2	213.5	17,600	39.8	221.5	16,300	43.0	227.5	14,900	46.0	231.7	13,600	185
190	26.5	186.0	17,500*	28.4	191.9	18,000*	31.2	199.6	17,600	33.7	206.2	16,800	37.5	215.1	15,500	40.9	221.8	14,200	43.9	226.6	12,900	190
195	23.0	175.0	16,600*	25.2	181.8	17,100*	28.2	190.7	16,800	31.0	198.2	16,000	35.0	208.2	14,700	38.6	215.7	13,500	41.8	221.1	12,300	195
200	18.9	161.7	15,700*	21.6	170.1	16,200*	25.0	180.6	16,000	28.0	189.2	15,300	32.4	200.6	14,000	36.2	209.1	12,800	39.6	215.3	11,600	200
205	13.7	144.2	13,900*	17.2	155.6	15,400*	21.3	168.7	15,300	24.8	179.0	14,600	29.6	192.2	13,400	33.7	201.9	12,200	37.3	208.9	11,000	205
210	4.0	110.6	9,600*	11.1	135.2	13,400*	16.8	153.9	14,600	21.0	166.9	13,900	26.5	182.6	12,700	31.0	193.8	11,600	34.8	201.9	10,500	210
215							10.6	132.9	13,900	16.5	151.9	13,200	23.1	171.6	12,100	28.1	184.9	11,000	32.2	194.3	9,900	215
220										10.1	130.0	12,600	19.0	158.4	11,500	24.8	174.7	10,400	29.4	185.7	9,400	220
225													13.8	141.0	10,900	21.1	162.6	9,900	26.3	176.1	8,900	225
230													4.3	108.2	10,300	16.5	147.6	9,400	22.8	165.0	8,400	230
235																10.1	125.9	8,900	18.6	151.5	7,900	235
240																			13.3	133.6	7,400	240
245																			2.0	94.4	6,900	245

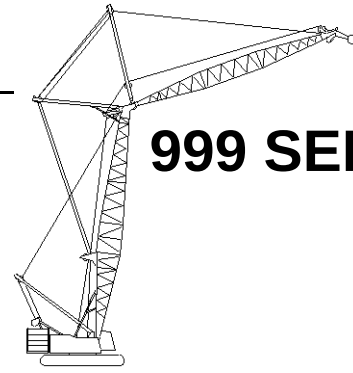


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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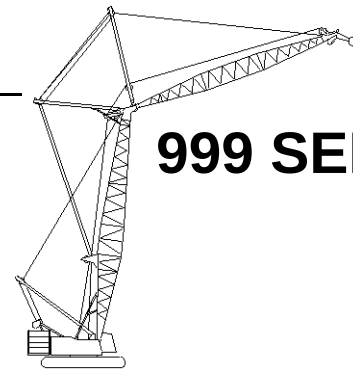
90 Ft. Boom, 210 Ft. Jib

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.	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	
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	44,900	65.9	288.4	43,300	67.3	289.7	41,800										105
110	62.0	282.9	40,400*	63.0	284.3	42,100	64.4	286.1	40,600	65.8	287.5	39,100										110
115	60.5	280.1	40,000*	61.5	281.6	39,500	62.9	283.6	38,100	64.3	285.1	36,700										115
120	58.9	277.1	38,100	59.9	278.8	37,200	61.4	280.9	35,800	62.8	282.6	34,500										120
125	57.3	274.0	35,900	58.3	275.7	35,000	59.8	278.0	33,800	61.2	279.9	32,500										125
130	55.6	270.6	33,900	56.7	272.5	33,100	58.2	275.0	31,900	59.7	277.0	30,600	62.1	279.4	28,600							130
135	54.0	267.1	31,900*	55.0	269.1	31,300	56.6	271.7	30,100	58.1	273.9	28,900	60.5	276.6	27,000							135
140	52.2	263.3	30,000*	53.3	265.4	29,600	54.9	268.3	28,500	56.4	270.7	27,400	58.9	273.7	25,500							140
145	50.5	259.2	28,200*	51.6	261.5	28,100	53.2	264.6	27,000	54.8	267.2	25,900	57.3	270.5	24,100							145
150	48.7	254.9	26,600*	49.8	257.4	26,700	51.5	260.7	25,600	53.1	263.5	24,600	55.7	267.2	22,900							150
155	46.8	250.3	25,100*	48.0	253.0	25,300	49.7	256.5	24,300	51.4	259.6	23,300	54.0	263.6	21,700	56.5	266.3	20,000				155
160	44.9	245.4	23,700*	46.1	248.3	24,100	47.9	252.1	23,100	49.6	255.4	22,100	52.3	259.8	20,500	54.8	262.8	19,000				160
165	42.9	240.1	22,400*	44.2	243.2	22,900	46.0	247.4	22,000	47.7	251.0	21,000	50.5	255.8	19,500	53.1	259.1	18,000				165
170	40.9	234.5	21,200*	42.2	237.8	21,800	44.1	242.3	20,900	45.9	246.2	20,000	48.7	251.5	18,500	51.4	255.2	17,000				170
175	38.7	228.4	20,100*	40.1	232.0	20,800	42.1	236.9	19,900	43.9	241.1	19,000	46.9	246.9	17,600	49.6	251.0	16,200	52.1	253.8	14,800	175
180	36.5	221.8	19,000*	37.9	225.8	19,700*	40.0	231.1	19,000	41.9	235.7	18,100	45.0	242.0	16,700	47.8	246.6	15,300	50.4	249.7	14,000	180
185	34.1	214.7	18,000*	35.6	219.0	18,600*	37.8	224.8	18,100	39.8	229.8	17,300	43.0	236.7	15,900	45.9	241.8	14,600	48.6	245.4	13,200	185
190	31.6	206.8	17,100*	33.2	211.6	17,600*	35.5	218.0	17,200	37.6	223.5	16,400	40.9	231.1	15,100	43.9	236.8	13,800	46.7	240.8	12,500	190
195	28.8	198.1	16,200*	30.6	203.5	16,700*	33.0	210.5	16,400	35.3	216.7	15,700	38.8	225.0	14,400	41.9	231.3	13,100	44.8	235.8	11,900	195
200	25.8	188.3	15,300*	27.7	194.4	15,800*	30.4	202.3	15,700	32.8	209.2	14,900	36.5	218.4	13,700	39.8	225.5	12,400	42.8	230.5	11,200	200
205	22.4	176.9	14,500*	24.6	184.0	15,000*	27.5	193.2	15,000	30.2	200.9	14,200	34.1	211.3	13,000	37.6	219.1	11,800	40.8	224.9	10,600	205
210	18.5	163.3	13,800*	21.0	171.9	14,200*	24.4	182.7	14,300	27.3	191.7	13,600	31.6	203.5	12,400	35.3	212.3	11,200	38.6	218.8	10,100	210
215	13.4	145.3	12,000*	16.7	157.0	13,500*	20.8	170.5	13,600	24.1	181.1	12,900	28.9	194.7	11,800	32.9	204.8	10,600	36.3	212.2	9,500	215
220	3.9	110.9	8,000*	10.9	136.1	11,500*	16.4	155.3	13,000	20.5	168.7	12,300	25.9	184.9	11,200	30.2	196.5	10,100	33.9	205.0	9,000	220
225							10.4	133.8	12,100*	16.1	153.3	11,700	22.5	173.6	10,600	27.4	187.3	9,600	31.4	197.1	8,500	225
230										9.8	130.9	11,100	18.5	160.0	10,100	24.2	176.8	9,000	28.6	188.3	8,000	230
235													13.5	142.1	9,600	20.5	164.4	8,600	25.6	178.4	7,600	235
240													4.2	108.6	9,000	16.1	149.0	8,100	22.2	166.9	7,100	240
245																9.9	126.7	7,600	18.2	153.0	6,700	245
250																			13.0	134.7	6,300	250
255																			1.9	94.5	5,800	255

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 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	40,200	67.0	298.4	38,700										110
115	61.9	291.6	35,800*	62.9	293.0	39,100	64.2	294.8	37,700	65.6	296.2	36,200										115
120	60.5	288.8	35,500*	61.4	290.3	36,800	62.8	292.2	35,400	64.1	293.8	34,000										120
125	58.9	285.8	35,100*	59.9	287.4	34,600	61.3	289.6	33,300	62.7	291.2	32,000										125
130	57.4	282.7	33,400*	58.4	284.4	32,700	59.8	286.7	31,400	61.2	288.5	30,200										130
135	55.8	279.3	31,300*	56.8	281.2	30,900	58.3	283.6	29,700	59.7	285.7	28,500	62.0	288.1	26,500							135
140	54.2	275.8	29,400*	55.2	277.8	29,200	56.7	280.4	28,100	58.2	282.6	26,900	60.5	285.3	25,000							140
145	52.6	272.0	27,700*	53.6	274.2	27,700	55.1	277.0	26,600	56.6	279.4	25,500	59.0	282.3	23,700							145
150	50.9	268.1	26,100*	52.0	270.3	26,300	53.5	273.4	25,200	55.0	275.9	24,100	57.4	279.2	22,400							150
155	49.2	263.8	24,600*	50.3	266.3	24,900	51.9	269.5	23,900	53.4	272.3	22,900	55.9	275.9	21,200							155
160	47.5	259.3	23,200*	48.6	261.9	23,700	50.2	265.4	22,700	51.8	268.4	21,700	54.3	272.3	20,100	56.6	275.0	18,500				160
165	45.7	254.5	21,900*	46.8	257.3	22,500	48.5	261.1	21,600	50.1	264.3	20,600	52.6	268.6	19,000	55.0	271.5	17,500				165
170	43.8	249.4	20,700*	45.0	252.4	21,400	46.7	256.5	20,500	48.4	259.9	19,600	51.0	264.6	18,000	53.4	267.9	16,500				170
175	41.9	244.0	19,500*	43.1	247.2	20,200*	44.9	251.5	19,500	46.6	255.3	18,600	49.3	260.4	17,100	51.8	264.0	15,700				175
180	39.9	238.1	18,500*	41.2	241.6	19,100*	43.0	246.3	18,600	44.7	250.4	17,700	47.5	255.9	16,300	50.1	259.9	14,800	52.5	262.5	13,500	180
185	37.8	231.9	17,500*	39.1	235.6	18,100*	41.0	240.7	17,700	42.9	245.1	16,800	45.7	251.1	15,400	48.4	255.5	14,100	50.8	258.5	12,700	185
190	35.6	225.1	16,500*	37.0	229.1	17,100*	39.0	234.6	16,800	40.9	239.4	16,000	43.9	246.0	14,700	46.6	250.9	13,300	49.1	254.3	12,000	190
195	33.3	217.7	15,600*	34.8	222.1	16,100*	36.9	228.1	16,000	38.8	233.4	15,200	41.9	240.6	13,900	44.8	246.0	12,600	47.4	249.8	11,400	195
200	30.8	209.6	14,800*	32.4	214.5	15,300*	34.6	221.1	15,300	36.7	226.8	14,500	39.9	234.7	13,200	42.9	240.7	12,000	45.6	245.0	10,700	200
205	28.1	200.6	14,000*	29.8	206.1	14,400*	32.2	213.4	14,600	34.4	219.8	13,800	37.8	228.4	12,600	40.9	235.1	11,300	43.7	239.9	10,200	205
210	25.2	190.5	13,200*	27.1	196.8	13,600*	29.7	205.0	13,900	32.0	212.0	13,100	35.6	221.7	11,900	38.9	229.0	10,700	41.8	234.4	9,600	210
215	21.9	178.9	12,500*	24.0	186.1	12,900*	26.9	195.6	13,200	29.5	203.5	12,500	33.3	214.3	11,300	36.7	222.5	10,200	39.8	228.5	9,000	215
220	18.0	164.8	11,800*	20.5	173.7	12,200*	23.8	184.8	12,600	26.7	194.0	11,900	30.9	206.2	10,800	34.5	215.4	9,600	37.7	222.2	8,500	220
225	13.0	146.4	10,100*	16.3	158.4	11,500*	20.3	172.3	12,000	23.6	183.2	11,300	28.2	197.3	10,200	32.1	207.7	9,100	35.5	215.4	8,000	225
230	3.8	111.2	6,400*	10.6	137.0	9,700*	16.0	156.7	11,400	20.0	170.5	10,800	25.2	187.2	9,700	29.5	199.2	8,600	33.1	208.0	7,600	230
235							10.1	134.6	10,200*	15.7	154.6	10,200	22.0	175.5	9,200	26.7	189.7	8,100	30.6	199.8	7,100	235
240										9.6	131.7	9,700	18.1	161.6	8,700	23.6	178.9	7,700	28.0	190.8	6,700	240
245													13.1	143.3	8,200	20.1	166.2	7,200	25.0	180.6	6,200	245
250													4.1	108.9	7,700	15.7	150.4	6,800	21.7	168.8	5,800	250
255																9.6	127.6	6,300	17.7	154.6	5,400	255
260																			12.7	135.8	5,000	260
265																			1.9	94.7	4,600	265

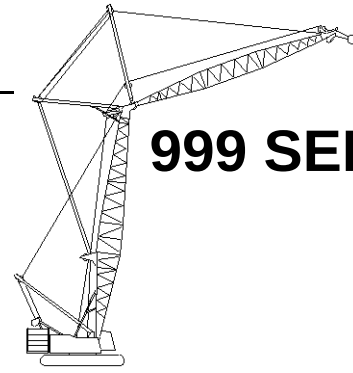


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 230 Ft. Jib

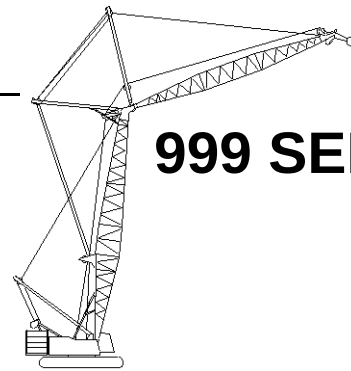
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	38,800	65.4	305.8	37,300	66.7	307.1	35,900										115
120	61.9	300.2	33,600*	62.7	301.6	36,400	64.1	303.5	35,100	65.3	304.9	33,700										120
125	60.4	297.4	33,300*	61.3	299.0	34,300	62.7	300.9	33,000	64.0	302.5	31,700										125
130	59.0	294.5	32,200*	59.9	296.1	32,400	61.2	298.2	31,100	62.6	299.9	29,900										130
135	57.5	291.3	30,900*	58.4	293.1	30,600	59.8	295.3	29,400	61.1	297.2	28,200										135
140	56.0	288.0	29,000*	57.0	289.9	28,900	58.3	292.3	27,800	59.7	294.3	26,600	61.9	296.8	24,700							140
145	54.5	284.5	27,300*	55.5	286.5	27,400	56.9	289.1	26,300	58.2	291.3	25,200	60.5	294.0	23,300							145
150	52.9	280.8	25,700*	53.9	282.9	26,000	55.4	285.7	24,900	56.8	288.1	23,800	59.0	291.0	22,100							150
155	51.4	276.9	24,200*	52.4	279.1	24,600	53.8	282.1	23,600	55.3	284.6	22,600	57.5	287.9	20,900							155
160	49.7	272.7	22,800*	50.8	275.1	23,400	52.3	278.3	22,400	53.7	281.0	21,400	56.0	284.6	19,800							160
165	48.1	268.3	21,500*	49.1	270.9	22,200	50.7	274.3	21,300	52.1	277.2	20,300	54.5	281.1	18,700	56.8	283.6	17,200				165
170	46.4	263.6	20,300*	47.5	266.3	21,000*	49.0	270.0	20,200	50.5	273.2	19,300	53.0	277.3	17,700	55.3	280.2	16,200				170
175	44.6	258.7	19,100*	45.7	261.6	19,800*	47.3	265.5	19,200	48.9	268.9	18,300	51.4	273.4	16,800	53.7	276.6	15,400				175
180	42.8	253.4	18,100*	44.0	256.5	18,700*	45.6	260.7	18,300	47.2	264.3	17,400	49.8	269.3	16,000	52.2	272.8	14,500				180
185	40.9	247.7	17,100*	42.1	251.1	17,700*	43.8	255.6	17,400	45.5	259.5	16,500	48.1	264.9	15,100	50.6	268.8	13,800	52.9	271.3	12,400	185
190	39.0	241.7	16,100*	40.2	245.3	16,700*	42.0	250.1	16,600	43.7	254.4	15,700	46.4	260.2	14,400	48.9	264.5	13,000	51.3	267.4	11,700	190
195	36.9	235.2	15,200*	38.2	239.1	15,700*	40.1	244.3	15,800	41.9	248.9	15,000	44.6	255.2	13,600	47.2	259.9	12,300	49.6	263.2	11,100	195
200	34.8	228.2	14,400*	36.2	232.4	14,900*	38.1	238.1	15,000	39.9	243.1	14,200	42.8	249.9	12,900	45.5	255.1	11,700	48.0	258.8	10,400	200
205	32.5	220.6	13,600*	34.0	225.2	14,000*	36.0	231.4	14,300	38.0	236.8	13,500	41.0	244.3	12,300	43.7	250.0	11,000	46.3	254.1	9,900	205
210	30.1	212.3	12,800*	31.6	217.4	13,200*	33.8	224.2	13,600	35.9	230.1	12,900	39.0	238.3	11,700	41.9	244.5	10,500	44.5	249.1	9,300	210
215	27.5	203.1	12,100*	29.2	208.7	12,500*	31.5	216.3	13,000	33.7	222.8	12,200	37.0	231.8	11,100	40.0	238.7	9,900	42.7	243.8	8,700	215
220	24.6	192.7	11,400*	26.5	199.1	11,800*	29.0	207.6	12,300	31.3	214.8	11,600	34.8	224.8	10,500	38.0	232.5	9,300	40.8	238.1	8,200	220
225	21.4	180.7	10,700*	23.5	188.2	11,100*	26.3	197.9	11,700	28.8	206.1	11,100	32.6	217.2	9,900	35.9	225.7	8,800	38.9	232.0	7,700	225
230	17.6	166.4	10,100*	20.1	175.5	10,500*	23.3	186.9	11,000*	26.1	196.3	10,500	30.1	208.9	9,400	33.7	218.4	8,300	36.8	225.5	7,300	230
235	12.8	147.5	8,400*	16.0	159.8	9,900*	19.8	174.0	10,400*	23.0	185.2	10,000	27.5	199.7	8,900	31.3	210.5	7,900	34.7	218.5	6,800	235
240	3.7	111.5	5,000*	10.4	137.9	8,000*	15.7	158.1	9,800*	19.6	172.2	9,500	24.7	189.4	8,400	28.8	201.8	7,400	32.4	210.9	6,400	240
245							9.9	135.5	8,600*	15.3	156.0	9,000	21.5	177.4	8,000	26.1	192.0	7,000	30.0	202.5	6,000	245
250										9.3	132.5	8,500	17.7	163.1	7,500	23.1	180.9	6,500	27.3	193.2	5,600	250
255													12.8	144.4	7,100	19.6	167.9	6,100	24.4	182.8	5,200	255
260													4.0	109.2	6,600	15.4	151.7	5,700	21.2	170.7	4,800	260
265																9.4	128.4	5,300	17.3	156.1	4,400	265
270																			12.4	136.8	4,100	270



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	35,500										115
120	63.1	311.5	30,300*	64.0	312.9	35,100*	65.2	314.6	34,700	66.4	315.9	33,300										120
125	61.8	308.9	30,000*	62.6	310.3	33,900	63.9	312.1	32,600	65.1	313.6	31,300										125
130	60.4	306.1	29,700*	61.3	307.6	32,000	62.5	309.6	30,700	63.8	311.1	29,400										130
135	59.0	303.1	29,400*	59.9	304.8	30,200	61.2	306.9	29,000	62.4	308.6	27,700										135
140	57.6	300.0	28,500*	58.5	301.7	28,500	59.8	304.0	27,400	61.1	305.9	26,200										140
145	56.2	296.7	26,800*	57.1	298.6	27,000	58.4	301.0	25,900	59.7	303.0	24,700	61.8	305.4	22,900							145
150	54.7	293.2	25,200*	55.7	295.2	25,600	57.0	297.8	24,500	58.3	299.9	23,400	60.4	302.6	21,600							150
155	53.3	289.6	23,700*	54.2	291.6	24,200	55.6	294.4	23,200	56.9	296.7	22,100	59.1	299.7	20,400							155
160	51.7	285.7	22,300*	52.7	287.9	23,000	54.1	290.8	22,000	55.5	293.3	21,000	57.6	296.6	19,300							160
165	50.2	281.6	21,000*	51.2	283.9	21,800	52.6	287.1	20,900	54.0	289.8	19,900	56.2	293.3	18,300							165
170	48.6	277.3	19,800*	49.6	279.8	20,500*	51.1	283.1	19,800	52.5	286.0	18,800	54.8	289.8	17,300	56.9	292.3	15,700				170
175	47.0	272.7	18,600*	48.0	275.3	19,300*	49.5	278.9	18,800	51.0	282.0	17,900	53.3	286.1	16,400	55.5	288.9	14,900				175
180	45.3	267.8	17,500*	46.4	270.7	18,200*	47.9	274.5	17,900	49.4	277.8	17,000	51.8	282.2	15,500	54.0	285.4	14,100				180
185	43.6	262.7	16,500*	44.7	265.7	17,100*	46.3	269.8	17,000	47.8	273.3	16,100	50.2	278.1	14,700	52.5	281.6	13,300				185
190	41.9	257.2	15,600*	43.0	260.4	16,200*	44.6	264.8	16,100	46.2	268.6	15,300	48.6	273.8	13,900	51.0	277.6	12,600				190
195	40.0	251.4	14,700*	41.2	254.8	15,200*	42.9	259.5	15,400	44.5	263.6	14,500	47.0	269.2	13,200	49.4	273.4	11,900	51.6	276.2	10,600	195
200	38.1	245.2	13,800*	39.3	248.9	14,300*	41.1	253.9	14,600	42.7	258.3	13,800	45.4	264.4	12,500	47.8	268.9	11,200	50.1	272.1	9,900	200
205	36.1	238.5	13,000*	37.4	242.5	13,500*	39.2	247.9	13,900	40.9	252.7	13,100	43.7	259.2	11,800	46.2	264.2	10,600	48.5	267.7	9,400	205
210	34.0	231.3	12,300*	35.4	235.6	12,700*	37.3	241.5	13,200	39.1	246.6	12,500	41.9	253.8	11,200	44.5	259.2	10,000	46.9	263.1	8,800	210
215	31.8	223.5	11,500*	33.2	228.2	12,000*	35.2	234.6	12,600	37.1	240.2	11,800	40.1	248.0	10,600	42.8	253.9	9,400	45.2	258.3	8,300	215
220	29.5	214.9	10,800*	31.0	220.1	11,200*	33.1	227.1	11,900	35.1	233.3	11,200	38.2	241.7	10,000	41.0	248.3	8,900	43.5	253.1	7,700	220
225	26.9	205.5	10,200*	28.5	211.3	10,600*	30.8	219.0	11,200*	32.9	225.8	10,700	36.2	235.1	9,500	39.1	242.3	8,400	41.7	247.6	7,300	225
230	24.1	194.8	9,600*	25.9	201.4	9,900*	28.4	210.1	10,500*	30.6	217.6	10,100	34.1	227.9	9,000	37.1	235.8	7,900	39.9	241.8	6,800	230
235	20.9	182.6	9,000*	23.0	190.2	9,300*	25.7	200.2	9,800*	28.2	208.6	9,600	31.9	220.1	8,500	35.1	228.9	7,400	38.0	235.5	6,300	235
240	17.2	167.9	8,300*	19.6	177.2	8,700*	22.8	188.9	9,200*	25.5	198.6	9,100	29.5	211.5	8,000	32.9	221.4	6,900	36.0	228.8	5,900	240
245	12.5	148.6	6,800*	15.6	161.2	8,200*	19.4	175.7	8,600*	22.5	187.2	8,600	26.9	202.1	7,500	30.7	213.2	6,500	33.9	221.6	5,500	245
250				10.1	138.8	6,400*	15.3	159.4	8,100*	19.1	173.9	8,100	24.1	191.5	7,100	28.2	204.3	6,100	31.7	213.7	5,100	250
255							9.7	136.3	7,000*	15.0	157.3	7,700	21.0	179.3	6,700	25.5	194.3	5,700	29.3	205.1	4,700	255
260										9.1	133.3	7,200	17.3	164.6	6,200	22.6	182.9	5,300	26.7	195.6	4,400	260
265													12.6	145.5	5,800	19.2	169.6	4,900	23.9	184.9	4,000	265
270													3.9	109.5	5,400	15.0	153.0	4,500				270
275																9.2	129.1	4,200				275

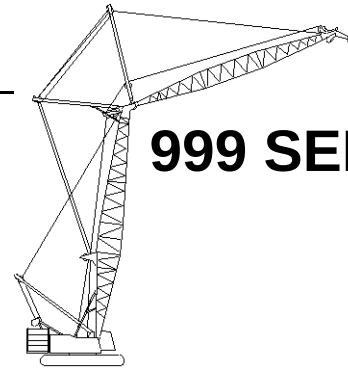


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	68.1	172.5	138,600*b																			38
40	66.4	171.6	133,600*b																			40
45	61.8	169.1	122,400*b	65.0	170.6	129,400*b																45
50	56.9	166.0	112,800*	60.3	167.9	118,800*b	65.2	170.1	123,300b													50
55	51.8	162.3	104,500*	55.4	164.7	109,700*	60.5	167.4	108,900b	65.3	169.3	105,900b										55
60	46.3	157.8	97,400*	50.2	160.7	99,900	55.6	164.2	97,200	60.7	166.6	94,600b										60
65	40.2	152.3	91,300*	44.6	156.0	90,100	50.4	160.3	87,700	55.8	163.4	85,400										65
70	33.2	145.3	83,300	38.2	150.1	81,900	44.8	155.5	79,800	50.6	159.5	77,600	59.2	163.6	74,100b							70
75	24.4	135.8	76,200	30.8	142.5	75,000	38.5	149.7	73,000	45.0	154.8	71,100	54.3	160.2	67,800							75
80	9.5	118.2	60,300*	21.1	131.7	69,000	31.1	142.2	67,200	38.7	149.0	65,400	48.9	156.1	62,400	57.5	159.7	59,400				80
85							21.6	131.6	62,100	31.4	141.6	60,500	43.2	151.1	57,700	52.5	156.1	55,000				85
90										21.9	131.2	56,100	36.6	144.9	53,600	47.0	151.7	51,000				90
95													28.8	136.8	50,000	41.0	146.3	47,600	50.3	150.9	45,200	95
100													18.1	124.7	46,600	34.1	139.5	44,500	44.7	146.1	42,300	100
105																25.6	130.4	41,600	38.3	140.3	39,600	105
110																12.2	114.9	39,000	30.9	132.7	37,200	110
115																			21.3	122.0	35,000	115

100 Ft. Boom, 80 Ft. Jib

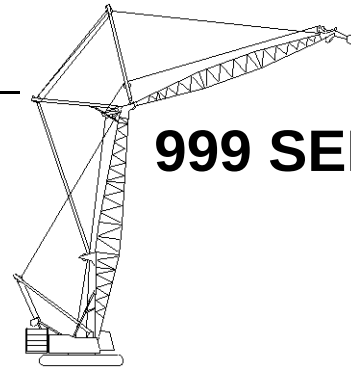
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	108,200b													55
60	57.6	183.3	93,100*	60.3	185.2	97,600*	64.0	187.5	96,600	67.6	189.0	93,800b										60
65	53.7	179.8	87,100*	56.5	182.1	89,600	60.4	184.7	87,100	64.1	186.7	84,600										65
70	49.6	175.8	81,900*	52.5	178.4	81,500	56.6	181.6	79,200	60.5	184.0	76,900										70
75	45.3	171.0	76,000	48.3	174.1	74,600	52.7	177.9	72,500	56.8	180.8	70,400										75
80	40.5	165.5	70,000	43.9	169.2	68,700	48.5	173.7	66,700	52.8	177.2	64,800	59.4	181.0	61,600							80
85	35.2	158.9	64,700	39.0	163.4	63,500	44.1	168.8	61,700	48.7	173.0	59,900	55.6	177.7	57,000							85
90	29.1	150.7	60,100	33.5	156.3	59,000	39.2	163.0	57,400	44.2	168.1	55,700	51.6	173.9	52,900							90
95	21.4	139.7	56,000	27.0	147.5	55,000	33.7	156.0	53,500	39.3	162.3	51,900	47.3	169.5	49,300	54.2	173.6	46,700				95
100	8.2	119.6	46,600*	18.5	135.0	51,400	27.3	147.2	50,000	33.9	155.4	48,600	42.8	164.3	46,100	50.1	169.6	43,700				100
105							18.9	135.0	46,900	27.5	146.7	45,500	37.8	158.3	43,200	45.8	165.0	41,000	52.6	168.5	38,700	105
110										19.2	134.6	42,800	32.1	150.9	40,600	41.1	159.5	38,500	48.4	164.3	36,400	110
115													25.3	141.4	38,300	35.9	153.0	36,200	43.9	159.4	34,300	115
120													15.8	127.4	36,000	29.9	145.1	34,200	39.1	153.5	32,300	120
125																22.4	134.5	32,300	33.6	146.5	30,500	125
130																10.7	116.7	30,500	27.1	137.7	28,900	130
135																			18.6	125.4	27,300	135

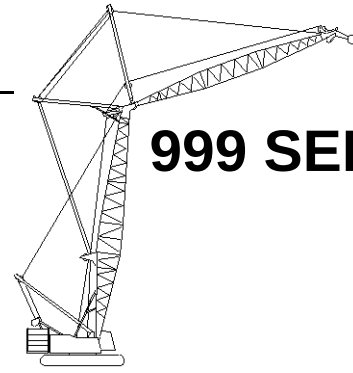


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 100 Ft. Jib

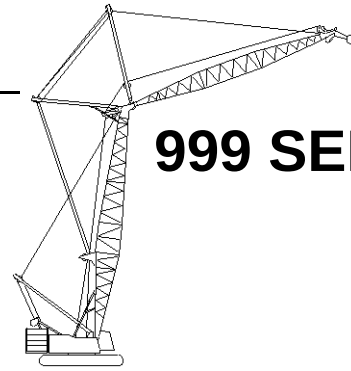
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 110 Ft. Jib

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

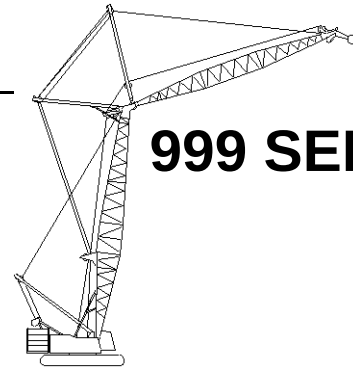


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 120 Ft. Jib

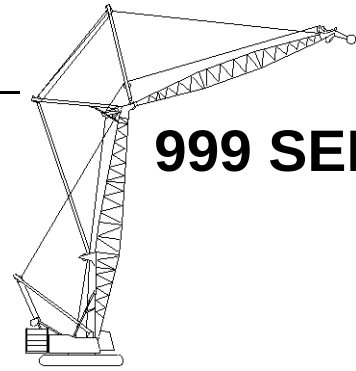
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	233.4	101,300*																			45
50	73.0	231.9	96,000*																			50
55	70.7	230.3	90,000*	72.3	231.2	94,400*																55
60	68.3	228.3	84,400*	70.0	229.4	88,500*																60
65	65.9	226.2	79,400*	67.6	227.4	83,200*	70.0	228.9	85,700													65
70	63.5	223.7	74,800*	65.2	225.2	78,200*	67.7	226.9	77,900													70
75	60.9	221.0	70,700*	62.7	222.7	73,500	65.3	224.7	71,200	67.8	226.1	68,900										75
80	58.4	218.0	66,900*	60.2	219.9	67,600	62.8	222.2	65,500	65.3	223.8	63,400										80
85	55.7	214.7	63,500*	57.6	216.8	62,500	60.3	219.4	60,500	62.9	221.4	58,600										85
90	53.0	211.1	59,200	54.9	213.4	58,000	57.7	216.3	56,200	60.4	218.6	54,300										90
95	50.2	207.0	55,200	52.2	209.6	54,100	55.0	212.9	52,300	57.8	215.5	50,600	62.1	218.5	47,800							95
100	47.2	202.5	51,600	49.3	205.4	50,500	52.3	209.2	48,900	55.1	212.1	47,300	59.6	215.6	44,600							100
105	44.1	197.5	48,400	46.3	200.8	47,400	49.4	205.0	45,900	52.4	208.4	44,300	57.0	212.4	41,800							105
110	40.8	192.0	45,500	43.1	195.7	44,600	46.4	200.4	43,100	49.5	204.2	41,700	54.3	209.0	39,300							110
115	37.3	185.7	42,900	39.7	189.9	42,000	43.2	195.3	40,600	46.5	199.7	39,200	51.5	205.1	36,900	56.0	208.5	34,700				115
120	33.4	178.5	40,200*	36.1	183.3	39,600	39.9	189.5	38,300	43.3	194.5	37,000	48.6	200.8	34,800	53.3	204.8	32,700				120
125	29.1	170.0	37,800*	32.1	175.8	37,500	36.3	183.0	36,200	40.0	188.8	35,000	45.6	196.1	32,900	50.5	200.8	30,900				125
130	24.0	159.8	35,900*	27.6	166.9	35,500	32.3	175.5	34,300	36.4	182.3	33,100	42.4	190.8	31,200	47.6	196.4	29,200	52.2	199.8	27,300	130
135	17.7	146.2	34,400*	22.3	155.9	33,700	27.8	166.7	32,600	32.4	174.9	31,400	38.9	184.8	29,500	44.5	191.5	27,700	49.3	195.6	25,800	135
140	6.7	121.9	28,200*	15.2	140.6	32,000	22.5	155.7	30,900	28.0	166.1	29,800	35.2	178.1	28,000	41.2	186.0	26,200	46.3	191.0	24,500	140
145							15.6	140.8	29,300	22.7	155.2	28,300	31.1	170.3	26,600	37.7	179.8	24,900	43.2	185.8	23,200	145
150										15.8	140.5	26,900	26.5	161.0	25,300	33.9	172.7	23,700	39.8	180.1	22,100	150
155													20.9	149.2	24,100	29.6	164.4	22,500	36.2	173.5	21,000	155
160													13.0	132.2	22,900	24.7	154.4	21,400	32.2	166.0	19,900	160
165																18.5	141.4	20,400	27.7	157.1	19,000	165
170																8.7	119.9	19,300	22.4	146.1	18,000	170
175																			15.4	131.0	17,200	175

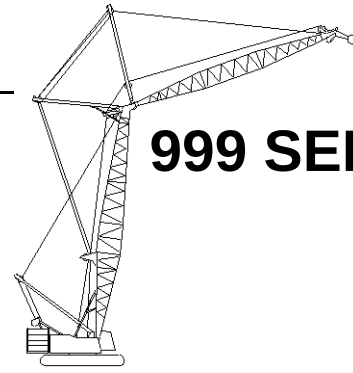


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 140 Ft. Jib

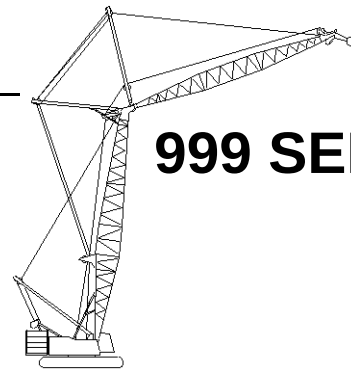
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	75.3	252.8	81,500*																			50
55	73.3	251.3	80,400*																			55
60	71.3	249.7	79,300*	72.7	250.6	83,200*																60
65	69.3	247.9	75,200*	70.7	248.9	78,600*																65
70	67.2	245.8	71,100*	68.7	247.0	74,300*	70.8	248.4	77,200													70
75	65.1	243.6	67,300*	66.6	244.9	70,300*	68.7	246.5	70,600													75
80	63.0	241.1	63,800*	64.5	242.6	66,500*	66.7	244.4	64,800													80
85	60.8	238.3	60,600*	62.3	240.0	61,900	64.6	242.0	59,900	66.7	243.5	57,900										85
90	58.6	235.4	57,700*	60.2	237.2	57,400	62.4	239.5	55,600	64.6	241.2	53,700										90
95	56.3	232.1	54,700	57.9	234.1	53,500	60.2	236.7	51,700	62.5	238.7	50,000										95
100	54.0	228.6	51,100	55.6	230.8	50,000	58.0	233.7	48,300	60.3	235.9	46,700										100
105	51.6	224.7	47,900	53.3	227.2	46,900	55.7	230.3	45,300	58.1	232.9	43,700	61.8	235.8	41,100							105
110	49.1	220.5	45,000	50.8	223.2	44,000	53.3	226.7	42,500	55.8	229.6	41,000	59.6	232.9	38,600							110
115	46.5	215.9	42,400	48.3	218.9	41,500	50.9	222.7	40,000	53.4	225.9	38,600	57.4	229.8	36,300							115
120	43.7	210.8	40,000	45.6	214.1	39,100	48.4	218.4	37,800	51.0	222.0	36,400	55.1	226.4	34,200							120
125	40.9	205.2	37,700*	42.9	208.9	37,000	45.8	213.7	35,700	48.5	217.7	34,400	52.7	222.7	32,300	56.6	225.8	30,200				125
130	37.8	199.0	35,400*	40.0	203.1	35,000	43.0	208.5	33,800	45.8	213.0	32,600	50.2	218.6	30,500	54.3	222.3	28,500				130
135	34.6	192.0	33,400*	36.9	196.7	33,200	40.1	202.8	32,000	43.1	207.8	30,900	47.7	214.2	28,900	51.8	218.5	27,000				135
140	31.0	184.1	31,500*	33.5	189.5	31,600	37.0	196.4	30,400	40.2	202.1	29,300	45.0	209.4	27,400	49.4	214.3	25,600				140
145	27.0	174.9	29,900*	29.8	181.2	30,000	33.7	189.2	28,900	37.1	195.7	27,800	42.2	204.0	26,000	46.8	209.8	24,200	50.9	213.3	22,500	145
150	22.3	163.8	28,700*	25.6	171.5	28,600	30.0	181.0	27,500	33.8	188.5	26,500	39.3	198.1	24,700	44.1	204.7	23,000	48.3	209.0	21,400	150
155	16.4	149.1	27,200*	20.7	159.5	27,200	25.8	171.3	26,200	30.1	180.4	25,200	36.1	191.5	23,500	41.2	199.2	21,900	45.7	204.3	20,300	155
160	6.2	122.9	22,200*	14.1	143.1	25,900	20.9	159.5	25,000	26.0	170.8	24,000	32.7	184.1	22,400	38.2	193.1	20,800	42.9	199.1	19,300	160
165							14.4	143.3	23,800	21.1	159.0	22,900	28.9	175.5	21,300	35.0	186.2	19,800	40.0	193.3	18,300	165
170										14.7	143.1	21,800	24.6	165.4	20,300	31.4	178.4	18,900	36.9	186.9	17,400	170
175													19.4	152.7	19,400	27.5	169.4	18,000	33.6	179.7	16,600	175
180													12.1	134.3	18,500	22.9	158.5	17,100	29.9	171.4	15,800	180
185																17.2	144.4	16,300	25.7	161.8	15,000	185
190																8.1	121.2	15,500	20.8	149.8	14,300	190
195																			14.3	133.5	13,600	195

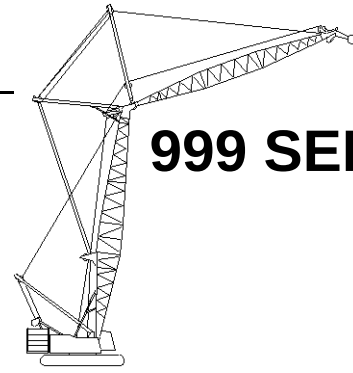


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 160 Ft. Jib

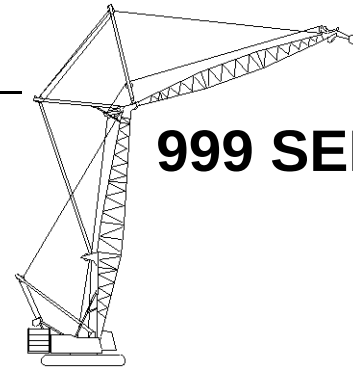
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	70,100													75
80	64.8	252.3	62,200*	66.2	253.6	64,900*	68.2	255.2	64,400													80
85	62.8	249.7	59,100*	64.2	251.3	61,500	66.3	253.1	59,400													85
90	60.8	247.0	56,300*	62.2	248.7	57,000	64.3	250.7	55,100	66.3	252.3	53,200										90
95	58.7	244.0	53,600*	60.1	245.9	53,100	62.3	248.2	51,300	64.4	249.9	49,500										95
100	56.6	240.8	50,700	58.0	242.8	49,600	60.2	245.4	47,900	62.3	247.4	46,200										100
105	54.4	237.3	47,500	55.9	239.5	46,500	58.1	242.3	44,800	60.3	244.6	43,200										105
110	52.1	233.5	44,700	53.7	235.9	43,600	56.0	239.0	42,100	58.2	241.5	40,600	61.7	244.5	38,000							110
115	49.8	229.4	42,000	51.4	232.0	41,100	53.8	235.5	39,600	56.1	238.3	38,200	59.7	241.6	35,800							115
120	47.4	224.9	39,700	49.1	227.8	38,700	51.5	231.6	37,300	53.9	234.7	36,000	57.5	238.5	33,700							120
125	44.9	220.0	37,500	46.6	223.2	36,600	49.2	227.4	35,300	51.6	230.8	34,000	55.4	235.1	31,800							125
130	42.3	214.7	35,400*	44.1	218.2	34,700	46.7	222.8	33,400	49.3	226.6	32,100	53.2	231.5	30,000	56.8	234.5	28,000				130
135	39.5	208.8	33,300*	41.5	212.7	32,900	44.2	217.8	31,600	46.8	222.0	30,400	50.9	227.5	28,400	54.6	231.1	26,400				135
140	36.6	202.3	31,400*	38.6	206.7	31,200	41.6	212.3	30,000	44.3	217.1	28,900	48.5	223.2	26,900	52.4	227.3	25,000				140
145	33.4	195.1	29,700*	35.6	199.9	29,600	38.8	206.3	28,500	41.6	211.6	27,400	46.1	218.5	25,500	50.1	223.2	23,700				145
150	30.0	186.8	28,200*	32.4	192.4	28,200	35.8	199.6	27,100	38.8	205.6	26,000	43.5	213.4	24,300	47.7	218.8	22,500	51.5	222.2	20,800	150
155	26.1	177.2	26,900*	28.8	183.8	26,900	32.5	192.1	25,800	35.9	198.9	24,800	40.8	207.8	23,100	45.2	213.9	21,400	49.1	218.0	19,700	155
160	21.6	165.7	25,800*	24.8	173.7	25,600	29.0	183.5	24,600	32.6	191.5	23,600	38.0	201.6	21,900	42.6	208.7	20,300	46.7	213.4	18,700	160
165	15.9	150.5	24,100*	20.0	161.3	24,400	25.0	173.5	23,500	29.1	183.0	22,500	34.9	194.7	20,900	39.8	202.9	19,300	44.2	208.4	17,800	165
170	6.0	123.4	19,600*	13.7	144.3	23,300	20.2	161.2	22,400	25.1	173.0	21,400	31.6	186.9	19,900	36.9	196.4	18,400	41.5	202.9	16,900	170
175							14.0	144.5	21,300	20.4	160.8	20,400	27.9	178.0	19,000	33.8	189.3	17,500	38.7	196.8	16,100	175
180										14.2	144.3	19,500	23.8	167.5	18,100	30.4	181.2	16,700	35.7	190.1	15,300	180
185													18.7	154.3	17,200	26.6	171.8	15,900	32.5	182.6	14,500	185
190													11.7	135.3	16,400	22.1	160.5	15,100	28.9	174.0	13,800	190
195																16.6	145.9	14,400	24.9	164.0	13,200	195
200																7.8	121.9	13,700	20.1	151.6	12,500	200
205																			13.8	134.7	11,900	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 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	64,000													80
85	64.5	260.9	57,800*	65.8	262.3	60,200*	67.7	264.0	59,100													85
90	62.6	258.4	55,100*	64.0	259.9	56,700	65.9	261.8	54,800	67.8	263.2	52,800										90
95	60.7	255.7	52,600*	62.1	257.3	52,800	64.0	259.4	50,900	66.0	261.0	49,100										95
100	58.8	252.7	50,200*	60.1	254.5	49,300	62.1	256.8	47,500	64.1	258.6	45,800										100
105	56.8	249.5	47,200	58.2	251.5	46,100	60.2	254.0	44,500	62.2	256.0	42,900										105
110	54.7	246.0	44,300	56.1	248.2	43,300	58.2	251.0	41,700	60.3	253.2	40,200										110
115	52.6	242.3	41,700	54.1	244.7	40,700	56.2	247.7	39,300	58.3	250.2	37,800	61.6	253.1	35,400							115
120	50.4	238.3	39,400	52.0	240.8	38,400	54.2	244.2	37,000	56.3	246.9	35,600	59.7	250.3	33,300							120
125	48.2	233.9	37,200	49.8	236.7	36,300	52.0	240.4	34,900	54.2	243.4	33,600	57.7	247.2	31,400							125
130	45.9	229.2	35,200	47.5	232.2	34,300	49.9	236.3	33,000	52.1	239.6	31,800	55.7	243.8	29,600							130
135	43.5	224.0	33,300*	45.2	227.4	32,500	47.6	231.8	31,300	49.9	235.5	30,100	53.6	240.2	28,000	57.0	243.2	26,000				135
140	40.9	218.4	31,400*	42.7	222.1	30,900	45.3	227.0	29,700	47.7	231.1	28,500	51.5	236.3	26,600	55.0	239.8	24,600				140
145	38.3	212.3	29,700*	40.1	216.4	29,300	42.8	221.7	28,200	45.3	226.2	27,100	49.3	232.1	25,200	52.9	236.1	23,300				145
150	35.4	205.5	28,100*	37.4	210.1	27,900	40.3	216.0	26,800	42.9	221.0	25,700	47.0	227.6	23,900	50.7	232.1	22,100				150
155	32.4	198.0	26,700*	34.5	203.1	26,600	37.5	209.7	25,500	40.3	215.3	24,500	44.6	222.6	22,700	48.5	227.8	21,000	52.0	231.0	19,300	155
160	29.0	189.4	25,500*	31.4	195.2	25,300	34.7	202.7	24,300	37.6	209.0	23,300	42.1	217.2	21,600	46.2	223.1	19,900	49.8	226.9	18,300	160
165	25.3	179.5	24,400*	27.9	186.3	24,100	31.5	194.9	23,200	34.7	202.1	22,200	39.5	211.4	20,500	43.8	218.0	19,000	47.5	222.4	17,400	165
170	20.9	167.5	23,300*	24.0	175.8	23,000	28.1	186.0	22,100	31.6	194.3	21,100	36.8	204.9	19,600	41.2	212.4	18,000	45.2	217.6	16,500	170
175	15.4	151.8	21,300*	19.4	163.0	22,000	24.2	175.7	21,100	28.2	185.5	20,200	33.8	197.7	18,600	38.6	206.4	17,100	42.8	212.3	15,700	175
180	5.8	123.9	17,200*	13.2	145.4	20,900*	19.6	163.0	20,100	24.3	175.1	19,200	30.6	189.7	17,800	35.8	199.7	16,300	40.2	206.5	14,900	180
185							13.5	145.7	19,200				27.1	180.4	16,900	32.7	192.2	15,500	37.5	200.2	14,200	185
190													23.0	169.5	16,100	29.4	183.8	14,800	34.6	193.3	13,500	190
195													18.1	155.9	15,400	25.7	174.0	14,100	31.5	185.4	12,800	195
200													11.3	136.3	14,600	21.5	162.4	13,400	28.0	176.5	12,200	200
205																16.1	147.3	12,800	24.1	166.1	11,600	205
210																7.6	122.5	12,100	19.5	153.3	11,000	210
215																			13.4	135.9	10,400	215

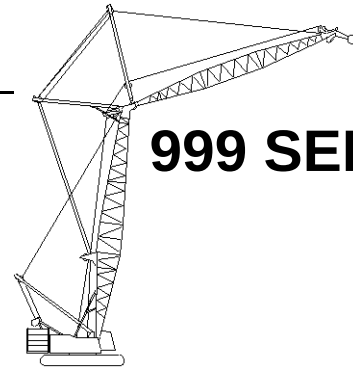


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 180 Ft. Jib

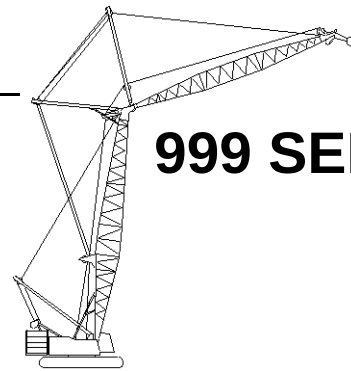
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	58,600													85
90	64.3	269.6	53,700*	65.5	271.0	55,900*	67.3	272.7	54,300													90
95	62.5	267.1	51,200*	63.7	268.6	52,400	65.6	270.5	50,500	67.4	271.9	48,600										95
100	60.7	264.3	48,900*	62.0	266.0	48,900	63.8	268.1	47,100	65.6	269.7	45,300										100
105	58.8	261.4	46,800*	60.1	263.2	45,700	62.0	265.5	44,000	63.9	267.3	42,400										105
110	56.9	258.2	44,000	58.3	260.2	42,900	60.2	262.7	41,300	62.1	264.7	39,700										110
115	55.0	254.7	41,300	56.4	256.9	40,300	58.3	259.7	38,800	60.3	261.9	37,300										115
120	53.0	251.1	39,000	54.4	253.4	38,000	56.4	256.4	36,600	58.4	258.9	35,100	61.5	261.8	32,800							120
125	51.0	247.1	36,800	52.4	249.6	35,900	54.5	252.9	34,500	56.5	255.6	33,100	59.7	258.9	30,900							125
130	48.9	242.8	34,800	50.4	245.6	33,900	52.5	249.2	32,600	54.6	252.1	31,300	57.8	255.8	29,100							130
135	46.8	238.2	33,000	48.3	241.2	32,100	50.5	245.1	30,900	52.6	248.4	29,600	55.9	252.5	27,500							135
140	44.5	233.3	31,300*	46.1	236.5	30,500	48.4	240.8	29,300	50.5	244.4	28,100	54.0	249.0	26,100	57.2	251.9	24,100				140
145	42.2	227.9	29,600*	43.8	231.4	28,900	46.2	236.1	27,800	48.4	240.0	26,600	52.0	245.1	24,700	55.2	248.5	22,800				145
150	39.7	222.1	28,100*	41.4	225.9	27,500	43.9	231.0	26,400	46.2	235.4	25,300	49.9	241.0	23,400	53.3	244.8	21,600				150
155	37.1	215.7	26,600*	39.0	219.9	26,200	41.5	225.5	25,100	44.0	230.3	24,000	47.8	236.6	22,200	51.2	240.9	20,500				155
160	34.4	208.6	25,200*	36.3	213.3	24,900	39.1	219.6	23,900	41.6	224.8	22,800	45.6	231.8	21,100	49.2	236.7	19,400	52.5	239.8	17,800	160
165	31.4	200.8	23,900*	33.5	206.1	23,800	36.4	213.0	22,800	39.1	218.9	21,700	43.3	226.6	20,100	47.0	232.1	18,400	50.4	235.7	16,900	165
170	28.2	191.9	22,700*	30.5	197.9	22,700	33.6	205.8	21,700	36.5	212.3	20,700	40.9	221.0	19,100	44.8	227.2	17,500	48.3	231.4	16,000	170
175	24.6	181.6	21,600*	27.1	188.7	21,600	30.6	197.7	20,700	33.7	205.1	19,700	38.4	214.9	18,200	42.5	221.9	16,700	46.1	226.7	15,200	175
180	20.3	169.3	20,500*	23.3	177.9	20,600	27.3	188.5	19,700	30.7	197.1	18,800	35.7	208.1	17,300	40.0	216.1	15,800	43.9	221.6	14,400	180
185	14.9	153.1	18,700*	18.8	164.6	19,700	23.5	177.7	18,800	27.4	187.9	17,900	32.8	200.7	16,500	37.5	209.8	15,100	41.5	216.1	13,700	185
190	5.6	124.4	15,000*	12.8	146.5	18,300*	19.0	164.6	18,000	23.6	177.2	17,100	29.7	192.3	15,700	34.7	202.8	14,300	39.0	210.1	13,000	190
195							13.1	146.8	17,100	19.2	164.2	16,300	26.3	182.7	15,000	31.8	195.1	13,600	36.4	203.5	12,300	195
200										13.4	146.6	15,600	22.4	171.5	14,300	28.6	186.3	13,000	33.6	196.3	11,700	200
205													17.6	157.4	13,600	25.0	176.2	12,300	30.5	188.2	11,100	205
210													11.0	137.2	12,900	20.8	164.2	11,700	27.2	178.9	10,500	210
215																15.6	148.6	11,100	23.4	168.2	10,000	215
220																7.4	123.1	10,500	18.9	155.0	9,400	220
225																			13.0	137.0	8,900	225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.4	291.5	52,900*																			60
65	73.8	290.1	52,500*																			65
70	72.2	288.5	52,000*	73.3	289.4	59,000*																70
75	70.6	286.8	51,600*	71.7	287.8	59,000*																75
80	69.0	284.9	51,200*	70.1	286.0	58,500*																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	54,100													90
95	64.1	278.3	49,800*	65.2	279.7	51,800*	67.0	281.5	50,300													95
100	62.4	275.7	47,700*	63.6	277.3	48,600	65.3	279.2	46,900	67.0	280.6	45,100										100
105	60.6	273.0	45,600*	61.8	274.7	45,500	63.6	276.8	43,800	65.3	278.4	42,200										105
110	58.9	270.0	43,700*	60.1	271.8	42,700	61.9	274.2	41,100	63.7	276.0	39,500										110
115	57.1	266.9	41,100	58.4	268.8	40,100	60.2	271.3	38,600	62.0	273.4	37,100										115
120	55.3	263.5	38,800	56.6	265.6	37,800	58.4	268.3	36,400	60.2	270.5	34,900										120
125	53.4	259.8	36,600	54.7	262.1	35,700	56.6	265.1	34,300	58.5	267.5	32,900	61.4	270.4	30,600							125
130	51.5	255.9	34,600	52.8	258.4	33,700	54.8	261.6	32,400	56.7	264.3	31,100	59.7	267.6	28,900							130
135	49.5	251.8	32,800	50.9	254.4	31,900	52.9	257.9	30,700	54.9	260.9	29,400	57.9	264.5	27,300							135
140	47.5	247.3	31,100	48.9	250.2	30,300	51.0	254.0	29,100	53.0	257.2	27,800	56.1	261.2	25,800							140
145	45.4	242.5	29,500	46.9	245.6	28,700	49.0	249.7	27,600	51.1	253.2	26,400	54.3	257.7	24,500	57.3	260.6	22,600				145
150	43.3	237.3	27,800*	44.8	240.7	27,300	47.0	245.2	26,200	49.1	249.0	25,100	52.4	253.9	23,200	55.5	257.2	21,400				150
155	41.0	231.7	26,300*	42.6	235.4	26,000	44.9	240.2	24,900	47.0	244.4	23,800	50.5	249.9	22,000	53.6	253.6	20,300				155
160	38.6	225.6	25,000*	40.3	229.6	24,700	42.7	235.0	23,700	44.9	239.5	22,600	48.5	245.5	20,900	51.7	249.7	19,200				160
165	36.1	218.9	23,600*	37.9	223.4	23,600	40.4	229.2	22,600	42.7	234.2	21,500	46.4	240.9	19,900	49.8	245.6	18,200	52.9	248.5	16,600	165
170	33.4	211.6	22,400*	35.3	216.5	22,500	38.0	223.0	21,500	40.5	228.5	20,500	44.3	235.9	18,900	47.8	241.1	17,300	51.0	244.6	15,800	170
175	30.6	203.5	21,300*	32.6	209.0	21,400	35.4	216.2	20,500	38.0	222.3	19,500	42.1	230.5	18,000	45.7	236.4	16,400	49.0	240.3	14,900	175
180	27.4	194.3	20,200*	29.6	200.6	20,500	32.7	208.7	19,500	35.5	215.5	18,600	39.7	224.6	17,100	43.5	231.2	15,600	46.9	235.7	14,200	180
185	23.9	183.7	19,200*	26.4	191.0	19,500	29.8	200.3	18,700	32.8	208.1	17,800	37.3	218.2	16,300	41.3	225.7	14,900	44.8	230.8	13,400	185
190	19.7	171.0	18,300*	22.7	179.9	18,700	26.5	190.8	17,800	29.9	199.7	16,900	34.7	211.3	15,500	38.9	219.7	14,100	42.6	225.5	12,800	190
195	14.5	154.4	16,500*	18.3	166.2	17,800	22.9	179.8	17,000	26.6	190.3	16,200	31.9	203.5	14,800	36.4	213.1	13,400	40.3	219.8	12,100	195
200	5.5	124.8	13,200*	12.5	147.6	16,200*	18.5	166.2	16,200	23.0	179.2	15,400	28.9	194.9	14,100	33.8	205.9	12,800	37.9	213.6	11,500	200
205							12.8	147.9	15,500	18.7	165.8	14,700	25.6	185.0	13,400	30.9	197.8	12,100	35.4	206.7	10,900	205
210										13.0	147.7	14,000	21.8	173.4	12,800	27.8	188.8	11,500	32.6	199.2	10,300	210
215													17.1	158.9	12,200	24.3	178.4	11,000	29.7	190.8	9,800	215
220													10.7	138.1	11,600	20.3	166.0	10,400	26.4	181.3	9,300	220
225																15.2	150.0	9,900	22.8	170.2	8,800	225
230																7.1	123.7	9,300	18.4	156.6	8,300	230
235																			12.6	138.1	7,800	235

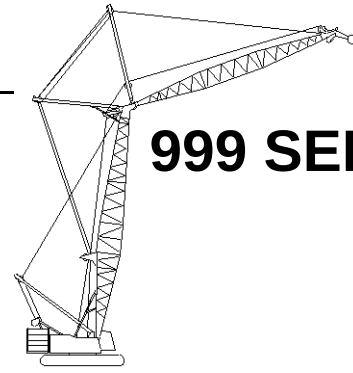


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 200 Ft. Jib

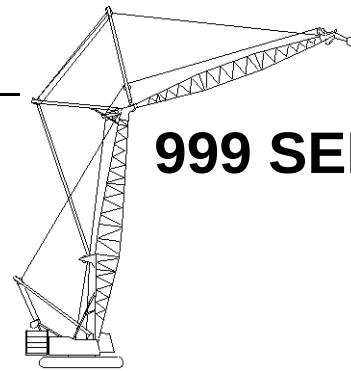
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	49,800													95
100	63.9	287.0	44,500*	65.0	288.4	48,200*	66.6	290.2	46,400													100
105	62.3	284.4	44,100*	63.4	286.0	45,100	65.0	287.9	43,400	66.7	289.4	41,700										105
110	60.6	281.6	42,300*	61.8	283.3	42,300	63.4	285.4	40,700	65.1	287.1	39,000										110
115	59.0	278.7	40,200*	60.1	280.5	39,700	61.8	282.8	38,200	63.5	284.6	36,600										115
120	57.3	275.5	38,300*	58.4	277.5	37,400	60.2	280.0	35,900	61.9	282.0	34,500										120
125	55.5	272.2	36,200	56.7	274.3	35,300	58.5	277.0	33,900	60.2	279.2	32,500	63.0	281.8	30,100							125
130	53.8	268.6	34,200	55.0	270.8	33,300	56.8	273.8	32,000	58.6	276.2	30,600	61.4	279.1	28,400							130
135	52.0	264.7	32,400	53.2	267.2	31,500	55.1	270.4	30,200	56.9	273.0	28,900	59.7	276.2	26,800							135
140	50.1	260.6	30,700	51.4	263.3	29,900	53.3	266.7	28,600	55.1	269.6	27,400	58.0	273.2	25,300							140
145	48.2	256.3	28,900*	49.5	259.1	28,300	51.5	262.8	27,100	53.4	265.9	26,000	56.3	269.9	24,000							145
150	46.2	251.6	27,300*	47.6	254.6	26,900	49.6	258.6	25,800	51.5	262.0	24,600	54.6	266.4	22,700	57.5	269.2	20,900				150
155	44.2	246.5	25,800*	45.6	249.8	25,600	47.7	254.2	24,500	49.7	257.9	23,400	52.8	262.7	21,500	55.7	265.9	19,700				155
160	42.1	241.1	24,400*	43.6	244.7	24,300	45.7	249.4	23,300	47.8	253.4	22,200	51.0	258.7	20,400	54.0	262.3	18,700				160
165	39.9	235.3	23,100*	41.4	239.2	23,200	43.7	244.3	22,100	45.8	248.7	21,100	49.1	254.5	19,400	52.2	258.5	17,700				165
170	37.6	229.0	21,900*	39.2	233.2	22,100	41.5	238.8	21,100	43.7	243.6	20,100	47.2	249.9	18,400	50.3	254.5	16,800				170
175	35.2	222.1	20,800*	36.9	226.7	21,100	39.3	232.8	20,100	41.6	238.1	19,100	45.2	245.1	17,500	48.4	250.1	15,900	51.4	253.4	14,400	175
180	32.6	214.6	19,700*	34.4	219.6	20,100	37.0	226.4	19,100	39.4	232.1	18,200	43.1	239.8	16,700	46.5	245.5	15,100	49.6	249.2	13,700	180
185	29.8	206.2	18,700*	31.7	211.8	19,200	34.5	219.3	18,300	37.0	225.7	17,400	40.9	234.2	15,800	44.4	240.5	14,400	47.6	244.8	12,900	185
190	26.7	196.7	17,700*	28.9	203.2	18,300	31.8	211.6	17,400	34.6	218.7	16,500	38.7	228.1	15,100	42.3	235.1	13,600	45.7	240.0	12,200	190
195	23.3	185.8	16,800*	25.7	193.3	17,400*	29.0	202.9	16,600	31.9	210.9	15,800	36.3	221.5	14,300	40.2	229.3	13,000	43.6	234.8	11,600	195
200	19.2	172.7	16,000*	22.1	181.8	16,500*	25.8	193.1	15,900	29.1	202.3	15,000	33.8	214.3	13,700	37.9	223.1	12,300	41.5	229.3	11,000	200
205	14.1	155.6	14,300*	17.8	167.8	15,700*	22.3	181.7	15,100	25.9	192.6	14,300	31.1	206.3	13,000	35.4	216.3	11,700	39.2	223.4	10,400	205
210	5.3	125.2	11,200*	12.2	148.6	14,100*	18.0	167.8	14,400	22.4	181.2	13,700	28.2	197.4	12,400	32.9	208.8	11,100	36.9	216.9	9,800	210
215							12.4	149.0	13,700	18.2	167.4	13,000	24.9	187.2	11,800	30.1	200.5	10,500	34.4	209.8	9,300	215
220										12.7	148.8	12,400	21.2	175.2	11,200	27.1	191.2	10,000	31.8	202.1	8,800	220
225													16.7	160.4	10,600	23.7	180.5	9,400	28.9	193.4	8,300	225
230													10.4	139.0	10,100	19.7	167.7	8,900	25.8	183.6	7,800	230
235																14.8	151.2	8,400	22.2	172.1	7,400	235
240																7.0	124.3	7,900	17.9	158.1	6,900	240
245																			12.3	139.1	6,500	245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	44,700	66.3	298.9	43,000	67.8	300.2	41,300										105
110	62.1	293.1	39,300*	63.2	294.6	41,900	64.8	296.6	40,300	66.4	298.1	38,700										110
115	60.6	290.3	38,900*	61.7	292.0	39,400	63.3	294.1	37,800	64.8	295.8	36,300										115
120	59.0	287.4	37,200*	60.1	289.2	37,000	61.7	291.5	35,600	63.3	293.3	34,100										120
125	57.4	284.2	35,500*	58.5	286.2	34,900	60.2	288.7	33,500	61.8	290.7	32,100										125
130	55.7	280.9	33,800*	56.9	283.0	33,000	58.6	285.7	31,600	60.2	287.9	30,300	62.9	290.5	28,000							130
135	54.1	277.3	32,100	55.2	279.5	31,200	57.0	282.5	29,900	58.6	284.9	28,600	61.3	287.8	26,400							135
140	52.4	273.5	30,400	53.6	275.9	29,500	55.3	279.1	28,300	57.0	281.7	27,000	59.7	284.9	25,000							140
145	50.6	269.5	28,700*	51.8	272.1	28,000	53.6	275.5	26,800	55.4	278.3	25,600	58.1	281.8	23,600							145
150	48.8	265.2	27,100*	50.1	268.0	26,600	51.9	271.6	25,400	53.7	274.7	24,200	56.5	278.6	22,300							150
155	47.0	260.6	25,500*	48.3	263.6	25,200	50.1	267.5	24,100	52.0	270.8	23,000	54.9	275.1	21,200	57.6	277.9	19,300				155
160	45.1	255.7	24,100*	46.4	258.9	24,000	48.3	263.1	22,900	50.2	266.8	21,800	53.2	271.5	20,100	55.9	274.6	18,300				160
165	43.1	250.5	22,800*	44.5	253.9	22,800	46.5	258.5	21,800	48.4	262.4	20,700	51.4	267.5	19,000	54.3	271.1	17,300				165
170	41.0	244.9	21,600*	42.5	248.6	21,800	44.5	253.5	20,700	46.5	257.8	19,700	49.7	263.4	18,100	52.6	267.3	16,400				170
175	38.9	238.9	20,400*	40.4	242.9	20,700	42.5	248.2	19,700	44.6	252.8	18,800	47.8	258.9	17,100	50.8	263.3	15,600				175
180	36.6	232.3	19,300*	38.2	236.7	19,800	40.5	242.5	18,800	42.6	247.5	17,900	45.9	254.2	16,300	49.0	259.0	14,700	51.9	262.2	13,200	180
185	34.3	225.2	18,300*	35.9	230.0	18,800	38.3	236.3	17,900	40.5	241.8	17,000	44.0	249.1	15,500	47.2	254.5	14,000	50.1	258.1	12,500	185
190	31.7	217.4	17,300*	33.5	222.7	18,000	36.0	229.6	17,100	38.4	235.6	16,200	42.0	243.7	14,700	45.3	249.7	13,300	48.3	253.7	11,800	190
195	29.0	208.8	16,400*	30.9	214.6	17,000*	33.6	222.3	16,300	36.1	229.0	15,400	39.9	237.9	14,000	43.3	244.5	12,600	46.4	249.1	11,200	195
200	26.0	199.0	15,600*	28.1	205.7	16,100*	31.0	214.3	15,500	33.7	221.7	14,700	37.7	231.6	13,300	41.3	238.9	11,900	44.5	244.1	10,600	200
205	22.7	187.8	14,800*	25.1	195.5	15,300*	28.3	205.4	14,800	31.1	213.7	14,000	35.4	224.7	12,600	39.1	232.9	11,300	42.5	238.8	10,000	205
210	18.8	174.3	14,000*	21.6	183.7	14,500*	25.2	195.3	14,100	28.4	204.8	13,300	32.9	217.3	12,000	36.9	226.4	10,700	40.4	233.0	9,400	210
215	13.8	156.8	12,400*	17.4	169.3	13,700*	21.7	183.6	13,500	25.3	194.8	12,700	30.3	209.0	11,400	34.6	219.4	10,100	38.3	226.8	8,900	215
220	5.2	125.7	9,500*	11.9	149.7	12,200*	17.6	169.3	12,800	21.8	183.1	12,100	27.5	199.8	10,800	32.0	211.7	9,600	36.0	220.2	8,400	220
225							12.1	150.0	12,200	17.7	169.0	11,500	24.3	189.4	10,300	29.3	203.1	9,100	33.6	212.9	7,900	225
230										12.3	149.9	10,900	20.7	177.1	9,800	26.4	193.5	8,600	31.0	204.8	7,500	230
235													16.3	161.8	9,200	23.1	182.5	8,100	28.2	195.9	7,000	235
240													10.1	139.9	8,700	19.3	169.4	7,700	25.1	185.8	6,600	240
245																14.4	152.5	7,200	21.6	174.0	6,200	245
250																6.8	124.9	6,700	17.5	159.7	5,800	250
255																			12.0	140.1	5,400	255

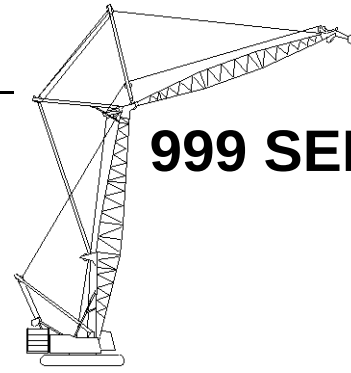


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



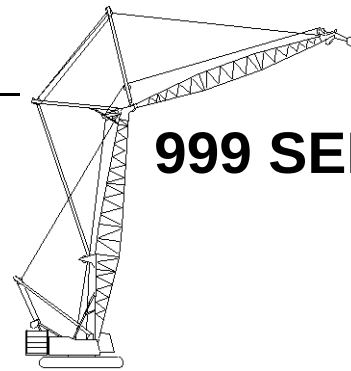
100 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	38,200										110
115	62.0	301.7	35,000*	63.1	303.3	39,000	64.6	305.3	37,400	66.1	306.8	35,800										115
120	60.6	299.0	34,600*	61.6	300.7	36,600	63.1	302.8	35,100	64.6	304.5	33,600										120
125	59.0	296.0	34,300*	60.1	297.8	34,500	61.7	300.1	33,100	63.2	302.0	31,600										125
130	57.5	292.9	32,900*	58.6	294.8	32,600	60.2	297.3	31,200	61.7	299.3	29,800										130
135	55.9	289.6	31,400*	57.0	291.6	30,800	58.6	294.3	29,400	60.2	296.5	28,100	62.7	299.1	25,900							135
140	54.4	286.0	29,900*	55.5	288.3	29,100	57.1	291.1	27,800	58.7	293.5	26,600	61.3	296.4	24,500							140
145	52.7	282.3	28,200*	53.9	284.7	27,600	55.5	287.8	26,400	57.2	290.4	25,100	59.8	293.6	23,100							145
150	51.1	278.3	26,500*	52.2	280.9	26,200	53.9	284.2	25,000	55.6	287.0	23,800	58.2	290.5	21,800							150
155	49.4	274.1	25,000*	50.6	276.8	24,800	52.3	280.4	23,700	54.0	283.4	22,600	56.7	287.3	20,700							155
160	47.6	269.6	23,600*	48.8	272.5	23,600	50.6	276.4	22,500	52.3	279.6	21,400	55.1	283.8	19,600	57.7	286.6	17,800				160
165	45.8	264.9	22,300*	47.1	268.0	22,400	48.9	272.1	21,400	50.7	275.6	20,300	53.5	280.2	18,500	56.1	283.3	16,800				165
170	44.0	259.8	21,000*	45.3	263.1	21,400	47.1	267.5	20,300	49.0	271.3	19,300	51.8	276.3	17,600	54.5	279.8	15,900				170
175	42.0	254.4	19,900*	43.4	257.9	20,300	45.3	262.7	19,300	47.2	266.8	18,300	50.2	272.3	16,700	52.9	276.1	15,000				175
180	40.0	248.6	18,800*	41.4	252.4	19,400	43.5	257.5	18,400	45.4	262.0	17,400	48.4	267.9	15,800	51.3	272.1	14,200				180
185	38.0	242.3	17,800*	39.4	246.4	18,500	41.5	252.0	17,500	43.5	256.8	16,600	46.7	263.3	15,000	49.6	268.0	13,500	52.3	271.0	12,000	185
190	35.8	235.6	16,800*	37.3	240.1	17,500*	39.5	246.1	16,700	41.6	251.3	15,800	44.8	258.3	14,200	47.8	263.5	12,800	50.6	267.0	11,300	190
195	33.5	228.2	15,900*	35.1	233.1	16,500*	37.4	239.7	15,900	39.6	245.4	15,000	42.9	253.1	13,500	46.0	258.8	12,100	48.9	262.7	10,700	195
200	31.0	220.2	15,000*	32.7	225.6	15,600*	35.2	232.8	15,100	37.5	239.0	14,300	41.0	247.4	12,800	44.2	253.7	11,400	47.1	258.1	10,100	200
205	28.3	211.3	14,200*	30.2	217.3	14,800*	32.8	225.3	14,400	35.2	232.1	13,600	38.9	241.4	12,200	42.3	248.4	10,800	45.3	253.3	9,500	205
210	25.4	201.3	13,400*	27.5	208.1	13,900*	30.3	217.0	13,700	32.9	224.7	12,900	36.8	234.9	11,600	40.3	242.6	10,200	43.4	248.1	8,900	210
215	22.1	189.7	12,700*	24.5	197.7	13,200*	27.6	207.9	13,100	30.4	216.4	12,300	34.5	227.8	11,000	38.2	236.4	9,700	41.5	242.6	8,400	215
220	18.3	175.9	12,000*	21.1	185.6	12,500*	24.6	197.5	12,500	27.7	207.3	11,700	32.2	220.2	10,400	36.0	229.7	9,100	39.5	236.6	7,900	220
225	13.5	158.0	10,500*	17.0	170.8	11,800*	21.2	185.5	11,900	24.7	197.0	11,100	29.6	211.7	9,900	33.7	222.4	8,600	37.3	230.2	7,400	225
230	5.0	126.1	7,800*	11.6	150.7	10,300*	17.2	170.8	11,300	21.3	185.0	10,600	26.8	202.2	9,300	31.3	214.5	8,100	35.1	223.3	7,000	230
235							11.8	151.0	10,700	17.3	170.5	10,000	23.7	191.5	8,800	28.6	205.7	7,700	32.8	215.8	6,500	235
240										12.1	150.9	9,500	20.2	178.8	8,400	25.8	195.8	7,200	30.2	207.5	6,100	240
245													15.9	163.2	7,900	22.5	184.5	6,800	27.5	198.3	5,700	245
250													9.9	140.7	7,400	18.8	171.0	6,400	24.5	188.0	5,300	250
255																14.1	153.7	5,900	21.1	175.9	4,900	255
260																6.6	125.4	5,500	17.1	161.1	4,600	260
265																			11.7	141.1	4,200	265

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	37,000	67.2	317.7	35,500										115
120	62.0	310.4	32,800*	62.9	312.0	36,300	64.4	314.0	34,800	65.8	315.5	33,300										120
125	60.5	307.6	31,400*	61.5	309.3	34,200	63.0	311.5	32,700	64.4	313.2	31,300										125
130	59.1	304.7	30,100*	60.1	306.5	32,300	61.6	308.8	30,900	63.0	310.7	29,500										130
135	57.6	301.6	28,900*	58.6	303.5	30,500	60.2	306.0	29,100	61.6	308.0	27,800										135
140	56.1	298.3	27,600*	57.2	300.3	28,800	58.7	303.0	27,500	60.2	305.2	26,300	62.6	307.8	24,100							140
145	54.6	294.8	26,500*	55.7	297.0	27,300	57.2	299.8	26,100	58.8	302.2	24,800	61.2	305.1	22,800							145
150	53.1	291.1	25,300*	54.1	293.4	25,900	55.7	296.5	24,700	57.3	299.0	23,500	59.8	302.2	21,500							150
155	51.5	287.2	24,200*	52.6	289.6	24,500	54.2	292.9	23,400	55.8	295.7	22,200	58.3	299.2	20,400							155
160	49.9	283.0	23,200*	51.0	285.7	23,300	52.6	289.2	22,200	54.3	292.2	21,100	56.8	296.0	19,300							160
165	48.2	278.6	21,900*	49.4	281.4	22,100	51.1	285.2	21,100	52.7	288.4	20,000	55.3	292.6	18,200	57.8	295.3	16,500				165
170	46.5	274.0	20,600*	47.7	277.0	21,100	49.4	281.0	20,000	51.1	284.4	19,000	53.8	289.0	17,300	56.3	292.0	15,600				170
175	44.7	269.0	19,500*	46.0	272.2	20,000	47.8	276.5	19,000	49.5	280.2	18,000	52.2	285.1	16,400	54.8	288.5	14,700				175
180	42.9	263.7	18,400*	44.2	267.2	19,100	46.0	271.8	18,100	47.8	275.8	17,100	50.6	281.1	15,500	53.2	284.8	13,900				180
185	41.1	258.1	17,400*	42.4	261.8	18,100*	44.3	266.8	17,200	46.1	271.1	16,300	49.0	276.8	14,700	51.7	281.0	13,200				185
190	39.1	252.1	16,400*	40.5	256.1	17,100*	42.5	261.4	16,400	44.3	266.0	15,500	47.3	272.3	13,900	50.0	276.8	12,500	52.6	279.8	11,000	190
195	37.1	245.7	15,500*	38.5	250.0	16,100*	40.6	255.7	15,600	42.5	260.7	14,700	45.6	267.5	13,200	48.4	272.5	11,800	51.0	275.8	10,400	195
200	34.9	238.7	14,600*	36.4	243.4	15,200*	38.6	249.6	14,800	40.6	255.0	14,000	43.8	262.4	12,500	46.7	267.8	11,100	49.4	271.6	9,800	200
205	32.7	231.2	13,800*	34.3	236.2	14,400*	36.5	243.0	14,100	38.7	248.9	13,300	41.9	256.9	11,900	45.0	262.9	10,500	47.7	267.1	9,200	205
210	30.3	222.9	13,000*	32.0	228.5	13,600*	34.4	235.9	13,500	36.6	242.3	12,600	40.0	251.1	11,300	43.1	257.7	9,900	46.0	262.4	8,600	210
215	27.7	213.7	12,300*	29.5	220.0	12,800*	32.1	228.2	12,800	34.4	235.2	12,000	38.0	244.9	10,700	41.3	252.1	9,400	44.2	257.3	8,100	215
220	24.8	203.5	11,600*	26.9	210.5	12,100*	29.6	219.7	12,200	32.1	227.5	11,400	36.0	238.2	10,100	39.3	246.2	8,900	42.4	252.0	7,600	220
225	21.6	191.6	10,900*	23.9	199.8	11,400*	27.0	210.3	11,600	29.7	219.1	10,800	33.8	230.9	9,600	37.3	239.8	8,300	40.5	246.3	7,100	225
230	17.9	177.5	10,300*	20.6	187.4	10,700*	24.0	199.6	11,000	27.1	209.7	10,300	31.4	223.0	9,100	35.2	232.9	7,900	38.5	240.1	6,700	230
235	13.2	159.1	8,800*	16.6	172.2	10,100*	20.7	187.3	10,500	24.1	199.1	9,800	28.9	214.3	8,600	33.0	225.4	7,400	36.5	233.5	6,200	235
240	4.9	126.5	6,400*	11.3	151.6	8,700*	16.8	172.3	10,000	20.8	186.8	9,300	26.2	204.5	8,100	30.6	217.2	7,000	34.3	226.4	5,800	240
245							11.6	152.0	9,300*	16.9	171.9	8,800	23.2	193.5	7,600	28.0	208.2	6,500	32.0	218.7	5,400	245
250										11.8	151.9	8,300	19.7	180.6	7,200	25.2	198.1	6,100	29.6	210.2	5,000	250
255													15.5	164.5	6,800	22.0	186.4	5,700	26.9	200.7	4,700	255
260													9.7	141.5	6,300	18.4	172.6	5,300	24.0	190.1	4,300	260
265																13.8	154.9	4,900				265
270																6.5	126.0	4,500				270

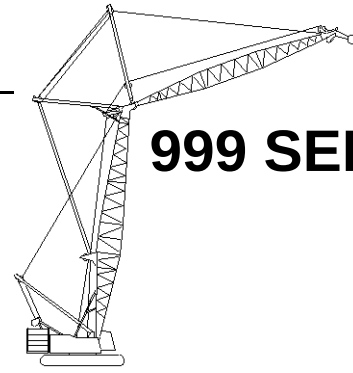


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



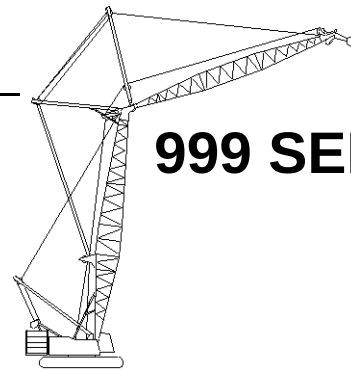
100 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	32,800										120
125	61.9	319.1	29,300*	62.8	320.7	33,800	64.2	322.7	32,300	65.6	324.2	30,800										125
130	60.5	316.3	29,000*	61.5	318.0	31,900	62.9	320.1	30,400	64.3	321.9	29,000										130
135	59.1	313.3	27,900*	60.1	315.1	30,100	61.5	317.5	28,700	62.9	319.3	27,400										135
140	57.7	310.2	26,800*	58.7	312.2	28,400	60.1	314.6	27,100	61.6	316.7	25,800										140
145	56.3	306.9	25,700*	57.3	309.0	26,900	58.8	311.7	25,600	60.2	313.9	24,400	62.5	316.5	22,300							145
150	54.8	303.5	24,700*	55.9	305.7	25,500	57.3	308.5	24,300	58.8	310.9	23,000	61.1	313.7	21,000							150
155	53.4	299.8	23,700*	54.4	302.1	24,100	55.9	305.2	23,000	57.4	307.7	21,800	59.8	310.9	19,900							155
160	51.9	296.0	22,700*	52.9	298.4	22,900	54.5	301.7	21,800	56.0	304.4	20,600	58.4	307.8	18,800							160
165	50.3	291.9	21,400*	51.4	294.5	21,800	53.0	297.9	20,700	54.5	300.9	19,600	57.0	304.6	17,800							165
170	48.7	287.6	20,100*	49.8	290.3	20,700	51.4	294.0	19,600	53.0	297.2	18,500	55.5	301.3	16,800	57.9	303.9	15,100				170
175	47.1	283.0	19,000*	48.2	285.9	19,600	49.9	289.9	18,600	51.5	293.3	17,600	54.0	297.7	15,900	56.5	300.7	14,200				175
180	45.5	278.2	17,900*	46.6	281.3	18,600*	48.3	285.5	17,700	49.9	289.1	16,700	52.6	293.9	15,000	55.0	297.2	13,400				180
185	43.7	273.0	16,900*	44.9	276.4	17,600*	46.7	280.9	16,800	48.4	284.8	15,800	51.0	289.9	14,200	53.5	293.6	12,700				185
190	42.0	267.6	15,900*	43.2	271.2	16,500*	45.0	276.0	16,000	46.7	280.1	15,000	49.5	285.7	13,500	52.0	289.8	12,000				190
195	40.2	261.8	15,000*	41.4	265.6	15,600*	43.3	270.8	15,200	45.1	275.2	14,300	47.9	281.3	12,800	50.5	285.7	11,300	52.9	288.6	9,900	195
200	38.3	255.6	14,100*	39.6	259.7	14,700*	41.5	265.2	14,400	43.3	270.0	13,600	46.2	276.6	12,100	48.9	281.4	10,600	51.4	284.6	9,300	200
205	36.3	249.0	13,300*	37.7	253.4	13,800*	39.7	259.3	13,700	41.6	264.5	12,900	44.5	271.6	11,400	47.3	276.9	10,000	49.9	280.5	8,700	205
210	34.2	241.8	12,500*	35.6	246.6	13,000*	37.7	253.0	13,100	39.7	258.6	12,200	42.8	266.3	10,800	45.7	272.1	9,500	48.3	276.1	8,100	210
215	32.0	234.0	11,800*	33.5	239.2	12,300*	35.7	246.2	12,400	37.8	252.3	11,600	41.0	260.7	10,200	43.9	267.0	8,900	46.6	271.5	7,600	215
220	29.6	225.5	11,100*	31.3	231.3	11,500*	33.6	238.9	11,800	35.8	245.6	11,000	39.1	254.7	9,700	42.2	261.6	8,400	45.0	266.5	7,100	220
225	27.1	216.2	10,400*	28.9	222.5	10,800*	31.4	231.0	11,200	33.7	238.3	10,400	37.2	248.2	9,100	40.4	255.8	7,900	43.2	261.3	6,600	225
230	24.3	205.6	9,800*	26.3	212.8	10,200*	29.0	222.3	10,600	31.4	230.4	9,900	35.2	241.3	8,600	38.5	249.7	7,400	41.5	255.8	6,200	230
235	21.2	193.5	9,200*	23.4	201.9	9,600*	26.4	212.6	10,100	29.1	221.7	9,400	33.0	233.9	8,100	36.5	243.1	6,900	39.6	249.9	5,800	235
240	17.5	179.0	8,600*	20.1	189.1	9,000*	23.5	201.7	9,500*	26.5	212.1	8,900	30.7	225.7	7,700	34.4	236.0	6,500	37.7	243.6	5,300	240
245	12.9	160.2	7,200*	16.2	173.6	8,400*	20.3	189.1	8,900*	23.6	201.2	8,400	28.3	216.8	7,200	32.2	228.3	6,100	35.7	236.8	4,900	245
250	4.8	126.9	4,900*	11.1	152.6	7,000*	16.4	173.7	8,400*	20.4	188.6	7,900	25.6	206.8	6,800	29.9	219.9	5,700	33.6	229.4	4,600	250
255							11.3	153.0	7,700*	16.6	173.4	7,500	22.7	195.5	6,400	27.4	210.6	5,300	31.3	221.5	4,200	255
260										11.5	152.9	7,000	19.3	182.3	5,900	24.6	200.2	4,900				260
265													15.2	165.8	5,500	21.6	188.3	4,500				265
270													9.5	142.4	5,100	18.0	174.2	4,200				270

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	66.7	181.8	130,000*b																			40
45	62.1	179.3	119,200*b	65.6	180.9	126,700*b																45
50	57.3	176.2	109,900*	61.0	178.3	116,400*b	66.3	180.6	122,700b													50
55	52.2	172.5	101,900*	56.1	175.1	107,500*	61.7	178.1	108,300b	66.9	180.0	105,000b										55
60	46.7	168.1	95,000*	51.0	171.3	99,700	56.8	175.0	96,800	62.3	177.5	93,800b										60
65	40.7	162.7	88,900*	45.4	166.7	90,000	51.7	171.2	87,300	57.5	174.4	84,600										65
70	33.8	155.8	83,400	39.2	160.9	81,800	46.2	166.7	79,400	52.5	170.8	77,000	61.7	174.8	72,900b							70
75	25.2	146.6	76,300	31.9	153.7	74,900	40.1	161.2	72,700	47.0	166.4	70,500	56.9	171.7	66,700							75
80	11.2	130.4	63,200*	22.7	143.5	68,900	33.1	154.2	66,900	41.0	161.0	64,900	51.7	168.0	61,400							80
85							24.2	144.6	61,900	34.1	154.3	60,000	46.2	163.5	56,800	56.0	168.0	53,700				85
90							8.9	126.6	57,300	25.6	145.2	55,700	40.1	157.9	52,800	50.8	164.2	49,900				90
95										12.2	129.7	51,800	33.1	150.9	49,200	45.2	159.5	46,500				95
100													24.2	141.4	46,000	38.9	153.7	43,400	49.5	159.3	40,900	100
105													8.9	123.4	42,900	31.7	146.4	40,700	43.7	154.4	38,400	105
110																22.3	136.1	38,200	37.3	148.3	36,000	110
115																			29.7	140.4	33,900	115
120																			19.4	128.9	31,900	120

110 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	69.7	192.6	126,300*b																			40
45	65.8	190.5	116,000*b	68.8	191.9	123,200*b																45
50	61.8	187.9	107,100*	64.9	189.6	113,500*b	69.4	191.5	122,300b													50
55	57.6	184.9	99,400*	60.9	187.0	105,000*	65.5	189.3	107,900b													55
60	53.2	181.3	92,600*	56.6	183.8	97,500*	61.5	186.7	96,400	66.0	188.7	93,300b										60
65	48.6	177.1	86,700*	52.2	180.1	89,700	57.3	183.6	86,900	62.0	186.1	84,200										65
70	43.5	172.1	81,500*	47.4	175.8	81,600	52.8	180.0	79,000	57.8	183.1	76,500										70
75	37.9	166.1	76,200	42.3	170.6	74,700	48.1	175.8	72,400	53.4	179.6	70,000	61.5	183.5	66,200							75
80	31.5	158.7	70,100	36.5	164.3	68,700	43.0	170.7	66,600	48.8	175.4	64,500	57.3	180.4	60,900							80
85	23.4	148.6	64,900	29.8	156.3	63,600	37.4	164.6	61,600	43.7	170.5	59,600	52.8	176.8	56,300							85
90	10.4	131.2	56,100*	21.1	145.4	59,000	30.8	156.9	57,200	38.2	164.5	55,400	48.1	172.5	52,300	56.5	176.7	49,300				90
95							22.6	146.6	53,300	31.8	157.1	51,600	43.0	167.5	48,800	52.0	173.0	45,900				95
100							8.2	127.2	49,700	23.9	147.3	48,200	37.4	161.4	45,600	47.2	168.6	42,900				100
105										11.4	130.6	45,100	30.8	153.7	42,700	42.1	163.4	40,200	50.9	168.2	37,800	105
110													22.6	143.4	40,100	36.3	157.0	37,800	46.0	163.6	35,500	110
115													8.3	124.0	37,600	29.5	149.0	35,600	40.7	158.1	33,400	115
120																20.8	137.9	33,500	34.7	151.4	31,500	120
125																			27.6	142.9	29,700	125
130																			18.0	130.4	28,000	130

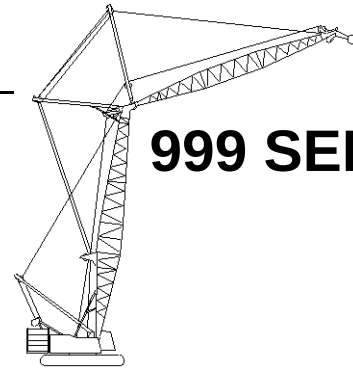


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 90 Ft. Jib

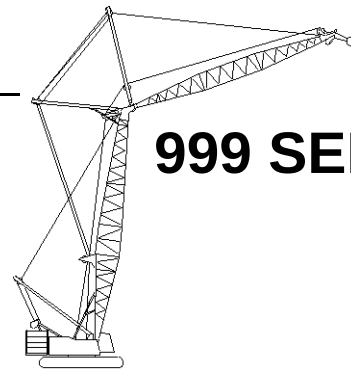
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 100 Ft. Jib

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

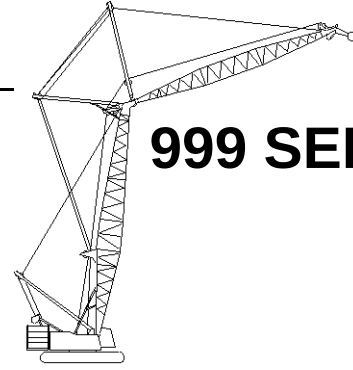


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 110 Ft. Jib

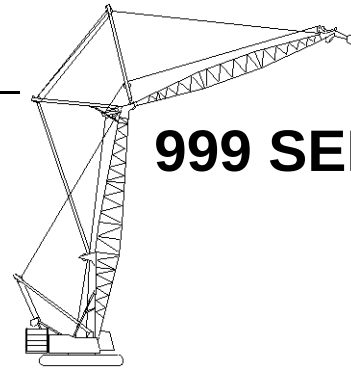
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.2	233.1	103,100*																			45
50	71.7	231.5	96,200*	73.6	232.5	101,600*																50
55	69.2	229.7	90,000*	71.1	230.8	95,000*																55
60	66.6	227.6	84,300*	68.6	228.9	88,900*																60
65	63.9	225.2	79,200*	66.0	226.8	83,400*	68.9	228.6	85,600													65
70	61.2	222.6	74,600*	63.3	224.3	78,300*	66.3	226.4	77,800													70
75	58.4	219.6	70,400*	60.6	221.6	73,600	63.7	224.0	71,100	66.7	225.8	68,600										75
80	55.6	216.3	66,600*	57.8	218.6	67,800	61.0	221.4	65,400	64.0	223.4	63,100										80
85	52.6	212.6	63,200*	54.9	215.1	62,700	58.2	218.3	60,500	61.3	220.8	58,300										85
90	49.5	208.4	59,600	51.9	211.3	58,200	55.3	215.0	56,200	58.6	217.8	54,100										90
95	46.3	203.8	55,500	48.8	207.1	54,300	52.3	211.3	52,300	55.7	214.5	50,400	61.0	218.1	47,300							95
100	42.8	198.6	51,500*	45.5	202.4	50,700	49.2	207.1	48,900	52.7	210.8	47,100	58.2	215.1	44,200							100
105	39.1	192.7	47,700*	42.0	197.0	47,600	46.0	202.4	45,900	49.6	206.7	44,200	55.3	211.8	41,400							105
110	35.1	186.0	44,400*	38.2	190.9	44,800	42.5	197.2	43,100	46.4	202.1	41,500	52.3	208.0	38,900	57.7	211.5	36,200				110
115	30.6	178.0	41,600*	34.1	183.9	42,200	38.8	191.2	40,600	43.0	196.9	39,100	49.2	203.8	36,600	54.8	208.0	34,100				115
120	25.4	168.4	39,300*	29.5	175.7	39,800	34.7	184.4	38,400	39.3	191.1	36,900	46.0	199.2	34,500	51.8	204.2	32,100				120
125	19.0	155.8	37,600*	24.1	165.5	37,700	30.2	176.3	36,300	35.3	184.4	34,900	42.5	193.9	32,600	48.6	200.0	30,400				125
130	8.4	134.2	33,500*	17.1	151.8	35,600	24.9	166.5	34,400	30.9	176.5	33,100	38.8	188.0	30,900	45.3	195.2	28,700	51.0	199.4	26,600	130
135							18.3	153.4	32,600	25.7	167.0	31,300	34.7	181.1	29,300	41.8	189.8	27,200	47.9	195.0	25,200	135
140							16.6	129.5	30,800	19.3	154.5	29,700	30.2	173.1	27,800	38.1	183.7	25,800	44.5	190.1	23,900	140
145										9.1	133.9	28,200	24.9	163.2	26,400	34.0	176.7	24,500	41.0	184.6	22,600	145
150													18.3	150.2	25,000	29.3	168.4	23,300	37.1	178.3	21,500	150
155													6.6	126.3	23,700	23.9	158.1	22,100	32.9	171.0	20,400	155
160																16.8	144.2	21,000	28.1	162.3	19,400	160
165																			22.4	151.3	18,400	165
170																			14.6	135.8	17,500	170

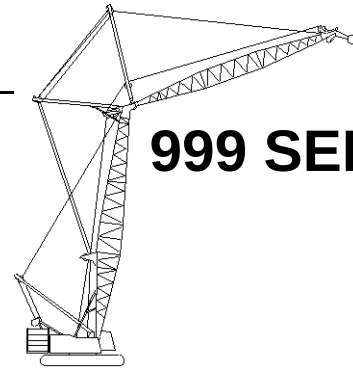


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 130 Ft. Jib

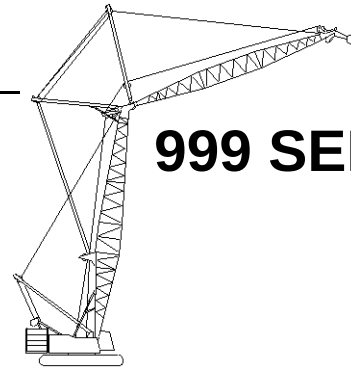
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	74.4	252.5	84,300*																			50
55	72.2	250.9	82,900*	73.9	251.9	89,300*																55
60	70.1	249.2	80,000*	71.7	250.3	84,100*																60
65	67.9	247.2	75,400*	69.6	248.5	79,300*																65
70	65.6	245.0	71,200*	67.4	246.4	74,800*	69.9	248.1	76,900													70
75	63.4	242.6	67,300*	65.1	244.2	70,700*	67.7	246.1	70,300													75
80	61.0	239.9	63,800*	62.8	241.7	66,900*	65.4	243.9	64,600	68.0	245.4	62,200										80
85	58.7	236.9	60,600*	60.5	238.9	61,900	63.2	241.4	59,700	65.7	243.2	57,400										85
90	56.2	233.7	57,600*	58.1	235.9	57,500	60.8	238.7	55,400	63.5	240.8	53,300										90
95	53.7	230.1	54,600*	55.6	232.6	53,600	58.4	235.7	51,600	61.2	238.1	49,600										95
100	51.1	226.2	50,800*	53.1	228.9	50,000	56.0	232.4	48,200	58.8	235.1	46,300										100
105	48.4	221.8	47,100*	50.5	224.9	46,900	53.5	228.8	45,100	56.3	231.9	43,400	60.8	235.4	40,500							105
110	45.6	217.1	43,900*	47.8	220.5	44,100	50.9	224.8	42,400	53.8	228.3	40,700	58.4	232.5	38,000							110
115	42.6	211.8	41,000*	44.9	215.6	41,500	48.2	220.5	39,900	51.2	224.4	38,300	56.0	229.2	35,700							115
120	39.5	206.0	38,300*	41.9	210.2	39,200	45.3	215.7	37,700	48.5	220.1	36,200	53.5	225.6	33,600	58.0	228.8	31,200				120
125	36.1	199.4	36,000*	38.7	204.2	37,100	42.3	210.4	35,600	45.7	215.4	34,200	50.9	221.6	31,800	55.5	225.5	29,400				125
130	32.4	191.9	33,900*	35.2	197.5	35,100	39.2	204.5	33,700	42.7	210.2	32,300	48.2	217.3	30,000	53.0	221.8	27,800				130
135	28.3	183.2	32,100*	31.5	189.7	33,300	35.8	197.8	32,000	39.6	204.3	30,600	45.3	212.5	28,400	50.4	217.8	26,300				135
140	23.5	172.6	30,600*	27.2	180.6	31,600	32.0	190.2	30,300	36.2	197.8	29,100	42.3	207.2	27,000	47.7	213.3	24,900	52.4	217.0	22,900	140
145	17.5	158.9	29,600*	22.2	169.5	30,000	27.9	181.4	28,800	32.6	190.4	27,600	39.2	201.2	25,600	44.8	208.5	23,600	49.7	212.9	21,700	145
150	7.7	135.5	26,200*	15.8	154.5	28,600	23.0	170.6	27,400	28.5	181.7	26,300	35.8	194.6	24,300	41.8	203.1	22,400	47.0	208.4	20,600	150
155							16.9	156.4	26,100	23.7	171.2	25,000	32.0	187.0	23,100	38.6	197.0	21,300	44.1	203.4	19,500	155
160							6.0	130.5	24,800	17.8	157.7	23,800	27.9	178.1	22,000	35.1	190.2	20,200	41.0	197.8	18,500	160
165										8.4	135.3	22,600	23.0	167.4	21,000	31.3	182.4	19,300	37.8	191.6	17,600	165
170													16.9	153.2	19,900	27.1	173.3	18,300	34.2	184.6	16,700	170
175													6.0	127.3	18,900	22.0	162.1	17,400	30.3	176.5	15,900	175
180																15.5	146.9	16,600	25.9	166.9	15,100	180
185																			20.6	155.0	14,400	185
190																			13.4	138.1	13,600	190

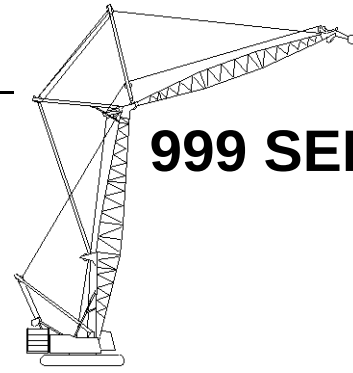


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 150 Ft. Jib

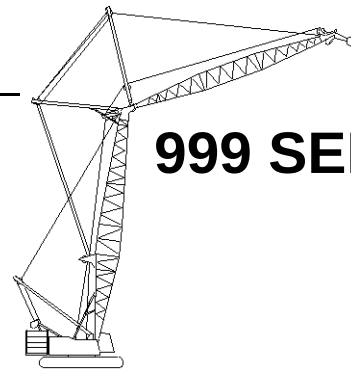
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	70,100													75
80	63.1	251.2	62,400*	64.8	252.9	65,300*	67.2	254.8	64,400													80
85	61.0	248.5	59,200*	62.6	250.4	61,800	65.1	252.6	59,500	67.5	254.1	57,300										85
90	58.8	245.6	56,400*	60.5	247.6	57,300	63.0	250.1	55,200	65.4	251.9	53,100										90
95	56.5	242.3	53,700*	58.2	244.6	53,400	60.8	247.3	51,400	63.2	249.4	49,400										95
100	54.1	238.8	50,400*	55.9	241.3	49,900	58.6	244.4	48,000	61.1	246.8	46,100										100
105	51.7	235.0	47,000*	53.6	237.7	46,800	56.3	241.1	45,000	58.9	243.8	43,200	63.0	246.8	40,300							105
110	49.2	230.8	43,900*	51.2	233.7	43,900	53.9	237.5	42,200	56.6	240.6	40,600	60.8	244.1	37,800							110
115	46.6	226.2	41,000*	48.6	229.5	41,400	51.5	233.7	39,800	54.3	237.1	38,200	58.6	241.1	35,500							115
120	43.9	221.2	38,400*	46.0	224.8	39,100	49.0	229.4	37,500	51.8	233.2	36,000	56.3	237.9	33,500							120
125	41.1	215.6	36,000*	43.3	219.6	36,900	46.4	224.8	35,500	49.4	229.1	34,000	53.9	234.3	31,600							125
130	38.1	209.4	33,900*	40.4	213.9	35,000	43.7	219.7	33,600	46.8	224.5	32,200	51.5	230.4	29,900	55.9	234.2	27,600				130
135	34.8	202.5	31,900*	37.3	207.6	33,200	40.8	214.1	31,800	44.1	219.5	30,500	49.0	226.2	28,300	53.5	230.6	26,100				135
140	31.2	194.7	30,200*	34.0	200.5	31,500	37.8	207.9	30,200	41.2	214.0	28,900	46.4	221.6	26,800	51.1	226.6	24,700				140
145	27.3	185.6	28,700*	30.4	192.4	29,900	34.5	200.9	28,700	38.2	207.8	27,500	43.7	216.5	25,400	48.5	222.3	23,400	52.9	225.8	21,500	145
150	22.7	174.6	27,500*	26.3	183.0	28,500	30.9	193.0	27,300	35.0	201.0	26,100	40.8	210.9	24,200	45.9	217.6	22,300	50.5	221.8	20,400	150
155	16.9	160.3	26,700*	21.5	171.4	27,100	26.9	183.8	26,000	31.4	193.2	24,900	37.8	204.7	23,000	43.2	212.5	21,100	47.9	217.4	19,300	155
160	7.4	136.1	23,400*	15.2	155.8	25,900	22.2	172.6	24,800	27.5	184.1	23,700	34.5	197.7	21,900	40.3	206.7	20,100	45.3	212.6	18,400	160
165							16.3	157.8	23,600	22.9	173.3	22,600	30.9	189.8	20,800	37.2	200.4	19,100	42.5	207.3	17,400	165
170							5.8	130.9	22,500	17.2	159.2	21,500	26.9	180.5	19,900	33.9	193.3	18,200	39.6	201.4	16,600	170
175										8.1	136.0	20,500	22.2	169.3	18,900	30.2	185.1	17,300	36.4	194.9	15,800	175
180													16.3	154.6	18,000	26.1	175.6	16,500	33.0	187.6	15,000	180
185													5.8	127.8	17,100	21.3	163.9	15,700	29.3	179.1	14,300	185
190																14.9	148.2	15,000	25.0	169.2	13,600	190
195																			19.9	156.8	12,900	195
200																			13.0	139.3	12,200	200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	271.9	68,800*																			55
60	72.7	270.4	67,900*																			60
65	70.8	268.7	66,900*	72.2	269.7	74,700*																65
70	68.9	266.8	65,900*	70.3	268.0	70,800*																70
75	66.9	264.7	64,000*	68.4	266.0	67,100*	70.6	267.5	69,700													75
80	65.0	262.4	60,800*	66.5	263.9	63,700*	68.7	265.6	64,000													80
85	63.0	259.9	57,800*	64.5	261.6	60,500*	66.7	263.5	59,100													85
90	60.9	257.2	55,000*	62.5	259.0	56,900	64.8	261.2	54,800	67.0	262.9	52,600										90
95	58.8	254.2	52,400*	60.4	256.3	53,000	62.8	258.7	50,900	65.0	260.6	48,900										95
100	56.7	251.0	49,500*	58.3	253.2	49,500	60.7	256.0	47,600	63.0	258.1	45,600										100
105	54.5	247.6	46,400*	56.2	250.0	46,400	58.6	253.0	44,500	61.0	255.4	42,700										105
110	52.3	243.8	43,500*	54.0	246.4	43,500	56.5	249.8	41,800	58.9	252.5	40,100	62.8	255.5	37,200							110
115	50.0	239.7	40,700*	51.7	242.6	41,000	54.3	246.3	39,300	56.8	249.3	37,700	60.7	252.8	35,000							115
120	47.6	235.2	38,200*	49.4	238.4	38,700	52.1	242.5	37,100	54.6	245.8	35,500	58.6	249.8	32,900							120
125	45.1	230.4	35,800*	47.0	233.8	36,500	49.8	238.3	35,000	52.4	242.0	33,500	56.5	246.6	31,100							125
130	42.5	225.1	33,700*	44.5	228.9	34,600	47.3	233.9	33,100	50.1	238.0	31,700	54.3	243.0	29,400							130
135	39.7	219.2	31,800*	41.8	223.5	32,800	44.8	229.0	31,400	47.7	233.5	30,000	52.1	239.2	27,800	56.1	242.9	25,600				135
140	36.8	212.8	30,000*	39.0	217.5	31,100	42.2	223.6	29,800	45.2	228.7	28,500	49.8	235.1	26,300	53.9	239.3	24,200				140
145	33.6	205.6	28,400*	36.1	210.9	29,600	39.5	217.7	28,300	42.6	223.4	27,000	47.3	230.6	25,000	51.7	235.4	22,900				145
150	30.2	197.4	27,000*	32.9	203.5	28,100	36.5	211.2	26,900	39.8	217.6	25,700	44.8	225.7	23,700	49.3	231.3	21,700				150
155	26.4	187.9	25,800*	29.4	195.0	26,800	33.4	203.9	25,600	36.9	211.2	24,500	42.2	220.4	22,500	46.9	226.7	20,600	51.1	230.6	18,800	155
160	21.9	176.5	24,800*	25.4	185.2	25,500	29.9	195.7	24,400	33.8	204.0	23,300	39.5	214.5	21,400	44.4	221.7	19,600	48.7	226.3	17,800	160
165	16.3	161.7	24,100*	20.7	173.2	24,300	26.0	186.1	23,300	30.4	195.9	22,200	36.5	208.0	20,400	41.7	216.3	18,600	46.3	221.7	16,900	165
170	7.2	136.7	20,600*	14.7	157.1	23,200	21.5	174.4	22,200	26.6	186.5	21,200	33.4	200.7	19,400	38.9	210.3	17,700	43.7	216.6	16,000	170
175							15.7	159.2	21,200	22.1	175.2	20,200	29.9	192.4	18,500	36.0	203.7	16,800	41.1	211.0	15,200	175
180							5.6	131.4	20,100	16.6	160.6	19,200	26.0	182.8	17,600	32.8	196.2	16,000	38.2	204.9	14,500	180
185										7.8	136.6	18,300	21.5	171.2	16,800	29.2	187.7	15,300	35.2	198.1	13,800	185
190													15.7	156.0	16,000	25.3	177.8	14,500	31.9	190.4	13,100	190
195													5.6	128.2	15,200	20.6	165.7	13,800	28.3	181.6	12,400	195
200																14.4	149.4	13,100	24.2	171.3	11,800	200
205																			19.3	158.4	11,200	205
210																			12.5	140.3	10,600	210

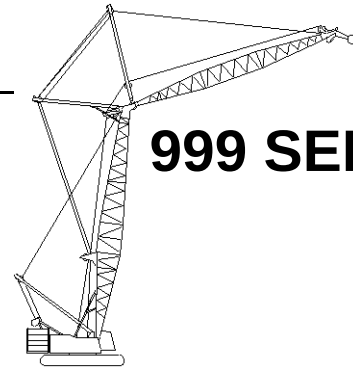


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



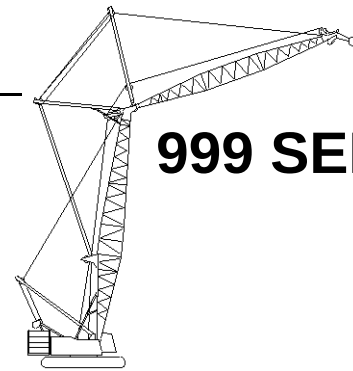
110 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	63,600													80
85	64.7	271.1	56,500*	66.1	272.6	59,200*	68.2	274.4	58,700													85
90	62.8	268.6	53,900*	64.2	270.3	56,300*	66.4	272.3	54,400													90
95	60.9	265.9	51,400*	62.3	267.7	52,700	64.5	269.9	50,600	66.6	271.6	48,500										95
100	58.9	262.9	48,500*	60.4	264.9	49,200	62.6	267.4	47,200	64.8	269.3	45,300										100
105	56.9	259.7	45,600*	58.4	261.9	46,000	60.7	264.7	44,200	62.9	266.8	42,300										105
110	54.9	256.3	42,900*	56.4	258.7	43,200	58.7	261.7	41,500	60.9	264.1	39,700										110
115	52.8	252.6	40,300*	54.4	255.2	40,700	56.7	258.5	39,000	59.0	261.1	37,300	62.6	264.2	34,600							115
120	50.6	248.5	37,900*	52.3	251.4	38,300	54.7	255.0	36,700	57.0	258.0	35,200	60.7	261.4	32,500							120
125	48.4	244.2	35,600*	50.1	247.3	36,200	52.6	251.3	34,700	55.0	254.5	33,200	58.7	258.4	30,700							125
130	46.1	239.5	33,500*	47.8	242.9	34,300	50.4	247.2	32,800	52.9	250.8	31,400	56.7	255.2	29,000							130
135	43.6	234.4	31,600*	45.5	238.1	32,500	48.2	242.8	31,100	50.7	246.8	29,700	54.7	251.8	27,400							135
140	41.1	228.8	29,900*	43.1	232.9	30,800	45.8	238.1	29,500	48.5	242.5	28,100	52.6	248.0	25,900	56.4	251.6	23,800				140
145	38.5	222.7	28,300*	40.5	227.2	29,300	43.4	233.0	28,000	46.2	237.8	26,700	50.4	244.0	24,600	54.3	248.0	22,500				145
150	35.6	216.0	26,800*	37.8	220.9	27,800	40.9	227.4	26,600	43.8	232.7	25,400	48.2	239.6	23,300	52.2	244.2	21,300				150
155	32.6	208.5	25,500*	34.9	214.1	26,500	38.2	221.2	25,300	41.2	227.2	24,100	45.8	234.9	22,200	50.0	240.1	20,200				155
160	29.3	200.0	24,300*	31.9	206.3	25,300	35.4	214.4	24,100	38.6	221.1	23,000	43.4	229.7	21,100	47.7	235.7	19,200	51.7	239.4	17,400	160
165	25.6	190.2	23,300*	28.5	197.6	24,100	32.3	206.8	23,000	35.8	214.4	21,900	40.9	224.1	20,000	45.4	230.9	18,200	49.5	235.3	16,500	165
170	21.2	178.4	22,500*	24.6	187.4	23,000	29.0	198.3	21,900	32.7	207.0	20,800	38.2	218.0	19,100	43.0	225.7	17,300	47.2	230.7	15,600	170
175	15.8	163.1	21,700*	20.1	175.0	21,900	25.2	188.3	20,900	29.4	198.5	19,900	35.4	211.2	18,200	40.4	220.0	16,500	44.8	225.8	14,800	175
180	6.9	137.2	18,200*	14.3	158.3	20,900	20.8	176.3	19,900	25.7	188.8	18,900	32.3	203.6	17,300	37.7	213.7	15,700	42.4	220.5	14,100	180
185							15.2	160.5	19,000	21.5	177.1	18,100	29.0	195.0	16,500	34.8	206.8	14,900	39.8	214.7	13,400	185
190							5.4	131.8	18,100	16.1	162.0	17,200	25.2	185.1	15,700	31.7	199.1	14,200	37.0	208.3	12,700	190
195										7.6	137.3	16,400	20.8	173.0	15,000	28.3	190.3	13,500	34.1	201.2	12,100	195
200													15.2	157.3	14,300	24.5	180.0	12,800	30.9	193.2	11,400	200
205													5.4	128.7	13,500	19.9	167.5	12,200	27.4	184.1	10,900	205
210																14.0	150.6	11,600	23.5	173.4	10,300	210
215																			18.7	160.1	9,700	215
220																			12.1	141.4	9,200	220

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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	58,200													85
90	64.4	279.8	52,400*	65.8	281.3	54,800*	67.7	283.2	53,900													90
95	62.6	277.3	49,700*	64.0	278.9	52,200	66.0	281.0	50,100	68.0	282.5	48,000										95
100	60.8	274.5	47,100*	62.2	276.4	48,700	64.3	278.6	46,800	66.2	280.3	44,800										100
105	59.0	271.6	44,500*	60.4	273.6	45,600	62.5	276.1	43,700	64.5	278.0	41,900										105
110	57.1	268.4	42,000*	58.5	270.6	42,800	60.6	273.3	41,000	62.7	275.5	39,200										110
115	55.2	265.0	39,600*	56.6	267.3	40,200	58.8	270.3	38,500	60.9	272.7	36,800										115
120	53.2	261.3	37,400*	54.7	263.9	37,900	56.9	267.2	36,300	59.0	269.8	34,700	62.5	272.8	32,000							120
125	51.2	257.4	35,300*	52.7	260.1	35,800	55.0	263.7	34,200	57.2	266.6	32,700	60.6	270.1	30,200							125
130	49.1	253.1	33,400*	50.7	256.1	33,900	53.0	260.0	32,400	55.2	263.2	30,900	58.8	267.1	28,500							130
135	46.9	248.6	31,500*	48.6	251.8	32,100	51.0	256.1	30,600	53.3	259.6	29,200	56.9	263.9	26,900							135
140	44.7	243.6	29,700*	46.4	247.2	30,400	48.9	251.8	29,000	51.2	255.7	27,700	55.0	260.5	25,400							140
145	42.3	238.3	28,100*	44.1	242.1	28,900	46.7	247.2	27,600	49.2	251.4	26,200	53.0	256.8	24,100	56.6	260.2	22,000				145
150	39.9	232.5	26,700*	41.8	236.7	27,400	44.5	242.2	26,200	47.0	246.9	24,900	51.0	252.8	22,800	54.6	256.8	20,800				150
155	37.3	226.1	25,400*	39.3	230.8	26,100	42.1	236.8	24,900	44.8	242.0	23,700	48.9	248.6	21,700	52.6	253.0	19,700				155
160	34.6	219.1	24,100*	36.7	224.3	24,900	39.7	231.0	23,700	42.5	236.6	22,500	46.7	244.0	20,600	50.6	249.0	18,700				160
165	31.6	211.3	23,000*	33.9	217.1	23,700	37.1	224.6	22,600	40.0	230.8	21,400	44.5	239.0	19,600	48.5	244.7	17,700	52.1	248.2	15,900	165
170	28.4	202.6	22,100*	30.9	209.1	22,600	34.3	217.5	21,500	37.5	224.5	20,400	42.1	233.6	18,600	46.3	240.0	16,800	50.1	244.1	15,100	170
175	24.8	192.4	21,200*	27.6	200.0	21,600	31.4	209.7	20,500	34.7	217.6	19,400	39.7	227.8	17,700	44.1	235.0	16,000	48.0	239.7	14,300	175
180	20.6	180.2	20,500*	23.9	189.5	20,600	28.1	200.8	19,600	31.8	209.8	18,500	37.1	221.4	16,800	41.7	229.5	15,200	45.8	235.0	13,500	180
185	15.4	164.4	19,100*	19.5	176.7	19,600	24.5	190.5	18,700	28.6	201.1	17,700	34.3	214.3	16,000	39.2	223.6	14,400	43.5	229.8	12,800	185
190	6.7	137.8	15,800*	13.8	159.5	18,700	20.2	178.0	17,800	25.0	191.0	16,900	31.4	206.4	15,300	36.6	217.1	13,700	41.1	224.3	12,200	190
195							14.8	161.8	17,000	20.8	178.9	16,100	28.1	197.5	14,500	33.8	209.9	13,000	38.6	218.2	11,500	195
200							5.3	132.3	16,200	15.6	163.4	15,300	24.5	187.2	13,800	30.8	201.8	12,400	36.0	211.5	10,900	200
205										7.4	137.9	14,600	20.2	174.8	13,200	27.5	192.7	11,800	33.1	204.1	10,400	205
210													14.8	158.6	12,500	23.8	182.1	11,200	30.0	195.9	9,800	210
215													5.3	129.1	11,900	19.3	169.2	10,600	26.6	186.4	9,300	215
220																13.6	151.8	10,000	22.8	175.4	8,800	220
225																			18.1	161.7	8,300	225
230																			11.8	142.4	7,800	230

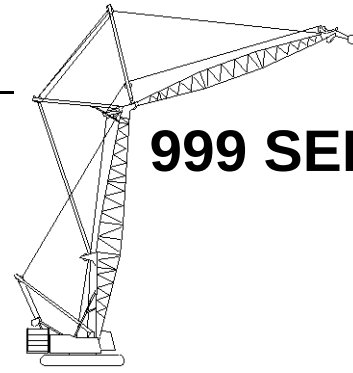


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 190 Ft. Jib

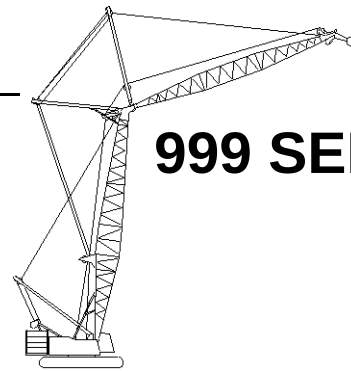
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	53,700													90
95	64.2	288.5	47,300*	65.5	290.0	51,000*	67.4	291.9	49,900													95
100	62.5	285.9	45,800*	63.8	287.6	48,500	65.7	289.7	46,500	67.6	291.2	44,500										100
105	60.8	283.2	43,500*	62.1	285.0	45,400	64.0	287.3	43,500	65.9	289.0	41,600										105
110	59.0	280.2	41,300*	60.4	282.2	42,600	62.3	284.7	40,800	64.3	286.7	39,000										110
115	57.2	277.1	39,100*	58.6	279.2	40,000	60.6	282.0	38,300	62.6	284.1	36,600										115
120	55.4	273.7	37,000*	56.8	276.0	37,700	58.9	279.0	36,100	60.8	281.4	34,500										120
125	53.6	270.1	35,100*	55.0	272.6	35,600	57.1	275.8	34,000	59.1	278.5	32,500	62.3	281.5	29,900							125
130	51.6	266.2	33,200*	53.1	268.9	33,600	55.2	272.4	32,200	57.3	275.3	30,700	60.6	278.7	28,200							130
135	49.7	262.0	31,400*	51.2	265.0	31,900	53.4	268.8	30,400	55.5	271.9	29,000	58.9	275.8	26,700							135
140	47.7	257.6	29,800*	49.2	260.8	30,200	51.5	264.9	28,800	53.6	268.3	27,500	57.1	272.6	25,200							140
145	45.6	252.8	28,200*	47.2	256.2	28,700	49.5	260.7	27,300	51.7	264.5	26,000	55.3	269.2	23,900							145
150	43.4	247.6	26,800*	45.1	251.3	27,200	47.5	256.2	26,000	49.8	260.3	24,700	53.4	265.6	22,600	56.7	268.9	20,600				150
155	41.2	242.1	25,400*	42.9	246.1	25,900	45.4	251.4	24,700	47.8	255.9	23,500	51.5	261.7	21,500	54.9	265.5	19,500				155
160	38.8	236.0	24,200*	40.6	240.4	24,700	43.2	246.2	23,500	45.7	251.1	22,300	49.5	257.5	20,400	53.0	261.8	18,500				160
165	36.3	229.4	23,000*	38.2	234.2	23,500	40.9	240.6	22,400	43.5	246.0	21,200	47.5	253.0	19,300	51.1	257.8	17,500				165
170	33.6	222.2	22,000*	35.7	227.5	22,400	38.6	234.5	21,300	41.3	240.4	20,200	45.4	248.2	18,400	49.1	253.6	16,600	52.6	257.0	14,900	170
175	30.8	214.1	21,100*	33.0	220.1	21,400	36.1	227.8	20,300	38.9	234.4	19,200	43.2	243.0	17,500	47.1	249.1	15,800	50.6	253.0	14,100	175
180	27.6	205.0	20,200*	30.1	211.8	20,400	33.4	220.5	19,400	36.4	227.8	18,300	40.9	237.4	16,600	45.0	244.2	15,000	48.7	248.7	13,300	180
185	24.1	194.5	19,400*	26.9	202.4	19,500	30.5	212.4	18,500	33.8	220.6	17,500	38.6	231.3	15,800	42.8	238.9	14,200	46.6	244.1	12,600	185
190	20.1	182.0	18,400*	23.2	191.5	18,600	27.3	203.2	17,600	30.9	212.6	16,700	36.1	224.6	15,100	40.5	233.2	13,500	44.5	239.1	12,000	190
195	14.9	165.7	16,900*	19.0	178.3	17,800	23.8	192.6	16,800	27.8	203.5	15,900	33.4	217.3	14,400	38.1	227.0	12,800	42.3	233.7	11,300	195
200	6.5	138.3	13,900*	13.5	160.7	16,800*	19.7	179.8	16,100	24.3	193.1	15,200	30.5	209.2	13,700	35.6	220.3	12,200	40.0	227.9	10,700	200
205				14.4	163.0	15,300	20.3	180.7	14,500	24.3	193.1	15,200	27.3	200.0	13,000	32.9	212.8	11,600	37.5	221.6	10,200	205
210							5.1	132.7	14,600	15.2	164.7	13,800	23.8	189.3	12,400	30.0	204.5	11,000	35.0	214.7	9,600	210
215										7.2	138.5	13,100	19.7	176.5	11,800	26.7	195.1	10,400	32.2	207.0	9,100	215
220													14.4	159.8	11,200	23.1	184.1	9,900	29.2	198.5	8,600	220
225													5.1	129.5	10,600	18.8	170.8	9,400	25.9	188.7	8,100	225
230																13.2	152.9	8,900	22.1	177.3	7,600	230
235																			17.6	163.2	7,200	235
240																			11.5	143.4	6,700	240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	46,100													100
105	62.4	294.6	42,000*	63.6	296.3	45,000	65.4	298.4	43,100	67.2	300.0	41,100										105
110	60.7	291.8	40,000*	62.0	293.7	42,200	63.8	296.0	40,300	65.6	297.7	38,500										110
115	59.1	288.9	38,100*	60.3	290.9	39,600	62.2	293.4	37,900	64.0	295.4	36,200										115
120	57.4	285.8	36,200*	58.7	287.9	37,300	60.6	290.6	35,600	62.4	292.8	34,000										120
125	55.7	282.4	34,400*	57.0	284.7	35,200	58.9	287.7	33,600	60.8	290.1	32,000										125
130	53.9	278.8	32,600*	55.2	281.3	33,200	57.2	284.5	31,700	59.1	287.1	30,200	62.2	290.2	27,700							130
135	52.1	275.0	31,000*	53.5	277.7	31,500	55.5	281.1	30,000	57.5	284.0	28,500	60.6	287.4	26,200							135
140	50.2	270.9	29,500*	51.7	273.8	29,800	53.7	277.5	28,400	55.7	280.6	27,000	58.9	284.4	24,700							140
145	48.3	266.6	28,000*	49.8	269.6	28,300	51.9	273.7	26,900	54.0	277.1	25,600	57.2	281.3	23,400							145
150	46.4	261.9	26,600*	47.9	265.2	26,800	50.1	269.6	25,500	52.2	273.3	24,300	55.5	277.9	22,100							150
155	44.4	256.9	25,200*	45.9	260.5	25,500	48.2	265.2	24,300	50.3	269.2	23,000	53.7	274.3	21,000	56.9	277.6	18,900				155
160	42.2	251.5	24,000*	43.9	255.4	24,300	46.2	260.5	23,100	48.4	264.9	21,900	51.9	270.5	19,900	55.2	274.2	17,900				160
165	40.1	245.7	22,900*	41.7	249.9	23,100	44.2	255.5	21,900	46.5	260.2	20,800	50.1	266.4	18,900	53.4	270.6	17,000				165
170	37.8	239.5	21,900*	39.5	244.0	22,000	42.1	250.1	20,900	44.4	255.2	19,800	48.2	262.0	17,900	51.6	266.7	16,100				170
175	35.3	232.6	20,900*	37.2	237.6	21,000	39.9	244.2	19,900	42.3	249.9	18,800	46.2	257.3	17,000	49.7	262.5	15,200	53.0	265.8	13,500	175
180	32.7	225.1	20,000*	34.7	230.6	20,000	37.5	237.9	19,000	40.2	244.1	17,900	44.2	252.3	16,200	47.8	258.1	14,500	51.1	261.8	12,800	180
185	30.0	216.8	19,000*	32.1	223.0	19,100	35.1	231.0	18,100	37.9	237.8	17,100	42.1	246.8	15,400	45.8	253.3	13,700	49.3	257.6	12,100	185
190	26.9	207.4	18,000*	29.3	214.4	18,200	32.5	223.4	17,300	35.4	231.0	16,300	39.9	241.0	14,600	43.8	248.2	13,000	47.3	253.1	11,400	190
195	23.5	196.6	17,100*	26.2	204.7	17,400	29.7	215.0	16,500	32.9	223.6	15,500	37.5	234.7	13,900	41.7	242.7	12,300	45.4	248.3	10,800	195
200	19.5	183.7	16,200*	22.6	193.5	16,600	26.6	205.6	15,700	30.1	215.3	14,800	35.1	227.8	13,200	39.4	236.8	11,700	43.3	243.1	10,200	200
205	14.5	167.0	14,700*	18.5	179.9	15,900	23.2	194.6	15,000	27.1	205.9	14,100	32.5	220.2	12,600	37.1	230.4	11,100	41.1	237.5	9,600	205
210	6.4	138.9	12,000*	13.1	161.8	14,700*	19.1	181.4	14,300	23.7	195.2	13,400	29.7	211.8	11,900	34.6	223.4	10,500	38.9	231.5	9,100	210
215							14.0	164.2	13,600	19.7	182.4	12,800	26.6	202.3	11,400	32.0	215.7	10,000	36.5	224.9	8,600	215
220							5.0	133.1	12,800*	14.8	166.0	12,200	23.2	191.4	10,800	29.2	207.1	9,400	34.0	217.7	8,100	220
225										7.0	139.0	11,500	19.1	178.2	10,200	26.0	197.4	8,900	31.4	209.8	7,600	225
230													14.0	161.0	9,700	22.5	186.1	8,400	28.4	201.0	7,200	230
235													5.0	129.9	9,100	18.3	172.4	8,000	25.2	191.0	6,700	235
240																12.9	154.0	7,500	21.6	179.2	6,300	240
245																			17.2	164.7	5,900	245
250																			11.2	144.3	5,500	250

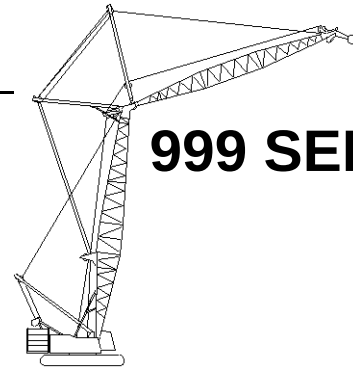


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



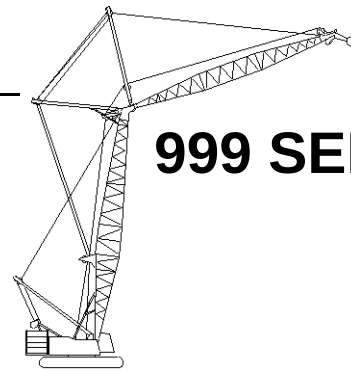
110 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	42,700													105
110	62.3	303.3	38,200*	63.4	305.0	41,800	65.2	307.1	40,000	66.9	308.7	38,100										110
115	60.7	300.5	36,900*	61.9	302.3	39,300	63.7	304.7	37,500	65.4	306.5	35,800										115
120	59.1	297.6	35,200*	60.3	299.5	37,000	62.1	302.1	35,300	63.9	304.0	33,600										120
125	57.5	294.4	33,600*	58.7	296.6	34,800	60.6	299.3	33,200	62.3	301.5	31,600										125
130	55.9	291.1	32,000*	57.1	293.4	32,900	59.0	296.3	31,400	60.8	298.7	29,800										130
135	54.2	287.6	30,500*	55.5	290.0	31,100	57.4	293.2	29,600	59.2	295.8	28,200	62.1	298.8	25,700							135
140	52.5	283.8	29,000*	53.8	286.4	29,500	55.7	289.8	28,000	57.6	292.7	26,600	60.6	296.1	24,300							140
145	50.7	279.8	27,600*	52.1	282.6	27,900	54.0	286.3	26,600	55.9	289.3	25,200	59.0	293.1	23,000							145
150	48.9	275.5	26,300*	50.3	278.5	26,500	52.3	282.5	25,200	54.3	285.8	23,900	57.4	290.0	21,700							150
155	47.1	270.9	25,100*	48.5	274.2	25,200	50.6	278.5	23,900	52.6	282.0	22,600	55.7	286.6	20,600							155
160	45.2	266.1	23,900*	46.7	269.6	23,900	48.8	274.2	22,700	50.8	278.0	21,500	54.0	283.0	19,500	57.1	286.3	17,500				160
165	43.2	260.9	22,800*	44.7	264.6	22,800	46.9	269.6	21,600	49.0	273.8	20,400	52.3	279.3	18,500	55.4	282.9	16,600				165
170	41.2	255.3	21,700*	42.8	259.3	21,700	45.0	264.7	20,500	47.2	269.2	19,400	50.6	275.2	17,500	53.7	279.3	15,700				170
175	39.0	249.3	20,700*	40.7	253.7	20,700	43.0	259.4	19,600	45.3	264.4	18,500	48.8	270.9	16,600	52.0	275.5	14,800				175
180	36.8	242.8	19,600*	38.5	247.5	19,700	41.0	253.8	18,600	43.3	259.2	17,600	46.9	266.3	15,800	50.3	271.4	14,100				180
185	34.4	235.7	18,500*	36.3	240.9	18,800	38.8	247.8	17,700	41.3	253.6	16,700	45.0	261.5	15,000	48.4	267.0	13,300	51.6	270.7	11,700	185
190	31.9	228.0	17,500*	33.9	233.7	17,900	36.6	241.2	16,900	39.1	247.7	15,900	43.0	256.2	14,200	46.6	262.4	12,600	49.8	266.5	11,000	190
195	29.2	219.4	16,600*	31.3	225.8	17,100	34.2	234.1	16,100	36.9	241.2	15,100	41.0	250.6	13,500	44.7	257.5	11,900	48.0	262.1	10,400	195
200	26.3	209.7	15,700*	28.5	217.0	16,300	31.7	226.3	15,400	34.6	234.1	14,400	38.8	244.5	12,900	42.7	252.2	11,300	46.1	257.4	9,800	200
205	22.9	198.6	14,900*	25.5	207.0	15,500*	29.0	217.6	14,700	32.0	226.4	13,700	36.6	238.0	12,200	40.6	246.5	10,700	44.2	252.4	9,200	205
210	19.1	185.4	14,100*	22.1	195.5	14,700*	26.0	207.9	14,000	29.3	217.9	13,100	34.2	230.9	11,600	38.5	240.3	10,100	42.2	247.0	8,700	210
215	14.2	168.2	12,700*	18.0	181.5	13,900*	22.6	196.6	13,300	26.4	208.3	12,500	31.7	223.1	11,000	36.2	233.7	9,600	40.1	241.2	8,200	215
220	6.2	139.4	10,200*	12.8	162.9	12,700*	18.7	183.1	12,700	23.1	197.3	11,900	29.0	214.4	10,400	33.8	226.4	9,100	37.9	234.9	7,700	220
225							13.7	165.4	12,100	19.3	184.1	11,300	26.0	204.6	9,900	31.2	218.5	8,600	35.6	228.1	7,200	225
230							4.8	133.5	10,900*	14.4	167.2	10,700	22.6	193.4	9,400	28.4	209.6	8,100	33.2	220.7	6,800	230
235										6.8	139.6	10,100	18.7	179.8	8,900	25.4	199.6	7,600	30.6	212.6	6,400	235
240													13.7	162.2	8,400	21.9	188.0	7,200	27.7	203.5	6,000	240
245													4.9	130.3	7,900	17.9	174.0	6,700	24.6	193.1	5,600	245
250																12.5	155.1	6,300	21.0	181.1	5,200	250
255																			16.7	166.1	4,800	255
260																			10.9	145.2	4,400	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	37,700										110
115	62.2	311.9	34,100*	63.3	313.6	38,900	64.9	315.8	37,100	66.6	317.4	35,300										115
120	60.7	309.2	33,800*	61.8	311.0	36,500	63.5	313.3	34,800	65.1	315.2	33,100										120
125	59.2	306.2	32,500*	60.3	308.2	34,400	62.0	310.7	32,800	63.7	312.7	31,200										125
130	57.6	303.1	31,100*	58.8	305.2	32,500	60.5	308.0	30,900	62.2	310.1	29,400										130
135	56.1	299.8	29,700*	57.3	302.1	30,700	59.0	305.0	29,200	60.7	307.4	27,700										135
140	54.5	296.3	28,400*	55.7	298.7	29,000	57.5	301.9	27,600	59.2	304.4	26,200	62.0	307.5	23,800							140
145	52.8	292.6	27,100*	54.1	295.2	27,500	55.9	298.5	26,100	57.7	301.3	24,700	60.5	304.7	22,500							145
150	51.2	288.6	25,900*	52.5	291.4	26,100	54.3	295.0	24,800	56.1	298.0	23,400	59.0	301.8	21,200							150
155	49.5	284.4	24,700*	50.8	287.4	24,800	52.7	291.3	23,500	54.5	294.5	22,200	57.5	298.6	20,100							155
160	47.7	280.0	23,600*	49.1	283.1	23,500	51.0	287.3	22,300	52.9	290.8	21,000	55.9	295.3	19,000							160
165	45.9	275.2	22,500*	47.3	278.6	22,400	49.3	283.1	21,200	51.3	286.9	20,000	54.3	291.8	18,000	57.2	295.0	16,000				165
170	44.1	270.2	21,300*	45.5	273.8	21,300	47.6	278.6	20,100	49.6	282.7	19,000	52.7	288.0	17,000	55.6	291.6	15,200				170
175	42.2	264.8	20,100*	43.6	268.6	20,300	45.8	273.8	19,100	47.8	278.2	18,000	51.0	284.1	16,100	54.0	288.0	14,300				175
180	40.2	259.0	19,000*	41.7	263.2	19,300	43.9	268.7	18,200	46.0	273.5	17,100	49.3	279.8	15,300	52.4	284.3	13,500				180
185	38.1	252.8	18,000*	39.7	257.3	18,400	42.0	263.3	17,300	44.2	268.5	16,300	47.6	275.4	14,500	50.7	280.2	12,800				185
190	35.9	246.0	17,000*	37.6	250.9	17,500	40.0	257.5	16,500	42.3	263.1	15,500	45.8	270.6	13,800	49.0	276.0	12,100	52.0	279.5	10,500	190
195	33.6	238.7	16,100*	35.4	244.1	16,700	37.9	251.2	15,700	40.3	257.3	14,700	43.9	265.5	13,100	47.3	271.4	11,400	50.3	275.4	9,900	195
200	31.2	230.8	15,200*	33.1	236.7	15,900	35.7	244.5	15,000	38.2	251.1	14,000	42.0	260.1	12,400	45.4	266.6	10,800	48.6	271.1	9,300	200
205	28.5	221.9	14,400*	30.6	228.5	15,000*	33.4	237.1	14,300	36.0	244.4	13,300	40.0	254.2	11,700	43.6	261.5	10,200	46.8	266.5	8,700	205
210	25.6	212.0	13,600*	27.9	219.4	14,200*	30.9	229.1	13,600	33.7	237.2	12,700	37.9	248.0	11,100	41.6	256.0	9,600	45.0	261.5	8,200	210
215	22.4	200.6	12,900*	24.9	209.2	13,400*	28.3	220.1	12,900	31.3	229.2	12,000	35.7	241.2	10,600	39.6	250.1	9,100	43.1	256.3	7,700	215
220	18.6	187.0	12,100*	21.6	197.4	12,700*	25.4	210.1	12,300	28.7	220.4	11,400	33.4	233.9	10,000	37.5	243.7	8,600	41.2	250.7	7,200	220
225	13.9	169.4	10,800*	17.6	183.1	12,000*	22.1	198.5	11,700	25.8	210.6	10,900	30.9	225.8	9,500	35.3	236.9	8,100	39.1	244.7	6,700	225
230	6.0	139.9	8,500*	12.5	164.0	10,800*	18.2	184.7	11,100	22.5	199.2	10,300	28.3	216.9	9,000	33.0	229.4	7,600	37.0	238.3	6,300	230
235							13.3	166.6	10,600	18.8	185.8	9,800	25.4	206.9	8,500	30.5	221.2	7,200	34.8	231.3	5,900	235
240							4.7	133.9	9,200*	14.1	168.4	9,300	22.1	195.3	8,000	27.8	212.1	6,700	32.4	223.6	5,500	240
245										6.6	140.2	8,700	18.2	181.4	7,500	24.8	201.8	6,300	29.8	215.2	5,100	245
250													13.3	163.3	7,100	21.4	189.9	5,900	27.1	205.9	4,700	250
255													4.7	130.7	6,600	17.4	175.5	5,500	24.0	195.3	4,300	255
260																12.3	156.2	5,100	20.5	182.9	4,000	260

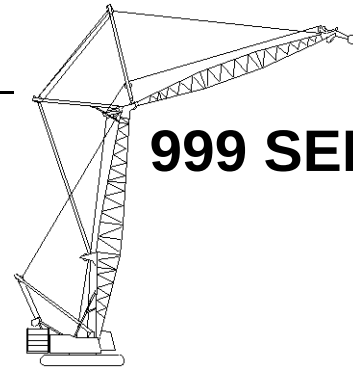


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



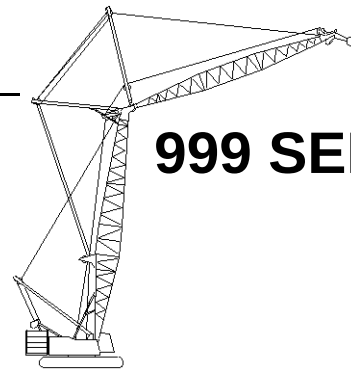
110 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	36,700	67.6	328.3	35,000							115
120	62.1	320.6	31,100*	63.1	322.3	36,100*	64.7	324.5	34,500	66.3	326.2	32,800							120
125	60.6	317.8	29,800*	61.7	319.7	34,100	63.3	322.0	32,500	64.9	323.8	30,800							125
130	59.2	314.9	28,500*	60.3	316.9	32,200	61.9	319.4	30,600	63.5	321.4	29,000							130
135	57.7	311.8	27,300*	58.8	313.9	30,400	60.5	316.6	28,900	62.1	318.8	27,400							135
140	56.2	308.5	26,200*	57.4	310.7	28,700	59.1	313.7	27,300	60.7	316.0	25,800							140
145	54.7	305.0	25,000*	55.9	307.4	27,200	57.6	310.5	25,800	59.3	313.1	24,400	61.9	316.2	22,100				145
150	53.2	301.3	24,000*	54.4	303.9	25,800	56.1	307.2	24,400	57.8	310.0	23,100	60.5	313.4	20,900				150
155	51.6	297.4	22,900*	52.8	300.2	24,500	54.6	303.7	23,200	56.3	306.7	21,900	59.1	310.4	19,800				155
160	50.0	293.3	21,900*	51.2	296.2	23,200	53.0	300.0	22,000	54.8	303.3	20,700	57.6	307.3	18,700				160
165	48.3	288.9	21,000*	49.6	292.0	22,100	51.4	296.1	20,900	53.2	299.6	19,700	56.1	304.0	17,700				165
170	46.6	284.3	20,100*	47.9	287.6	21,000	49.8	292.0	19,800	51.7	295.7	18,700	54.6	300.5	16,700	57.3	303.6	14,800	170
175	44.9	279.4	19,300*	46.2	282.9	20,000	48.2	287.6	18,800	50.0	291.6	17,700	53.0	296.8	15,800	55.8	300.3	14,000	175
180	43.1	274.1	18,500*	44.5	277.9	19,000	46.5	282.9	17,900	48.4	287.2	16,800	51.4	292.9	15,000	54.3	296.8	13,200	180
185	41.2	268.5	17,600*	42.6	272.6	18,100	44.7	278.0	17,000	46.7	282.6	16,000	49.8	288.7	14,200	52.7	293.0	12,500	185
190	39.3	262.5	16,600*	40.8	266.9	17,200	42.9	272.7	16,200	45.0	277.7	15,200	48.2	284.3	13,500	51.2	289.1	11,800	190
195	37.2	256.1	15,700*	38.8	260.8	16,400	41.0	267.1	15,400	43.2	272.4	14,400	46.5	279.7	12,800	49.5	284.9	11,100	195
200	35.1	249.2	14,800*	36.7	254.3	15,500*	39.1	261.0	14,700	41.3	266.9	13,700	44.7	274.7	12,100	47.9	280.4	10,500	200
205	32.9	241.7	14,000*	34.6	247.2	14,600*	37.0	254.6	14,000	39.3	260.9	13,000	42.9	269.4	11,500	46.2	275.7	9,900	205
210	30.5	233.5	13,200*	32.3	239.6	13,800*	34.9	247.6	13,300	37.3	254.5	12,400	41.0	263.8	10,800	44.4	270.7	9,300	210
215	27.9	224.4	12,500*	29.9	231.2	13,000*	32.6	240.0	12,700	35.2	247.6	11,800	39.1	257.8	10,300	42.6	265.4	8,800	215
220	25.1	214.2	11,800*	27.2	221.9	12,300*	30.2	231.8	12,000	33.0	240.1	11,200	37.0	251.4	9,700	40.7	259.7	8,300	220
225	21.9	202.5	11,100*	24.3	211.4	11,600*	27.6	222.6	11,500	30.6	232.0	10,600	34.9	244.4	9,200	38.7	253.6	7,800	225
230	18.2	188.6	10,400*	21.1	199.2	10,900*	24.8	212.3	10,900	28.0	222.9	10,100	32.6	236.8	8,700	36.7	247.1	7,300	230
235	13.5	170.6	9,100*	17.2	184.6	10,300*	21.6	200.4	10,400	25.2	212.8	9,500	30.2	228.5	8,200	34.5	240.0	6,900	235
240	5.9	140.4	7,000*	12.2	165.1	9,100*	17.8	186.2	9,800	22.0	201.2	9,000	27.6	219.4	7,700	32.2	232.3	6,400	240
245							13.0	167.7	9,300	18.4	187.4	8,600	24.8	209.1	7,300	29.8	223.9	6,000	245
250							4.6	134.2	7,600*	13.8	169.6	8,100	21.6	197.2	6,800	27.1	214.5	5,600	250
255										6.5	140.7	7,600	17.8	183.0	6,400	24.2	204.0	5,200	255
260													13.0	164.5	6,000	20.9	191.8	4,900	260
265													4.6	131.1	5,600	17.1	177.0	4,500	265
270																12.0	157.2	4,100	270

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			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	32,300							120
125	62.0	329.3	28,500*	63.0	331.0	33,100*	64.5	333.2	32,000	66.0	334.9	30,400							125
130	60.6	326.5	27,500*	61.7	328.3	31,800	63.2	330.7	30,200	64.7	332.5	28,600							130
135	59.2	323.5	26,400*	60.3	325.5	30,000	61.9	328.1	28,500	63.4	330.1	26,900							135
140	57.8	320.5	25,300*	58.9	322.6	28,300	60.5	325.3	26,900	62.0	327.5	25,400							140
145	56.4	317.2	24,300*	57.5	319.4	26,800	59.1	322.3	25,400	60.7	324.7	24,000							145
150	54.9	313.7	23,300*	56.1	316.1	25,400	57.7	319.2	24,000	59.3	321.8	22,700	61.9	324.8	20,400				150
155	53.5	310.1	22,400*	54.6	312.6	24,100	56.3	315.9	22,700	57.9	318.7	21,400	60.5	322.0	19,300				155
160	52.0	306.2	21,400*	53.1	308.9	22,800	54.8	312.5	21,600	56.5	315.4	20,300	59.1	319.1	18,200				160
165	50.4	302.2	20,600*	51.6	305.0	21,700	53.3	308.8	20,400	55.0	312.0	19,200	57.7	316.0	17,200				165
170	48.8	297.9	19,700*	50.1	300.9	20,600	51.8	304.9	19,400	53.5	308.3	18,200	56.3	312.7	16,200				170
175	47.2	293.3	18,900*	48.5	296.5	19,600	50.3	300.8	18,400	52.0	304.5	17,300	54.8	309.2	15,400	57.4	312.3	13,500	175
180	45.6	288.5	18,100*	46.8	291.9	18,600	48.7	296.5	17,500	50.5	300.4	16,400	53.3	305.6	14,500	56.0	309.0	12,700	180
185	43.9	283.4	17,100*	45.2	287.1	17,700	47.1	291.9	16,600	48.9	296.2	15,500	51.8	301.7	13,700	54.5	305.5	12,000	185
190	42.1	278.0	16,100*	43.5	281.9	16,800*	45.4	287.1	15,800	47.3	291.6	14,700	50.3	297.6	13,000	53.1	301.8	11,300	190
195	40.3	272.2	15,200*	41.7	276.4	15,900*	43.7	282.0	15,000	45.7	286.8	14,000	48.7	293.3	12,300	51.5	297.9	10,600	195
200	38.4	266.0	14,300*	39.8	270.5	15,000*	41.9	276.5	14,300	44.0	281.7	13,300	47.1	288.7	11,600	50.0	293.8	10,000	200
205	36.4	259.4	13,500*	37.9	264.3	14,100*	40.1	270.7	13,600	42.2	276.3	12,600	45.4	283.9	11,000	48.4	289.4	9,400	205
210	34.3	252.3	12,700*	35.9	257.5	13,300*	38.2	264.5	12,900	40.4	270.6	11,900	43.7	278.8	10,400	46.8	284.8	8,900	210
215	32.1	244.6	11,900*	33.8	250.3	12,500*	36.2	257.9	12,300	38.5	264.4	11,300	42.0	273.3	9,800	45.1	279.9	8,300	215
220	29.8	236.1	11,200*	31.6	242.4	11,800*	34.1	250.7	11,600	36.5	257.8	10,700	40.1	267.5	9,300	43.4	274.7	7,800	220
225	27.3	226.8	10,600*	29.2	233.8	11,100*	31.9	242.9	11,100	34.4	250.7	10,200	38.2	261.3	8,700	41.6	269.2	7,300	225
230	24.5	216.4	9,900*	26.7	224.2	10,400*	29.6	234.4	10,500	32.2	243.0	9,600	36.2	254.6	8,200	39.8	263.3	6,800	230
235	21.4	204.4	9,300*	23.8	213.5	9,700*	27.0	225.0	10,000	29.9	234.6	9,100	34.1	247.5	7,800	37.9	257.0	6,400	235
240	17.8	190.1	8,700*	20.6	201.0	9,100*	24.2	214.4	9,500	27.4	225.4	8,600	31.9	239.7	7,300	35.9	250.3	6,000	240
245	13.2	171.7	7,500*	16.8	186.0	8,500*	21.1	202.3	9,000	24.6	215.0	8,200	29.6	231.2	6,800	33.8	243.0	5,600	245
250	5.8	140.9	5,400*	11.9	166.1	7,400*	17.4	187.7	8,500	21.6	203.1	7,700	27.0	221.8	6,400	31.5	235.1	5,200	250
255							12.8	168.8	8,000	18.0	188.9	7,300	24.2	211.2	6,000	29.1	226.5	4,800	255
260							4.5	134.6	6,100*	13.5	170.8	6,800	21.1	199.1	5,600	26.6	216.9	4,400	260
265										6.3	141.2	6,400	17.4	184.5	5,200	23.7	206.1	4,000	265
270													12.8	165.6	4,800				270
275													4.5	131.4	4,400				275

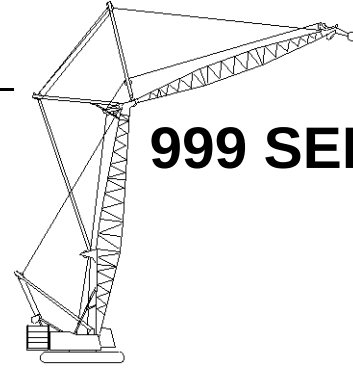


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 70 Ft. Jib

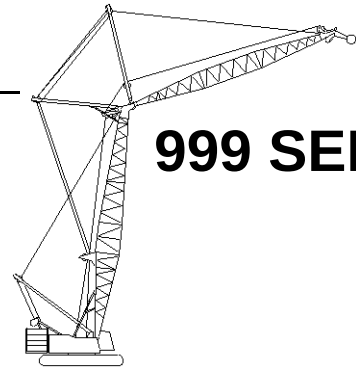
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.0	202.7	127,700*b																			40
45	66.1	200.6	118,100*b	69.4	202.1	125,500*b																45
50	62.1	198.1	109,600*b	65.5	199.9	116,200*b																50
55	57.9	195.1	102,200*	61.4	197.3	108,100*b	66.5	199.8	107,300b													55
60	53.6	191.6	95,600*	57.2	194.3	99,200	62.5	197.3	95,800b	67.4	199.3	92,500b										60
65	48.9	187.4	89,900*	52.8	190.7	89,500	58.3	194.4	86,400	63.4	196.9	83,400b										65
70	43.9	182.5	83,200	48.1	186.4	81,400	53.9	190.9	78,600	59.3	194.1	75,800										70
75	38.3	176.6	76,200	43.0	181.3	74,500	49.3	186.8	71,900	55.0	190.7	69,400										75
80	32.0	169.2	70,100	37.3	175.2	68,600	44.3	181.9	66,200	50.4	186.8	63,900	59.5	191.7	60,000							80
85	24.1	159.5	64,800	30.8	167.5	63,400	38.8	176.1	61,300	45.5	182.1	59,100	55.2	188.4	55,500							85
90	11.8	143.1	58,300*	22.5	157.2	58,900	32.5	168.9	56,900	40.2	176.6	54,900	50.6	184.5	51,500							90
95				8.1	137.7	54,700	24.8	159.4	53,000	34.1	169.8	51,200	45.7	179.9	48,000	55.1	185.0	44,900				95
100							13.3	144.2	49,500	26.9	160.9	47,800	40.4	174.3	44,900	50.5	181.1	41,900				100
105										16.8	147.9	44,800	34.4	167.6	42,100	45.7	176.5	39,300				105
110													27.2	158.9	39,500	40.3	170.9	36,900	50.2	176.6	34,300	110
115													17.3	146.0	37,100	34.3	164.1	34,700	45.2	171.9	32,300	115
120																27.0	155.4	32,700	39.8	166.2	30,500	120
125																17.1	142.4	30,900	33.7	159.3	28,800	125
130																			26.4	150.3	27,200	130
135																			16.0	136.8	25,700	135

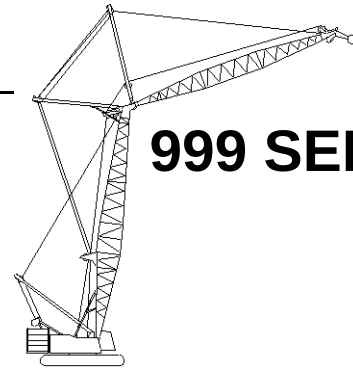


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 90 Ft. Jib

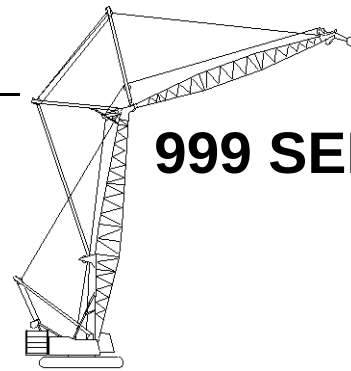
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	223.8	119,200*b																			40
45	71.1	222.2	111,000*b	73.7	223.3	117,500*b																45
50	68.1	220.3	103,600*	70.6	221.6	109,600*b																50
55	64.9	218.0	96,900*	67.5	219.6	102,400*																55
60	61.7	215.4	90,900*	64.4	217.3	95,900*	68.3	219.4	95,000													60
65	58.4	212.5	85,500*	61.1	214.7	88,900	65.2	217.2	85,700													65
70	54.9	209.1	80,700*	57.8	211.6	80,800	62.0	214.6	77,900	65.9	216.7	75,000										70
75	51.3	205.2	75,700	54.3	208.2	73,900	58.6	211.7	71,200	62.7	214.2	68,600										75
80	47.5	200.8	69,700	50.7	204.2	68,100	55.2	208.4	65,600	59.4	211.4	63,100										80
85	43.4	195.8	64,500	46.8	199.7	63,000	51.6	204.5	60,600	56.0	208.2	58,300	62.9	211.9	54,500							85
90	39.0	189.9	59,900	42.7	194.6	58,500	47.8	200.2	56,300	52.5	204.5	54,200	59.6	209.0	50,600							90
95	34.1	182.9	55,600*	38.2	188.5	54,500	43.7	195.2	52,500	48.7	200.2	50,500	56.2	205.8	47,100							95
100	28.4	174.5	51,900*	33.2	181.4	51,000	39.4	189.4	49,100	44.7	195.4	47,200	52.6	202.1	44,100							100
105	21.4	163.3	49,000	27.4	172.6	47,800	34.5	182.6	46,000	40.4	189.8	44,300	48.9	197.9	41,300	56.1	202.4	38,400				105
110	10.5	144.9	44,200*	20.0	160.8	44,900	28.9	174.2	43,300	35.7	183.3	41,600	44.9	193.1	38,800	52.5	198.7	36,000				110
115				7.1	138.9	42,200	22.1	163.4	40,700	30.4	175.4	39,200	40.6	187.6	36,500	48.8	194.5	33,900				115
120							11.8	146.2	38,400				35.9	181.1	34,500	44.8	189.7	32,000	52.2	194.2	29,500	120
125													30.6	173.2	32,600	40.5	184.2	30,200	48.5	190.0	27,900	125
130													24.2	163.2	30,800	35.8	177.6	28,500	44.5	185.1	26,300	130
135													15.4	148.7	29,100	30.5	169.7	27,000	40.2	179.5	24,900	135
140																24.1	159.7	25,600	35.4	172.9	23,600	140
145																15.2	145.1	24,300	30.0	164.8	22,400	145
150																			23.5	154.6	21,200	150
155																			14.2	139.3	20,100	155

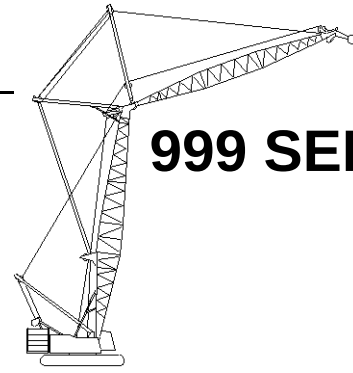


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



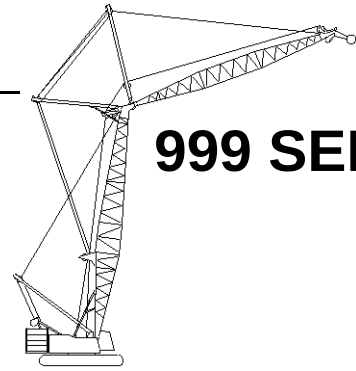
120 Ft. Boom, 110 Ft. Jib

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

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	243.2	97,500*b																			45
50	71.9	241.6	96,200*	74.0	242.7	102,500*b																50
55	69.3	239.8	91,500*	71.5	241.1	96,400*																55
60	66.7	237.7	86,100*	68.9	239.2	90,800*																60
65	64.1	235.4	81,200*	66.3	237.1	85,500*	69.5	239.0	85,100													65
70	61.4	232.7	76,800*	63.7	234.7	80,300	67.0	236.9	77,300													70
75	58.6	229.8	72,700*	61.0	232.0	73,400	64.3	234.6	70,700	67.6	236.4	67,900										75
80	55.8	226.5	68,800*	58.2	229.0	67,600	61.6	232.0	65,000	65.0	234.1	62,400										80
85	52.8	222.8	63,500*	55.3	225.6	62,500	58.9	229.0	60,100	62.3	231.6	57,700										85
90	49.7	218.7	58,600*	52.3	221.9	58,000	56.0	225.8	55,800	59.5	228.7	53,600										90
95	46.5	214.1	54,100*	49.2	217.7	54,100	53.1	222.1	52,000	56.7	225.5	49,900	62.4	229.2	46,400							95
100	43.1	209.0	50,000*	45.9	213.0	50,600	50.0	218.1	48,600	53.8	222.0	46,600	59.6	226.4	43,400							100
105	39.4	203.2	46,500*	42.5	207.8	47,500	46.8	213.5	45,600	50.7	218.0	43,700	56.8	223.2	40,600							105
110	35.4	196.5	43,400*	38.8	201.8	44,600	43.4	208.4	42,900	47.6	213.6	41,100	53.9	219.7	38,100							110
115	31.0	188.6	40,700*	34.7	195.0	42,100	39.7	202.7	40,400	44.2	208.7	38,700	50.8	215.7	35,900	56.8	219.8	33,200				115
120	25.8	179.1	38,500*	30.2	186.9	39,700	35.8	196.0	38,100	40.6	203.1	36,500	47.7	211.3	33,900	53.8	216.3	31,300				120
125	19.5	166.8	36,900*	24.9	177.1	37,600	31.4	188.3	36,000	36.7	196.7	34,500	44.3	206.4	32,000	50.8	212.3	29,500				125
130	9.5	146.6	34,400*	18.2	164.0	35,500	26.3	179.0	34,100	32.5	189.3	32,700	40.7	200.8	30,300	47.6	207.9	27,900				130
135				6.5	139.9	33,600*	20.1	167.0	32,300	27.6	180.4	31,000	36.9	194.5	28,700	44.3	203.0	26,400	50.5	207.8	24,200	135
140							10.7	148.1	30,700	21.7	169.2	29,400	32.6	187.1	27,200	40.7	197.4	25,000	47.4	203.3	22,900	140
145										13.6	152.9	27,900	27.8	178.3	25,800	36.8	191.0	23,800	44.0	198.4	21,700	145
150													22.0	167.2	24,600	32.6	183.6	22,600	40.4	192.7	20,600	150
155													14.0	151.2	23,300	27.7	174.8	21,500	36.5	186.3	19,600	155
160																21.9	163.7	20,400	32.2	178.8	18,600	160
165																13.8	147.5	19,400	27.3	169.8	17,700	165
170																			21.3	158.4	16,800	170
175																			12.9	141.5	15,900	175

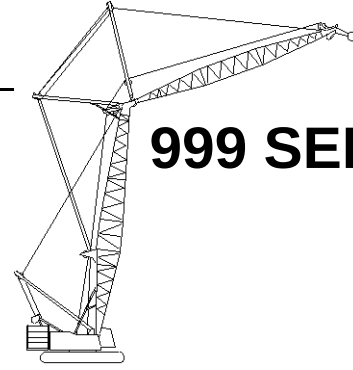


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 130 Ft. Jib

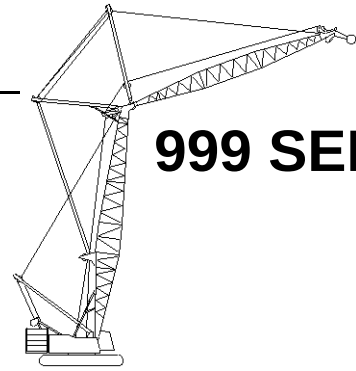
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	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	76,400													70
75	63.5	252.7	69,200*	65.4	254.5	72,700*	68.2	256.5	69,800													75
80	61.2	250.1	65,700*	63.1	252.0	66,800	66.0	254.3	64,200													80
85	58.8	247.1	61,100*	60.8	249.3	61,800	63.7	251.9	59,300	66.5	253.8	56,800										85
90	56.4	243.9	56,900*	58.4	246.3	57,300	61.4	249.3	55,000	64.3	251.5	52,700										90
95	53.9	240.3	53,000*	56.0	243.0	53,400	59.0	246.4	51,200	62.0	248.9	49,000										95
100	51.3	236.4	49,400*	53.5	239.4	49,900	56.6	243.2	47,800	59.6	246.0	45,800										100
105	48.6	232.2	46,000*	50.9	235.5	46,800	54.1	239.6	44,800	57.2	242.9	42,900	62.0	246.5	39,700							105
110	45.8	227.4	42,900*	48.1	231.1	44,000	51.5	235.8	42,100	54.7	239.5	40,300	59.7	243.7	37,200							110
115	42.8	222.2	40,000*	45.3	226.3	41,400	48.8	231.5	39,600	52.1	235.7	37,900	57.3	240.6	35,000							115
120	39.7	216.4	37,500*	42.3	221.0	39,100	46.0	226.8	37,400	49.5	231.5	35,700	54.8	237.1	33,000							120
125	36.3	209.9	35,300*	39.2	215.1	36,900	43.1	221.7	35,300	46.7	226.9	33,700	52.2	233.4	31,100	57.2	237.2	28,500				125
130	32.7	202.5	33,300*	35.7	208.4	35,000	40.0	215.9	33,500	43.8	221.9	31,900	49.6	229.2	29,400	54.8	233.7	26,900				130
135	28.6	193.8	31,500*	32.0	200.8	33,200	36.6	209.4	31,700	40.7	216.3	30,300	46.8	224.7	27,800	52.2	230.0	25,500				135
140	23.9	183.4	30,100*	27.9	192.0	31,500	33.0	202.1	30,100	37.4	210.0	28,700	43.9	219.6	26,400	49.5	225.8	24,100				140
145	18.0	170.0	29,100*	23.0	181.2	29,900	28.9	193.6	28,600	33.9	202.9	27,300	40.8	214.0	25,100	46.8	221.3	22,900	52.0	225.5	20,700	145
150	8.8	148.0	26,900*	16.8	167.0	28,500	24.3	183.4	27,200	30.0	194.7	25,900	37.6	207.8	23,800	43.9	216.2	21,700	49.3	221.3	19,600	150
155				5.9	140.9	26,300*	18.5	170.3	25,900	25.5	185.0	24,700	34.0	200.7	22,600	40.8	210.6	20,600	46.5	216.7	18,600	155
160							9.9	149.8	24,600	20.1	172.8	23,500	30.1	192.6	21,500	37.5	204.4	19,600	43.6	211.6	17,700	160
165										12.5	155.0	22,300	25.6	182.9	20,500	34.0	197.3	18,600	40.5	206.0	16,800	165
170													20.3	170.8	19,500	30.0	189.1	17,700	37.2	199.6	15,900	170
175													12.9	153.4	18,600	25.6	179.4	16,900	33.7	192.5	15,100	175
180																20.2	167.3	16,000	29.7	184.2	14,400	180
185																12.7	149.7	15,200	25.2	174.4	13,700	185
190																			19.7	161.9	13,000	190
195																			11.9	143.6	12,300	195

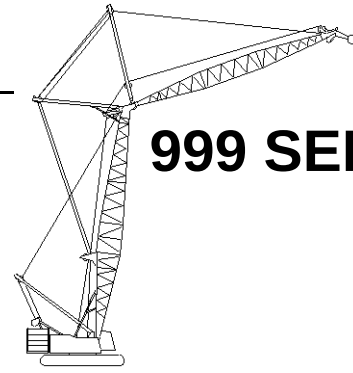


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 150 Ft. Jib

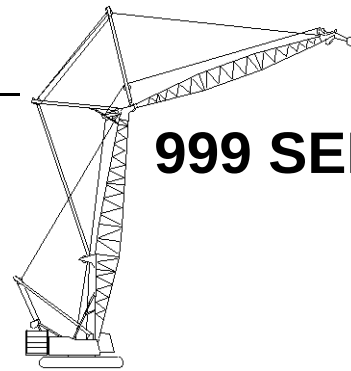
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	69,700													75
80	63.3	261.4	63,500*	65.1	263.2	66,700	67.7	265.3	64,000													80
85	61.1	258.7	59,500*	62.9	260.7	61,600	65.6	263.1	59,100													85
90	58.9	255.8	55,600*	60.8	258.0	57,200	63.5	260.6	54,800	66.1	262.6	52,500										90
95	56.6	252.6	52,000*	58.5	255.0	53,200	61.3	257.9	51,000	64.0	260.2	48,800										95
100	54.3	249.1	48,600*	56.3	251.7	49,700	59.1	255.0	47,700	61.8	257.6	45,600										100
105	51.9	245.3	45,400*	53.9	248.2	46,600	56.8	251.8	44,700	59.6	254.7	42,700										105
110	49.4	241.1	42,500*	51.5	244.3	43,800	54.5	248.4	41,900	57.4	251.6	40,100	61.9	255.2	37,000							110
115	46.8	236.5	39,800*	49.0	240.1	41,200	52.1	244.6	39,500	55.1	248.2	37,700	59.7	252.4	34,800							115
120	44.1	231.5	37,200*	46.4	235.4	38,900	49.6	240.4	37,200	52.7	244.5	35,600	57.5	249.2	32,800							120
125	41.3	226.0	35,000*	43.7	230.4	36,800	47.1	235.9	35,200	50.2	240.4	33,600	55.2	245.8	30,900							125
130	38.3	219.9	32,900*	40.8	224.7	34,900	44.4	230.9	33,300	47.7	236.0	31,800	52.8	242.1	29,200	57.4	245.9	26,700				130
135	35.0	213.1	31,100*	37.8	218.5	33,100	41.5	225.5	31,600	45.0	231.1	30,100	50.3	238.1	27,700	55.1	242.5	25,300				135
140	31.5	205.3	29,500*	34.5	211.5	31,400	38.5	219.4	30,000	42.2	225.8	28,600	47.8	233.7	26,200	52.7	238.7	23,900				140
145	27.6	196.3	28,100*	30.9	203.6	29,800	35.3	212.6	28,500	39.3	219.9	27,100	45.1	228.8	24,900	50.3	234.7	22,700				145
150	23.0	185.5	26,900*	26.9	194.4	28,400	31.8	205.0	27,100	36.1	213.3	25,800	42.3	223.5	23,600	47.7	230.3	21,500	52.5	234.2	19,500	150
155	17.3	171.5	26,100*	22.2	183.1	27,100	27.9	196.1	25,800	32.7	205.9	24,600	39.4	217.6	22,500	45.1	225.4	20,400	50.1	230.2	18,400	155
160	8.4	148.8	24,000*	16.2	168.4	25,800	23.4	185.5	24,600	28.9	197.3	23,400	36.2	211.1	21,400	42.3	220.1	19,400	47.5	225.7	17,500	160
165				5.7	141.3	23,500*	17.9	171.8	23,400	24.6	187.2	22,300	32.8	203.7	20,400	39.3	214.2	18,500	44.9	220.8	16,600	165
170							9.5	150.6	22,300	19.4	174.4	21,200	29.0	195.2	19,400	36.2	207.6	17,600	42.1	215.5	15,800	170
175										12.1	156.1	20,200	24.7	185.1	18,500	32.8	200.2	16,700	39.1	209.5	15,000	175
180													19.6	172.5	17,600	29.0	191.7	15,900	35.9	202.9	14,200	180
185													12.4	154.5	16,800	24.7	181.6	15,200	32.5	195.4	13,500	185
190																19.5	169.0	14,400	28.7	186.8	12,900	190
195																12.3	150.8	13,700	24.3	176.5	12,200	195
200																			19.0	163.6	11,600	200
205																			11.5	144.6	11,000	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	282.0	65,400*																			55
60	72.8	280.5	64,500*																			60
65	70.9	278.8	63,500*	72.5	279.9	75,500*																65
70	69.0	276.9	62,500*	70.6	278.2	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	63,500													80
85	63.1	270.1	57,500*	64.8	271.9	61,200	67.2	274.0	58,600													85
90	61.1	267.4	54,100*	62.8	269.4	56,700	65.3	271.8	54,400	67.7	273.5	52,000										90
95	59.0	264.5	50,700*	60.7	266.6	52,800	63.3	269.3	50,600	65.7	271.3	48,300										95
100	56.9	261.3	47,600*	58.6	263.6	49,300	61.2	266.6	47,200	63.7	268.9	45,100										100
105	54.7	257.8	44,700*	56.5	260.4	46,200	59.2	263.7	44,200	61.7	266.2	42,200										105
110	52.4	254.0	42,000*	54.3	256.9	43,400	57.0	260.5	41,500	59.7	263.4	39,600										110
115	50.1	250.0	39,400*	52.1	253.1	40,800	54.9	257.1	39,000	57.5	260.3	37,200	61.8	263.9	34,300							115
120	47.7	245.5	37,000*	49.7	249.0	38,500	52.6	253.4	36,800	55.4	256.9	35,100	59.7	261.0	32,200							120
125	45.2	240.7	34,700*	47.3	244.5	36,400	50.3	249.3	34,800	53.2	253.2	33,100	57.6	257.9	30,400							125
130	42.6	235.4	32,700*	44.8	239.6	34,500	47.9	244.9	32,900	50.9	249.3	31,300	55.5	254.6	28,700							130
135	39.9	229.7	30,800*	42.2	234.2	32,700	45.5	240.1	31,200	48.5	245.0	29,700	53.2	250.9	27,200	57.6	254.5	24,700				135
140	37.0	223.3	29,200*	39.4	228.4	31,000	42.9	234.9	29,600	46.1	240.3	28,100	51.0	247.0	25,700	55.4	251.2	23,400				140
145	33.9	216.1	27,700*	36.5	221.8	29,500	40.1	229.1	28,100	43.5	235.1	26,700	48.6	242.7	24,400	53.2	247.5	22,100				145
150	30.5	208.0	26,300*	33.3	214.6	28,000	37.2	222.8	26,700	40.8	229.5	25,400	46.2	238.0	23,200	50.9	243.6	21,000				150
155	26.7	198.6	25,200*	29.9	206.3	26,700	34.1	215.7	25,400	38.0	223.3	24,100	43.6	232.9	22,000	48.6	239.3	19,900	53.0	243.0	17,900	155
160	22.3	187.4	24,200*	26.0	196.7	25,400	30.8	207.7	24,200	34.9	216.4	23,000	40.9	227.3	20,900	46.1	234.6	18,900	50.7	239.0	16,900	160
165	16.8	172.9	23,600*	21.5	185.0	24,300	27.0	198.5	23,100	31.6	208.7	21,900	38.1	221.1	19,900	43.6	229.5	18,000	48.4	234.7	16,100	165
170	8.2	149.4	21,200*	15.7	169.7	23,100	22.7	187.4	22,000	27.9	199.8	20,900	35.0	214.2	18,900	40.9	223.9	17,100	45.9	230.0	15,200	170
175				5.5	141.8	20,800*	17.3	173.3	21,000	23.8	189.3	19,900	31.7	206.5	18,000	38.0	217.7	16,200	43.3	224.8	14,400	175
180							9.2	151.3	20,000	18.7	176.1	19,000	28.1	197.7	17,200	35.0	210.8	15,400	40.6	219.2	13,700	180
185										11.7	157.1	18,100	23.9	187.2	16,400	31.7	203.1	14,700	37.8	213.0	13,000	185
190													18.9	174.2	15,600	28.0	194.2	14,000	34.7	206.0	12,400	190
195													12.0	155.5	14,800	23.9	183.7	13,300	31.4	198.2	11,700	195
200																18.8	170.6	12,600	27.7	189.2	11,100	200
205																11.9	151.8	12,000	23.5	178.6	10,600	205
210																			18.4	165.2	10,000	210
215																			11.1	145.5	9,400	215

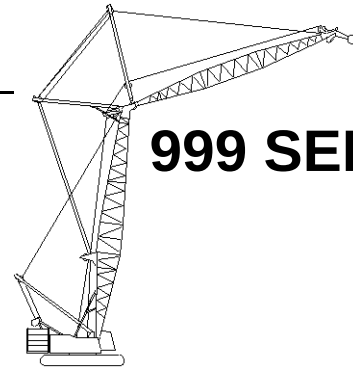


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 170 Ft. Jib

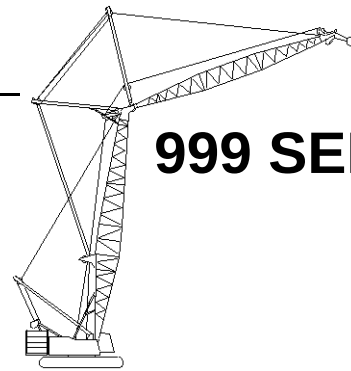
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	63,200													80
85	64.8	281.3	55,000*	66.3	282.9	60,800	68.6	284.8	58,300													85
90	62.9	278.8	52,300*	64.5	280.6	56,400	66.8	282.7	54,000													90
95	61.0	276.1	49,400*	62.6	278.0	52,500	65.0	280.4	50,200	67.2	282.2	48,000										95
100	59.0	273.1	46,500*	60.7	275.3	49,000	63.1	278.0	46,900	65.4	280.0	44,700										100
105	57.0	269.9	43,800*	58.7	272.3	45,900	61.2	275.3	43,800	63.5	277.5	41,800										105
110	55.0	266.5	41,300*	56.7	269.1	43,100	59.2	272.4	41,100	61.6	274.9	39,200										110
115	52.9	262.8	38,900*	54.7	265.6	40,500	57.2	269.2	38,700	59.7	272.0	36,900										115
120	50.7	258.8	36,600*	52.6	261.9	38,200	55.2	265.8	36,500	57.7	268.9	34,700	61.7	272.5	31,800							120
125	48.5	254.5	34,500*	50.4	257.8	36,100	53.1	262.1	34,400	55.7	265.6	32,700	59.7	269.7	30,000							125
130	46.2	249.8	32,500*	48.1	253.5	34,100	50.9	258.2	32,500	53.6	262.0	30,900	57.8	266.6	28,300							130
135	43.8	244.8	30,600*	45.8	248.7	32,400	48.7	253.9	30,800	51.5	258.1	29,300	55.7	263.3	26,800							135
140	41.3	239.2	29,000*	43.4	243.6	30,700	46.4	249.2	29,200	49.3	253.9	27,800	53.7	259.7	25,300	57.7	263.2	23,000				140
145	38.7	233.2	27,500*	40.9	238.0	29,200	44.0	244.2	27,700	47.0	249.3	26,300	51.5	255.8	24,000	55.7	259.9	21,700				145
150	35.8	226.5	26,100*	38.2	231.8	27,700	41.5	238.7	26,400	44.6	244.4	25,000	49.3	251.6	22,800	53.6	256.3	20,600				150
155	32.8	219.1	24,800*	35.4	225.0	26,400	38.9	232.7	25,100	42.1	239.0	23,800	47.1	247.0	21,600	51.5	252.4	19,500				155
160	29.5	210.6	23,700*	32.3	217.5	25,200	36.1	226.1	23,900	39.5	233.1	22,600	44.7	242.1	20,500	49.3	248.2	18,500				160
165	25.8	200.9	22,700*	28.9	208.9	24,000	33.1	218.7	22,800	36.8	226.7	21,600	42.2	236.8	19,500	47.0	243.6	17,600	51.3	247.9	15,600	165
170	21.6	189.3	22,000*	25.2	198.9	22,900	29.8	210.4	21,700	33.8	219.5	20,500	39.6	230.9	18,600	44.7	238.7	16,700	49.1	243.6	14,800	170
175	16.3	174.4	21,400*	20.8	186.8	21,800	26.2	200.8	20,700	30.6	211.4	19,600	36.9	224.5	17,700	42.2	233.3	15,800	46.8	239.1	14,000	175
180	7.9	150.1	18,700*	15.2	171.1	20,800	22.0	189.4	19,800	27.1	202.2	18,700	33.9	217.3	16,900	39.6	227.5	15,100	44.5	234.1	13,300	180
185				5.3	142.2	18,300*	16.8	174.8	18,900	23.0	191.3	17,800	30.7	209.3	16,100	36.8	221.0	14,300	42.0	228.7	12,600	185
190							8.9	152.1	18,000	18.1	177.7	17,000	27.2	200.1	15,300	33.9	213.9	13,600	39.4	222.8	12,000	190
195										11.3	158.0	16,200	23.2	189.2	14,600	30.7	205.8	12,900	36.6	216.3	11,300	195
200													18.3	175.8	13,900	27.2	196.6	12,300	33.6	209.1	10,800	200
205													11.6	156.5	13,200	23.1	185.7	11,700	30.4	200.9	10,200	205
210																18.3	172.2	11,100	26.9	191.6	9,700	210
215																11.5	152.8	10,500	22.8	180.6	9,100	215
220																			17.8	166.7	8,600	220
225																			10.8	146.5	8,100	225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.8	301.3	54,400*																			60
65	73.1	299.9	53,500*																			65
70	71.4	298.2	52,800*	72.8	299.3	61,400*																70
75	69.7	296.4	52,100*	71.1	297.6	61,100*																75
80	68.0	294.4	51,400*	69.5	295.8	60,800*																80
85	66.3	292.3	50,700*	67.7	293.8	59,100*	69.9	295.6	57,800													85
90	64.5	290.0	50,300*	66.0	291.6	56,000	68.2	293.6	53,500													90
95	62.8	287.4	47,700*	64.2	289.3	52,100	66.4	291.5	49,700													95
100	60.9	284.7	45,200*	62.5	286.7	48,600	64.7	289.1	46,400	66.9	290.9	44,200										100
105	59.1	281.8	42,700*	60.6	283.9	45,500	62.9	286.6	43,400	65.1	288.7	41,300										105
110	57.2	278.6	40,400*	58.8	281.0	42,600	61.1	283.9	40,700	63.3	286.2	38,700										110
115	55.3	275.2	38,100*	56.9	277.8	40,100	59.3	281.0	38,200	61.5	283.6	36,400										115
120	53.3	271.6	36,100*	55.0	274.4	37,800	57.4	277.9	36,000	59.7	280.7	34,200										120
125	51.3	267.7	34,100*	53.0	270.7	35,700	55.5	274.5	34,000	57.8	277.6	32,300	61.6	281.2	29,500							125
130	49.2	263.4	32,200*	51.0	266.7	33,700	53.5	270.9	32,100	55.9	274.3	30,500	59.8	278.3	27,800							130
135	47.1	258.9	30,400*	48.9	262.4	31,900	51.5	267.0	30,400	54.0	270.7	28,800	57.9	275.3	26,200							135
140	44.8	254.0	28,800*	46.7	257.8	30,300	49.4	262.8	28,800	52.0	266.9	27,300	56.0	272.0	24,800							140
145	42.5	248.7	27,200*	44.5	252.8	28,800	47.2	258.3	27,300	49.9	262.8	25,900	54.0	268.4	23,500	57.9	271.9	21,200				145
150	40.1	242.9	25,900*	42.1	247.5	27,300	45.0	253.4	25,900	47.8	258.3	24,600	52.0	264.6	22,300	56.0	268.6	20,000				150
155	37.5	236.6	24,600*	39.7	241.6	26,000	42.7	248.1	24,700	45.6	253.6	23,300	50.0	260.5	21,100	54.0	265.0	19,000				155
160	34.8	229.6	23,400*	37.1	235.2	24,800	40.3	242.4	23,500	43.3	248.4	22,200	47.8	256.0	20,000	52.0	261.2	18,000				160
165	31.9	221.9	22,400*	34.3	228.1	23,600	37.7	236.1	22,400	40.9	242.8	21,100	45.6	251.3	19,000	49.9	257.1	17,000				165
170	28.7	213.2	21,400*	31.4	220.3	22,500	35.0	229.2	21,300	38.4	236.6	20,100	43.4	246.1	18,100	47.8	252.6	16,100	51.8	256.7	14,200	170
175	25.1	203.2	20,600*	28.1	211.4	21,500	32.1	221.6	20,300	35.7	229.9	19,100	41.0	240.5	17,200	45.6	247.9	15,300	49.8	252.5	13,500	175
180	20.9	191.2	20,000*	24.5	201.0	20,500	28.9	213.0	19,400	32.8	222.4	18,200	38.5	234.4	16,400	43.3	242.7	14,500	47.6	248.1	12,800	180
185	15.8	175.7	19,400*	20.2	188.6	19,600	25.4	203.1	18,500	29.7	214.1	17,400	35.8	227.7	15,600	40.9	237.1	13,800	45.4	243.3	12,100	185
190	7.7	150.7	16,300*	14.8	172.3	18,700	21.3	191.2	17,600	26.3	204.5	16,600	32.9	220.3	14,800	38.4	231.0	13,100	43.1	238.1	11,400	190
195				5.2	142.6	16,000*	16.3	176.2	16,800	22.4	193.2	15,800	29.8	211.9	14,100	35.7	224.3	12,400	40.7	232.4	10,800	195
200							8.7	152.8	16,000	17.6	179.2	15,100	26.4	202.4	13,400	32.9	216.8	11,800	38.2	226.3	10,200	200
205										11.0	159.0	14,300	22.5	191.2	12,800	29.8	208.5	11,200	35.5	219.5	9,700	205
210													17.8	177.3	12,200	26.4	198.9	10,600	32.7	212.0	9,100	210
215													11.3	157.5	11,500	22.5	187.7	10,100	29.5	203.6	8,600	215
220																17.7	173.7	9,500	26.1	193.9	8,100	220
225																11.2	153.7	9,000	22.1	182.5	7,700	225
230																			17.3	168.2	7,200	230
235																			10.5	147.3	6,800	235

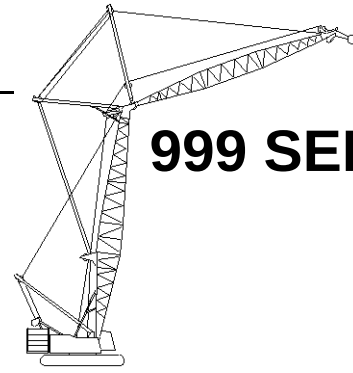


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 190 Ft. Jib

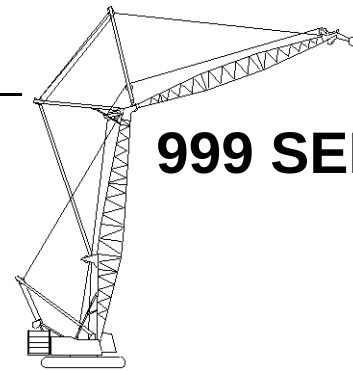
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	51,800	67.7	302.3	49,500													95
100	62.6	296.1	44,000*	64.0	297.9	48,400	66.1	300.2	46,200													100
105	60.9	293.4	41,800*	62.3	295.4	45,200	64.4	297.8	43,200	66.5	299.7	41,100										105
110	59.1	290.4	39,600*	60.6	292.6	42,400	62.8	295.3	40,500	64.8	297.4	38,500										110
115	57.4	287.3	37,600*	58.9	289.6	39,900	61.0	292.6	38,000	63.2	294.9	36,100										115
120	55.5	283.9	35,600*	57.1	286.5	37,600	59.3	289.7	35,800	61.4	292.2	34,000										120
125	53.7	280.3	33,800*	55.2	283.1	35,500	57.5	286.6	33,700	59.7	289.3	32,000										125
130	51.8	276.5	32,000*	53.4	279.4	33,500	55.7	283.2	31,900	57.9	286.3	30,300	61.5	289.9	27,600							130
135	49.8	272.3	30,300*	51.5	275.5	31,700	53.8	279.6	30,200	56.1	283.0	28,600	59.8	287.0	26,000							135
140	47.8	267.9	28,800*	49.5	271.3	30,100	51.9	275.8	28,600	54.3	279.5	27,100	58.0	283.9	24,600							140
145	45.7	263.1	27,300*	47.5	266.8	28,600	50.0	271.7	27,100	52.4	275.7	25,700	56.2	280.7	23,300							145
150	43.6	258.0	25,900*	45.4	262.0	27,100	48.0	267.3	25,700	50.5	271.6	24,300	54.4	277.1	22,000	58.0	280.6	19,800				150
155	41.3	252.5	24,600*	43.2	256.8	25,800	45.9	262.5	24,500	48.5	267.3	23,100	52.5	273.4	20,900	56.2	277.3	18,700				155
160	39.0	246.5	23,400*	40.9	251.2	24,600	43.7	257.4	23,300	46.4	262.7	22,000	50.5	269.3	19,800	54.3	273.7	17,700				160
165	36.5	239.9	22,300*	38.6	245.1	23,400	41.5	251.9	22,200	44.3	257.6	20,900	48.5	265.0	18,800	52.4	270.0	16,800				165
170	33.8	232.7	21,300*	36.0	238.5	22,300	39.2	246.0	21,100	42.1	252.2	19,900	46.5	260.4	17,900	50.5	265.9	15,900				170
175	31.0	224.7	20,400*	33.4	231.1	21,300	36.7	239.5	20,100	39.7	246.4	18,900	44.4	255.4	17,000	48.5	261.6	15,100	52.3	265.5	13,300	175
180	27.9	215.7	19,700*	30.5	223.0	20,300	34.1	232.3	19,200	37.3	240.0	18,100	42.1	250.0	16,200	46.5	257.0	14,300	50.3	261.4	12,500	180
185	24.4	205.3	19,000*	27.3	213.8	19,400	31.2	224.4	18,300	34.7	233.0	17,200	39.8	244.1	15,400	44.3	252.0	13,600	48.3	257.1	11,900	185
190	20.4	192.9	18,400*	23.8	203.1	18,500	28.1	215.5	17,500	31.9	225.3	16,400	37.4	237.8	14,600	42.1	246.6	12,900	46.3	252.4	11,200	190
195	15.4	177.1	17,200*	19.6	190.3	17,700	24.7	205.2	16,700	28.9	216.7	15,600	34.8	230.8	13,900	39.8	240.7	12,200	44.1	247.4	10,600	195
200	7.5	151.4	14,400*	14.4	173.6	16,900	20.7	193.1	15,900	25.6	206.8	14,900	32.0	223.1	13,300	37.3	234.4	11,600	41.9	241.9	10,000	200
205				5.0	143.0	14,100*	15.8	177.6	15,200	21.8	195.2	14,200	29.0	214.5	12,600	34.8	227.4	11,000	39.6	236.0	9,500	205
210							8.4	153.5	14,500	17.1	180.7	13,600	25.7	204.7	12,000	32.0	219.7	10,500	37.1	229.6	8,900	210
215										10.7	159.9	12,900	21.9	193.2	11,400	29.0	211.1	9,900	34.5	222.6	8,400	215
220													17.3	178.8	10,800	25.6	201.2	9,400	31.8	214.8	8,000	220
225													11.0	158.4	10,300	21.8	189.6	8,900	28.7	206.1	7,500	225
230																17.2	175.2	8,400	25.4	196.2	7,100	230
235																10.9	154.7	7,900	21.5	184.4	6,600	235
240																			16.8	169.7	6,200	240
245																			10.2	148.2	5,800	245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	47,900	67.4	311.1	45,700													100
105	62.5	304.8	40,300*	63.8	306.6	44,800	65.8	308.9	42,700	67.7	310.5	40,600										105
110	60.8	302.0	38,400*	62.2	304.0	42,000	64.2	306.5	40,000	66.2	308.4	38,000										110
115	59.2	299.1	36,600*	60.6	301.3	39,500	62.6	304.0	37,600	64.6	306.1	35,700										115
120	57.5	296.0	34,800*	58.9	298.3	37,200	61.0	301.3	35,300	63.0	303.6	33,500										120
125	55.8	292.6	33,000*	57.2	295.1	35,100	59.3	298.3	33,300	61.4	300.9	31,600										125
130	54.0	289.1	31,400*	55.5	291.8	33,100	57.6	295.2	31,400	59.7	298.0	29,800										130
135	52.2	285.3	29,900*	53.7	288.2	31,300	55.9	291.9	29,700	58.0	294.9	28,100	61.4	298.5	25,500							135
140	50.4	281.2	28,400*	51.9	284.3	29,700	54.2	288.4	28,100	56.3	291.7	26,600	59.8	295.7	24,100							140
145	48.5	276.9	27,000*	50.1	280.2	28,200	52.4	284.6	26,700	54.6	288.2	25,200	58.1	292.6	22,800							145
150	46.5	272.2	25,700*	48.2	275.8	26,700	50.5	280.5	25,300	52.8	284.5	23,900	56.4	289.3	21,500							150
155	44.5	267.3	24,400*	46.2	271.1	25,400	48.6	276.2	24,000	51.0	280.5	22,700	54.6	285.9	20,400							155
160	42.4	261.9	23,200*	44.2	266.1	24,200	46.7	271.6	22,800	49.1	276.2	21,500	52.9	282.1	19,300	56.4	286.0	17,200				160
165	40.2	256.1	22,100*	42.0	260.7	23,000	44.7	266.7	21,700	47.2	271.7	20,500	51.0	278.2	18,300	54.6	282.5	16,300				165
170	37.9	249.9	21,100*	39.8	254.9	21,900	42.6	261.4	20,700	45.2	266.8	19,400	49.2	273.9	17,400	52.8	278.8	15,400				170
175	35.5	243.1	20,200*	37.5	248.5	20,900	40.4	255.6	19,700	43.1	261.6	18,500	47.2	269.4	16,500	51.0	274.8	14,600				175
180	32.9	235.6	19,400*	35.1	241.6	19,900	38.1	249.4	18,800	40.9	256.0	17,600	45.2	264.6	15,700	49.1	270.5	13,800	52.7	274.3	12,000	180
185	30.2	227.4	18,600*	32.5	234.1	19,000	35.7	242.7	17,900	38.7	249.9	16,800	43.2	259.4	14,900	47.2	266.0	13,100	50.9	270.3	11,300	185
190	27.1	218.1	17,900*	29.7	225.6	18,200	33.2	235.3	17,100	36.3	243.3	16,000	41.0	253.7	14,200	45.2	261.2	12,400	49.0	266.0	10,700	190
195	23.8	207.4	17,200*	26.6	216.1	17,300	30.4	227.1	16,300	33.8	236.1	15,200	38.8	247.7	13,500	43.1	255.9	11,700	47.0	261.4	10,100	195
200	19.8	194.7	16,400*	23.2	205.2	16,600	27.4	217.9	15,500	31.1	228.1	14,500	36.4	241.1	12,800	41.0	250.3	11,100	45.0	256.6	9,500	200
205	15.0	178.3	15,000*	19.1	192.0	15,800	24.1	207.4	14,800	28.2	219.2	13,800	33.9	233.9	12,200	38.7	244.3	10,500	43.0	251.3	8,900	205
210	7.3	152.0	12,400*	14.0	174.8	15,100*	20.2	194.8	14,100	24.9	209.0	13,200	31.2	225.9	11,600	36.4	237.7	10,000	40.8	245.7	8,400	210
215				4.9	143.4	12,200*	15.4	178.9	13,500	21.2	197.0	12,500	28.3	217.0	11,000	33.8	230.4	9,400	38.5	239.6	7,900	215
220							8.2	154.2	12,800	16.7	182.1	11,900	25.0	206.9	10,400	31.1	222.5	8,900	36.2	232.9	7,400	220
225										10.4	160.8	11,300	21.3	195.0	9,900	28.2	213.6	8,400	33.6	225.6	7,000	225
230													16.9	180.3	9,400	25.0	203.4	7,900	30.9	217.6	6,600	230
235													10.7	159.3	8,800	21.3	191.5	7,500	28.0	208.6	6,100	235
240																16.8	176.7	7,000	24.7	198.3	5,700	240
245																10.6	155.6	6,600	20.9	186.2	5,300	245
250																			16.4	171.1	5,000	250
255																			9.9	149.1	4,600	255

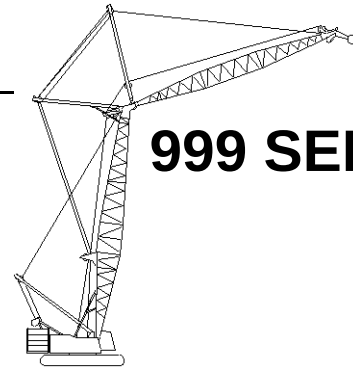


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



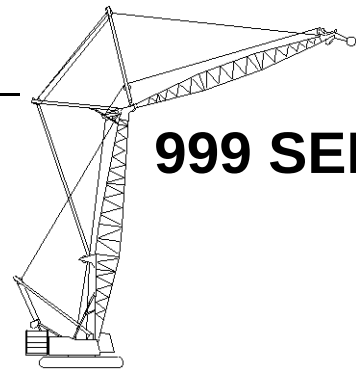
120 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	41,700	65.5	317.6	39,600	67.4	319.3	37,600										110
115	60.8	310.7	35,400*	62.1	312.7	39,100	64.0	315.2	37,200	65.9	317.1	35,300										115
120	59.2	307.8	33,800*	60.5	309.9	36,800	62.5	312.6	35,000	64.4	314.7	33,100										120
125	57.6	304.7	32,200*	59.0	307.0	34,700	60.9	309.9	32,900	62.9	312.2	31,200										125
130	56.0	301.3	30,700*	57.3	303.8	32,800	59.4	307.0	31,100	61.3	309.5	29,400										130
135	54.3	297.8	29,300*	55.7	300.5	31,000	57.8	303.9	29,400	59.7	306.7	27,700	62.9	309.9	25,100							135
140	52.6	294.1	27,900*	54.0	296.9	29,300	56.1	300.6	27,800	58.1	303.6	26,200	61.4	307.2	23,700							140
145	50.9	290.1	26,600*	52.3	293.1	27,800	54.5	297.1	26,300	56.5	300.4	24,800	59.8	304.3	22,400							145
150	49.1	285.8	25,400*	50.6	289.1	26,400	52.7	293.4	24,900	54.9	296.9	23,500	58.2	301.3	21,100							150
155	47.2	281.3	24,200*	48.8	284.8	25,100	51.0	289.4	23,700	53.2	293.2	22,300	56.6	298.0	20,000							155
160	45.3	276.4	23,100*	46.9	280.2	23,800	49.2	285.2	22,500	51.4	289.3	21,200	54.9	294.6	18,900							160
165	43.4	271.2	22,000*	45.0	275.3	22,700	47.4	280.6	21,400	49.7	285.1	20,100	53.2	290.9	17,900	56.5	294.6	15,900				165
170	41.3	265.7	21,000*	43.0	270.1	21,600	45.5	275.8	20,300	47.8	280.7	19,100	51.5	287.0	17,000	54.9	291.2	15,000				170
175	39.2	259.7	20,100*	41.0	264.4	20,600	43.5	270.7	19,400	45.9	276.0	18,100	49.7	282.8	16,100	53.2	287.5	14,200				175
180	37.0	253.3	19,200*	38.8	258.4	19,600	41.5	265.2	18,400	44.0	270.9	17,300	47.9	278.4	15,300	51.5	283.6	13,400				180
185	34.6	246.2	18,400*	36.6	251.8	18,700	39.4	259.2	17,600	42.0	265.5	16,400	46.0	273.7	14,500	49.7	279.4	12,700				185
190	32.1	238.5	17,700*	34.2	244.7	17,800	37.2	252.8	16,700	39.9	259.6	15,600	44.1	268.6	13,800	47.9	275.0	12,000	51.3	279.1	10,200	190
195	29.4	230.0	16,800*	31.7	236.9	17,000	34.8	245.8	15,900	37.7	253.3	14,900	42.1	263.2	13,100	46.0	270.3	11,300	49.5	274.9	9,600	195
200	26.5	220.4	15,900*	28.9	228.2	16,200	32.3	238.2	15,200	35.4	246.5	14,200	40.0	257.4	12,400	44.0	265.2	10,700	47.7	270.4	9,100	200
205	23.2	209.5	15,100*	26.0	218.5	15,500	29.6	229.7	14,500	32.9	239.0	13,500	37.8	251.1	11,800	42.0	259.8	10,100	45.8	265.7	8,500	205
210	19.4	196.4	14,300*	22.6	207.2	14,800	26.7	220.3	13,800	30.3	230.8	12,800	35.5	244.3	11,200	39.9	254.0	9,600	43.9	260.6	8,000	210
215	14.6	179.6	13,000*	18.7	193.6	14,100	23.5	209.4	13,200	27.5	221.6	12,200	33.0	236.9	10,600	37.7	247.7	9,000	41.9	255.2	7,500	215
220	7.1	152.6	10,600*	13.6	176.0	13,100*	19.7	196.6	12,500	24.3	211.1	11,600	30.4	228.7	10,100	35.4	240.9	8,500	39.8	249.3	7,100	220
225				4.8	143.8	10,400*	15.0	180.2	11,900	20.7	198.8	11,000	27.6	219.5	9,500	33.0	233.4	8,100	37.6	243.0	6,600	225
230							8.0	154.9	11,300	16.3	183.6	10,500	24.4	209.1	9,000	30.4	225.2	7,600	35.2	236.1	6,200	230
235										10.1	161.6	9,900	20.8	196.9	8,500	27.5	216.0	7,100	32.8	228.6	5,800	235
240													16.5	181.7	8,100	24.4	205.6	6,700	30.1	220.3	5,400	240
245													10.4	160.2	7,600	20.7	193.3	6,300	27.3	211.0	5,000	245
250																16.4	178.1	5,900	24.1	200.5	4,600	250
255																10.3	156.4	5,500	20.4	188.0	4,200	255

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	74.9	340.1	36,300*																70
75	73.5	338.6	36,000*																75
80	72.2	337.0	35,600*	73.3	338.1	40,700*													80
85	70.8	335.3	35,300*	72.0	336.5	40,400*													85
90	69.4	333.5	34,900*	70.6	334.8	40,000*													90
95	68.0	331.5	34,600*	69.2	332.9	39,700*	70.9	334.5	38,500*										95
100	66.6	329.4	34,200*	67.8	330.9	39,300*	69.5	332.6	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	36,700*	67.1	328.0	34,800							115
120	60.8	319.4	32,600*	62.0	321.4	36,400	63.8	323.9	34,500	65.6	325.8	32,600							120
125	59.3	316.4	31,300*	60.5	318.6	34,300	62.4	321.3	32,500	64.2	323.4	30,700							125
130	57.7	313.3	29,900*	59.0	315.6	32,400	60.9	318.6	30,600	62.7	320.9	28,900							130
135	56.2	310.0	28,600*	57.5	312.5	30,600	59.4	315.7	28,900	61.3	318.2	27,300							135
140	54.6	306.5	27,300*	55.9	309.2	28,900	57.9	312.6	27,300	59.7	315.3	25,800	62.8	318.5	23,200				140
145	53.0	302.8	26,100*	54.3	305.6	27,400	56.3	309.3	25,900	58.2	312.3	24,300	61.3	315.8	21,800				145
150	51.3	298.9	24,900*	52.7	301.9	26,000	54.7	305.8	24,500	56.7	309.1	23,000	59.8	313.0	20,600				150
155	49.6	294.7	23,800*	51.0	297.9	24,700	53.1	302.1	23,200	55.1	305.6	21,800	58.3	309.9	19,500				155
160	47.9	290.3	22,800*	49.3	293.7	23,400	51.4	298.2	22,100	53.5	302.0	20,700	56.7	306.7	18,400				160
165	46.1	285.5	21,700*	47.6	289.2	22,300	49.7	294.1	20,900	51.8	298.1	19,600	55.2	303.3	17,400				165
170	44.2	280.5	20,800*	45.8	284.4	21,200	48.0	289.6	19,900	50.2	294.0	18,600	53.5	299.7	16,500	56.7	303.3	14,400	170
175	42.3	275.1	19,900*	43.9	279.4	20,200	46.2	284.9	18,900	48.4	289.7	17,700	51.9	295.8	15,600	55.1	299.9	13,600	175
180	40.3	269.4	19,000*	42.0	273.9	19,200	44.4	279.9	18,000	46.7	285.0	16,800	50.2	291.7	14,800	53.5	296.3	12,900	180
185	38.3	263.2	18,200*	40.0	268.1	18,300	42.5	274.6	17,100	44.8	280.1	16,000	48.5	287.4	14,000	51.9	292.4	12,200	185
190	36.1	256.5	17,200*	37.9	261.8	17,400	40.5	268.9	16,300	42.9	274.9	15,200	46.7	282.8	13,300	50.2	288.3	11,500	190
195	33.8	249.3	16,300*	35.7	255.1	16,600	38.4	262.7	15,500	41.0	269.2	14,400	44.9	277.8	12,600	48.5	284.0	10,800	195
200	31.3	241.3	15,400*	33.4	247.7	15,900	36.3	256.1	14,800	38.9	263.2	13,700	43.0	272.6	11,900	46.7	279.3	10,200	200
205	28.7	232.6	14,500*	30.9	239.7	15,100	34.0	248.9	14,100	36.8	256.7	13,000	41.0	267.0	11,300	44.9	274.4	9,600	205
210	25.8	222.7	13,700*	28.3	230.7	14,400	31.6	241.0	13,400	34.5	249.6	12,400	39.0	260.9	10,700	43.0	269.2	9,100	210
215	22.6	211.4	13,000*	25.3	220.7	13,600*	28.9	232.3	12,800	32.2	241.9	11,800	36.9	254.5	10,100	41.0	263.6	8,500	215
220	18.9	198.0	12,300*	22.1	209.1	12,800*	26.1	222.6	12,200	29.6	233.4	11,200	34.6	247.4	9,600	39.0	257.5	8,000	220
225	14.2	180.8	11,100*	18.2	195.2	12,100*	22.9	211.5	11,600	26.8	224.0	10,600	32.2	239.8	9,100	36.8	251.0	7,600	225
230	6.9	153.1	8,900*	13.3	177.1	11,200*	19.2	198.2	11,000	23.7	213.2	10,100	29.7	231.3	8,600	34.6	244.0	7,100	230
235				4.6	144.2	8,700*	14.7	181.5	10,400	20.2	200.6	9,600	26.9	221.9	8,100	32.2	236.3	6,700	235
240							7.8	155.5	9,900	15.9	184.9	9,100	23.8	211.2	7,600	29.6	227.8	6,200	240
245										9.9	162.5	8,600	20.3	198.6	7,200	26.9	218.4	5,800	245
250													16.1	183.1	6,800	23.8	207.7	5,400	250
255													10.2	161.1	6,300	20.3	195.1	5,000	255
260																16.0	179.5	4,700	260
265																10.1	157.3	4,300	265

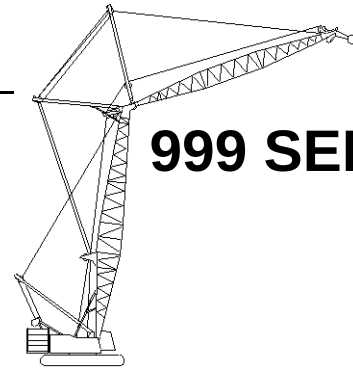


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



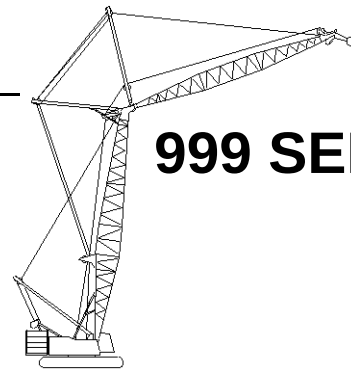
120 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 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	
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	34,200	66.8	336.8	32,300							120
125	60.7	328.0	28,600*	61.9	330.0	33,500*	63.7	332.6	32,200	65.4	334.5	30,400							125
130	59.3	325.1	27,400*	60.5	327.2	32,000	62.3	330.0	30,300	64.0	332.1	28,600							130
135	57.8	322.0	26,300*	59.1	324.3	30,300	60.9	327.2	28,600	62.6	329.6	27,000							135
140	56.3	318.7	25,200*	57.6	321.2	28,600	59.4	324.3	27,000	61.2	326.9	25,400							140
145	54.8	315.3	24,100*	56.1	317.9	27,100	58.0	321.2	25,600	59.8	324.0	24,000	62.7	327.2	21,500				145
150	53.3	311.6	23,000*	54.6	314.4	25,700	56.5	318.0	24,200	58.3	321.0	22,700	61.2	324.5	20,300				150
155	51.7	307.7	22,000*	53.0	310.7	24,400	55.0	314.5	22,900	56.8	317.7	21,500	59.8	321.6	19,200				155
160	50.1	303.6	21,100*	51.4	306.7	23,100	53.4	310.9	21,800	55.3	314.3	20,400	58.4	318.6	18,100				160
165	48.4	299.2	20,200*	49.8	302.6	22,000	51.8	307.0	20,600	53.8	310.7	19,300	56.9	315.4	17,100				165
170	46.7	294.6	19,300*	48.2	298.2	20,900	50.2	302.9	19,600	52.2	306.9	18,300	55.4	312.0	16,200				170
175	45.0	289.7	18,500*	46.5	293.5	19,900	48.6	298.6	18,600	50.6	302.9	17,400	53.8	308.4	15,300	56.9	312.0	13,300	175
180	43.2	284.5	17,700*	44.7	288.6	18,900	46.9	294.0	17,700	49.0	298.6	16,500	52.3	304.6	14,500	55.3	308.6	12,600	180
185	41.3	278.9	17,000*	42.9	283.3	18,000	45.1	289.1	16,800	47.3	294.1	15,700	50.7	300.6	13,700	53.8	305.0	11,800	185
190	39.4	273.0	16,400*	41.0	277.7	17,200	43.3	283.9	16,000	45.6	289.3	14,900	49.0	296.3	13,000	52.2	301.2	11,200	190
195	37.4	266.6	15,700*	39.1	271.7	16,300	41.5	278.4	15,200	43.8	284.1	14,100	47.4	291.8	12,300	50.6	297.2	10,500	195
200	35.3	259.7	15,000*	37.0	265.2	15,600	39.6	272.5	14,500	41.9	278.7	13,400	45.6	287.0	11,600	49.0	292.9	9,900	200
205	33.0	252.2	14,200*	34.9	258.2	14,800*	37.5	266.1	13,800	40.0	272.9	12,800	43.8	281.9	11,000	47.3	288.4	9,300	205
210	30.6	244.1	13,400*	32.6	250.7	14,000*	35.4	259.3	13,100	38.0	266.6	12,100	42.0	276.4	10,400	45.6	283.6	8,800	210
215	28.1	235.1	12,600*	30.2	242.4	13,200*	33.2	251.9	12,500	36.0	259.9	11,500	40.1	270.6	9,900	43.8	278.5	8,300	215
220	25.3	225.0	11,900*	27.6	233.2	12,500*	30.8	243.8	11,900	33.8	252.7	10,900	38.1	264.4	9,300	42.0	273.0	7,800	220
225	22.1	213.4	11,200*	24.8	222.9	11,800*	28.3	234.8	11,300	31.4	244.7	10,400	36.0	257.7	8,800	40.1	267.2	7,300	225
230	18.5	199.6	10,600*	21.6	211.0	11,100*	25.5	224.9	10,700	28.9	236.0	9,800	33.8	250.5	8,300	38.1	261.0	6,800	230
235	13.9	182.0	9,400*	17.8	196.8	10,400*	22.4	213.4	10,200	26.2	226.3	9,300	31.5	242.6	7,800	36.0	254.3	6,400	235
240	6.7	153.7	7,300*	13.0	178.2	9,500*	18.8	199.9	9,700	23.2	215.3	8,800	29.0	233.9	7,400	33.8	247.0	6,000	240
245				4.5	144.6	7,200*	14.4	182.7	9,200	19.7	202.3	8,300	26.3	224.2	6,900	31.5	239.1	5,500	245
250							7.6	156.2	8,500*	15.5	186.3	7,900	23.3	213.2	6,500	29.0	230.4	5,200	250
255										9.7	163.3	7,400	19.9	200.4	6,100	26.3	220.7	4,800	255
260													15.7	184.5	5,700	23.2	209.7	4,400	260
265													9.9	161.9	5,300	19.8	196.8	4,100	265

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.0	359.4	30,800*													75
80	73.7	358.0	30,400*													80
85	72.5	356.5	30,100*	73.5	357.5	34,800*										85
90	71.2	354.8	29,800*	72.3	355.9	34,500*										90
95	69.9	353.0	29,500*	71.0	354.2	34,200*										95
100	68.7	351.1	29,200*	69.7	352.4	33,900*										100
105	67.4	349.0	28,900*	68.4	350.4	33,600*	70.0	352.1	33,100*							105
110	66.1	346.8	28,700*	67.2	348.4	33,300*	68.8	350.2	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	31,800				120
125	62.1	339.4	27,500*	63.2	341.3	31,900*	64.9	343.7	31,700	66.5	345.5	29,900				125
130	60.7	336.7	26,400*	61.8	338.7	30,900*	63.5	341.2	29,900	65.2	343.2	28,100				130
135	59.3	333.8	25,400*	60.5	335.9	29,800*	62.2	338.6	28,200	63.8	340.8	26,500				135
140	57.9	330.7	24,300*	59.1	333.0	28,200	60.8	335.9	26,600	62.5	338.2	25,000				140
145	56.5	327.4	23,300*	57.7	329.8	26,700	59.4	333.0	25,100	61.1	335.5	23,600				145
150	55.0	324.0	22,400*	56.3	326.6	25,300	58.0	329.9	23,800	59.8	332.7	22,300	62.6	335.9	19,800	150
155	53.6	320.3	21,500*	54.8	323.1	24,000	56.6	326.7	22,500	58.4	329.6	21,100	61.2	333.2	18,700	155
160	52.1	316.5	20,600*	53.3	319.4	22,700	55.2	323.2	21,300	57.0	326.4	19,900	59.8	330.3	17,600	160
165	50.5	312.4	19,700*	51.8	315.5	21,600	53.7	319.6	20,200	55.5	323.0	18,900	58.4	327.3	16,600	165
170	49.0	308.2	18,900*	50.3	311.5	20,500	52.2	315.8	19,200	54.0	319.5	17,900	57.0	324.1	15,700	170
175	47.3	303.6	18,200*	48.7	307.1	19,500	50.7	311.8	18,200	52.6	315.7	16,900	55.6	320.7	14,800	175
180	45.7	298.8	17,400*	47.1	302.6	18,500	49.1	307.5	17,300	51.0	311.7	16,100	54.1	317.1	14,000	180
185	44.0	293.8	16,700*	45.4	297.7	17,600	47.5	303.0	16,400	49.5	307.5	15,200	52.6	313.4	13,300	185
190	42.2	288.4	16,100*	43.7	292.6	16,800	45.8	298.2	15,600	47.9	303.1	14,400	51.1	309.4	12,500	190
195	40.4	282.6	15,400*	41.9	287.1	16,000	44.1	293.2	14,800	46.2	298.4	13,700	49.5	305.2	11,800	195
200	38.5	276.5	14,500*	40.1	281.3	15,200	42.4	287.8	14,100	44.5	293.4	13,000	47.9	300.8	11,200	200
205	36.6	269.9	13,600*	38.2	275.1	14,300*	40.6	282.1	13,400	42.8	288.1	12,300	46.3	296.1	10,600	205
210	34.5	262.8	12,800*	36.2	268.5	13,500*	38.7	276.0	12,700	41.0	282.5	11,700	44.6	291.1	10,000	210
215	32.3	255.1	12,100*	34.1	261.3	12,700*	36.7	269.5	12,100	39.1	276.4	11,100	42.9	285.8	9,400	215
220	30.0	246.8	11,400*	31.9	253.5	12,000*	34.7	262.4	11,500	37.2	270.0	10,500	41.1	280.2	8,900	220
225	27.5	237.5	10,700*	29.6	245.0	11,200*	32.5	254.8	10,900	35.2	263.1	9,900	39.2	274.2	8,300	225
230	24.7	227.2	10,000*	27.0	235.6	10,600*	30.2	246.5	10,300	33.0	255.6	9,400	37.3	267.8	7,800	230
235	21.6	215.3	9,400*	24.2	225.0	9,900*	27.7	237.3	9,800	30.7	247.5	8,900	35.2	260.9	7,400	235
240	18.1	201.2	8,800*	21.1	212.9	9,300*	25.0	227.1	9,300	28.3	238.5	8,400	33.1	253.4	6,900	240
245	13.6	183.2	7,700*	17.4	198.3	8,700*	21.9	215.4	8,800	25.6	228.6	7,900	30.8	245.3	6,500	245
250	6.6	154.3	5,800*	12.7	179.3	7,800*	18.4	201.5	8,300	22.7	217.3	7,500	28.4	236.4	6,100	250
255				4.4	144.9	5,600*	14.0	184.0	7,900	19.3	204.0	7,000	25.7	226.5	5,700	255
260							7.4	156.8	6,900*	15.2	187.6	6,600	22.8	215.2	5,300	260
265										9.5	164.1	6,200	19.4	202.1	4,900	265
270													15.4	185.8	4,500	270
275													9.7	162.8	4,100	275

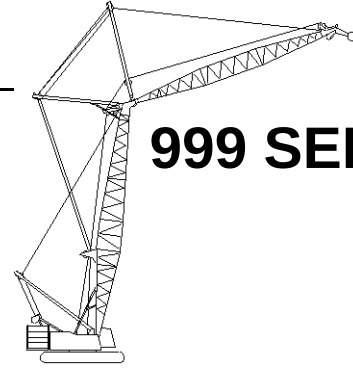


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 70 Ft. Jib

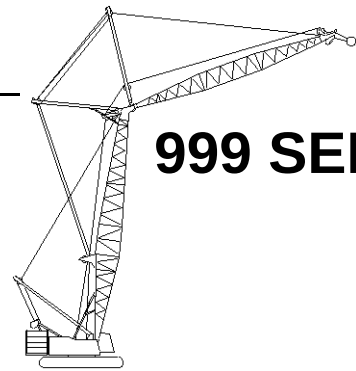
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	62.7	199.6	120,100*b	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	107,100b													50
55	52.9	193.1	103,900*	52.4	192.4	99,300	59.2	196.4	95,700b	65.5	198.9	92,100b										55
60	47.5	188.8	97,300*	47.0	188.0	89,600	54.3	193.0	86,400	60.9	196.3	83,100b										60
65	41.6	183.5	91,600*																			65
70	34.8	176.9	83,400	41.0	182.6	81,500	49.0	188.9	78,500	56.0	193.1	75,600b										70
75	26.5	168.1	76,300	34.1	175.9	74,600	43.2	183.9	71,900	50.8	189.2	69,200	61.8	194.2	64,700b							75
80	14.1	153.8	65,500*	25.6	166.8	68,600	36.7	177.7	66,200	45.2	184.6	63,700	57.0	191.2	59,500b							80
85				12.2	151.2	63,300	28.9	169.6	61,200	39.0	178.8	58,900	51.9	187.5	55,100							85
90							18.1	157.5	56,800	31.7	171.5	54,700	46.4	183.0	51,100	57.8	188.1	47,600b				90
95										22.4	161.3	50,900	40.4	177.5	47,700	52.7	184.5	44,300				95
100													33.4	170.5	44,500	47.3	180.1	41,400				100
105													24.6	161.1	41,700	41.3	174.8	38,800				105
110													9.9	143.9	39,100	34.5	168.1	36,500	47.8	176.0	33,800	110
115																26.1	159.2	34,300	41.8	170.7	31,800	115
120																13.3	144.4	32,200	35.1	164.2	29,900	120
125																			26.9	155.5	28,200	125
130																			14.8	141.6	26,600	130



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

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

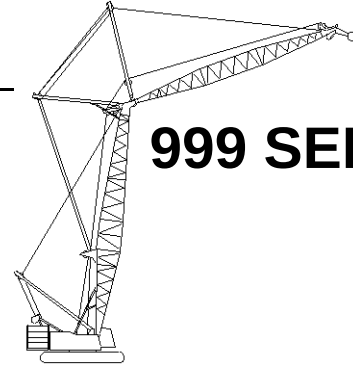


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 90 Ft. Jib

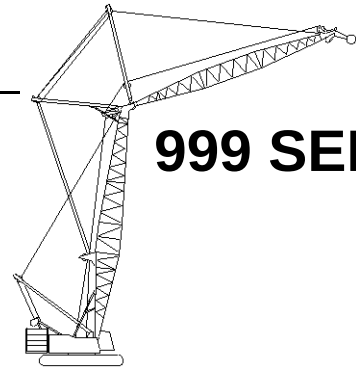
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.3	232.3	107,100*b																			45
50	68.3	230.4	102,200*	71.1	231.8	108,500*b																50
55	65.1	228.2	95,800*	68.0	229.9	101,700*																55
60	61.9	225.6	90,000*	64.8	227.6	95,400*	69.1	229.9	94,500b													60
65	58.6	222.7	84,700*	61.6	225.0	88,600	66.0	227.7	85,100													65
70	55.1	219.3	79,900*	58.3	222.1	80,600	62.8	225.2	77,400	67.0	227.4	74,200										70
75	51.5	215.5	73,200*	54.8	218.7	73,700	59.5	222.4	70,800	63.9	225.0	67,900										75
80	47.7	211.1	67,000*	51.2	214.8	67,900	56.0	219.1	65,200	60.6	222.3	62,400										80
85	43.7	206.1	61,500*	47.4	210.4	62,800	52.5	215.4	60,300	57.2	219.2	57,700										85
90	39.3	200.3	56,700*	43.3	205.3	58,300	48.7	211.2	56,000	53.7	215.6	53,600	61.3	220.2	49,700							90
95	34.4	193.5	52,600*	38.9	199.4	54,400	44.8	206.4	52,200	50.0	211.6	49,900	57.9	217.2	46,300							95
100	28.8	185.1	49,200*	33.9	192.4	50,900	40.5	200.8	48,800	46.1	207.0	46,700	54.5	213.8	43,200							100
105	22.0	174.2	46,600*	28.3	183.9	47,700	35.7	194.3	45,700	42.0	201.7	43,800	50.8	209.8	40,500							105
110	11.6	156.9	44,000*	21.2	172.7	44,800	30.4	186.4	43,000	37.4	195.5	41,100	47.0	205.4	38,100	55.0	210.7	35,000				110
115				10.1	153.9	42,100	23.9	176.3	40,500	32.3	188.1	38,800	42.9	200.2	35,800	51.4	206.9	32,900				115
120							15.0	161.6	38,200	26.3	179.0	36,600	38.4	194.2	33,800	47.6	202.5	31,100				120
125										18.6	166.4	34,500	33.4	187.1	31,900	43.5	197.4	29,300	51.7	202.7	26,800	125
130													27.6	178.4	30,200	39.1	191.6	27,700	47.9	198.3	25,300	130
135													20.4	166.8	28,600	34.2	184.7	26,300	43.8	193.4	23,900	135
140													8.1	146.0	27,000	28.6	176.3	24,900	39.5	187.6	22,700	140
145																21.6	165.2	23,600	34.6	180.8	21,500	145
150																11.0	147.3	22,300	29.1	172.5	20,400	150
155																			22.3	161.7	19,300	155
160																			12.2	144.9	18,300	160

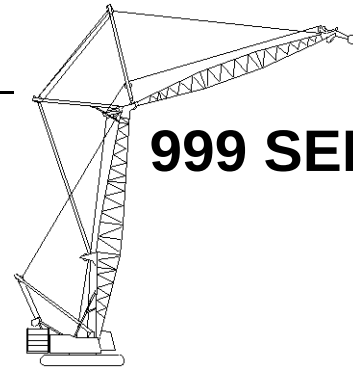


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 110 Ft. Jib

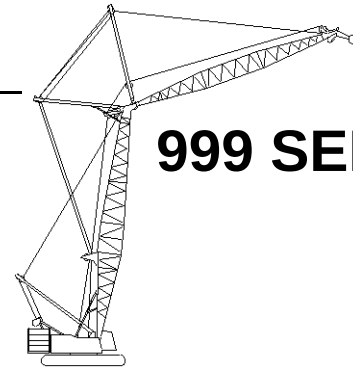
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	74.5	253.3	90,000*																			45
50	72.0	251.8	87,900*																			50
55	69.5	250.0	86,600*	71.8	251.3	95,600*																55
60	66.9	247.9	83,500*	69.3	249.5	90,100*																60
65	64.3	245.6	80,400*	66.7	247.4	85,100*	70.2	249.4	84,500													65
70	61.6	242.9	75,400*	64.0	245.0	80,100	67.6	247.4	76,800													70
75	58.8	240.0	69,600*	61.3	242.4	73,200	65.0	245.1	70,200													75
80	56.0	236.7	64,300*	58.6	239.4	67,400	62.3	242.6	64,600	65.9	244.8	61,800										80
85	53.0	233.1	59,500*	55.7	236.1	62,300	59.6	239.7	59,700	63.2	242.3	57,100										85
90	49.9	229.0	55,000*	52.7	232.4	57,900	56.7	236.5	55,400	60.5	239.6	53,000										90
95	46.7	224.5	50,800*	49.6	228.3	54,000	53.8	233.0	51,600	57.7	236.5	49,300										95
100	43.3	219.4	47,100*	46.4	223.7	50,500	50.8	229.0	48,300	54.8	233.1	46,100	61.1	237.5	42,500							100
105	39.7	213.6	43,900*	43.0	218.5	47,300	47.6	224.6	45,300	51.8	229.3	43,200	58.3	234.5	39,800							105
110	35.7	207.0	41,000*	39.3	212.7	44,500	44.2	219.6	42,600	48.7	225.1	40,600	55.4	231.2	37,400							110
115	31.3	199.2	38,500*	35.3	206.0	41,900	40.6	214.1	40,100	45.4	220.3	38,200	52.4	227.5	35,200							115
120	26.2	189.9	36,500*	30.8	198.1	39,600	36.7	207.7	37,800	41.9	214.9	36,100	49.3	223.3	33,200	55.9	228.1	30,300				120
125	20.0	177.8	35,000*	25.7	188.6	37,500	32.5	200.3	35,800	38.1	208.8	34,100	46.1	218.7	31,300	52.9	224.5	28,600				125
130	10.5	158.7	34,200*	19.3	176.1	35,500	27.6	191.4	33,900	34.0	201.8	32,300	42.6	213.4	29,700	49.8	220.4	27,000				130
135				9.1	155.4	33,600	21.8	180.2	32,100	29.4	193.5	30,600	38.9	207.5	28,100	46.6	215.8	25,600				135
140							13.6	163.9	30,500	23.9	183.3	29,100	34.9	200.7	26,600	43.2	210.7	24,300	50.1	216.2	21,900	140
145										16.9	169.4	27,600	30.4	192.7	25,300	39.5	204.9	23,000	46.8	211.7	20,800	145
150													25.1	183.0	24,000	35.5	198.2	21,900	43.4	206.6	19,700	150
155													18.5	170.1	22,800	31.1	190.4	20,800	39.8	200.8	18,700	155
160													7.3	147.2	21,700	26.0	181.0	19,700	35.9	194.3	17,800	160
165																19.7	168.7	18,800	31.5	186.6	16,900	165
170																9.9	149.0	17,800	26.4	177.3	16,000	170
175																			20.3	165.4	15,200	175
180																			11.1	146.8	14,400	180

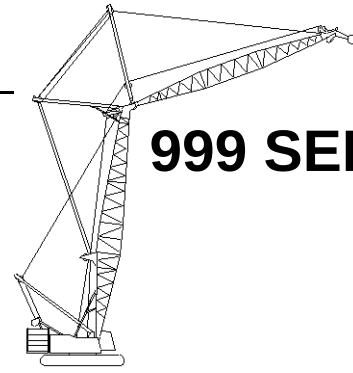


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 130 Ft. Jib

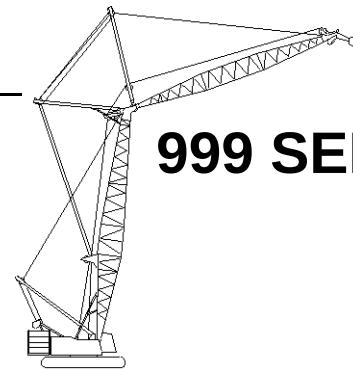
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	76,400													70
75	61.5	251.6	67,700*	63.7	253.7	72,900	67.0	256.1	69,800													75
80	58.9	248.7	62,800*	61.2	251.0	67,100	64.6	253.8	64,200	67.9	255.7	61,400										80
85	56.3	245.4	58,300*	58.7	248.1	62,000	62.1	251.2	59,300	65.4	253.5	56,700										85
90	53.6	241.8	54,100*	56.0	244.8	57,600	59.6	248.4	55,100	63.0	251.0	52,600										90
95	50.8	237.9	50,200*	53.3	241.2	53,700	57.0	245.2	51,300	60.5	248.3	49,000										95
100	47.8	233.5	46,700*	50.5	237.2	50,200	54.3	241.7	48,000	57.9	245.2	45,700										100
105	44.8	228.6	43,400*	47.6	232.7	47,000	51.5	237.9	44,900	55.2	241.8	42,900	61.0	246.2	39,400							105
110	41.5	223.2	40,500*	44.5	227.8	44,200	48.6	233.6	42,200	52.5	238.1	40,300	58.4	243.2	37,000							110
115	38.0	217.0	37,900*	41.2	222.3	41,700	45.6	228.8	39,800	49.6	234.0	37,900	55.8	239.9	34,800							115
120	34.2	210.0	35,600*	37.7	216.1	39,300	42.4	223.6	37,500	46.6	229.4	35,800	53.0	236.3	32,800							120
125	30.0	201.9	33,700*	33.8	209.0	37,200	38.9	217.6	35,500	43.5	224.3	33,800	50.2	232.2	31,000	56.2	236.8	28,200				125
130	25.2	192.1	32,100*	29.6	200.7	35,200	35.2	210.9	33,600	40.1	218.6	32,000	47.3	227.7	29,300	53.5	233.2	26,600				130
135	19.2	179.5	30,900*	24.7	190.7	33,400	31.2	203.1	31,900	36.5	212.2	30,300	44.1	222.8	27,700	50.7	229.3	25,200				135
140	10.1	159.5	30,200*	18.5	177.7	31,700	26.5	193.7	30,300	32.6	204.7	28,800	40.8	217.2	26,300	47.7	224.8	23,900				140
145				8.7	156.2	30,100	20.9	182.0	28,800	28.2	196.0	27,300	37.3	210.9	25,000	44.6	220.0	22,600	50.9	225.1	20,400	145
150							13.1	165.1	27,300	23.0	185.3	26,000	33.4	203.7	23,700	41.4	214.5	21,500	48.0	220.7	19,300	150
155										16.2	170.8	24,700	29.1	195.3	22,600	37.9	208.3	20,400	44.9	215.8	18,300	155
160													24.1	185.1	21,500	34.1	201.3	19,400	41.6	210.4	17,400	160
165													17.8	171.6	20,400	29.8	193.1	18,500	38.2	204.3	16,500	165
170													7.0	147.8	19,400	24.9	183.2	17,600	34.4	197.4	15,700	170
175																18.9	170.4	16,700	30.2	189.3	14,900	175
180																9.5	149.8	15,800	25.4	179.5	14,100	180
185																			19.4	167.1	13,400	185
190																			10.6	147.7	12,700	190



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	272.7	74,100*																			50
55	72.6	271.2	72,700*																			55
60	70.4	269.4	71,200*	72.3	270.7	84,600*																60
65	68.2	267.5	69,700*	70.2	268.9	80,300*																65
70	66.0	265.3	68,200*	68.0	267.0	76,200*	70.9	268.8	75,900													70
75	63.7	262.9	65,700*	65.7	264.8	72,400*	68.8	266.9	69,400													75
80	61.4	260.3	61,300*	63.5	262.4	66,700	66.5	264.8	63,700													80
85	59.0	257.3	57,100*	61.1	259.7	61,600	64.3	262.5	58,900	67.3	264.4	56,200										85
90	56.6	254.1	53,200*	58.8	256.7	57,200	62.0	259.9	54,600	65.1	262.2	52,100										90
95	54.1	250.6	49,700*	56.3	253.5	53,200	59.6	257.0	50,800	62.8	259.7	48,400										95
100	51.5	246.7	46,300*	53.8	249.9	49,800	57.2	253.9	47,500	60.4	256.9	45,200										100
105	48.8	242.5	43,200*	51.2	246.0	46,600	54.7	250.4	44,500	58.0	253.9	42,400										105
110	46.0	237.8	40,300*	48.5	241.7	43,800	52.1	246.7	41,800	55.6	250.5	39,800	60.9	254.9	36,400							110
115	43.0	232.6	37,600*	45.7	237.0	41,300	49.5	242.5	39,300	53.0	246.9	37,400	58.5	251.9	34,200							115
120	39.9	226.8	35,300*	42.7	231.8	39,000	46.7	237.9	37,100	50.4	242.9	35,300	56.1	248.6	32,200							120
125	36.6	220.4	33,200*	39.6	225.9	36,800	43.8	232.9	35,100	47.7	238.4	33,300	53.6	245.0	30,400							125
130	32.9	213.0	31,400*	36.2	219.4	34,900	40.7	227.3	33,200	44.8	233.6	31,500	51.0	241.1	28,800	56.5	245.5	26,000				130
135	28.9	204.5	29,800*	32.6	211.9	33,100	37.5	221.0	31,500	41.8	228.2	29,900	48.3	236.7	27,200	54.0	242.0	24,600				135
140	24.2	194.2	28,500*	28.5	203.3	31,400	33.9	213.9	29,900	38.6	222.1	28,300	45.4	232.0	25,800	51.4	238.1	23,300				140
145	18.4	181.1	27,600*	23.7	192.8	29,900	30.0	205.7	28,400	35.2	215.3	26,900	42.4	226.7	24,500	48.7	233.8	22,100				145
150	9.7	160.3	26,600*	17.8	179.3	28,400	25.5	196.0	27,000	31.4	207.6	25,600	39.3	220.8	23,200	45.9	229.1	20,900	51.6	233.9	18,700	150
155				8.4	156.9	26,700*	20.1	183.8	25,700	27.1	198.4	24,300	35.9	214.2	22,100	42.9	223.9	19,900	48.9	229.7	17,700	155
160							12.6	166.1	24,400	22.1	187.2	23,200	32.2	206.6	21,000	39.8	218.1	18,900	46.1	225.0	16,800	160
165										15.6	172.1	22,100	28.0	197.8	20,000	36.4	211.6	17,900	43.2	219.8	15,900	165
170													23.2	187.1	19,000	32.8	204.2	17,100	40.0	214.1	15,100	170
175													17.1	173.1	18,100	28.7	195.6	16,200	36.7	207.7	14,300	175
180													6.8	148.3	17,200	24.0	185.3	15,400	33.1	200.3	13,600	180
185																18.2	172.0	14,700	29.0	191.9	12,900	185
190																9.2	150.5	13,900	24.4	181.7	12,300	190
195																			18.7	168.7	11,600	195
200																			10.2	148.5	11,000	200

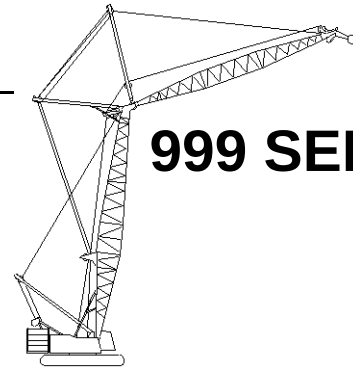


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



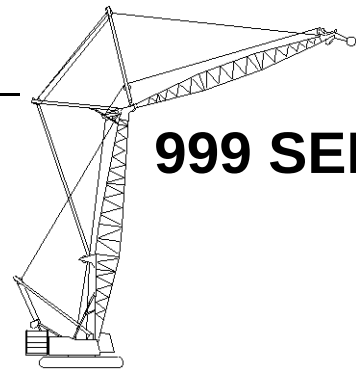
130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	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	69,200													75
80	63.4	271.6	59,300*	65.4	273.5	66,500	68.2	275.7	63,600													80
85	61.3	268.9	55,600*	63.2	271.0	61,400	66.1	273.5	58,700													85
90	59.1	266.0	52,000*	61.1	268.3	57,000	64.0	271.2	54,400	66.8	273.2	51,900										90
95	56.8	262.8	48,600*	58.9	265.4	53,100	61.8	268.5	50,700	64.7	270.9	48,300										95
100	54.5	259.3	45,500*	56.6	262.2	49,600	59.6	265.7	47,300	62.6	268.3	45,100										100
105	52.1	255.5	42,600*	54.2	258.7	46,500	57.4	262.6	44,300	60.4	265.6	42,200										105
110	49.6	251.4	39,900*	51.8	254.8	43,700	55.1	259.2	41,600	58.2	262.5	39,600	63.0	266.2	36,200							110
115	47.0	246.8	37,400*	49.4	250.7	41,100	52.7	255.4	39,200	55.9	259.2	37,200	60.9	263.5	34,100							115
120	44.3	241.9	35,000*	46.8	246.1	38,800	50.2	251.4	37,000	53.5	255.6	35,100	58.6	260.5	32,100							120
125	41.5	236.4	32,900*	44.1	241.1	36,700	47.7	247.0	34,900	51.1	251.7	33,200	56.4	257.3	30,300							125
130	38.5	230.3	31,000*	41.2	235.5	34,700	45.0	242.1	33,100	48.6	247.4	31,400	54.0	253.8	28,600							130
135	35.3	223.6	29,300*	38.2	229.4	33,000	42.2	236.8	31,300	46.0	242.7	29,700	51.6	249.9	27,100	56.7	254.2	24,400				135
140	31.8	215.9	27,800*	35.0	222.6	31,300	39.3	230.9	29,700	43.2	237.5	28,200	49.1	245.7	25,600	54.4	250.7	23,100				140
145	27.9	207.0	26,500*	31.4	214.8	29,800	36.1	224.3	28,300	40.3	231.9	26,800	46.5	241.1	24,300	52.0	246.9	21,900				145
150	23.4	196.3	25,500*	27.5	205.7	28,300	32.7	216.9	26,900	37.2	225.5	25,500	43.8	236.0	23,100	49.5	242.7	20,800				150
155	17.8	182.6	24,700*	22.9	194.8	27,000	28.9	208.3	25,600	33.9	218.4	24,200	40.9	230.4	21,900	46.9	238.2	19,700	52.2	242.7	17,500	155
160	9.4	161.1	23,800*	17.2	180.8	25,700	24.6	198.2	24,400	30.3	210.3	23,100	37.9	224.2	20,900	44.2	233.2	18,700	49.7	238.6	16,600	160
165				8.1	157.5	23,900*	19.4	185.5	23,200	26.2	200.7	22,000	34.6	217.3	19,900	41.4	227.7	17,800	47.1	234.1	15,700	165
170							12.1	167.2	22,100	21.3	189.1	21,000	31.0	209.4	18,900	38.4	221.6	16,900	44.4	229.1	14,900	170
175										15.0	173.4	20,000	27.0	200.2	18,000	35.1	214.8	16,100	41.6	223.7	14,200	175
180													22.4	189.1	17,200	31.6	207.1	15,300	38.6	217.6	13,500	180
185													16.5	174.5	16,400	27.7	198.1	14,600	35.4	210.9	12,800	185
190													6.5	148.9	15,500	23.2	187.3	13,900	31.9	203.2	12,100	190
195																17.5	173.5	13,200	28.0	194.4	11,500	195
200																8.8	151.3	12,500	23.6	183.8	10,900	200
205																			18.0	170.3	10,400	205
210																			9.8	149.3	9,800	210

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	292.1	61,900*																			55
60	72.9	290.6	60,900*																			60
65	71.0	288.9	59,900*	72.7	290.1	71,400*																65
70	69.1	287.0	58,400*	70.9	288.4	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	63,100													80
85	63.2	280.3	53,800*	65.0	282.2	61,000	67.7	284.4	58,200													85
90	61.2	277.6	50,600*	63.0	279.7	56,600	65.7	282.2	54,000													90
95	59.1	274.7	47,500*	61.0	277.0	52,700	63.8	279.8	50,200	66.4	281.9	47,700										95
100	57.0	271.5	44,600*	58.9	274.1	49,200	61.7	277.2	46,900	64.4	279.6	44,500										100
105	54.8	268.0	41,800*	56.8	270.9	46,100	59.7	274.4	43,900	62.4	277.0	41,700										105
110	52.6	264.3	39,300*	54.6	267.4	43,300	57.6	271.2	41,200	60.4	274.2	39,100										110
115	50.3	260.3	36,900*	52.4	263.6	40,700	55.4	267.9	38,700	58.3	271.2	36,800	62.8	274.9	33,500							115
120	47.9	255.9	34,700*	50.1	259.5	38,400	53.2	264.2	36,500	56.1	267.9	34,600	60.8	272.2	31,500							120
125	45.4	251.1	32,600*	47.7	255.1	36,300	50.9	260.3	34,500	53.9	264.4	32,700	58.7	269.2	29,700							125
130	42.8	245.8	30,700*	45.2	250.3	34,400	48.5	255.9	32,600	51.7	260.5	30,900	56.6	266.0	28,000							130
135	40.1	240.1	29,000*	42.6	245.0	32,600	46.1	251.3	30,900	49.3	256.3	29,300	54.4	262.5	26,500							135
140	37.2	233.7	27,400*	39.8	239.2	30,900	43.5	246.1	29,300	46.9	251.8	27,700	52.2	258.7	25,100	56.9	262.9	22,500				140
145	34.1	226.6	26,000*	36.9	232.8	29,400	40.8	240.5	27,800	44.4	246.8	26,300	49.8	254.6	23,800	54.7	259.4	21,300				145
150	30.7	218.6	24,800*	33.8	225.6	28,000	38.0	234.3	26,500	41.8	241.4	25,000	47.4	250.1	22,600	52.5	255.7	20,200				150
155	26.9	209.3	23,700*	30.4	217.5	26,600	34.9	227.5	25,200	39.0	235.4	23,800	44.9	245.2	21,400	50.2	251.6	19,200				155
160	22.6	198.3	22,900*	26.6	208.1	25,400	31.6	219.7	24,000	36.0	228.8	22,600	42.3	239.9	20,400	47.8	247.2	18,200	52.7	251.5	16,000	160
165	17.2	184.1	22,300*	22.1	196.8	24,200	28.0	210.8	22,900	32.8	221.3	21,600	39.6	234.0	19,400	45.3	242.4	17,200	50.4	247.4	15,200	165
170	9.0	161.9	21,000*	16.6	182.2	23,100	23.8	200.3	21,800	29.3	212.9	20,600	36.6	227.6	18,500	42.7	237.1	16,400	48.0	243.1	14,400	170
175				7.8	158.2	21,100*	18.8	187.1	20,800	25.3	203.0	19,600	33.5	220.3	17,600	40.0	231.4	15,600	45.5	238.3	13,600	175
180							11.7	168.2	19,800	20.6	190.9	18,700	30.0	212.1	16,700	37.1	225.0	14,800	42.9	233.1	12,900	180
185										14.5	174.7	17,800	26.2	202.5	15,900	34.0	217.9	14,100	40.2	227.3	12,200	185
190													21.7	191.0	15,200	30.6	209.8	13,400	37.3	221.0	11,600	190
195													16.0	175.9	14,400	26.8	200.5	12,700	34.2	213.9	11,000	195
200													6.3	149.4	13,700	22.4	189.3	12,100	30.9	206.0	10,400	200
205																17.0	175.0	11,500	27.1	196.8	9,900	205
210																8.5	152.0	10,800	22.8	185.8	9,300	210
215																			17.5	171.8	8,800	215
220																			9.5	150.1	8,300	220

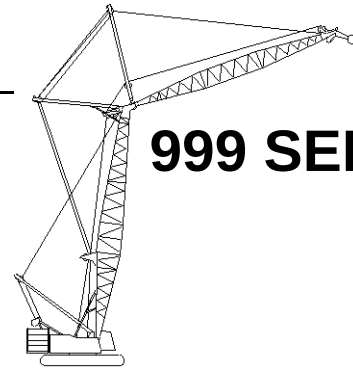


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 170 Ft. Jib

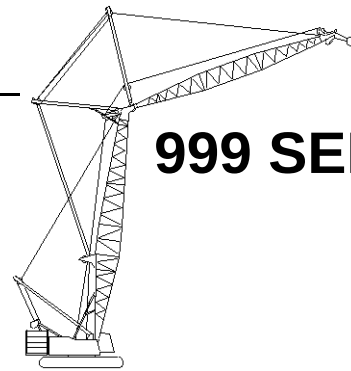
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	57,800													85
90	63.0	288.9	49,000*	64.7	290.9	56,200	67.3	293.2	53,600													90
95	61.1	286.2	46,200*	62.9	288.4	52,300	65.4	291.0	49,800	67.9	292.8	47,400										95
100	59.2	283.3	43,500*	60.9	285.7	48,800	63.5	288.5	46,500	66.0	290.6	44,200										100
105	57.2	280.2	41,000*	59.0	282.7	45,700	61.6	285.9	43,500	64.2	288.3	41,300										105
110	55.1	276.8	38,600*	57.0	279.5	42,900	59.7	283.0	40,800	62.3	285.7	38,700										110
115	53.1	273.1	36,400*	54.9	276.1	40,400	57.7	279.9	38,400	60.4	282.9	36,400										115
120	50.9	269.1	34,300*	52.9	272.4	38,100	55.7	276.6	36,200	58.4	279.9	34,200	62.7	283.6	31,100							120
125	48.7	264.8	32,300*	50.7	268.4	36,000	53.6	273.0	34,100	56.4	276.6	32,300	60.8	280.8	29,300							125
130	46.4	260.2	30,500*	48.5	264.1	34,000	51.5	269.1	32,300	54.3	273.1	30,500	58.8	277.9	27,600							130
135	44.0	255.1	28,800*	46.2	259.4	32,200	49.3	264.9	30,600	52.2	269.3	28,900	56.8	274.7	26,100							135
140	41.5	249.6	27,200*	43.8	254.3	30,600	47.0	260.3	29,000	50.0	265.2	27,400	54.7	271.2	24,700							140
145	38.8	243.6	25,800*	41.2	248.8	29,100	44.6	255.4	27,500	47.8	260.8	26,000	52.6	267.5	23,400	57.1	271.6	20,900				145
150	36.0	237.0	24,500*	38.6	242.7	27,600	42.1	250.0	26,100	45.4	256.0	24,700	50.5	263.5	22,200	55.1	268.2	19,800				150
155	33.0	229.6	23,300*	35.8	236.0	26,300	39.5	244.1	24,900	43.0	250.8	23,400	48.2	259.1	21,100	53.0	264.5	18,700				155
160	29.8	221.3	22,300*	32.7	228.5	25,100	36.8	237.7	23,700	40.4	245.1	22,300	45.9	254.4	20,000	50.8	260.5	17,800				160
165	26.1	211.7	21,400*	29.4	220.1	23,900	33.8	230.5	22,600	37.7	238.8	21,200	43.5	249.2	19,000	48.6	256.2	16,800				165
170	21.9	200.2	20,700*	25.7	210.4	22,800	30.6	222.4	21,500	34.9	231.9	20,200	41.0	243.7	18,100	46.3	251.5	16,000	51.0	256.3	13,900	170
175	16.7	185.6	20,200*	21.5	198.7	21,800	27.1	213.2	20,500	31.8	224.2	19,300	38.3	237.5	17,200	43.9	246.5	15,200	48.8	252.0	13,200	175
180	8.8	162.6	18,500*	16.1	183.6	20,800	23.1	202.3	19,600	28.4	215.4	18,400	35.5	230.8	16,400	41.4	240.9	14,400	46.5	247.4	12,500	180
185				7.6	158.8	18,600*	18.2	188.7	18,700	24.5	205.2	17,500	32.4	223.2	15,600	38.7	234.9	13,700	44.1	242.4	11,800	185
190							11.4	169.1	17,800	20.0	192.7	16,700	29.1	214.7	14,900	35.9	228.2	13,000	41.6	236.9	11,200	190
195										14.1	175.9	15,900	25.4	204.8	14,100	32.9	220.8	12,400	38.9	230.9	10,600	195
200													21.0	192.8	13,500	29.6	212.4	11,700	36.2	224.3	10,000	200
205													15.5	177.3	12,800	26.0	202.8	11,100	33.2	216.9	9,500	205
210													6.1	149.9	12,100	21.7	191.2	10,600	29.9	208.6	9,000	210
215																16.4	176.4	10,000	26.3	199.1	8,500	215
220																8.3	152.7	9,400	22.1	187.7	8,000	220
225																			16.9	173.3	7,500	225
230																			9.2	150.9	7,000	230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	53,100													90
95	62.9	297.6	45,000*	64.5	299.6	51,900	66.9	301.9	49,400													95
100	61.1	294.9	42,600*	62.7	297.0	48,400	65.1	299.6	46,000	67.5	301.5	43,600										100
105	59.2	292.0	40,300*	60.9	294.3	45,300	63.3	297.2	43,000	65.7	299.3	40,800										105
110	57.3	288.8	38,100*	59.0	291.4	42,500	61.5	294.5	40,300	63.9	296.9	38,200										110
115	55.4	285.5	35,900*	57.2	288.2	40,000	59.7	291.7	37,900	62.2	294.3	35,900										115
120	53.5	281.8	34,000*	55.2	284.8	37,700	57.8	288.6	35,700	60.3	291.6	33,800										120
125	51.4	277.9	32,100*	53.3	281.2	35,500	55.9	285.3	33,700	58.5	288.6	31,800	62.5	292.2	28,700							125
130	49.4	273.7	30,400*	51.2	277.2	33,600	54.0	281.7	31,800	56.6	285.3	30,000	60.7	289.5	27,100							130
135	47.2	269.2	28,700*	49.2	273.0	31,800	52.0	277.9	30,100	54.6	281.8	28,400	58.9	286.5	25,600							135
140	45.0	264.3	27,200*	47.0	268.5	30,200	49.9	273.8	28,500	52.7	278.1	26,900	57.0	283.4	24,200							140
145	42.7	259.1	25,800*	44.8	263.5	28,700	47.8	269.3	27,100	50.6	274.1	25,500	55.0	279.9	22,900							145
150	40.3	253.3	24,400*	42.5	258.2	27,200	45.6	264.5	25,700	48.5	269.8	24,200	53.1	276.3	21,700	57.3	280.3	19,200				150
155	37.7	247.0	23,200*	40.0	252.4	25,900	43.3	259.4	24,400	46.3	265.1	23,000	51.0	272.3	20,600	55.3	276.9	18,200				155
160	35.0	240.1	22,100*	37.4	246.1	24,700	40.9	253.8	23,300	44.1	260.1	21,800	49.0	268.0	19,500	53.4	273.2	17,200				160
165	32.1	232.5	21,200*	34.7	239.1	23,500	38.4	247.6	22,100	41.7	254.6	20,800	46.8	263.5	18,500	51.4	269.3	16,300				165
170	28.9	223.8	20,300*	31.8	231.4	22,400	35.7	240.9	21,100	39.2	248.7	19,800	44.6	258.5	17,600	49.3	265.1	15,400				170
175	25.4	213.9	19,600*	28.6	222.6	21,400	32.8	233.5	20,100	36.6	242.2	18,800	42.2	253.1	16,700	47.1	260.6	14,600	51.5	265.1	12,600	175
180	21.3	202.1	19,000*	25.0	212.6	20,400	29.7	225.1	19,200	33.8	235.0	17,900	39.8	247.3	15,900	44.9	255.7	13,900	49.4	260.9	11,900	180
185	16.2	187.0	18,600*	20.8	200.5	19,500	26.3	215.5	18,300	30.8	227.0	17,100	37.2	240.9	15,100	42.6	250.4	13,200	47.3	256.4	11,300	185
190	8.5	163.3	16,100*	15.6	184.9	18,600	22.4	204.3	17,500	27.5	217.9	16,300	34.4	233.9	14,400	40.1	244.6	12,500	45.1	251.6	10,600	190
195				7.3	159.4	16,200*	17.6	190.2	16,700	23.8	207.3	15,500	31.5	226.0	13,700	37.6	238.3	11,800	42.8	246.3	10,100	195
200							11.0	170.1	15,900	19.4	194.4	14,800	28.2	217.2	13,000	34.9	231.4	11,200	40.3	240.6	9,500	200
205										13.7	177.1	14,100	24.6	206.9	12,400	31.9	223.7	10,600	37.8	234.3	8,000	205
210													20.4	194.6	11,800	28.8	215.0	10,100	35.1	227.5	8,400	210
215													15.0	178.6	11,200	25.2	205.0	9,600	32.2	219.8	8,000	215
220													5.9	150.3	10,500	21.1	193.1	9,000	29.0	211.2	7,500	220
225																16.0	177.8	8,500	25.5	201.3	7,000	225
230																8.0	153.4	8,000	21.4	189.6	6,600	230
235																			16.4	174.7	6,200	235
240																			8.9	151.7	5,700	240

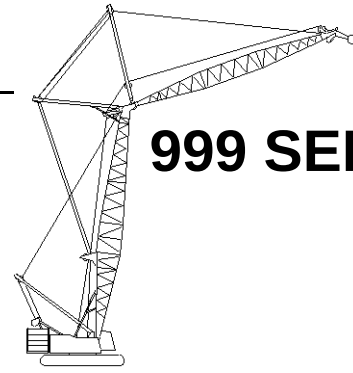


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 190 Ft. Jib

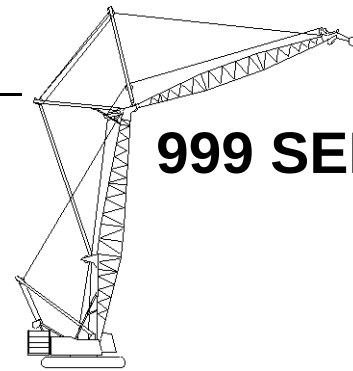
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	49,100													95
100	62.7	306.3	41,200*	64.3	308.3	48,200	66.5	310.6	45,800													100
105	61.0	303.6	39,100*	62.6	305.7	45,100	64.8	308.3	42,800	67.1	310.3	40,600										105
110	59.3	300.6	37,100*	60.8	303.0	42,300	63.2	305.9	40,100	65.4	308.0	38,000										110
115	57.5	297.5	35,200*	59.1	300.0	39,700	61.5	303.2	37,700	63.7	305.6	35,600										115
120	55.7	294.2	33,300*	57.3	296.9	37,400	59.7	300.3	35,500	62.0	303.0	33,500										120
125	53.8	290.6	31,600*	55.5	293.5	35,300	57.9	297.3	33,500	60.3	300.2	31,600										125
130	51.9	286.7	30,000*	53.6	289.9	33,400	56.1	294.0	31,600	58.6	297.2	29,800	62.4	300.9	26,900							130
135	50.0	282.6	28,400*	51.7	286.1	31,600	54.3	290.4	29,900	56.8	294.0	28,200	60.7	298.2	25,400							135
140	48.0	278.2	26,900*	49.8	281.9	30,000	52.4	286.7	28,300	54.9	290.6	26,700	58.9	295.2	24,000							140
145	45.9	273.5	25,500*	47.8	277.5	28,500	50.5	282.6	26,900	53.1	286.9	25,300	57.1	292.0	22,700							145
150	43.7	268.4	24,300*	45.7	272.7	27,000	48.5	278.3	25,500	51.1	282.9	24,000	55.3	288.6	21,500							150
155	41.5	262.9	23,000*	43.5	267.6	25,700	46.4	273.6	24,200	49.2	278.7	22,800	53.5	285.0	20,300	57.4	288.9	18,000				155
160	39.1	256.9	21,900*	41.3	262.0	24,500	44.3	268.6	23,100	47.1	274.2	21,600	51.5	281.1	19,300	55.6	285.6	17,000				160
165	36.6	250.4	20,900*	38.9	256.0	23,300	42.1	263.2	21,900	45.0	269.3	20,600	49.6	276.9	18,300	53.7	282.0	16,100				165
170	34.0	243.2	20,000*	36.4	249.4	22,200	39.7	257.4	20,900	42.8	264.0	19,600	47.6	272.5	17,400	51.8	278.1	15,200				170
175	31.2	235.3	19,200*	33.8	242.2	21,200	37.3	251.0	19,900	40.5	258.3	18,600	45.5	267.7	16,500	49.9	274.0	14,400				175
180	28.1	226.3	18,400*	30.9	234.2	20,200	34.7	244.0	19,000	38.2	252.1	17,700	43.3	262.5	15,700	47.9	269.6	13,700	52.0	273.9	11,700	180
185	24.7	216.1	17,800*	27.8	225.1	19,300	31.9	236.3	18,100	35.6	245.4	16,900	41.0	256.9	14,900	45.8	264.8	13,000	50.0	269.8	11,000	185
190	20.7	203.9	17,300*	24.3	214.7	18,500	28.9	227.7	17,300	32.9	237.9	16,100	38.7	250.8	14,200	43.6	259.7	12,300	48.0	265.4	10,400	190
195	15.8	188.3	16,900*	20.3	202.3	17,600	25.6	217.8	16,500	30.0	229.6	15,400	36.2	244.2	13,500	41.4	254.2	11,600	46.0	260.7	9,800	195
200	8.3	164.0	14,200*	15.2	186.3	16,800	21.8	206.2	15,700	26.8	220.2	14,600	33.5	236.9	12,800	39.0	248.2	11,000	43.8	255.6	9,300	200
205				7.1	160.0	14,300*	17.2	191.7	15,000	23.1	209.3	14,000	30.6	228.8	12,200	36.5	241.6	10,400	41.6	250.1	8,700	205
210							10.7	171.0	14,300	18.9	196.0	13,300	27.5	219.6	11,600	33.9	234.4	9,900	39.2	244.2	8,200	210
215										13.3	178.2	12,700	23.9	209.1	11,000	31.1	226.5	9,400	36.7	237.7	7,800	215
220													19.8	196.4	10,500	28.0	217.5	8,900	34.1	230.5	7,300	220
225													14.6	179.8	9,900	24.5	207.2	8,400	31.3	222.6	6,800	225
230													5.7	150.8	9,400	20.5	194.9	7,900	28.2	213.7	6,400	230
235																15.5	179.1	7,400	24.8	203.5	6,000	235
240																7.8	154.0	7,000	20.8	191.4	5,600	240
245																			16.0	176.1	5,200	245
250																			8.7	152.4	4,800	250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	42,400													105
110	61.0	312.2	36,000*	62.4	314.4	41,900	64.6	317.0	39,700	66.7	319.0	37,500										110
115	59.3	309.3	34,200*	60.8	311.6	39,300	63.0	314.5	37,200	65.2	316.7	35,200										115
120	57.6	306.2	32,500*	59.1	308.7	37,000	61.4	311.9	35,000	63.6	314.3	33,000										120
125	55.9	302.9	30,900*	57.5	305.6	34,900	59.7	309.0	33,000	61.9	311.7	31,100										125
130	54.1	299.3	29,300*	55.7	302.2	33,000	58.1	305.9	31,200	60.3	308.9	29,300										130
135	52.3	295.5	27,900*	54.0	298.7	31,200	56.3	302.7	29,500	58.6	305.9	27,700	62.3	309.6	24,800							135
140	50.5	291.5	26,500*	52.2	294.9	29,600	54.6	299.2	27,900	56.9	302.7	26,200	60.6	306.8	23,400							140
145	48.6	287.2	25,200*	50.3	290.8	28,000	52.8	295.5	26,400	55.2	299.3	24,800	59.0	303.9	22,100							145
150	46.7	282.6	24,000*	48.4	286.4	26,600	51.0	291.5	25,100	53.4	295.6	23,500	57.3	300.7	20,900							150
155	44.6	277.6	22,800*	46.5	281.8	25,300	49.1	287.2	23,800	51.6	291.7	22,300	55.6	297.3	19,800							155
160	42.5	272.3	21,700*	44.4	276.8	24,100	47.2	282.7	22,600	49.8	287.6	21,200	53.8	293.8	18,800	57.5	297.6	16,400				160
165	40.4	266.6	20,700*	42.3	271.4	22,900	45.2	277.8	21,500	47.8	283.2	20,100	52.0	289.9	17,800	55.8	294.3	15,500				165
170	38.1	260.3	19,800*	40.2	265.7	21,800	43.1	272.6	20,500	45.9	278.4	19,100	50.1	285.8	16,900	54.1	290.7	14,700				170
175	35.7	253.6	18,900*	37.9	259.4	20,800	40.9	267.0	19,500	43.8	273.3	18,200	48.2	281.5	16,000	52.3	286.9	13,900				175
180	33.1	246.2	18,100*	35.4	252.6	19,900	38.7	260.9	18,600	41.7	267.8	17,300	46.3	276.8	15,200	50.4	282.9	13,100				180
185	30.4	238.0	17,400*	32.9	245.1	18,900	36.3	254.3	17,700	39.5	261.9	16,500	44.2	271.8	14,400	48.5	278.5	12,400	52.4	282.7	10,500	185
190	27.4	228.8	16,800*	30.1	236.8	18,100	33.8	247.1	16,900	37.1	255.5	15,700	42.1	266.4	13,700	46.6	273.9	11,800	50.6	278.7	9,900	190
195	24.0	218.2	16,300*	27.1	227.5	17,300	31.1	239.1	16,100	34.7	248.5	14,900	39.9	260.5	13,000	44.6	268.9	11,100	48.7	274.4	9,300	195
200	20.1	205.6	15,900*	23.7	216.8	16,500	28.2	230.2	15,400	32.0	240.8	14,200	37.6	254.2	12,400	42.5	263.6	10,500	46.7	269.8	8,700	200
205	15.3	189.7	14,700*	19.7	204.0	15,700	24.9	220.0	14,600	29.2	232.2	13,500	35.2	247.4	11,700	40.3	257.9	9,900	44.7	264.8	8,200	205
210	8.0	164.7	12,200*	14.8	187.5	15,000	21.2	208.1	14,000	26.1	222.5	12,900	32.6	239.8	11,100	38.0	251.6	9,400	42.6	259.5	7,700	210
215				6.9	160.6	12,300*	16.7	193.2	13,300	22.5	211.3	12,300	29.8	231.4	10,600	35.6	244.8	8,900	40.5	253.8	7,200	215
220							10.4	171.9	12,700	18.4	197.6	11,700	26.7	222.0	10,000	33.0	237.4	8,400	38.2	247.6	6,800	220
225										12.9	179.3	11,100	23.3	211.1	9,500	30.2	229.2	7,900	35.8	240.9	6,300	225
230													19.3	198.0	9,000	27.2	219.9	7,400	33.2	233.5	5,900	230
235													14.2	181.1	8,500	23.9	209.3	7,000	30.5	225.3	5,500	235
240													5.6	151.3	8,000	20.0	196.6	6,600	27.5	216.2	5,100	240
245																15.1	180.4	6,100	24.2	205.7	4,700	245
250																7.6	154.6	5,700	20.3	193.2	4,400	250
255																			15.6	177.4	4,000	255

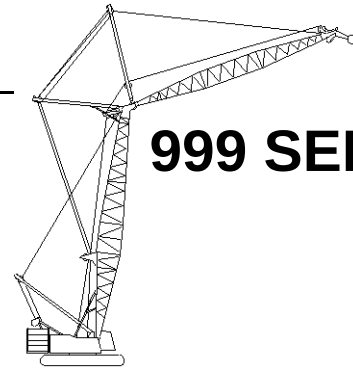


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



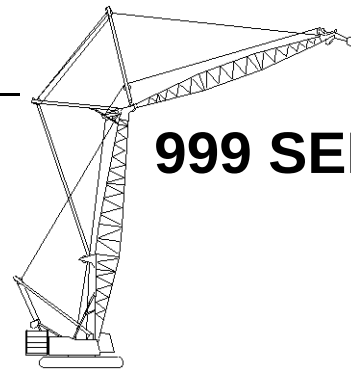
130 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.7	341.1	38,700*																65
70	74.3	339.8	38,300*																70
75	72.8	338.3	38,000*																75
80	71.4	336.6	37,700*	72.7	337.8	43,200*													80
85	69.9	334.8	37,300*	71.3	336.1	42,900*													85
90	68.5	332.9	36,800*	69.8	334.3	42,600*													90
95	67.0	330.8	36,300*	68.3	332.4	42,300*	70.3	334.2	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	39,300	67.9	329.9	37,100							110
115	60.9	320.9	33,200*	62.3	323.1	39,000	64.4	325.7	36,900	66.4	327.7	34,800							115
120	59.3	318.0	31,700*	60.8	320.3	36,700	62.9	323.2	34,700	64.9	325.4	32,600							120
125	57.7	314.9	30,200*	59.2	317.4	34,600	61.3	320.5	32,600	63.4	323.0	30,700							125
130	56.1	311.6	28,700*	57.6	314.2	32,600	59.7	317.7	30,800	61.9	320.3	28,900							130
135	54.4	308.1	27,400*	55.9	310.9	30,900	58.1	314.6	29,100	60.3	317.5	27,300							135
140	52.7	304.3	26,100*	54.3	307.4	29,200	56.5	311.4	27,500	58.7	314.5	25,800	62.2	318.2	23,000				140
145	51.0	300.3	24,800*	52.6	303.6	27,700	54.9	307.9	26,100	57.1	311.4	24,400	60.6	315.5	21,700				145
150	49.2	296.1	23,700*	50.8	299.6	26,300	53.2	304.2	24,700	55.4	308.0	23,100	59.0	312.5	20,500				150
155	47.4	291.6	22,600*	49.0	295.4	25,000	51.4	300.3	23,400	53.8	304.4	21,900	57.4	309.4	19,400				155
160	45.5	286.8	21,500*	47.2	290.8	23,700	49.7	296.1	22,300	52.0	300.6	20,800	55.8	306.1	18,400				160
165	43.5	281.6	20,600*	45.3	286.0	22,600	47.8	291.7	21,200	50.3	296.5	19,700	54.1	302.5	17,400	57.7	306.3	15,100	165
170	41.5	276.1	19,600*	43.3	280.8	21,500	46.0	287.0	20,100	48.5	292.1	18,700	52.4	298.7	16,500	56.0	303.0	14,300	170
175	39.3	270.1	18,700*	41.3	275.2	20,500	44.0	281.9	19,100	46.6	287.5	17,800	50.6	294.7	15,600	54.4	299.5	13,500	175
180	37.1	263.7	17,900*	39.1	269.2	19,500	42.0	276.5	18,200	44.7	282.5	16,900	48.8	290.4	14,800	52.7	295.7	12,700	180
185	34.8	256.7	17,200*	36.9	262.8	18,600	39.9	270.6	17,400	42.7	277.2	16,100	47.0	285.8	14,000	50.9	291.7	12,000	185
190	32.3	249.1	16,600*	34.6	255.7	17,800	37.7	264.3	16,500	40.6	271.6	15,300	45.1	280.9	13,300	49.1	287.5	11,300	190
195	29.6	240.6	16,000*	32.0	248.0	16,900	35.4	257.5	15,800	38.5	265.4	14,600	43.1	275.7	12,600	47.3	282.9	10,700	195
200	26.7	231.1	15,400*	29.3	239.5	16,200	32.9	250.0	15,000	36.2	258.8	13,900	41.1	270.1	12,000	45.4	278.1	10,100	200
205	23.4	220.3	15,000*	26.4	229.9	15,400	30.3	241.8	14,300	33.8	251.6	13,200	38.9	264.1	11,400	43.4	272.9	9,500	205
210	19.6	207.4	14,500*	23.1	218.8	14,700	27.5	232.6	13,600	31.2	243.6	12,600	36.7	257.6	10,800	41.4	267.4	9,000	210
215	15.0	191.0	12,700*	19.2	205.7	14,100	24.3	222.2	13,000	28.5	234.8	11,900	34.3	250.5	10,200	39.3	261.4	8,500	215
220	7.8	165.4	10,400*	14.4	188.8	13,000*	20.7	209.9	12,400	25.4	224.8	11,400	31.8	242.7	9,700	37.0	255.0	8,000	220
225				6.8	161.2	10,500*	16.3	194.6	11,800	22.0	213.2	10,800	29.1	234.0	9,100	34.7	248.0	7,500	225
230							10.2	172.7	11,200	17.9	199.2	10,300	26.1	224.3	8,600	32.2	240.3	7,100	230
235										12.6	180.4	9,700	22.7	213.1	8,200	29.5	231.8	6,600	235
240													18.8	199.7	7,700	26.6	222.3	6,200	240
245													13.9	182.3	7,200	23.3	211.3	5,800	245
250													5.4	151.7	6,800	19.5	198.3	5,400	250
255																14.7	181.7	5,000	255
260																7.4	155.3	4,600	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			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	36,400*	67.5	338.6	34,300							115
120	60.9	329.5	30,600*	62.2	331.7	36,100*	64.2	334.4	34,200	66.1	336.4	32,200							120
125	59.4	326.6	29,300*	60.7	329.0	34,200	62.7	331.9	32,200	64.7	334.1	30,200							125
130	57.8	323.5	28,000*	59.2	326.0	32,200	61.3	329.2	30,300	63.2	331.6	28,500							130
135	56.3	320.3	26,700*	57.7	322.9	30,400	59.8	326.3	28,600	61.8	329.0	26,800							135
140	54.7	316.8	25,500*	56.1	319.6	28,800	58.2	323.3	27,100	60.3	326.2	25,300							140
145	53.1	313.1	24,300*	54.5	316.1	27,300	56.7	320.0	25,600	58.8	323.2	23,900	62.1	326.9	21,200				145
150	51.4	309.2	23,200*	52.9	312.4	25,900	55.1	316.6	24,300	57.2	320.0	22,700	60.6	324.1	20,000				150
155	49.7	305.0	22,200*	51.3	308.5	24,600	53.5	313.0	23,000	55.6	316.7	21,400	59.1	321.2	18,900				155
160	48.0	300.6	21,200*	49.6	304.3	23,300	51.8	309.1	21,800	54.0	313.1	20,300	57.5	318.1	17,900				160
165	46.2	295.9	20,300*	47.8	299.8	22,200	50.2	305.0	20,700	52.4	309.3	19,300	56.0	314.7	16,900				165
170	44.4	290.9	19,400*	46.0	295.1	21,100	48.4	300.7	19,700	50.7	305.3	18,300	54.4	311.2	16,000	57.8	315.0	13,700	170
175	42.4	285.5	18,600*	44.2	290.1	20,100	46.7	296.0	18,700	49.0	301.1	17,400	52.8	307.5	15,100	56.2	311.7	12,900	175
180	40.5	279.8	17,800*	42.3	284.7	19,100	44.8	291.1	17,800	47.3	296.5	16,500	51.1	303.5	14,300	54.6	308.2	12,200	180
185	38.4	273.6	17,000*	40.3	278.9	18,200	42.9	285.8	16,900	45.5	291.7	15,700	49.4	299.3	13,500	53.0	304.5	11,500	185
190	36.2	267.0	16,300*	38.2	272.7	17,400	41.0	280.2	16,100	43.6	286.6	14,900	47.6	294.8	12,800	51.3	300.5	10,800	190
195	34.0	259.8	15,700*	36.0	266.0	16,600	38.9	274.2	15,300	41.7	281.1	14,100	45.8	290.1	12,100	49.7	296.4	10,200	195
200	31.5	251.9	15,100*	33.7	258.8	15,800	36.8	267.7	14,600	39.7	275.2	13,400	44.0	285.0	11,500	47.9	291.9	9,600	200
205	28.9	243.2	14,600*	31.3	250.8	15,000	34.6	260.6	13,900	37.5	268.8	12,800	42.1	279.6	10,900	46.1	287.2	9,000	205
210	26.1	233.5	14,200*	28.6	242.0	14,300	32.2	252.9	13,200	35.3	262.0	12,100	40.1	273.8	10,300	44.3	282.2	8,500	210
215	22.9	222.3	13,400*	25.8	232.2	13,700	29.6	244.5	12,600	33.0	254.5	11,500	38.0	267.5	9,700	42.4	276.8	8,000	215
220	19.2	209.0	12,400*	22.5	220.8	13,000	26.8	235.0	12,000	30.5	246.3	10,900	35.8	260.8	9,200	40.4	271.1	7,500	220
225	14.6	192.2	10,800*	18.8	207.3	12,400	23.7	224.3	11,400	27.8	237.2	10,400	33.5	253.5	8,700	38.3	264.9	7,000	225
230	7.6	166.0	8,600*	14.1	190.0	11,000*	20.2	211.6	10,800	24.8	227.0	9,800	31.0	245.4	8,200	36.1	258.3	6,600	230
235				6.6	161.7	8,800*	15.9	196.0	10,300	21.5	215.1	9,300	28.4	236.6	7,700	33.9	251.0	6,100	235
240							9.9	173.6	9,700	17.5	200.7	8,800	25.5	226.6	7,300	31.4	243.1	5,700	240
245										12.3	181.5	8,300	22.2	215.1	6,800	28.8	234.4	5,300	245
250													18.4	201.3	6,400	25.9	224.6	4,900	250
255													13.5	183.4	6,000	22.7	213.3	4,600	255
260													5.3	152.2	5,500	19.0	200.0	4,200	260

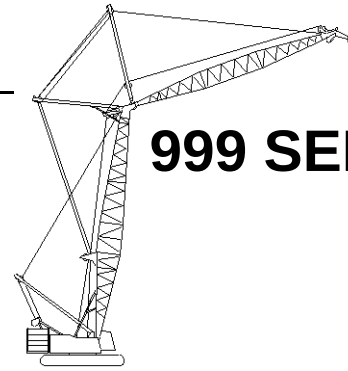


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



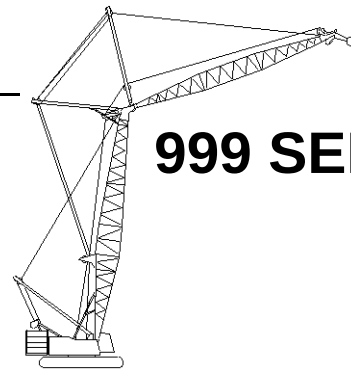
130 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.7	360.5	32,700*													70
75	74.4	359.1	32,400*													75
80	73.1	357.7	32,100*													80
85	71.8	356.0	31,800*	72.9	357.2	36,900*										85
90	70.4	354.3	31,400*	71.6	355.6	36,600*										90
95	69.1	352.4	31,000*	70.3	353.8	36,400*										95
100	67.8	350.4	30,600*	69.0	351.9	36,100*	70.8	353.7	35,600*							100
105	66.4	348.3	30,300*	67.6	349.9	35,800*	69.5	351.8	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	33,900	67.2	347.4	31,800				120
125	60.8	338.2	26,900*	62.1	340.4	31,700*	64.0	343.1	31,900	65.9	345.2	29,900				125
130	59.4	335.3	25,700*	60.7	337.6	30,500*	62.6	340.5	30,000	64.5	342.8	28,100				130
135	57.9	332.2	24,600*	59.3	334.7	29,300*	61.2	337.8	28,300	63.1	340.3	26,500				135
140	56.4	328.9	23,500*	57.8	331.6	28,100*	59.8	335.0	26,800	61.7	337.7	25,000				140
145	54.9	325.5	22,500*	56.3	328.3	26,900*	58.3	331.9	25,300	60.3	334.9	23,600				145
150	53.4	321.8	21,500*	54.8	324.8	25,600	56.8	328.7	23,900	58.8	331.9	22,300	62.0	335.6	19,700	150
155	51.8	318.0	20,600*	53.2	321.2	24,300	55.3	325.3	22,700	57.3	328.7	21,100	60.6	332.8	18,600	155
160	50.2	313.9	19,700*	51.7	317.3	23,000	53.8	321.7	21,500	55.8	325.4	20,000	59.1	329.9	17,500	160
165	48.6	309.5	18,800*	50.0	313.2	21,900	52.2	317.9	20,400	54.3	321.9	19,000	57.6	326.7	16,600	165
170	46.9	304.9	18,000*	48.4	308.8	20,800	50.6	313.9	19,400	52.8	318.1	18,000	56.2	323.4	15,700	170
175	45.1	300.1	17,200*	46.7	304.2	19,800	49.0	309.6	18,400	51.2	314.2	17,100	54.6	319.9	14,800	175
180	43.3	294.9	16,500*	45.0	299.3	18,800	47.3	305.1	17,500	49.5	310.0	16,200	53.1	316.3	14,000	180
185	41.5	289.3	15,900*	43.1	294.0	17,900	45.6	300.3	16,600	47.9	305.5	15,400	51.5	312.3	13,200	185
190	39.5	283.4	15,200*	41.3	288.5	17,100	43.8	295.1	15,800	46.2	300.8	14,600	49.9	308.2	12,500	190
195	37.5	277.0	14,600*	39.3	282.5	16,300	41.9	289.7	15,000	44.4	295.8	13,800	48.2	303.8	11,800	195
200	35.4	270.2	14,100*	37.3	276.1	15,500	40.0	283.9	14,300	42.6	290.5	13,100	46.5	299.2	11,200	200
205	33.2	262.8	13,600*	35.2	269.2	14,800	38.0	277.6	13,600	40.7	284.8	12,500	44.8	294.2	10,600	205
210	30.8	254.7	13,200*	33.0	261.7	14,100	36.0	270.9	13,000	38.7	278.7	11,800	43.0	289.0	10,000	210
215	28.3	245.7	12,800*	30.6	253.5	13,400	33.8	263.7	12,300	36.7	272.2	11,200	41.1	283.4	9,400	215
220	25.5	235.7	12,400*	28.0	244.5	12,800	31.4	255.7	11,700	34.5	265.1	10,700	39.1	277.3	8,900	220
225	22.3	224.3	12,000*	25.2	234.4	12,200	28.9	247.0	11,100	32.2	257.4	10,100	37.1	270.9	8,400	225
230	18.7	210.7	10,600*	22.0	222.8	11,600	26.2	237.3	10,600	29.8	249.0	9,600	35.0	264.0	7,900	230
235	14.3	193.5	9,100*	18.4	208.9	10,900*	23.2	226.3	10,100	27.2	239.7	9,100	32.7	256.4	7,400	235
240	7.5	166.6	7,100*	13.8	191.2	9,300*	19.7	213.4	9,500	24.3	229.1	8,600	30.3	248.2	7,000	240
245				6.5	162.3	7,200*	15.6	197.3	9,000	21.0	216.9	8,100	27.7	239.0	6,600	245
250							9.7	174.4	8,500	17.1	202.2	7,700	24.9	228.8	6,200	250
255										12.0	182.5	7,200	21.7	217.0	5,700	255
260													18.0	202.9	5,400	260
265													13.2	184.6	5,000	265
270													5.2	152.6	4,600	270

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.0	369.5	29,600*										75
80	73.8	368.1	29,300*										80
85	72.5	366.6	29,100*	73.7	367.6	33,600*							85
90	71.3	364.9	28,800*	72.4	366.1	33,300*							90
95	70.0	363.1	28,500*	71.2	364.4	33,100*							95
100	68.7	361.2	28,200*	69.9	362.6	32,800*							100
105	67.5	359.2	27,900*	68.6	360.7	32,500*	70.3	362.5	32,100*				105
110	66.2	357.0	27,500*	67.3	358.6	32,300*	69.1	360.6	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	29,400	125
130	60.8	346.9	24,800*	62.0	349.0	29,200*	63.9	351.8	29,600	65.6	353.9	27,700	130
135	59.4	344.0	23,800*	60.7	346.3	28,100*	62.5	349.2	27,900	64.3	351.5	26,000	135
140	58.0	340.9	22,800*	59.3	343.4	27,100*	61.2	346.5	26,300	63.0	349.0	24,500	140
145	56.6	337.6	21,800*	57.9	340.3	26,000*	59.8	343.6	24,900	61.6	346.3	23,200	145
150	55.1	334.2	20,900*	56.5	337.0	25,000*	58.4	340.6	23,500	60.3	343.5	21,900	150
155	53.7	330.6	20,000*	55.0	333.6	23,800	57.0	337.4	22,300	58.9	340.5	20,700	155
160	52.2	326.8	19,200*	53.5	329.9	22,600	55.5	334.0	21,100	57.5	337.4	19,600	160
165	50.6	322.7	18,400*	52.0	326.1	21,500	54.1	330.5	20,000	56.0	334.1	18,500	165
170	49.1	318.5	17,600*	50.5	322.0	20,400	52.6	326.7	19,000	54.6	330.6	17,500	170
175	47.5	314.0	16,900*	48.9	317.7	19,400	51.0	322.7	18,000	53.1	326.9	16,600	175
180	45.8	309.2	16,200*	47.3	313.2	18,400	49.5	318.5	17,100	51.6	323.0	15,700	180
185	44.1	304.1	15,600*	45.7	308.4	17,500	47.9	314.1	16,200	50.0	318.8	14,900	185
190	42.4	298.7	14,900*	43.9	303.3	16,700	46.2	309.4	15,400	48.4	314.5	14,100	190
195	40.5	293.0	14,400*	42.2	297.9	15,900	44.6	304.4	14,600	46.8	309.9	13,400	195
200	38.7	286.9	13,800*	40.4	292.1	15,100	42.8	299.1	13,900	45.1	305.0	12,700	200
205	36.7	280.4	13,300*	38.5	286.0	14,400	41.0	293.5	13,200	43.4	299.8	12,000	205
210	34.6	273.3	12,900*	36.5	279.4	13,700	39.2	287.4	12,500	41.6	294.3	11,400	210
215	32.5	265.7	12,400*	34.4	272.3	13,000	37.2	281.0	11,900	39.8	288.4	10,800	215
220	30.1	257.4	12,000*	32.2	264.6	12,400	35.2	274.1	11,300	37.9	282.1	10,200	220
225	27.6	248.2	11,600*	29.9	256.2	11,800	33.0	266.6	10,700	35.9	275.4	9,700	225
230	24.9	237.9	11,000*	27.4	246.9	11,200	30.7	258.5	10,200	33.8	268.1	9,200	230
235	21.9	226.2	10,100*	24.6	236.6	10,700	28.3	249.6	9,700	31.5	260.2	8,600	235
240	18.3	212.3	8,800*	21.6	224.7	10,100	25.6	239.6	9,100	29.2	251.6	8,200	240
245	14.0	194.7	7,400*	18.0	210.5	9,100*	22.7	228.3	8,700	26.6	242.0	7,700	245
250	7.3	167.2	5,600*	13.5	192.4	7,600*	19.3	215.1	8,200	23.7	231.2	7,300	250
255				6.3	162.8	5,700*	15.2	198.7	7,700	20.5	218.7	6,800	255
260							9.5	175.2	7,100*	16.7	203.6	6,400	260
265										11.8	183.5	6,000	265

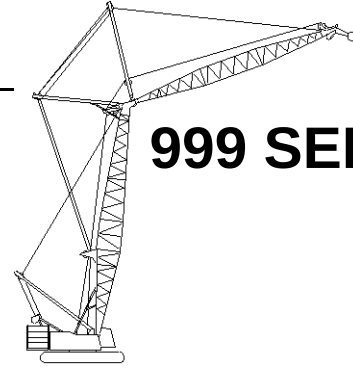


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 70 Ft. Jib

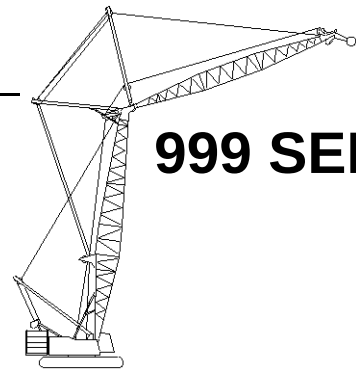
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.7	220.9	116,000*b																			45
50	62.7	218.5	108,400*b	66.6	220.5	115,500*b																50
55	58.5	215.5	101,600*	62.6	218.1	108,000*b	68.4	220.7	106,000b													55
60	54.2	212.1	95,600*	58.4	215.1	98,700	64.4	218.4	94,700b													60
65	49.6	208.0	89,500*	54.1	211.7	89,100	60.3	215.7	85,400	66.2	218.3	81,800b										65
70	44.6	203.2	81,200*	49.5	207.6	81,000	56.1	212.5	77,700	62.2	215.8	74,300b										70
75	39.1	197.5	74,400*	44.5	202.8	74,100	51.6	208.7	71,100	58.0	212.8	68,000										75
80	32.9	190.4	68,700*	39.0	197.0	68,300	46.8	204.3	65,400	53.6	209.3	62,600										80
85	25.3	181.0	64,400*	32.7	189.8	63,100	41.6	199.0	60,500	49.0	205.2	57,900	59.6	211.2	53,500							85
90	14.2	166.4	58,900*	25.1	180.4	58,600	35.7	192.5	56,200	44.0	200.2	53,800	55.3	207.8	49,700							90
95				13.8	165.5	54,600	28.8	184.3	52,400	38.4	194.3	50,100	50.8	204.0	46,300							95
100							19.8	172.7	48,900	32.1	187.0	46,900	45.9	199.4	43,300	56.7	205.1	39,800				100
105										24.2	177.3	43,900	40.6	193.9	40,600	52.2	201.4	37,300				105
110										12.2	161.2	41,200	34.6	187.2	38,100	47.5	197.0	35,000				110
115													27.4	178.5	35,900	42.3	191.9	32,900				115
120													17.7	165.9	33,800	36.6	185.6	31,000	48.7	193.3	28,300	120
125																29.9	177.7	29,300	43.6	188.4	26,700	125
130																21.3	166.8	27,700	38.0	182.4	25,200	130
135																			31.6	174.9	23,800	135
140																			23.7	165.0	22,600	140
145																			10.9	148.0	21,300	145

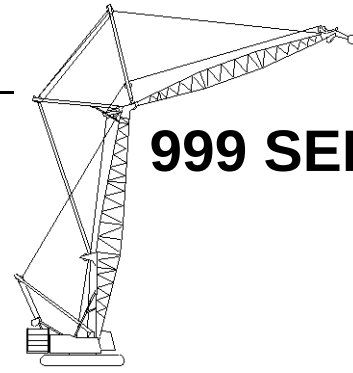


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 90 Ft. Jib

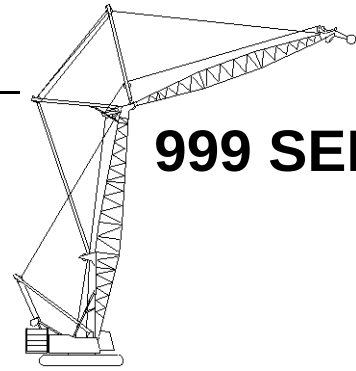
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.6	242.4	99,800*b																			45
50	68.5	240.6	96,600*b	71.5	242.1	108,200*b																50
55	65.4	238.3	93,600*	68.4	240.2	101,800*b																55
60	62.1	235.8	90,400*	65.3	238.0	95,900*	69.8	240.3	93,900b													60
65	58.8	232.9	83,800*	62.1	235.4	88,400	66.7	238.2	84,600													65
70	55.4	229.6	76,800*	58.7	232.5	80,400	63.5	235.8	76,900													70
75	51.8	225.8	70,600*	55.3	229.1	73,500	60.3	233.0	70,300	65.0	235.7	67,100										75
80	48.0	221.4	64,900*	51.7	225.3	67,700	56.9	229.9	64,700	61.7	233.1	61,800										80
85	44.0	216.5	59,600*	47.9	221.0	62,600	53.4	226.3	59,900	58.4	230.1	57,100										85
90	39.6	210.7	55,100*	43.9	216.0	58,200	49.7	222.2	55,600	55.0	226.8	53,000	63.0	231.3	48,700							90
95	34.8	204.0	51,300*	39.5	210.3	54,200	45.7	217.6	51,800	51.3	222.9	49,400	59.7	228.5	45,400							95
100	29.3	195.8	48,100*	34.7	203.5	50,700	41.5	212.2	48,500	47.5	218.5	46,200	56.3	225.3	42,400							100
105	22.5	185.1	45,700*	29.1	195.2	47,600	36.9	205.9	45,400	43.5	213.5	43,300	52.7	221.6	39,700							105
110	12.6	168.6	44,500*	22.3	184.5	44,700	31.8	198.4	42,700	39.0	207.6	40,700	49.0	217.4	37,300	57.4	222.5	34,000				110
115				12.3	167.6	42,000	25.6	189.0	40,200	34.2	200.7	38,300	45.0	212.6	35,100	53.9	218.9	32,000				115
120							17.6	175.9	37,900	28.5	192.3	36,200	40.8	207.1	33,100	50.2	214.9	30,100				120
125										21.6	181.2	34,100	36.1	200.6	31,300	46.3	210.4	28,400				125
130										10.8	163.1	32,200	30.8	192.8	29,600	42.2	205.1	26,900	51.1	211.1	24,200	130
135													24.4	183.0	28,000	37.6	198.9	25,500	47.3	206.7	22,900	135
140													15.8	168.7	26,500	32.5	191.6	24,100	43.2	201.6	21,700	140
145																26.6	182.5	22,900	38.8	195.7	20,500	145
150																18.9	170.2	21,700	33.8	188.7	19,500	150
155																			28.1	180.1	18,500	155
160																			21.0	168.8	17,500	160
165																			9.7	149.6	16,600	165

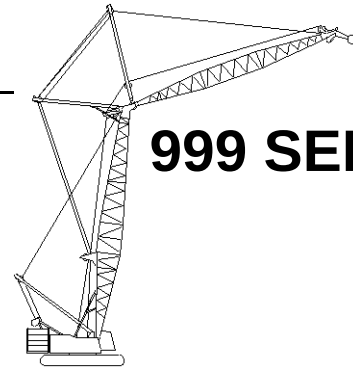


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 110 Ft. Jib

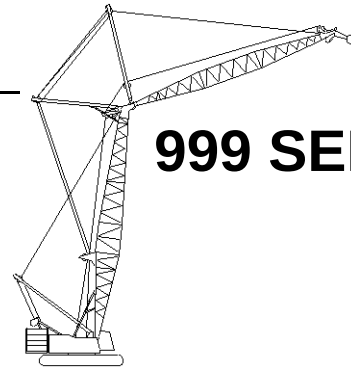
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	263.4	85,500*																			45
50	72.2	261.9	82,400*																			50
55	69.7	260.1	81,100*	72.2	261.5	95,200*																55
60	67.1	258.0	78,100*	69.6	259.7	90,200*																60
65	64.5	255.7	76,100*	67.0	257.6	85,500*	70.8	259.7	83,900													65
70	61.8	253.1	72,200*	64.4	255.3	79,800	68.2	257.8	76,200													70
75	59.0	250.2	66,900*	61.7	252.7	73,000	65.6	255.6	69,700													75
80	56.2	247.0	61,900*	59.0	249.8	67,200	63.0	253.1	64,100	66.8	255.4	61,100										80
85	53.2	243.3	57,300*	56.1	246.5	62,100	60.2	250.4	59,300	64.2	253.1	56,400										85
90	50.2	239.3	53,200*	53.2	242.9	57,700	57.4	247.3	55,000	61.5	250.4	52,400										90
95	46.9	234.8	49,300*	50.1	238.9	53,800	54.5	243.8	51,300	58.7	247.5	48,800										95
100	43.5	229.7	45,800*	46.9	234.3	50,300	51.5	239.9	47,900	55.8	244.2	45,600	62.5	248.6	41,700							100
105	39.9	224.0	42,700*	43.5	229.3	47,200	48.4	235.7	44,900	52.9	240.5	42,700	59.7	245.8	39,000							105
110	36.0	217.4	40,000*	39.8	223.5	44,400	45.0	230.8	42,200	49.8	236.4	40,100	56.9	242.6	36,600							110
115	31.6	209.8	37,600*	35.9	216.9	41,800	41.5	225.4	39,800	46.5	231.9	37,800	54.0	239.1	34,500							115
120	26.6	200.6	35,700*	31.5	209.3	39,500	37.7	219.2	37,600	43.1	226.7	35,700	51.0	235.2	32,500	57.8	239.8	29,400				120
125	20.5	188.8	34,300*	26.5	200.0	37,300	33.6	212.1	35,500	39.5	220.9	33,700	47.8	230.8	30,700	54.9	236.4	27,700				125
130	11.5	170.6	33,700*	20.3	188.1	35,400	28.9	203.7	33,600	35.5	214.2	31,900	44.4	225.9	29,000	51.9	232.6	26,200				130
135				11.1	169.6	33,500	23.3	193.2	31,900	31.0	206.4	30,200	40.9	220.3	27,500	48.8	228.4	24,800				135
140							16.0	178.7	30,200	25.9	197.0	28,700	37.0	214.0	26,100	45.5	223.7	23,500	52.7	228.7	20,900	140
145										19.6	184.7	27,200	32.8	206.7	24,700	42.0	218.3	22,200	49.6	224.6	19,800	145
150										9.8	164.8	25,800	28.0	197.9	23,500	38.3	212.3	21,100	46.3	220.0	18,800	150
155													22.2	186.9	22,300	34.2	205.3	20,100	42.9	214.8	17,800	155
160													14.3	171.2	21,200	29.6	197.0	19,100	39.2	208.9	16,900	160
165																24.2	186.9	18,100	35.2	202.2	16,000	165
170																17.2	173.2	17,200	30.7	194.3	15,200	170
175																			25.6	184.7	14,500	175
180																			19.1	172.2	13,700	180
185																			8.8	151.1	13,000	185

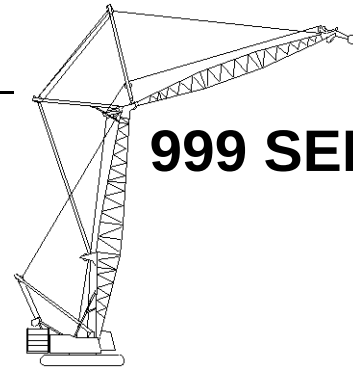


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 130 Ft. Jib

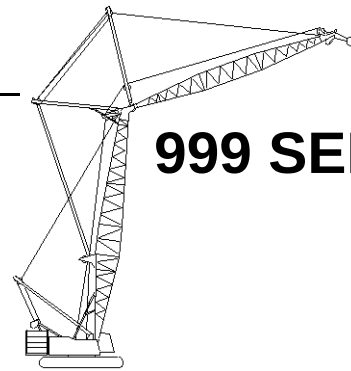
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	75,900													70
75	61.7	261.8	64,900*	64.1	264.0	72,700	67.6	266.5	69,400													75
80	59.1	258.9	60,300*	61.6	261.4	66,900	65.2	264.3	63,800													80
85	56.5	255.7	56,100*	59.0	258.5	61,800	62.7	261.8	58,900	66.3	264.1	56,000										85
90	53.8	252.1	52,100*	56.4	255.2	57,400	60.2	259.0	54,700	63.8	261.7	52,000										90
95	51.0	248.2	48,600*	53.7	251.7	53,500	57.6	255.9	50,900	61.3	259.1	48,400										95
100	48.0	243.8	45,200*	50.9	247.7	50,000	55.0	252.5	47,600	58.8	256.1	45,200										100
105	45.0	239.0	42,100*	48.0	243.4	46,900	52.2	248.8	44,600	56.2	252.9	42,300	62.3	257.3	38,600							105
110	41.7	233.6	39,400*	44.9	238.5	44,100	49.3	244.6	41,900	53.4	249.3	39,800	59.8	254.5	36,200							110
115	38.3	227.5	36,900*	41.7	233.1	41,500	46.3	240.0	39,500	50.6	245.3	37,400	57.2	251.3	34,100							115
120	34.5	220.6	34,800*	38.2	227.0	39,200	43.2	234.8	37,300	47.7	240.9	35,300	54.5	247.8	32,100							120
125	30.3	212.5	32,900*	34.4	220.0	37,100	39.8	229.1	35,200	44.6	236.0	33,400	51.7	244.0	30,300	58.0	248.5	27,300				125
130	25.5	202.8	31,400*	30.2	212.0	35,100	36.2	222.5	33,400	41.3	230.5	31,600	48.8	239.8	28,600	55.3	245.1	25,800				130
135	19.6	190.5	30,200*	25.4	202.2	33,300	32.2	215.0	31,600	37.8	224.3	29,900	45.8	235.1	27,100	52.6	241.4	24,400				135
140	11.0	171.5	29,800*	19.5	189.8	31,600	27.7	206.1	30,000	34.0	217.3	28,400	42.6	229.8	25,700	49.7	237.3	23,100				140
145				10.7	170.5	30,000	22.4	195.1	28,500	29.8	209.1	27,000	39.2	223.9	24,400	46.8	232.8	21,900				145
150							15.3	180.0	27,100	24.9	199.2	25,700	35.5	217.2	23,200	43.6	227.7	20,700	50.4	233.5	18,300	150
155										18.8	186.3	24,400	31.4	209.5	22,000	40.3	222.0	19,700	47.5	229.0	17,400	155
160										9.4	165.5	23,200	26.8	200.3	21,000	36.7	215.6	18,700	44.4	224.1	16,500	160
165													21.3	188.8	20,000	32.8	208.2	17,800	41.1	218.6	15,600	165
170													13.7	172.4	19,000	28.4	199.6	16,900	37.6	212.4	14,900	170
175																23.2	188.9	16,100	33.8	205.3	14,100	175
180																16.5	174.7	15,300	29.5	197.0	13,400	180
185																			24.5	186.9	12,700	185
190																			18.4	173.8	12,000	190
195																			8.4	151.8	11,400	195



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	282.8	69,900*																			50
55	72.7	281.3	68,500*																			55
60	70.5	279.6	67,100*	72.6	280.9	82,400*																60
65	68.3	277.6	66,300*	70.5	279.2	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	72,300	69.3	277.3	68,900													75
80	61.5	270.4	58,800*	63.8	272.7	66,500	67.1	275.3	63,300													80
85	59.2	267.5	54,900*	61.5	270.0	61,400	64.8	273.0	58,400													85
90	56.7	264.3	51,200*	59.1	267.1	57,000	62.5	270.5	54,200	65.8	272.8	51,400										90
95	54.2	260.8	47,800*	56.7	263.9	53,100	60.2	267.7	50,500	63.6	270.4	47,900										95
100	51.7	257.0	44,600*	54.2	260.4	49,600	57.8	264.6	47,100	61.2	267.8	44,700										100
105	49.0	252.8	41,800*	51.6	256.6	46,500	55.3	261.2	44,200	58.9	264.8	41,800										105
110	46.2	248.1	39,100*	48.9	252.3	43,700	52.8	257.5	41,500	56.4	261.6	39,300	62.1	266.0	35,600							110
115	43.2	243.0	36,600*	46.1	247.7	41,100	50.1	253.5	39,000	53.9	258.0	36,900	59.8	263.1	33,500							115
120	40.1	237.2	34,300*	43.2	242.5	38,800	47.4	249.0	36,800	51.3	254.1	34,800	57.4	260.0	31,500							120
125	36.8	230.8	32,400*	40.1	236.8	36,700	44.5	244.1	34,800	48.6	249.9	32,900	54.9	256.6	29,700							125
130	33.2	223.5	30,600*	36.7	230.3	34,800	41.5	238.6	32,900	45.8	245.2	31,100	52.3	252.8	28,100							130
135	29.2	215.1	29,100*	33.1	223.0	33,000	38.3	232.5	31,200	42.9	239.9	29,500	49.7	248.7	26,600	55.7	253.8	23,800				135
140	24.6	205.0	27,900*	29.1	214.6	31,300	34.8	225.7	29,600	39.7	234.2	28,000	46.9	244.1	25,200	53.1	250.2	22,500				140
145	18.9	192.1	27,000*	24.4	204.4	29,700	31.0	217.8	28,200	36.4	227.6	26,600	44.0	239.1	23,900	50.5	246.2	21,300				145
150	10.6	172.4	26,700*	18.7	191.4	28,300	26.7	208.5	26,800	32.7	220.2	25,200	40.9	233.6	22,700	47.8	241.8	20,200				150
155				10.3	171.3	26,900	21.5	197.0	25,500	28.7	211.6	24,000	37.7	227.4	21,600	44.9	236.9	19,100	51.2	242.3	16,800	155
160							14.8	181.3	24,200	23.9	201.3	22,900	34.1	220.3	20,500	41.9	231.5	18,200	48.5	238.0	15,900	160
165										18.1	187.9	21,800	30.2	212.2	19,500	38.7	225.5	17,300	45.6	233.3	15,100	165
170										9.0	166.3	20,700	25.8	202.6	18,600	35.3	218.8	16,400	42.7	228.0	14,300	170
175													20.5	190.6	17,700	31.5	211.1	15,600	39.5	222.2	13,500	175
180													13.2	173.5	16,800	27.3	202.0	14,800	36.2	215.6	12,800	180
185																22.3	190.9	14,100	32.5	208.2	12,200	185
190																15.9	176.0	13,400	28.4	199.5	11,500	190
195																			23.6	189.0	10,900	195
200																			17.7	175.3	10,300	200
205																			8.1	152.5	9,700	205

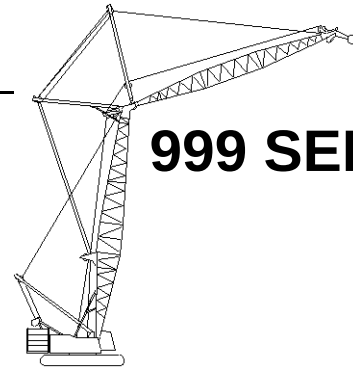


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 150 Ft. Jib

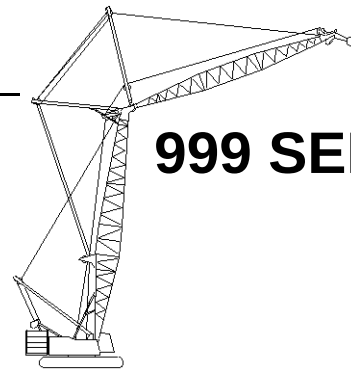
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	68,700													75
80	63.6	281.8	56,900*	65.7	283.8	66,300	68.7	286.1	63,100													80
85	61.4	279.1	53,400*	63.5	281.4	61,200	66.6	284.0	58,300													85
90	59.2	276.2	50,000*	61.4	278.7	56,800	64.5	281.7	54,000	67.6	283.8	51,200										90
95	57.0	273.0	46,800*	59.2	275.8	52,900	62.4	279.1	50,300	65.5	281.5	47,700										95
100	54.6	269.6	43,900*	56.9	272.6	49,400	60.2	276.3	47,000	63.3	279.1	44,500										100
105	52.2	265.8	41,100*	54.6	269.1	46,300	57.9	273.3	44,000	61.2	276.4	41,600										105
110	49.8	261.7	38,600*	52.2	265.4	43,500	55.6	269.9	41,300	59.0	273.5	39,100										110
115	47.2	257.2	36,200*	49.7	261.2	41,000	53.3	266.3	38,900	56.7	270.3	36,800	62.0	274.6	33,300							115
120	44.5	252.2	34,000*	47.1	256.7	38,700	50.8	262.3	36,700	54.4	266.8	34,700	59.8	271.8	31,300							120
125	41.7	246.8	32,000*	44.4	251.8	36,600	48.3	258.0	34,600	51.9	263.0	32,700	57.5	268.7	29,600							125
130	38.7	240.8	30,100*	41.6	246.3	34,600	45.7	253.3	32,800	49.5	258.8	31,000	55.2	265.3	27,900							130
135	35.5	234.0	28,500*	38.6	240.3	32,800	42.9	248.1	31,100	46.9	254.2	29,300	52.9	261.6	26,400							135
140	32.0	226.4	27,100*	35.4	233.5	31,200	40.0	242.3	29,500	44.2	249.2	27,800	50.4	257.6	25,000	56.0	262.5	22,300				140
145	28.2	217.6	25,900*	31.9	225.9	29,700	36.9	235.9	28,000	41.3	243.7	26,400	47.9	253.2	23,700	53.6	258.9	21,100				145
150	23.7	207.1	24,900*	28.0	217.0	28,200	33.6	228.7	26,700	38.3	237.6	25,100	45.2	248.3	22,500	51.2	255.0	20,000				150
155	18.2	193.7	24,200*	23.6	206.5	26,900	29.9	220.4	25,400	35.1	230.8	23,900	42.4	243.0	21,400	48.7	250.7	19,000				155
160	10.2	173.2	23,900*	18.1	193.0	25,600	25.7	210.8	24,200	31.6	223.1	22,700	39.5	237.2	20,400	46.1	246.1	18,000	51.8	251.2	15,700	160
165				9.9	172.2	24,400	20.8	198.8	23,000	27.6	214.1	21,700	36.3	230.6	19,400	43.3	240.9	17,100	49.3	247.0	14,900	165
170							14.2	182.5	22,000	23.1	203.3	20,700	32.9	223.3	18,400	40.4	235.3	16,200	46.7	242.4	14,100	170
175										17.5	189.4	19,700	29.2	214.8	17,600	37.4	228.9	15,400	44.0	237.4	13,400	175
180										8.7	167.0	18,700	24.9	204.8	16,700	34.1	221.9	14,700	41.2	231.8	12,700	180
185													19.8	192.3	15,900	30.4	213.8	14,000	38.1	225.7	12,000	185
190													12.7	174.6	15,100	26.3	204.3	13,300	34.9	218.8	11,400	190
195																21.5	192.8	12,600	31.3	211.0	10,800	195
200																15.3	177.4	12,000	27.4	201.9	10,200	200
205																			22.8	191.0	9,700	205
210																			17.0	176.8	9,200	210
215																			7.8	153.1	8,600	215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	62,600													80
85	63.4	290.4	51,600*	65.3	292.5	60,800	68.2	294.9	57,800													85
90	61.3	287.8	48,500*	63.3	290.0	56,400	66.2	292.7	53,500													90
95	59.3	284.9	45,600*	61.3	287.4	52,500	64.2	290.4	49,800	67.1	292.5	47,100										95
100	57.2	281.7	42,900*	59.2	284.5	49,000	62.2	287.8	46,500	65.1	290.2	44,000										100
105	55.0	278.3	40,300*	57.1	281.3	45,900	60.2	285.0	43,500	63.1	287.8	41,100										105
110	52.8	274.6	37,800*	54.9	277.9	43,100	58.1	282.0	40,800	61.1	285.1	38,600										110
115	50.5	270.5	35,600*	52.7	274.1	40,600	55.9	278.6	38,400	59.0	282.1	36,300										115
120	48.1	266.2	33,600*	50.4	270.1	38,300	53.7	275.1	36,200	56.9	279.0	34,200	61.9	283.3	30,800							120
125	45.6	261.4	31,600*	48.0	265.7	36,200	51.5	271.2	34,200	54.7	275.5	32,200	59.8	280.4	29,000							125
130	43.0	256.2	29,800*	45.5	260.9	34,200	49.1	267.0	32,300	52.5	271.7	30,500	57.7	277.3	27,400							130
135	40.3	250.5	28,100*	43.0	255.7	32,400	46.7	262.4	30,600	50.2	267.7	28,800	55.5	274.0	25,900							135
140	37.4	244.2	26,700*	40.2	250.0	30,800	44.1	257.4	29,100	47.8	263.3	27,300	53.3	270.4	24,500							140
145	34.3	237.1	25,300*	37.3	243.7	29,300	41.5	251.9	27,600	45.3	258.4	25,900	51.0	266.4	23,200	56.2	271.2	20,500				145
150	31.0	229.2	24,200*	34.2	236.6	27,800	38.7	245.8	26,200	42.7	253.2	24,600	48.7	262.1	22,000	54.0	267.7	19,400				150
155	27.2	220.0	23,100*	30.9	228.7	26,500	35.7	239.1	25,000	40.0	247.4	23,400	46.2	257.5	20,900	51.8	263.8	18,400				155
160	22.9	209.1	22,300*	27.1	219.5	25,300	32.5	231.6	23,800	37.1	241.0	22,300	43.7	252.4	19,800	49.4	259.7	17,400				160
165	17.6	195.3	21,800*	22.8	208.5	24,100	28.9	223.0	22,700	33.9	233.9	21,200	41.0	246.8	18,900	47.0	255.1	16,500	52.3	259.9	14,300	165
170	9.8	174.1	21,100*	17.5	194.5	23,000	24.9	213.0	21,600	30.5	225.8	20,200	38.2	240.7	17,900	44.5	250.2	15,700	50.0	255.9	13,500	170
175				9.6	173.0	21,600*	20.1	200.6	20,600	26.7	216.5	19,300	35.1	233.8	17,100	41.9	244.8	14,900	47.6	251.4	12,800	175
180							13.8	183.7	19,600	22.3	205.3	18,400	31.8	226.1	16,300	39.1	238.8	14,200	45.1	246.6	12,100	180
185										16.9	190.9	17,500	28.2	217.3	15,500	36.1	232.2	13,400	42.5	241.3	11,500	185
190										8.4	167.7	16,700	24.1	206.9	14,700	32.9	224.8	12,800	39.8	235.5	10,800	190
195													19.1	194.0	14,000	29.4	216.4	12,100	36.9	229.0	10,300	195
200													12.3	175.7	13,300	25.5	206.6	11,500	33.7	221.8	9,700	200
205																20.8	194.6	10,900	30.3	213.7	9,200	205
210																14.8	178.6	10,300	26.5	204.3	8,700	210
215																			22.0	192.9	8,200	215
220																			16.5	178.2	7,700	220
225																			7.5	153.7	7,200	225

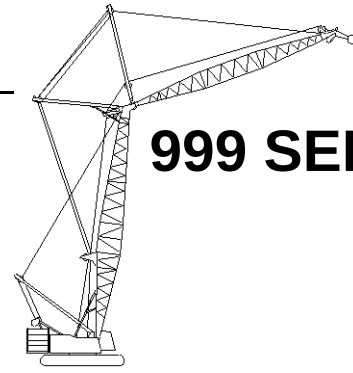


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



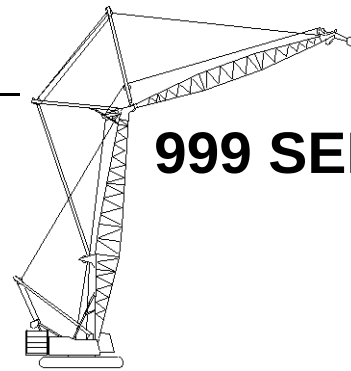
140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	57,400													85
90	63.2	299.1	47,000*	65.0	301.2	55,700*	67.7	303.6	53,200													90
95	61.3	296.4	44,400*	63.1	298.7	52,100	65.9	301.4	49,400													95
100	59.3	293.5	41,900*	61.2	296.0	48,700	64.0	299.1	46,100	66.7	301.2	43,600										100
105	57.3	290.4	39,400*	59.3	293.1	45,600	62.1	296.5	43,100	64.8	298.9	40,700										105
110	55.3	287.0	37,200*	57.3	290.0	42,800	60.2	293.7	40,500	62.9	296.4	38,200										110
115	53.2	283.3	35,000*	55.2	286.6	40,200	58.2	290.6	38,100	61.0	293.7	35,900										115
120	51.1	279.4	33,000*	53.1	282.9	37,900	56.2	287.3	35,900	59.1	290.8	33,800										120
125	48.8	275.1	31,300*	51.0	279.0	35,800	54.1	283.8	33,800	57.1	287.6	31,900	61.8	291.9	28,600							125
130	46.5	270.5	29,500*	48.8	274.7	33,900	52.0	280.0	32,000	55.0	284.2	30,100	59.8	289.1	27,000							130
135	44.2	265.5	27,900*	46.5	270.0	32,100	49.8	275.9	30,300	52.9	280.5	28,500	57.8	286.0	25,500							135
140	41.7	260.0	26,400*	44.1	265.0	30,500	47.5	271.4	28,700	50.8	276.5	27,000	55.8	282.7	24,100							140
145	39.0	254.0	25,000*	41.6	259.5	29,000	45.2	266.6	27,300	48.6	272.2	25,600	53.7	279.1	22,800							145
150	36.2	247.5	23,800*	39.0	253.6	27,500	42.8	261.3	25,900	46.3	267.6	24,300	51.6	275.2	21,600	56.5	279.9	19,000				150
155	33.3	240.1	22,700*	36.2	247.0	26,200	40.2	255.5	24,600	43.9	262.5	23,100	49.4	271.1	20,500	54.4	276.4	18,000				155
160	30.0	231.9	21,700*	33.2	239.6	25,000	37.5	249.2	23,500	41.3	257.0	22,000	47.1	266.5	19,500	52.3	272.6	17,000				160
165	26.4	222.4	20,900*	29.9	231.3	23,800	34.6	242.2	22,300	38.7	250.9	20,900	44.8	261.6	18,500	50.1	268.6	16,100				165
170	22.2	211.1	20,200*	26.3	221.8	22,700	31.4	234.4	21,300	35.9	244.3	19,900	42.3	256.3	17,600	47.9	264.1	15,300	52.8	268.7	13,100	170
175	17.1	196.7	19,700*	22.1	210.4	21,700	28.0	225.5	20,300	32.9	236.8	19,000	39.7	250.4	16,700	45.5	259.4	14,500	50.6	264.7	12,400	175
180	9.5	174.9	18,600*	17.0	196.0	20,700	24.1	215.1	19,400	29.6	228.4	18,100	37.0	244.0	15,900	43.1	254.2	13,800	48.4	260.4	11,700	180
185				9.3	173.8	19,100*	19.5	202.3	18,500	25.9	218.8	17,200	34.0	236.9	15,100	40.6	248.5	13,100	46.1	255.7	11,000	185
190							13.3	184.8	17,600	21.7	207.2	16,400	30.9	228.9	14,400	37.9	242.3	12,400	43.7	250.6	10,400	190
195										16.4	192.3	15,700	27.3	219.8	13,700	35.0	235.4	11,800	41.2	245.1	9,900	195
200										8.1	168.4	14,900	23.3	209.0	13,000	31.9	227.7	11,200	38.5	239.0	9,300	200
205													18.5	195.6	12,400	28.5	218.9	10,600	35.7	232.3	8,800	205
210													11.9	176.7	11,800	24.7	208.8	10,000	32.7	224.8	8,300	210
215																20.2	196.4	9,500	29.4	216.3	7,800	215
220																14.4	179.9	9,000	25.7	206.5	7,300	220
225																			21.4	194.8	6,900	225
230																			16.0	179.6	6,500	230
235																			7.3	154.3	6,000	235

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	52,700													90
95	63.0	307.8	43,200*	64.7	309.9	51,000*	67.3	312.4	49,000													95
100	61.2	305.1	40,900*	63.0	307.4	48,200	65.5	310.1	45,600													100
105	59.4	302.2	38,700*	61.1	304.7	45,100	63.8	307.7	42,700	66.3	310.0	40,200										105
110	57.5	299.1	36,600*	59.3	301.8	42,300	62.0	305.1	40,000	64.6	307.6	37,700										110
115	55.6	295.7	34,600*	57.4	298.7	39,800	60.2	302.3	37,600	62.8	305.1	35,400										115
120	53.6	292.1	32,700*	55.5	295.3	37,500	58.3	299.3	35,400	61.0	302.4	33,300										120
125	51.6	288.2	30,900*	53.5	291.7	35,400	56.4	296.0	33,400	59.1	299.5	31,400										125
130	49.5	284.0	29,300*	51.5	287.8	33,500	54.5	292.5	31,500	57.2	296.3	29,600	61.7	300.6	26,400							130
135	47.4	279.5	27,800*	49.5	283.6	31,700	52.5	288.8	29,800	55.3	292.9	28,000	59.8	297.8	24,900							135
140	45.1	274.7	26,300*	47.3	279.1	30,100	50.4	284.7	28,300	53.4	289.3	26,500	58.0	294.7	23,500							140
145	42.8	269.4	25,000*	45.1	274.2	28,500	48.3	280.4	26,800	51.3	285.4	25,100	56.1	291.4	22,300							145
150	40.4	263.7	23,700*	42.8	269.0	27,100	46.1	275.7	25,500	49.3	281.2	23,800	54.1	287.9	21,100							150
155	37.9	257.5	22,500*	40.4	263.2	25,800	43.8	270.6	24,200	47.1	276.6	22,600	52.1	284.0	20,000	56.7	288.6	17,400				155
160	35.2	250.6	21,500*	37.8	257.0	24,600	41.5	265.1	23,000	44.9	271.7	21,500	50.0	279.9	18,900	54.7	285.1	16,400				160
165	32.3	243.0	20,600*	35.1	250.1	23,400	39.0	259.1	21,900	42.6	266.4	20,400	47.9	275.5	18,000	52.7	281.4	15,600				165
170	29.1	234.5	19,700*	32.2	242.5	22,300	36.4	252.5	20,900	40.1	260.6	19,400	45.7	270.8	17,100	50.7	277.4	14,700				170
175	25.6	224.6	19,000*	29.0	233.9	21,300	33.6	245.3	19,900	37.6	254.3	18,500	43.4	265.6	16,200	48.6	273.1	14,000				175
180	21.6	213.0	18,500*	25.5	224.0	20,300	30.5	237.2	19,000	34.8	247.4	17,600	41.1	260.0	15,400	46.4	268.5	13,200	51.2	273.6	11,100	180
185	16.6	198.2	18,100*	21.5	212.3	19,400	27.2	227.9	18,100	31.9	239.7	16,800	38.5	253.9	14,600	44.2	263.4	12,500	49.1	269.3	10,500	185
190	9.3	175.7	16,200*	16.5	197.4	18,500	23.4	217.1	17,300	28.7	231.0	16,000	35.9	247.3	13,900	41.8	258.0	11,900	47.0	264.8	9,900	190
195				9.0	174.5	16,600*	18.9	203.9	16,500	25.2	221.0	15,300	33.0	239.9	13,200	39.4	252.1	11,200	44.7	259.8	9,300	195
200							13.0	185.9	15,700	21.0	209.0	14,500	30.0	231.6	12,600	36.7	245.6	10,600	42.4	254.5	8,700	200
205										15.9	193.7	13,800	26.6	222.1	12,000	34.0	238.4	10,100	40.0	248.7	8,200	205
210										7.9	169.1	13,200	22.7	211.0	11,400	31.0	230.5	9,500	37.4	242.4	7,700	210
215													18.0	197.2	10,800	27.7	221.4	9,000	34.7	235.4	7,300	215
220													11.6	177.7	10,200	24.0	210.9	8,500	31.7	227.6	6,800	220
225																19.6	198.1	8,000	28.5	218.9	6,400	225
230																13.9	181.1	7,500	24.9	208.7	6,000	230
235																			20.7	196.6	5,600	235
240																			15.5	181.0	5,200	240
245																			7.1	154.9	4,700	245

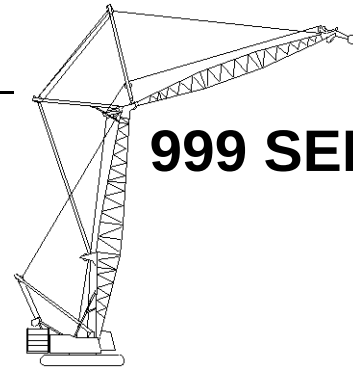


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



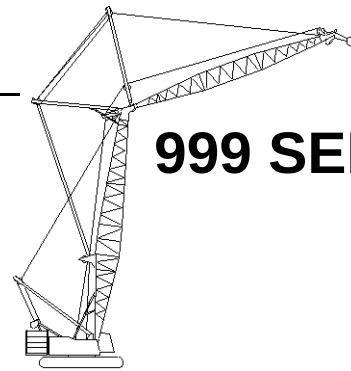
140 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	45,400										100
105	61.1	313.8	37,600*	62.8	316.1	44,700*	65.3	318.8	42,500	67.6	320.9	40,000							105
110	59.4	310.9	35,700*	61.1	313.3	42,100	63.6	316.4	39,800	66.0	318.7	37,400							110
115	57.6	307.7	33,800*	59.3	310.4	39,600	61.9	313.8	37,400	64.3	316.3	35,100							115
120	55.8	304.4	32,100*	57.6	307.3	37,300	60.1	311.0	35,200	62.6	313.8	33,000							120
125	53.9	300.8	30,400*	55.8	304.0	35,200	58.4	308.0	33,200	60.9	311.1	31,100							125
130	52.0	297.0	28,800*	53.9	300.4	33,300	56.6	304.7	31,300	59.2	308.1	29,400							130
135	50.1	292.9	27,300*	52.0	296.6	31,500	54.8	301.3	29,600	57.4	305.0	27,800	61.6	309.3	24,700				135
140	48.1	288.5	25,900*	50.1	292.5	29,900	52.9	297.5	28,100	55.6	301.6	26,300	59.8	306.4	23,300				140
145	46.0	283.8	24,700*	48.0	288.1	28,300	50.9	293.6	26,600	53.7	298.0	24,900	58.1	303.4	22,000				145
150	43.9	278.7	23,500*	46.0	283.4	26,900	49.0	289.3	25,300	51.8	294.2	23,600	56.3	300.1	20,900				150
155	41.6	273.3	22,300*	43.8	278.3	25,600	46.9	284.7	24,000	49.9	290.1	22,400	54.4	296.6	19,800				155
160	39.3	267.3	21,200*	41.6	272.8	24,400	44.8	279.8	22,800	47.8	285.6	21,300	52.5	292.8	18,700	56.8	297.3	16,200	160
165	36.8	260.8	20,300*	39.2	266.8	23,200	42.6	274.5	21,700	45.8	280.9	20,200	50.6	288.8	17,800	55.0	293.9	15,300	165
170	34.2	253.7	19,400*	36.8	260.3	22,100	40.3	268.8	20,700	43.6	275.7	19,200	48.6	284.5	16,900	53.1	290.2	14,500	170
175	31.4	245.8	18,600*	34.1	253.2	21,100	37.9	262.5	19,700	41.4	270.2	18,300	46.6	279.9	16,000	51.2	286.3	13,700	175
180	28.3	237.0	17,900*	31.3	245.3	20,200	35.4	255.7	18,800	39.0	264.2	17,400	44.4	274.9	15,200	49.2	282.0	13,000	180
185	24.9	226.9	17,300*	28.2	236.4	19,200	32.6	248.2	17,900	36.5	257.7	16,600	42.2	269.5	14,400	47.2	277.5	12,300	185
190	21.0	214.8	16,800*	24.8	226.2	18,400	29.7	239.8	17,100	33.9	250.5	15,800	39.9	263.7	13,700	45.1	272.6	11,600	190
195	16.1	199.6	16,600*	20.9	214.1	17,500	26.4	230.3	16,300	31.0	242.5	15,100	37.5	257.3	13,000	42.9	267.4	11,000	195
200	9.0	176.4	14,300*	16.0	198.8	16,800	22.8	219.1	15,600	27.9	233.5	14,400	34.9	250.4	12,400	40.6	261.7	10,400	200
205				8.7	175.3	14,800*	18.4	205.5	14,900	24.5	223.2	13,700	32.1	242.7	11,800	38.3	255.6	9,900	205
210							12.6	187.0	14,200	20.5	210.8	13,000	29.1	234.2	11,200	35.7	248.8	9,300	210
215										15.5	195.0	12,400	25.8	224.4	10,600	33.0	241.4	8,800	215
220										7.7	169.7	11,800	22.0	212.9	10,100	30.1	233.2	8,300	220
225													17.5	198.7	9,500	26.9	223.8	7,900	225
230													11.3	178.6	9,000	23.3	212.9	7,400	230
235																19.1	199.8	7,000	235
240																13.6	182.2	6,500	240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.0	340.9	40,700*																65
70	73.6	339.4	40,500*																70
75	72.1	337.9	39,700*	73.5	339.1	46,100*													75
80	70.5	336.1	39,200*	72.0	337.5	45,800*													80
85	69.0	334.2	38,600*	70.5	335.7	45,600*													85
90	67.5	332.2	38,100*	69.0	333.9	45,300*													90
95	65.9	330.0	37,800*	67.4	331.8	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	42,000										105
110	61.1	322.4	34,600*	62.7	324.7	41,000*	65.0	327.5	39,300	67.3	329.6	36,900							110
115	59.4	319.5	32,900*	61.0	322.0	39,200	63.4	325.1	36,900	65.7	327.4	34,600							115
120	57.7	316.4	31,300*	59.4	319.1	36,900	61.8	322.5	34,700	64.1	325.0	32,500							120
125	56.0	313.1	29,700*	57.7	316.0	34,800	60.1	319.6	32,700	62.5	322.5	30,600							125
130	54.3	309.6	28,300*	56.0	312.7	32,900	58.5	316.6	30,900	60.9	319.7	28,900							130
135	52.5	305.8	26,900*	54.2	309.1	31,100	56.8	313.4	29,200	59.2	316.8	27,300							135
140	50.6	301.8	25,500*	52.4	305.4	29,400	55.0	310.0	27,600	57.5	313.7	25,800	61.5	317.9	22,800				140
145	48.7	297.5	24,300*	50.6	301.3	27,900	53.2	306.3	26,200	55.8	310.3	24,400	59.8	315.1	21,500				145
150	46.8	292.9	23,100*	48.7	297.0	26,500	51.4	302.4	24,800	54.0	306.8	23,100	58.2	312.0	20,300				150
155	44.8	288.0	22,000*	46.7	292.4	25,200	49.6	298.2	23,600	52.2	303.0	21,900	56.5	308.8	19,200				155
160	42.7	282.7	21,000*	44.7	287.5	24,000	47.6	293.8	22,400	50.4	298.9	20,800	54.7	305.3	18,200				160
165	40.5	277.0	20,000*	42.6	282.2	22,800	45.7	289.0	21,300	48.5	294.6	19,800	52.9	301.6	17,200	57.0	306.0	14,800	165
170	38.2	270.8	19,100*	40.5	276.5	21,700	43.6	283.8	20,300	46.6	289.9	18,800	51.1	297.6	16,300	55.3	302.6	14,000	170
175	35.9	264.1	18,300*	38.2	270.3	20,700	41.5	278.3	19,300	44.5	285.0	17,900	49.2	293.4	15,500	53.5	298.9	13,200	175
180	33.3	256.7	17,600*	35.8	263.6	19,800	39.2	272.4	18,400	42.4	279.6	17,000	47.3	288.9	14,700	51.7	295.1	12,500	180
185	30.6	248.6	16,900*	33.2	256.2	18,900	36.9	265.9	17,500	40.3	273.9	16,200	45.3	284.1	13,900	49.8	290.9	11,800	185
190	27.6	239.5	16,300*	30.5	248.0	18,000	34.4	258.8	16,700	38.0	267.7	15,400	43.2	278.9	13,200	47.9	286.5	11,100	190
195	24.3	229.0	15,800*	27.5	238.9	17,200	31.8	251.1	15,900	35.5	260.9	14,600	41.1	273.3	12,600	45.9	281.8	10,500	195
200	20.4	216.6	15,400*	24.2	228.4	16,400	28.9	242.4	15,200	33.0	253.4	13,900	38.8	267.2	11,900	43.9	276.7	9,900	200
205	15.7	200.9	14,800*	20.3	215.9	15,700	25.7	232.6	14,500	30.2	245.2	13,300	36.5	260.7	11,300	41.8	271.2	9,300	205
210	8.8	177.2	12,300*	15.6	200.2	14,900	22.2	221.1	13,800	27.2	235.9	12,600	34.0	253.5	10,700	39.6	265.3	8,800	210
215				8.5	176.0	12,700*	17.9	207.1	13,100	23.8	225.3	12,000	31.3	245.6	10,200	37.2	258.9	8,300	215
220							12.3	188.1	12,500	19.9	212.6	11,400	28.4	236.7	9,600	34.8	252.0	7,800	220
225										15.1	196.3	10,900	25.1	226.6	9,100	32.2	244.3	7,400	225
230										7.5	170.3	10,300	21.5	214.8	8,600	29.3	235.8	6,900	230
235													17.0	200.2	8,100	26.2	226.1	6,500	235
240													11.0	179.6	7,700	22.7	214.9	6,100	240
245																18.6	201.4	5,700	245
250																13.2	183.4	5,300	250

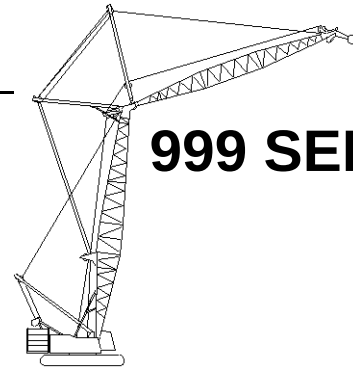


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



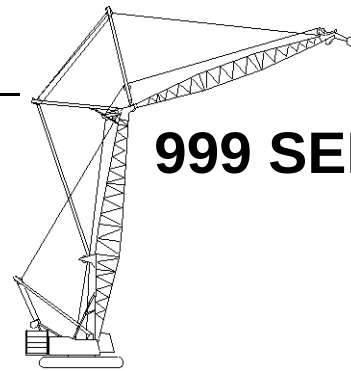
140 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	38,900							110
115	61.0	331.1	31,900*	62.5	333.4	37,700*	64.8	336.2	36,500	66.9	338.3	34,200				115
120	59.4	328.2	30,400*	61.0	330.7	36,200*	63.2	333.8	34,300	65.4	336.1	32,100				120
125	57.8	325.1	29,000*	59.4	327.8	34,400	61.7	331.1	32,300	63.9	333.7	30,200				125
130	56.2	321.8	27,600*	57.8	324.7	32,500	60.1	328.3	30,500	62.4	331.1	28,500				130
135	54.5	318.3	26,300*	56.2	321.4	30,700	58.5	325.3	28,800	60.8	328.4	26,900				135
140	52.8	314.6	25,100*	54.5	317.9	29,100	56.9	322.1	27,200	59.3	325.5	25,400	63.0	329.3	22,400	140
145	51.1	310.6	23,900*	52.8	314.1	27,600	55.3	318.7	25,800	57.6	322.3	24,000	61.4	326.6	21,100	145
150	49.3	306.4	22,800*	51.1	310.2	26,200	53.6	315.1	24,400	56.0	319.0	22,700	59.9	323.7	19,900	150
155	47.5	301.9	21,700*	49.3	306.0	24,900	51.9	311.2	23,200	54.3	315.5	21,500	58.3	320.7	18,800	155
160	45.6	297.1	20,800*	47.4	301.5	23,600	50.1	307.1	22,000	52.6	311.8	20,400	56.6	317.5	17,800	160
165	43.6	292.0	19,800*	45.5	296.7	22,500	48.3	302.7	20,900	50.9	307.8	19,400	55.0	314.0	16,800	165
170	41.6	286.5	19,000*	43.6	291.5	21,400	46.4	298.1	19,900	49.1	303.5	18,400	53.3	310.4	15,900	170
175	39.5	280.6	18,100*	41.6	286.0	20,400	44.5	293.1	18,900	47.3	299.0	17,500	51.6	306.5	15,100	175
180	37.3	274.2	17,300*	39.4	280.1	19,400	42.5	287.8	18,000	45.4	294.2	16,600	49.8	302.3	14,300	180
185	35.0	267.2	16,600*	37.2	273.7	18,500	40.4	282.0	17,200	43.4	289.0	15,800	48.0	297.9	13,500	185
190	32.5	259.6	16,000*	34.9	266.7	17,700	38.3	275.8	16,300	41.4	283.4	15,000	46.1	293.2	12,800	190
195	29.8	251.2	15,400*	32.4	259.1	16,900	36.0	269.2	15,600	39.2	277.5	14,300	44.1	288.1	12,200	195
200	26.9	241.8	14,900*	29.7	250.7	16,100	33.6	261.9	14,800	37.0	271.0	13,600	42.1	282.7	11,500	200
205	23.7	231.1	14,500*	26.8	241.3	15,400	31.0	253.8	14,100	34.7	264.0	12,900	40.0	276.9	10,900	205
210	19.9	218.4	14,200*	23.6	230.5	14,700	28.2	244.9	13,500	32.2	256.3	12,300	37.9	270.7	10,300	210
215	15.3	202.3	12,800*	19.8	217.7	14,000	25.1	234.8	12,800	29.5	247.8	11,700	35.6	263.9	9,800	215
220	8.5	177.9	10,500*	15.2	201.5	13,100*	21.6	223.0	12,200	26.5	238.3	11,100	33.1	256.5	9,300	220
225				8.3	176.7	10,900*	17.5	208.6	11,600	23.2	227.3	10,500	30.5	248.3	8,800	225
230							12.0	189.1	11,000	19.4	214.3	10,000	27.7	239.2	8,300	230
235										14.7	197.6	9,500	24.5	228.8	7,800	235
240										7.3	170.9	9,000	20.9	216.6	7,300	240
245													16.6	201.6	6,900	245
250													10.7	180.5	6,500	250

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 220 Ft. Jib

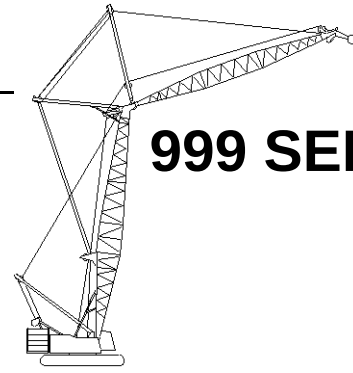
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
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	33,700				115
120	61.0	339.7	29,400*	62.4	342.1	34,700*	64.6	344.9	33,900	66.6	347.1	31,600				120
125	59.5	336.8	28,100*	60.9	339.3	33,400*	63.1	342.4	31,900	65.2	344.8	29,700				125
130	57.9	333.8	26,900*	59.4	336.4	32,100*	61.6	339.8	30,000	63.7	342.4	28,000				130
135	56.4	330.5	25,700*	57.9	333.3	30,300	60.1	337.0	28,300	62.3	339.8	26,400				135
140	54.8	327.0	24,500*	56.3	330.1	28,700	58.6	334.0	26,800	60.8	337.0	24,900				140
145	53.2	323.3	23,400*	54.8	326.6	27,200	57.1	330.8	25,300	59.3	334.1	23,500	62.8	337.9	20,500	145
150	51.5	319.4	22,300*	53.1	322.9	25,800	55.5	327.4	24,000	57.8	331.0	22,300	61.4	335.3	19,400	150
155	49.8	315.3	21,300*	51.5	319.0	24,400	53.9	323.8	22,700	56.2	327.7	21,100	59.9	332.4	18,300	155
160	48.1	310.9	20,400*	49.8	314.9	23,200	52.3	320.0	21,600	54.6	324.2	20,000	58.3	329.4	17,300	160
165	46.3	306.2	19,500*	48.1	310.4	22,100	50.6	316.0	20,500	53.0	320.5	18,900	56.8	326.1	16,300	165
170	44.5	301.2	18,700*	46.3	305.8	21,000	48.9	311.7	19,500	51.3	316.6	17,900	55.2	322.7	15,400	170
175	42.6	295.9	17,900*	44.4	300.8	20,000	47.1	307.1	18,500	49.6	312.4	17,000	53.6	319.1	14,600	175
180	40.6	290.2	17,100*	42.5	295.4	19,000	45.3	302.3	17,600	47.9	308.0	16,200	52.0	315.3	13,800	180
185	38.5	284.1	16,400*	40.6	289.7	18,100	43.4	297.1	16,700	46.1	303.3	15,300	50.3	311.2	13,000	185
190	36.4	277.5	15,800*	38.5	283.6	17,300	41.5	291.6	15,900	44.3	298.2	14,600	48.6	306.8	12,300	190
195	34.1	270.3	15,200*	36.3	277.0	16,500	39.4	285.6	15,100	42.3	292.9	13,800	46.8	302.2	11,700	195
200	31.7	262.5	14,600*	34.1	269.8	15,700	37.3	279.2	14,400	40.4	287.1	13,100	45.0	297.3	11,000	200
205	29.1	253.8	14,100*	31.6	261.9	15,000	35.1	272.3	13,700	38.3	280.9	12,500	43.1	292.1	10,400	205
210	26.3	244.2	13,700*	29.0	253.3	14,300	32.8	264.8	13,100	36.1	274.3	11,800	41.1	286.5	9,900	210
215	23.1	233.1	13,300*	26.2	243.6	13,600	30.2	256.5	12,400	33.8	267.0	11,200	39.1	280.5	9,300	215
220	19.5	220.1	12,400*	23.0	232.5	13,000	27.5	247.3	11,800	31.4	259.1	10,700	36.9	274.0	8,800	220
225	15.0	203.6	10,800*	19.4	219.4	12,300	24.5	236.9	11,200	28.8	250.4	10,100	34.7	267.0	8,300	225
230	8.3	178.6	8,700*	14.8	202.8	11,200*	21.1	224.9	10,700	25.9	240.6	9,600	32.3	259.4	7,800	230
235				8.1	177.4	9,100*	17.1	210.1	10,100	22.7	229.3	9,100	29.8	250.9	7,300	235
240							11.7	190.1	9,600	19.0	215.9	8,600	27.0	241.6	6,900	240
245										14.3	198.8	8,100	23.9	230.9	6,500	245
250										7.1	171.5	7,600	20.4	218.4	6,000	250
255													16.2	203.1	5,600	255
260													10.4	181.4	5,200	260



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

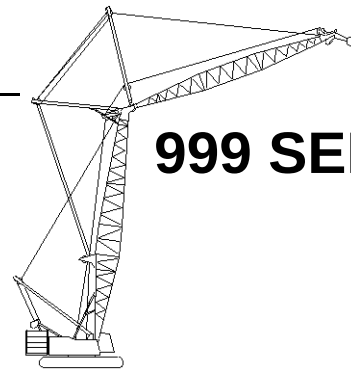
140 Ft. Boom, 230 Ft. Jib

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.	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	
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	33,500	67.7	357.9	31,300	120
125	60.9	348.4	25,800*	62.3	350.7	30,500*	64.4	353.6	31,500	66.3	355.8	29,400	125
130	59.5	345.5	24,700*	60.9	348.0	29,300*	63.0	351.1	29,700	65.0	353.5	27,700	130
135	58.0	342.4	23,600*	59.5	345.1	28,200*	61.6	348.4	28,000	63.6	351.0	26,100	135
140	56.5	339.2	22,600*	58.0	342.0	27,000*	60.1	345.6	26,500	62.2	348.5	24,600	140
145	55.0	335.7	21,600*	56.5	338.8	25,900*	58.7	342.6	25,000	60.8	345.7	23,200	145
150	53.5	332.1	20,700*	55.0	335.3	24,900*	57.2	339.4	23,700	59.3	342.8	21,900	150
155	51.9	328.2	19,800*	53.5	331.7	23,800*	55.7	336.1	22,400	57.9	339.7	20,800	155
160	50.3	324.2	18,900*	51.9	327.8	22,800*	54.2	332.5	21,300	56.4	336.4	19,600	160
165	48.7	319.8	18,100*	50.3	323.7	21,800*	52.6	328.8	20,200	54.8	332.9	18,600	165
170	47.0	315.3	17,300*	48.6	319.4	20,700	51.0	324.8	19,200	53.3	329.3	17,600	170
175	45.2	310.4	16,600*	46.9	314.8	19,700	49.4	320.6	18,200	51.7	325.4	16,700	175
180	43.4	305.2	15,900*	45.2	309.9	18,700	47.7	316.1	17,300	50.1	321.3	15,800	180
185	41.6	299.7	15,200*	43.4	304.8	17,800	46.0	311.4	16,400	48.5	316.9	15,000	185
190	39.7	293.8	14,600*	41.5	299.2	17,000	44.2	306.3	15,600	46.8	312.3	14,300	190
195	37.7	287.5	14,100*	39.6	293.3	16,200	42.4	301.0	14,900	45.0	307.4	13,500	195
200	35.6	280.7	13,600*	37.6	287.0	15,400	40.5	295.3	14,100	43.2	302.2	12,800	200
205	33.3	273.3	13,100*	35.5	280.2	14,700	38.5	289.1	13,400	41.4	296.7	12,200	205
210	31.0	265.3	12,700*	33.3	272.8	14,000	36.5	282.5	12,800	39.4	290.7	11,600	210
215	28.4	256.4	12,300*	30.9	264.7	13,300	34.3	275.4	12,100	37.4	284.3	11,000	215
220	25.7	246.4	12,000*	28.4	255.8	12,700	32.0	267.7	11,500	35.3	277.5	10,400	220
225	22.6	235.1	11,700*	25.6	245.8	12,100	29.6	259.2	11,000	33.1	270.0	9,800	225
230	19.0	221.7	10,600*	22.5	234.5	11,500	26.9	249.7	10,400	30.7	261.9	9,300	230
235	14.6	204.8	9,100*	18.9	221.0	11,000*	24.0	239.1	9,900	28.1	252.9	8,800	235
240	8.1	179.3	7,200*	14.5	204.0	9,500*	20.6	226.7	9,400	25.3	242.8	8,300	240
245				7.9	178.0	7,500*	16.7	211.6	8,900	22.2	231.3	7,900	245
250							11.4	191.1	8,400	18.5	217.5	7,400	250
255										14.0	200.1	7,000	255
260										6.9	172.1	6,500	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.1	379.6	28,700*										75
80	73.9	378.2	28,400*										80
85	72.6	376.7	28,100*	73.9	377.8	32,600*							85
90	71.4	375.0	27,900*	72.6	376.3	32,300*							90
95	70.1	373.2	27,600*	71.3	374.6	32,100*							95
100	68.8	371.3	27,200*	70.1	372.9	31,800*							100
105	67.5	369.3	26,900*	68.8	370.9	31,600*	70.7	372.9	31,200*				105
110	66.2	367.1	26,500*	67.5	368.9	31,300*	69.4	371.0	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	28,900	125
130	60.9	357.1	23,800*	62.2	359.4	28,100*	64.2	362.3	29,300	66.1	364.5	27,200	130
135	59.5	354.2	22,800*	60.9	356.7	27,000*	62.8	359.8	27,600	64.8	362.2	25,600	135
140	58.1	351.1	21,900*	59.5	353.7	26,100*	61.5	357.1	26,000	63.4	359.7	24,100	140
145	56.7	347.9	21,000*	58.1	350.7	25,100*	60.1	354.3	24,600	62.1	357.1	22,700	145
150	55.2	344.4	20,100*	56.7	347.4	24,100*	58.7	351.3	23,200	60.7	354.4	21,500	150
155	53.8	340.8	19,200*	55.2	344.0	23,100*	57.3	348.1	22,000	59.3	351.4	20,300	155
160	52.3	337.0	18,400*	53.7	340.4	22,200*	55.9	344.8	20,800	57.9	348.4	19,200	160
165	50.7	333.0	17,700*	52.2	336.6	21,300*	54.4	341.3	19,700	56.5	345.1	18,100	165
170	49.2	328.8	16,900*	50.7	332.6	20,300	52.9	337.5	18,700	55.1	341.7	17,200	170
175	47.6	324.3	16,200*	49.1	328.3	19,300	51.4	333.6	17,800	53.6	338.0	16,300	175
180	45.9	319.5	15,500*	47.5	323.8	18,300	49.9	329.5	16,900	52.1	334.2	15,400	180
185	44.2	314.5	14,900*	45.9	319.1	17,400	48.3	325.1	16,000	50.6	330.2	14,600	185
190	42.5	309.1	14,300*	44.2	314.0	16,600	46.6	320.5	15,200	49.0	325.9	13,800	190
195	40.7	303.4	13,800*	42.4	308.7	15,800	45.0	315.5	14,400	47.4	321.4	13,100	195
200	38.8	297.3	13,300*	40.6	302.9	15,000	43.2	310.3	13,700	45.7	316.6	12,400	200
205	36.8	290.8	12,800*	38.7	296.9	14,300	41.5	304.8	13,000	44.0	311.5	11,700	205
210	34.8	283.8	12,400*	36.8	290.3	13,600	39.6	298.9	12,400	42.3	306.1	11,100	210
215	32.6	276.2	12,000*	34.7	283.3	12,900	37.7	292.6	11,700	40.4	300.4	10,500	215
220	30.3	268.0	11,600*	32.6	275.7	12,300	35.7	285.8	11,100	38.6	294.2	10,000	220
225	27.8	258.8	11,300*	30.2	267.4	11,700	33.6	278.4	10,600	36.6	287.7	9,400	225
230	25.1	248.7	10,700*	27.8	258.3	11,100	31.3	270.5	10,000	34.5	280.6	8,900	230
235	22.1	237.1	10,100*	25.0	248.1	10,600	28.9	261.7	9,500	32.3	272.9	8,400	235
240	18.6	223.3	8,800*	22.0	236.4	10,100	26.3	252.1	9,000	30.0	264.5	7,900	240
245	14.3	206.1	7,400*	18.5	222.6	9,200*	23.4	241.1	8,500	27.5	255.3	7,500	245
250	8.0	180.0	5,600*	14.2	205.3	7,800*	20.2	228.4	8,000	24.8	245.0	7,000	250
255				7.7	178.7	6,000*	16.3	213.0	7,600	21.7	233.2	6,600	255
260							11.2	192.1	7,100	18.1	219.1	6,200	260
265										13.7	201.2	5,800	265
270										6.8	172.7	5,300	270

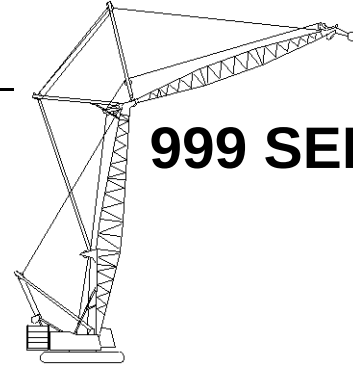


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 70 Ft. Jib

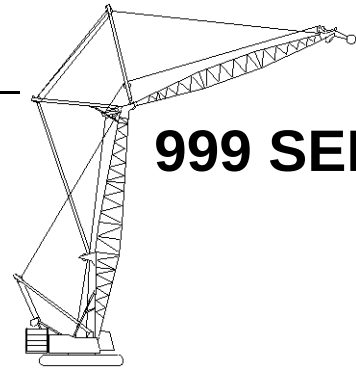
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.9	231.1	107,100*b																			45
50	63.0	228.7	103,200*b	67.1	230.8	111,700*b																50
55	58.8	225.8	98,400*	63.1	228.4	104,700*b	69.3	231.1	105,300b													55
60	54.5	222.4	92,600*	59.0	225.5	98,500*	65.4	229.0	94,100b													60
65	49.9	218.3	84,600*	54.7	222.2	88,900	61.4	226.3	84,800b	67.6	228.9	80,800b										65
70	45.0	213.6	77,100*	50.1	218.2	80,800	57.1	223.3	77,100	63.6	226.6	73,500b										70
75	39.5	207.9	70,900*	45.2	213.5	74,000	52.7	219.6	70,600	59.5	223.7	67,200										75
80	33.4	200.9	65,700*	39.8	207.8	68,100	48.0	215.4	65,000	55.2	220.4	61,900										80
85	25.9	191.8	61,700*	33.7	200.9	63,000	42.9	210.3	60,100	50.6	216.5	57,200	61.7	222.3	52,400b							85
90	15.3	177.8	59,500*	26.3	191.9	58,500	37.2	204.1	55,900	45.8	211.9	53,200	57.6	219.3	48,700							90
95				15.9	178.3	54,500	30.6	196.4	52,100	40.4	206.4	49,600	53.2	215.7	45,400							95
100							22.3	186.0	48,600	34.4	199.6	46,300	48.5	211.5	42,400							100
105							7.5	165.9	45,500	27.2	190.9	43,400	43.4	206.5	39,700	55.3	213.4	36,100				105
110										17.4	178.1	40,700	37.8	200.5	37,300	50.8	209.5	33,900				110
115													31.3	193.0	35,100	45.9	204.9	31,900				115
120													23.3	182.9	33,100	40.6	199.4	30,000	52.6	206.0	27,000	120
125													10.0	165.1	31,200	34.6	192.7	28,300	47.9	201.7	25,400	125
130																27.5	184.1	26,800	42.8	196.6	24,000	130
135																17.8	171.5	25,300	37.1	190.4	22,700	135
140																			30.5	182.7	21,500	140
145																			22.2	172.2	20,300	145
150																			7.0	151.5	19,100	150

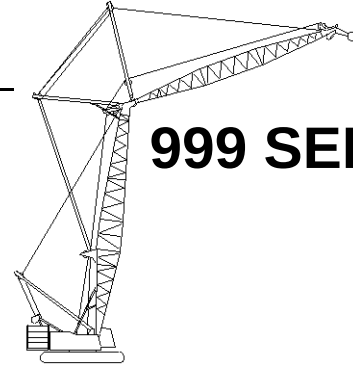


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 90 Ft. Jib

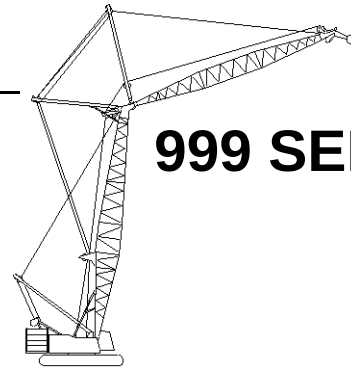
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.8	252.6	91,600*b																			45
50	68.7	250.7	88,600*b	71.9	252.3	104,500*b																50
55	65.6	248.5	85,700*	68.8	250.4	98,600*b																55
60	62.4	246.0	83,100*	65.7	248.3	93,100*	70.6	250.6	93,200b													60
65	59.1	243.1	78,900*	62.5	245.8	88,000*	67.5	248.6	84,000													65
70	55.6	239.8	72,600*	59.2	242.9	80,200	64.3	246.3	76,300													70
75	52.0	236.0	67,000*	55.8	239.6	73,400	61.1	243.7	69,800	66.1	246.4	66,300										75
80	48.3	231.8	61,700*	52.2	235.9	67,500	57.7	240.6	64,300	62.9	243.9	61,000										80
85	44.3	226.9	56,900*	48.5	231.6	62,500	54.2	237.2	59,400	59.6	241.1	56,400										85
90	39.9	221.2	52,800*	44.4	226.7	58,000	50.6	233.2	55,200	56.2	237.8	52,400										90
95	35.1	214.5	49,200*	40.1	221.1	54,100	46.7	228.7	51,400	52.6	234.2	48,800	61.4	239.6	44,400							95
100	29.7	206.4	46,300*	35.4	214.5	50,600	42.6	223.5	48,100	48.9	230.0	45,600	58.1	236.6	41,400							100
105	23.1	196.0	44,000*	29.9	206.4	47,500	38.1	217.5	45,100	44.9	225.2	42,700	54.6	233.2	38,800							105
110	13.6	180.2	42,900*	23.4	196.2	44,600	33.1	210.3	42,400	40.6	219.6	40,200	50.9	229.3	36,500							110
115				14.1	180.8	42,000	27.3	201.4	39,900	35.9	213.1	37,800	47.1	224.8	34,300	56.3	230.8	30,800				115
120							19.9	189.5	37,700	30.6	205.3	35,700	43.0	219.7	32,400	52.7	227.1	29,100				120
125							6.6	167.0	35,500	24.2	195.3	33,700	38.6	213.8	30,600	49.0	223.0	27,400				125
130										15.4	180.9	31,900	33.6	206.7	28,900	45.0	218.2	25,900				130
135													27.9	198.1	27,400	40.8	212.7	24,500	50.5	219.5	21,700	135
140													20.7	186.6	25,900	36.1	206.2	23,200	46.7	215.0	20,500	140
145													8.9	166.6	24,500	30.8	198.4	22,000	42.5	209.8	19,400	145
150																24.4	188.5	20,900	38.0	203.7	18,400	150
155																15.8	174.3	19,800	33.0	196.5	17,500	155
160																			27.2	187.6	16,600	160
165																			19.7	175.7	15,700	165
170																			6.1	152.5	14,800	170

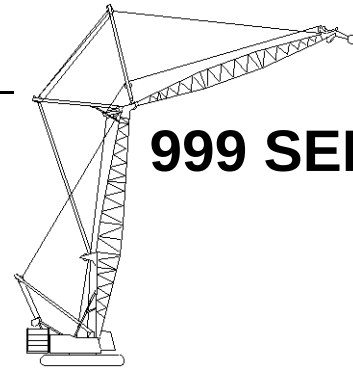


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 110 Ft. Jib

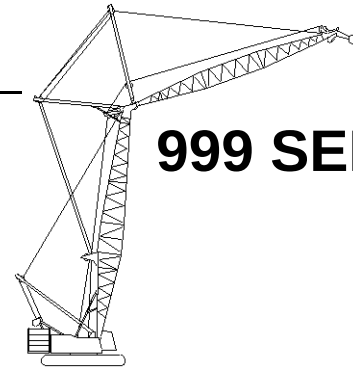
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	83,900													65
70	59.1	251.8	70,400*	62.3	254.4	80,100	66.8	257.4	76,200													70
75	56.0	248.5	65,000*	59.3	251.5	73,300	63.9	255.0	69,700													75
80	52.8	244.8	60,200*	56.2	248.3	67,500	61.0	252.3	64,100	65.5	255.1	60,900										80
85	49.4	240.7	55,800*	53.0	244.7	62,400	57.9	249.3	59,300	62.6	252.6	56,300										85
90	45.9	236.0	51,600*	49.6	240.5	58,000	54.8	245.9	55,100	59.6	249.7	52,200										90
95	42.1	230.7	47,900*	46.0	235.9	54,100	51.5	242.0	51,400	56.5	246.5	48,700										95
100	38.0	224.6	44,700*	42.3	230.6	50,600	48.1	237.7	48,000	53.3	242.9	45,500	61.3	248.3	41,300							100
105	33.4	217.5	42,000*	38.2	224.6	47,400	44.4	232.8	45,000	50.0	238.9	42,600	58.2	245.3	38,700							105
110	28.2	208.9	39,700*	33.6	217.5	44,600	40.5	227.2	42,400	46.4	234.3	40,100	55.1	241.9	36,300							110
115	21.9	197.9	38,000*	28.5	209.0	42,100	36.2	220.7	39,900	42.7	229.1	37,800	51.8	238.1	34,200							115
120	12.9	181.3	37,100*	22.3	198.1	39,700	31.5	213.1	37,700	38.6	223.1	35,600	48.4	233.9	32,200	56.6	239.5	28,900				120
125				13.4	181.9	37,500	25.9	203.7	35,600	34.2	216.2	33,700	44.8	229.0	30,500	53.4	235.9	27,300				125
130							18.9	191.2	33,700	29.1	207.9	31,900	40.9	223.5	28,800	50.1	231.9	25,800				130
135							6.3	167.5	31,900	23.0	197.3	30,200	36.7	217.1	27,300	46.6	227.3	24,400				135
140										14.7	182.1	28,600	32.0	209.6	25,900	42.8	222.1	23,100	51.4	228.4	20,400	140
145													26.5	200.4	24,600	38.8	216.2	21,900	48.0	224.0	19,300	145
150													19.7	188.3	23,300	34.3	209.3	20,800	44.3	219.1	18,300	150
155													8.4	167.3	22,100	29.3	201.0	19,800	40.4	213.5	17,300	155
160																23.2	190.6	18,800	36.2	207.0	16,500	160
165																15.0	175.6	17,800	31.4	199.3	15,600	165
170																			25.8	189.9	14,800	170
175																			18.8	177.3	14,100	175
180																			5.8	153.0	13,300	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	273.5	78,100*																			45
50	72.4	272.0	76,100*																			50
55	69.9	270.2	74,100*	72.5	271.7	91,800*																55
60	67.3	268.2	72,000*	70.0	269.9	87,400*																60
65	64.7	265.9	70,900*	67.4	267.9	83,000*																65
70	62.0	263.3	68,000*	64.8	265.6	78,800*	68.9	268.2	75,700													70
75	59.2	260.4	63,100*	62.1	263.1	72,900	66.3	266.1	69,200													75
80	56.4	257.2	58,500*	59.3	260.2	67,000	63.6	263.7	63,700	67.7	266.0	60,300										80
85	53.4	253.6	54,300*	56.5	257.0	62,000	60.9	261.0	58,800	65.1	263.8	55,700										85
90	50.4	249.6	50,600*	53.6	253.4	57,600	58.1	258.0	54,600	62.4	261.2	51,700										90
95	47.2	245.1	47,100*	50.5	249.4	53,700	55.2	254.6	50,900	59.7	258.4	48,100										95
100	43.8	240.1	43,700*	47.3	245.0	50,200	52.3	250.9	47,600	56.8	255.2	45,000										100
105	40.2	234.4	40,900*	43.9	240.0	47,100	49.1	246.7	44,600	53.9	251.7	42,100	61.2	257.0	38,100							105
110	36.3	227.9	38,400*	40.3	234.3	44,300	45.9	242.0	41,900	50.9	247.7	39,600	58.4	254.0	35,700							110
115	31.9	220.4	36,200*	36.5	227.9	41,700	42.4	236.7	39,500	47.7	243.4	37,300	55.5	250.6	33,600							115
120	27.0	211.3	34,400*	32.1	220.4	39,400	38.7	230.7	37,300	44.3	238.4	35,200	52.5	246.9	31,700							120
125	21.0	199.7	33,100*	27.2	211.4	37,200	34.6	223.9	35,200	40.8	232.9	33,200	49.4	242.8	29,900	56.9	248.2	26,600				125
130	12.3	182.3	32,500*	21.3	200.0	35,300	30.1	215.8	33,400	36.9	226.5	31,500	46.2	238.2	28,300	54.0	244.7	25,200				130
135				12.8	183.0	33,400	24.8	205.9	31,600	32.6	219.1	29,800	42.7	233.0	26,800	51.0	240.7	23,800				135
140							18.1	192.7	30,000	27.8	210.3	28,300	39.1	227.1	25,400	47.8	236.3	22,500				140
145							6.0	167.9	28,400	22.0	199.3	26,900	35.0	220.3	24,100	44.4	231.4	21,400	52.2	237.2	18,700	145
150										14.0	183.3	25,500	30.5	212.3	22,900	40.9	225.9	20,300	49.1	233.0	17,700	150
155													25.3	202.7	21,800	37.0	219.6	19,200	45.8	228.3	16,700	155
160													18.8	189.9	20,700	32.8	212.2	18,300	42.3	223.0	15,900	160
165													8.0	167.9	19,600	28.0	203.5	17,400	38.6	217.0	15,100	165
170																22.2	192.5	16,500	34.6	210.1	14,300	170
175																14.3	176.8	15,600	30.0	202.0	13,500	175
180																			24.7	192.1	12,800	180
185																			17.9	178.9	12,200	185
190																			5.5	153.4	11,500	190

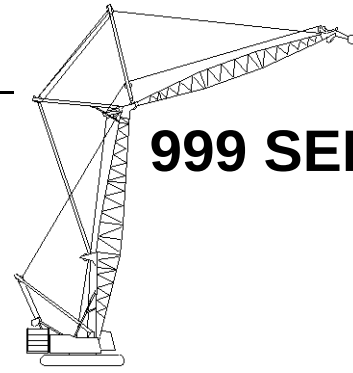


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



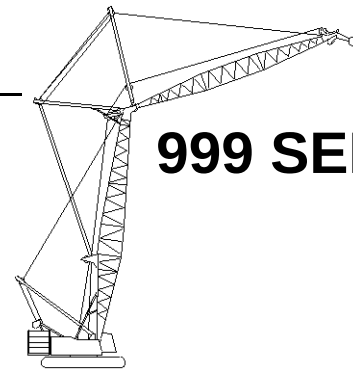
150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	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	75,300													70
75	61.8	272.0	61,500*	64.4	274.3	72,500	68.2	277.0	68,800													75
80	59.3	269.1	57,300*	61.9	271.7	66,700	65.8	274.8	63,300													80
85	56.7	265.9	53,400*	59.4	268.9	61,700	63.3	272.4	58,500	67.1	274.8	55,300										85
90	54.0	262.4	49,700*	56.8	265.7	57,300	60.8	269.6	54,300	64.7	272.5	51,300										90
95	51.2	258.4	46,500*	54.1	262.2	53,300	58.3	266.6	50,500	62.2	269.9	47,700										95
100	48.3	254.1	43,400*	51.3	258.3	49,900	55.6	263.3	47,200	59.7	267.1	44,600										100
105	45.2	249.3	40,500*	48.4	254.0	46,800	52.9	259.6	44,300	57.1	263.9	41,800										105
110	42.0	244.0	37,900*	45.3	249.2	44,000	50.0	255.6	41,600	54.4	260.4	39,200	61.1	265.6	35,300							110
115	38.5	237.9	35,600*	42.1	243.9	41,400	47.1	251.1	39,200	51.6	256.6	36,900	58.5	262.6	33,200							115
120	34.8	231.1	33,600*	38.7	237.9	39,100	44.0	246.1	37,000	48.7	252.3	34,800	55.9	259.3	31,300							120
125	30.6	223.1	31,800*	35.0	231.0	37,000	40.6	240.5	34,900	45.7	247.6	32,900	53.1	255.7	29,500							125
130	25.9	213.6	30,400*	30.8	223.1	35,000	37.1	234.1	33,100	42.5	242.3	31,100	50.3	251.7	27,900	57.2	256.9	24,700				130
135	20.1	201.5	29,300*	26.1	213.7	33,200	33.2	226.9	31,400	39.1	236.4	29,500	47.4	247.2	26,400	54.5	253.4	23,400				135
140	11.8	183.3	28,900*	20.4	201.7	31,500	28.9	218.4	29,800	35.4	229.7	28,000	44.3	242.3	25,000	51.7	249.6	22,100				140
145				12.3	184.1	30,000	23.8	208.0	28,300	31.3	221.9	26,600	41.0	236.7	23,800	48.8	245.3	21,000				145
150							17.3	194.2	26,900	26.7	212.7	25,300	37.4	230.5	22,600	45.8	240.6	19,900	52.8	246.0	17,200	150
155							5.7	168.4	25,500	21.1	201.1	24,000	33.6	223.3	21,400	42.6	235.4	18,900	50.0	241.9	16,300	155
160										13.4	184.5	22,900	29.3	214.9	20,400	39.2	229.5	17,900	47.0	237.4	15,500	160
165													24.3	204.8	19,400	35.5	222.8	17,000	43.9	232.4	14,700	165
170													18.0	191.5	18,500	31.4	215.1	16,200	40.6	226.7	13,900	170
175													7.7	168.6	17,500	26.8	205.9	15,400	37.0	220.4	13,200	175
180																21.3	194.4	14,600	33.1	213.1	12,500	180
185																13.7	178.0	13,800	28.8	204.6	11,800	185
190																			23.7	194.2	11,200	190
195																			17.2	180.4	10,600	195
200																			5.3	153.8	10,000	200

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.0	292.9	65,100*																			50
55	72.9	291.4	64,500*																			55
60	70.7	289.7	62,300*	72.9	291.1	76,700*																60
65	68.5	287.8	60,900*	70.8	289.4	75,400*																65
70	66.3	285.6	60,200*	68.6	287.5	73,800*																70
75	64.0	283.3	58,800*	66.4	285.4	70,100*	69.8	287.7	68,300													75
80	61.7	280.6	55,500*	64.1	283.0	66,300*	67.6	285.7	62,800													80
85	59.3	277.7	51,900*	61.8	280.4	61,200	65.4	283.5	58,000													85
90	56.9	274.6	48,500*	59.4	277.5	56,800	63.1	281.0	53,800	66.6	283.5	50,700										90
95	54.4	271.1	45,400*	57.0	274.4	52,900	60.8	278.3	50,100	64.4	281.1	47,200										95
100	51.8	267.3	42,500*	54.5	270.9	49,500	58.4	275.3	46,800	62.1	278.6	44,100										100
105	49.2	263.1	39,800*	52.0	267.1	46,400	55.9	272.0	43,800	59.7	275.7	41,200										105
110	46.4	258.4	37,300*	49.3	262.9	43,600	53.4	268.4	41,100	57.3	272.6	38,700										110
115	43.5	253.3	35,000*	46.5	258.3	41,000	50.8	264.4	38,700	54.8	269.2	36,400	61.0	274.3	32,600							115
120	40.4	247.7	32,900*	43.6	253.2	38,700	48.1	260.1	36,500	52.2	265.4	34,300	58.6	271.3	30,700							120
125	37.0	241.3	31,000*	40.5	247.6	36,600	45.2	255.3	34,500	49.6	261.2	32,400	56.2	268.0	28,900							125
130	33.5	234.1	29,400*	37.2	241.2	34,700	42.3	249.9	32,700	46.8	256.7	30,700	53.7	264.5	27,300							130
135	29.5	225.7	28,000*	33.6	234.1	32,900	39.1	244.0	31,000	43.9	251.7	29,000	51.1	260.5	25,900	57.4	265.5	22,800				135
140	24.9	215.8	26,900*	29.7	225.8	31,200	35.7	237.3	29,400	40.9	246.1	27,500	48.4	256.2	24,500	54.9	262.1	21,500				140
145	19.4	203.2	26,000*	25.1	215.9	29,700	31.9	229.7	27,900	37.6	239.8	26,100	45.5	251.5	23,200	52.3	258.4	20,400				145
150	11.3	184.3	25,700*	19.6	203.5	28,200	27.8	220.8	26,500	34.0	232.8	24,800	42.6	246.2	22,000	49.7	254.2	19,300				150
155				11.8	185.1	26,800	22.9	210.0	25,300	30.1	224.6	23,600	39.4	240.3	20,900	46.9	249.7	18,300				155
160							16.7	195.7	24,000	25.7	215.0	22,500	36.0	233.7	19,900	44.0	244.7	17,300	50.8	250.8	14,800	160
165							5.5	168.8	22,800	20.3	202.9	21,400	32.3	226.2	18,900	41.0	239.1	16,500	48.0	246.4	14,000	165
170										12.9	185.6	20,400	28.2	217.5	18,000	37.7	232.9	15,600	45.2	241.6	13,300	170
175													23.4	206.9	17,100	34.2	225.9	14,800	42.2	236.2	12,600	175
180													17.4	193.0	16,300	30.3	217.8	14,100	39.0	230.3	11,900	180
185													7.4	169.2	15,500	25.8	208.2	13,400	35.6	223.6	11,300	185
190																20.5	196.2	12,700	31.9	216.0	10,700	190
195																13.2	179.1	12,000	27.7	207.1	10,100	195
200																			22.8	196.2	9,500	200
205																			16.5	181.8	9,000	205
210																			5.1	154.2	8,400	210

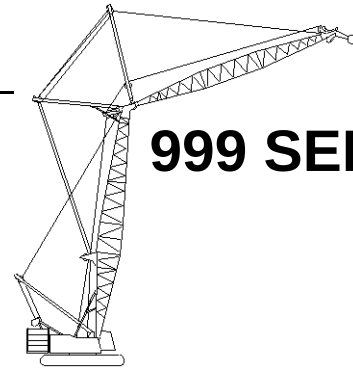


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 150 Ft. Jib

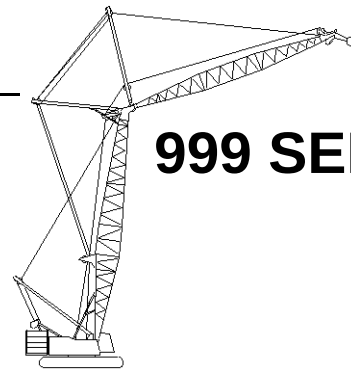
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	62,600												80		
85	61.6	289.3	50,400*	63.8	291.7	60,400*	67.1	294.5	57,800												85		
90	59.4	286.4	47,300*	61.7	289.1	56,700	65.0	292.2	53,600												90		
95	57.1	283.3	44,300*	59.5	286.2	52,800	62.9	289.7	49,900	66.2	292.2	47,000									95		
100	54.8	279.8	41,600*	57.2	283.0	49,300	60.7	287.0	46,600	64.1	289.8	43,900									100		
105	52.4	276.1	39,000*	54.9	279.6	46,200	58.5	284.0	43,600	61.9	287.2	41,100									105		
110	49.9	272.0	36,700*	52.5	275.9	43,400	56.2	280.7	41,000	59.7	284.4	38,500									110		
115	47.4	267.5	34,500*	50.1	271.8	40,900	53.9	277.2	38,500	57.5	281.3	36,200									115		
120	44.7	262.6	32,500*	47.5	267.3	38,600	51.5	273.3	36,400	55.2	277.9	34,100	60.9	282.9	30,500						120		
125	41.9	257.2	30,600*	44.8	262.5	36,500	48.9	269.0	34,300	52.8	274.2	32,200	58.7	280.0	28,800						125		
130	38.9	251.2	28,900*	42.0	257.1	34,500	46.3	264.4	32,500	50.3	270.1	30,500	56.4	276.7	27,200						130		
135	35.7	244.5	27,400*	39.1	251.1	32,700	43.6	259.3	30,800	47.8	265.7	28,900	54.1	273.2	25,700						135		
140	32.3	237.0	26,000*	35.9	244.5	30,900*	40.7	253.7	29,200	45.1	260.9	27,400	51.7	269.4	24,300	57.5	274.2	21,300			140		
145	28.4	228.3	24,900*	32.4	237.0	29,300*	37.7	247.5	27,800	42.3	255.6	26,000	49.2	265.2	23,100	55.2	270.8	20,200			145		
150	24.0	217.9	24,000*	28.6	228.3	27,900*	34.4	240.5	26,400	39.4	249.7	24,700	46.6	260.6	21,900	52.9	267.1	19,100			150		
155	18.7	204.8	23,300*	24.3	218.1	26,700*	30.8	232.5	25,200	36.2	243.1	23,500	43.9	255.5	20,800	50.4	263.1	18,100			155		
160	10.9	185.2	23,100*	18.9	205.1	25,500	26.8	223.2	24,000	32.8	235.7	22,400	41.0	250.0	19,700	47.9	258.7	17,200			160		
165				11.4	186.0	24,300	22.1	211.9	22,800	29.1	227.2	21,300	38.0	243.8	18,800	45.2	253.9	16,300	51.4	259.6	13,900	165	
170							16.1	197.1	21,800	24.8	217.2	20,300	34.7	236.9	17,900	42.4	248.6	15,500	48.9	255.3	13,100	170	
175							5.3	169.2	20,700	19.6	204.6	19,400	31.2	229.0	17,000	39.5	242.7	14,700	46.3	250.7	12,400	175	
180										12.5	186.6	18,400		27.2	219.9	16,200	36.3	236.2	14,000	43.6	245.6	11,700	180
185														22.6	208.8	15,400	32.9	228.8	13,300	40.7	240.0	11,100	185
190														16.8	194.5	14,700	29.2	220.4	12,600	37.6	233.7	10,500	190
195														7.1	169.8	13,900	24.9	210.4	12,000	34.4	226.7	10,000	195
200																	19.8	197.9	11,300	30.8	218.7	9,400	200
205																	12.8	180.2	10,700	26.7	209.4	8,900	205
210																				22.0	198.1	8,400	210
215																				16.0	183.2	7,900	215
220																				4.9	154.6	7,400	220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	57,300													85
90	61.5	298.0	45,800*	63.6	300.4	54,700*	66.7	303.2	53,100													90
95	59.4	295.1	43,200*	61.6	297.7	51,900*	64.7	300.9	49,400	67.8	303.1	46,500										95
100	57.3	291.9	40,600*	59.5	294.9	48,900	62.7	298.4	46,100	65.8	300.9	43,300										100
105	55.1	288.5	38,200*	57.4	291.7	45,800	60.7	295.6	43,100	63.8	298.5	40,500										105
110	52.9	284.8	36,000*	55.2	288.3	43,000	58.6	292.6	40,500	61.8	295.9	38,000										110
115	50.6	280.8	33,900*	53.0	284.7	40,500	56.5	289.4	38,100	59.7	293.0	35,700										115
120	48.2	276.5	32,000*	50.7	280.7	38,200	54.3	285.9	35,900	57.6	289.9	33,600	62.9	294.3	29,900							120
125	45.8	271.7	30,200*	48.4	276.3	36,100	52.0	282.1	33,900	55.5	286.6	31,700	60.9	291.6	28,200							125
130	43.2	266.6	28,500*	45.9	271.6	34,100	49.7	277.9	32,100	53.3	282.9	30,000	58.8	288.6	26,600							130
135	40.5	260.9	26,900*	43.3	266.5	32,300	47.3	273.4	30,400	51.0	279.0	28,400	56.7	285.4	25,100							135
140	37.6	254.6	25,500*	40.6	260.8	30,700*	44.8	268.5	28,800	48.6	274.7	26,900	54.5	281.9	23,800							140
145	34.5	247.7	24,300*	37.8	254.6	29,100*	42.2	263.2	27,300	46.2	270.0	25,500	52.2	278.2	22,500	57.7	282.9	19,600				145
150	31.2	239.8	23,200*	34.7	247.6	27,500*	39.4	257.3	26,000	43.6	264.9	24,200	49.9	274.1	21,300	55.5	279.5	18,500				150
155	27.5	230.7	22,200*	31.4	239.8	26,200*	36.4	250.8	24,700	40.9	259.3	23,000	47.5	269.6	20,300	53.3	275.9	17,500				155
160	23.3	220.0	21,500*	27.7	230.8	25,000*	33.3	243.4	23,600	38.1	253.2	21,900	45.0	264.7	19,200	51.1	272.0	16,600				160
165	18.1	206.4	20,900*	23.5	220.1	24,000*	29.8	235.2	22,400	35.0	246.3	20,900	42.4	259.4	18,300	48.7	267.7	15,700				165
170	10.6	186.1	20,800*	18.3	206.7	22,900	25.9	225.5	21,400	31.7	238.6	19,900	39.7	253.6	17,400	46.2	263.0	14,900	52.0	268.4	12,500	170
175				11.0	187.0	21,800	21.4	213.8	20,400	28.1	229.7	19,000	36.7	247.1	16,500	43.7	257.9	14,100	49.7	264.3	11,800	175
180							15.6	198.4	19,500	24.0	219.3	18,100	33.6	239.9	15,700	41.0	252.4	13,400	47.2	259.8	11,200	180
185							5.1	169.6	18,500	19.0	206.3	17,200	30.1	231.7	15,000	38.2	246.2	12,700	44.7	254.8	10,500	185
190										12.1	187.7	16,400	26.3	222.2	14,200	35.1	239.4	12,100	42.1	249.5	9,900	190
195													21.8	210.8	13,500	31.9	231.7	11,500	39.3	243.6	9,400	195
200													16.2	195.9	12,900	28.2	222.9	10,900	36.4	237.0	8,900	200
205													6.9	170.3	12,200	24.1	212.5	10,300	33.2	229.7	8,400	205
210																19.1	199.6	9,700	29.7	221.4	7,900	210
215																12.3	181.3	9,200	25.8	211.7	7,400	215
220																			21.3	200.0	7,000	220
225																			15.4	184.5	6,500	225
230																			4.7	155.0	6,000	230

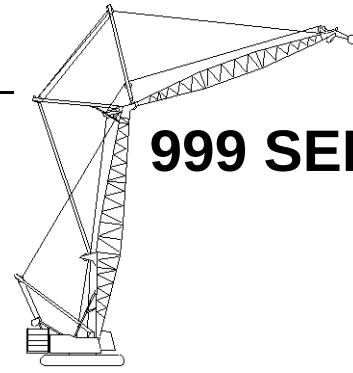


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



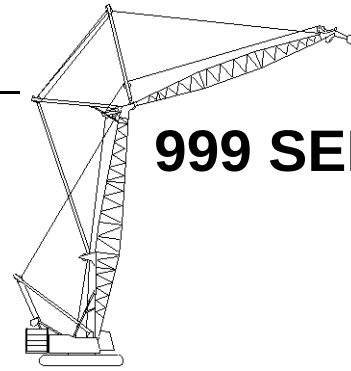
150 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	52,700													90
95	61.4	306.6	42,200*	63.4	309.0	50,300*	66.3	311.9	49,000													95
100	59.5	303.7	39,900*	61.5	306.4	47,900*	64.4	309.6	45,700	67.3	311.8	42,900										100
105	57.5	300.6	37,700*	59.5	303.5	45,400*	62.6	307.0	42,800	65.5	309.6	40,100										105
110	55.4	297.2	35,600*	57.6	300.4	42,600	60.6	304.3	40,100	63.6	307.2	37,600										110
115	53.3	293.6	33,600*	55.5	297.0	40,100	58.7	301.3	37,700	61.7	304.5	35,300										115
120	51.2	289.7	31,700*	53.4	293.4	37,800	56.7	298.1	35,500	59.8	301.7	33,300										120
125	49.0	285.4	30,000*	51.3	289.5	35,700	54.6	294.6	33,500	57.8	298.6	31,400	62.7	303.0	27,800							125
130	46.7	280.8	28,400*	49.1	285.3	33,800	52.5	290.9	31,700	55.8	295.3	29,600	60.8	300.3	26,200							130
135	44.3	275.8	26,800*	46.8	280.7	32,000	50.3	286.8	30,000	53.7	291.7	28,000	58.9	297.3	24,700							135
140	41.8	270.4	25,500*	44.4	275.7	30,400	48.1	282.4	28,400	51.5	287.8	26,500	56.9	294.1	23,400							140
145	39.2	264.5	24,100*	42.0	270.3	28,900	45.8	277.7	27,000	49.3	283.6	25,200	54.8	290.7	22,100							145
150	36.4	257.9	22,900*	39.3	264.4	27,400	43.4	272.5	25,700	47.1	279.1	23,900	52.7	286.9	20,900	57.8	291.6	18,100				150
155	33.5	250.7	21,900*	36.6	257.9	26,100	40.8	266.9	24,400	44.7	274.1	22,700	50.6	282.9	19,900	55.8	288.2	17,100				155
160	30.2	242.5	21,000*	33.6	250.7	24,800*	38.1	260.8	23,200	42.2	268.8	21,600	48.3	278.6	18,800	53.7	284.7	16,200				160
165	26.7	233.1	20,200*	30.4	242.5	23,700*	35.3	253.9	22,100	39.6	262.9	20,500	46.0	273.9	17,900	51.6	280.8	15,300				165
170	22.5	221.9	19,600*	26.8	233.2	22,600	32.2	246.3	21,100	36.9	256.5	19,500	43.6	268.8	17,000	49.4	276.6	14,500				170
175	17.5	207.9	19,100*	22.7	222.1	21,600	28.9	237.7	20,100	34.0	249.4	18,600	41.1	263.2	16,200	47.1	272.1	13,700	52.5	277.2	11,400	175
180	10.3	187.0	19,000*	17.8	208.3	20,600	25.1	227.7	19,200	30.8	241.3	17,700	38.4	257.1	15,400	44.8	267.2	13,000	50.3	273.1	10,700	180
185				10.7	187.9	19,700*	20.7	215.6	18,300	27.2	232.1	16,900	35.6	250.3	14,600	42.3	261.8	12,300	48.1	268.7	10,100	185
190							15.1	199.7	17,500	23.2	221.3	16,100	32.5	242.8	13,900	39.7	256.0	11,700	45.7	264.0	9,500	190
195							4.9	170.0	16,600	18.4	207.9	15,400	29.2	234.3	13,200	37.0	249.6	11,100	43.3	258.8	9,000	195
200										11.7	188.7	14,600	25.5	224.5	12,600	34.0	242.4	10,500	40.8	253.2	8,500	200
205													21.2	212.6	11,900	30.9	234.4	9,900	38.1	247.0	8,000	205
210													15.7	197.2	11,300	27.4	225.3	9,400	35.3	240.2	7,500	210
215													6.7	170.9	10,700	23.4	214.5	8,900	32.2	232.6	7,000	215
220																18.5	201.2	8,400	28.8	224.0	6,600	220
225																12.0	182.3	7,900	25.0	213.9	6,200	225
230																			20.6	201.8	5,800	230
235																			15.0	185.8	5,300	235
240																			4.5	155.3	4,900	240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	331.6	46,200*																60
65	73.4	330.2	45,500*																65
70	71.8	328.6	44,400*	73.5	329.9	52,900*													70
75	70.1	326.8	44,000*	71.9	328.3	52,700*													75
80	68.4	324.8	43,300*	70.2	326.5	52,400*													80
85	66.7	322.7	42,600*	68.5	324.6	52,000*													85
90	64.9	320.4	41,800*	66.7	322.5	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	48,500										95
100	61.3	315.3	38,700*	63.2	317.7	46,000*	66.0	320.6	45,200										100
105	59.5	312.4	36,600*	61.4	315.1	43,900*	64.2	318.3	42,300	66.9	320.6	39,600							105
110	57.6	309.3	34,700*	59.6	312.2	41,800*	62.4	315.7	39,600	65.2	318.3	37,100							110
115	55.7	305.9	32,800*	57.7	309.1	39,700*	60.6	312.9	37,200	63.4	315.9	34,800							115
120	53.7	302.3	31,100*	55.8	305.7	37,400	58.7	310.0	35,100	61.6	313.2	32,700							120
125	51.7	298.5	29,400*	53.8	302.2	35,300	56.9	306.8	33,100	59.8	310.4	30,800							125
130	49.7	294.3	27,800*	51.8	298.3	33,400	54.9	303.3	31,200	57.9	307.3	29,100	62.6	311.7	25,600				130
135	47.5	289.9	26,400*	49.7	294.2	31,600	52.9	299.6	29,500	56.0	304.0	27,500	60.8	308.9	24,200				135
140	45.3	285.0	25,100*	47.6	289.7	30,000	50.9	295.7	28,000	54.0	300.4	26,000	58.9	306.0	22,800				140
145	43.0	279.8	23,800*	45.4	284.9	28,400	48.8	291.4	26,600	52.0	296.6	24,700	57.0	302.8	21,600				145
150	40.6	274.1	22,700*	43.1	279.7	27,000	46.7	286.8	25,200	50.0	292.5	23,400	55.1	299.4	20,400				150
155	38.1	267.9	21,500*	40.7	274.0	25,700	44.4	281.8	24,000	47.9	288.1	22,200	53.1	295.7	19,300	58.0	300.2	16,500	155
160	35.4	261.1	20,500*	38.2	267.9	24,500	42.1	276.4	22,800	45.7	283.3	21,100	51.1	291.8	18,300	56.1	296.9	15,600	160
165	32.5	253.6	19,700*	35.5	261.1	23,300	39.6	270.5	21,700	43.4	278.1	20,100	49.0	287.5	17,400	54.1	293.4	14,700	165
170	29.4	245.1	18,900*	32.6	253.6	22,200	37.0	264.1	20,700	41.0	272.5	19,100	46.9	282.9	16,500	52.1	289.6	13,900	170
175	25.9	235.4	18,200*	29.5	245.2	21,200	34.3	257.0	19,700	38.5	266.4	18,200	44.6	278.0	15,600	50.0	285.5	13,200	175
180	21.9	223.9	17,700*	26.0	235.5	20,300	31.3	249.1	18,800	35.8	259.7	17,300	42.3	272.6	14,800	47.9	281.1	12,400	180
185	17.0	209.4	17,400*	22.1	224.1	19,300	28.0	240.2	17,900	33.0	252.3	16,500	39.9	266.8	14,100	45.7	276.3	11,800	185
190	9.9	187.8	16,600*	17.2	209.8	18,500	24.4	229.9	17,100	29.9	244.0	15,700	37.3	260.5	13,400	43.4	271.2	11,100	190
195				10.4	188.8	17,300*	20.1	217.4	16,300	26.4	234.5	15,000	34.5	253.5	12,700	41.1	265.6	10,500	195
200							14.6	201.0	15,500	22.5	223.3	14,200	31.6	245.6	12,100	38.5	259.5	10,000	200
205							4.8	170.4	14,700	17.8	209.4	13,600	28.4	236.8	11,500	35.9	252.8	9,400	205
210										11.3	189.6	12,900	24.8	226.7	10,900	33.0	245.4	8,900	210
215													20.5	214.4	10,300	30.0	237.1	8,400	215
220													15.2	198.5	9,800	26.6	227.7	7,900	220
225													6.5	171.4	9,200	22.7	216.5	7,400	225
230																18.0	202.8	7,000	230
235																11.6	183.3	6,500	235

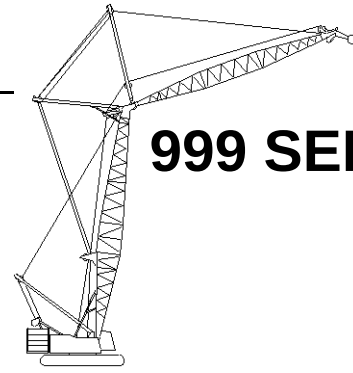


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



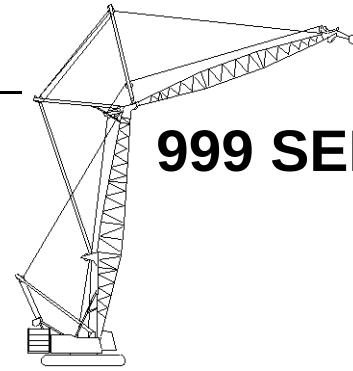
150 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 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	
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	45,000										100
105	61.3	323.9	35,500*	63.0	326.4	42,200*	65.7	329.3	42,100										105
110	59.5	321.1	33,700*	61.3	323.7	40,400*	64.0	326.9	39,400	66.6	329.3	36,900							110
115	57.7	318.0	32,000*	59.6	320.8	38,500*	62.3	324.4	37,000	64.9	327.0	34,600							115
120	55.9	314.6	30,400*	57.8	317.7	36,700*	60.6	321.6	34,800	63.2	324.5	32,500							120
125	54.1	311.1	28,800*	56.0	314.4	34,900*	58.8	318.6	32,800	61.5	321.9	30,600							125
130	52.2	307.3	27,400*	54.2	310.9	33,200*	57.0	315.5	31,000	59.8	319.0	28,900							130
135	50.2	303.2	26,000*	52.3	307.1	31,400	55.2	312.0	29,300	58.0	316.0	27,300	62.5	320.3	23,900				135
140	48.2	298.8	24,600*	50.3	303.0	29,800	53.3	308.4	27,800	56.2	312.7	25,800	60.7	317.6	22,600				140
145	46.2	294.1	23,500*	48.3	298.7	28,200	51.4	304.5	26,300	54.4	309.2	24,400	59.0	314.6	21,300				145
150	44.0	289.1	22,300*	46.3	294.0	26,800	49.5	300.3	25,000	52.5	305.4	23,200	57.2	311.5	20,200				150
155	41.8	283.6	21,300*	44.1	289.0	25,500	47.4	295.8	23,800	50.5	301.4	22,000	55.4	308.1	19,100				155
160	39.5	277.7	20,200*	41.9	283.5	24,300	45.3	291.0	22,600	48.6	297.0	20,900	53.5	304.5	18,100				160
165	37.0	271.3	19,300*	39.6	277.7	23,100	43.2	285.8	21,500	46.5	292.4	19,800	51.6	300.6	17,100	56.3	305.6	14,500	165
170	34.4	264.2	18,500*	37.1	271.2	22,100	40.9	280.2	20,500	44.4	287.4	18,900	49.6	296.4	16,300	54.4	302.1	13,700	170
175	31.6	256.4	17,800*	34.5	264.2	21,000	38.5	274.0	19,500	42.1	282.0	18,000	47.6	292.0	15,400	52.5	298.4	12,900	175
180	28.5	247.6	17,100*	31.7	256.4	20,100	36.0	267.4	18,600	39.8	276.2	17,100	45.5	287.2	14,600	50.6	294.3	12,200	180
185	25.2	237.6	16,600*	28.7	247.7	19,200	33.3	260.0	17,700	37.4	269.8	16,300	43.4	282.0	13,900	48.6	290.0	11,600	185
190	21.3	225.7	16,200*	25.3	237.7	18,300	30.4	251.9	16,900	34.8	262.9	15,500	41.1	276.4	13,200	46.6	285.4	10,900	190
195	16.5	210.8	15,900*	21.5	226.0	17,500	27.3	242.6	16,100	32.0	255.2	14,800	38.7	270.4	12,500	44.4	280.4	10,300	195
200	9.7	188.6	14,700*	16.8	211.2	16,700	23.7	232.0	15,400	29.0	246.6	14,100	36.2	263.7	11,900	42.2	275.0	9,700	200
205				10.1	189.6	15,300*	19.5	219.1	14,700	25.7	236.8	13,400	33.6	256.5	11,300	39.9	269.2	9,200	205
210							14.2	202.2	14,000	21.9	225.2	12,800	30.7	248.4	10,700	37.5	262.9	8,700	210
215							4.6	170.8	13,300	17.4	210.9	12,100	27.6	239.3	10,200	34.9	256.0	8,200	215
220										11.0	190.6	11,500	24.1	228.8	9,600	32.1	248.3	7,700	220
225													20.0	216.2	9,100	29.1	239.7	7,300	225
230													14.8	199.8	8,600	25.8	230.0	6,800	230
235													6.3	171.9	8,100	22.1	218.5	6,400	235
240																17.5	204.3	6,000	240
245																11.3	184.2	5,600	245

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.1	351.0	38,800*													65
70	73.7	349.5	38,400*													70
75	72.2	348.0	37,900*	73.7	349.3	44,000*										75
80	70.6	346.2	37,300*	72.2	347.7	43,700*										80
85	69.1	344.4	36,800*	70.7	346.0	43,500*										85
90	67.6	342.4	36,200*	69.2	344.1	43,300*										90
95	66.0	340.2	35,700*	67.6	342.1	43,000*	70.0	344.3	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	41,600							105
110	61.2	332.6	32,700*	62.9	335.1	38,800*	65.4	338.0	38,900	67.8	340.2	36,300				110
115	59.5	329.7	31,100*	61.3	332.4	37,100*	63.8	335.6	36,600	66.2	338.0	34,100				115
120	57.9	326.6	29,600*	59.6	329.5	35,500*	62.2	333.0	34,400	64.7	335.7	32,000				120
125	56.1	323.3	28,100*	57.9	326.4	33,900*	60.5	330.3	32,400	63.1	333.2	30,100				125
130	54.4	319.8	26,800*	56.2	323.1	32,400*	58.9	327.3	30,600	61.4	330.5	28,400				130
135	52.6	316.1	25,500*	54.5	319.6	30,800*	57.2	324.1	28,900	59.8	327.7	26,800				135
140	50.8	312.1	24,200*	52.7	315.9	29,300	55.5	320.8	27,300	58.1	324.6	25,300	62.3	329.0	22,000	140
145	48.9	307.8	23,000*	50.8	311.9	27,800	53.7	317.1	25,900	56.4	321.4	24,000	60.7	326.2	20,800	145
150	46.9	303.2	21,900*	49.0	307.6	26,400	51.9	313.3	24,600	54.7	317.9	22,700	59.0	323.3	19,600	150
155	44.9	298.3	20,900*	47.0	303.1	25,100	50.0	309.2	23,300	52.9	314.2	21,500	57.3	320.1	18,600	155
160	42.8	293.0	20,000*	45.0	298.2	23,900	48.1	304.8	22,100	51.0	310.2	20,400	55.6	316.8	17,600	160
165	40.7	287.4	19,100*	42.9	292.9	22,700	46.1	300.1	21,100	49.2	306.0	19,400	53.9	313.2	16,600	165
170	38.4	281.2	18,200*	40.8	287.3	21,700	44.1	295.1	20,000	47.2	301.4	18,400	52.1	309.4	15,700	170
175	36.0	274.6	17,400*	38.5	281.2	20,600	42.0	289.6	19,100	45.2	296.6	17,500	50.2	305.3	14,900	175
180	33.5	267.3	16,800*	36.1	274.5	19,700	39.8	283.8	18,200	43.2	291.4	16,600	48.3	300.9	14,100	180
185	30.8	259.2	16,100*	33.6	267.2	18,800	37.5	277.4	17,300	41.0	285.8	15,800	46.3	296.3	13,400	185
190	27.8	250.1	15,600*	30.9	259.2	17,900	35.0	270.5	16,500	38.8	279.7	15,100	44.3	291.3	12,700	190
195	24.5	239.8	15,100*	27.9	250.2	17,100	32.4	262.9	15,700	36.4	273.1	14,300	42.2	285.9	12,000	195
200	20.7	227.5	14,800*	24.7	239.9	16,300	29.6	254.5	15,000	33.9	265.9	13,600	40.0	280.1	11,400	200
205	16.1	212.2	14,500*	20.9	227.8	15,600	26.5	245.0	14,300	31.2	258.0	13,000	37.7	273.8	10,800	205
210	9.4	189.4	12,600*	16.3	212.6	14,900	23.1	234.0	13,600	28.3	249.1	12,300	35.3	266.9	10,200	210
215				9.8	190.5	13,200*	19.0	220.8	13,000	25.0	239.0	11,700	32.7	259.4	9,700	215
220							13.9	203.4	12,300	21.4	227.1	11,200	29.9	251.1	9,200	220
225							4.5	171.1	11,700	16.9	212.4	10,600	26.9	241.7	8,700	225
230										10.7	191.5	10,000	23.4	230.8	8,200	230
235													19.5	217.9	7,700	235
240													14.4	201.1	7,300	240
245													6.1	172.4	6,800	245

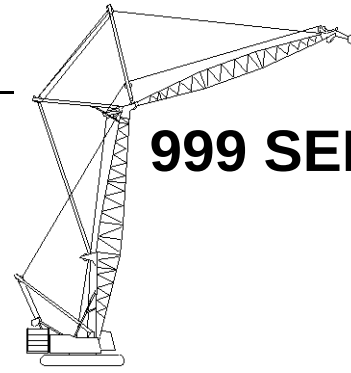


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



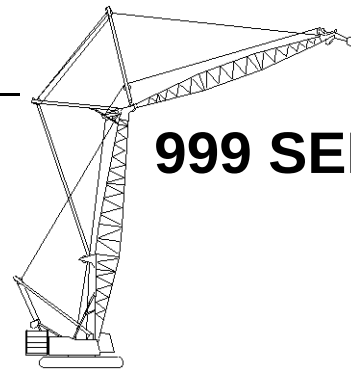
150 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	36,200	67.4	348.9	33,700				115
120	59.6	338.4	28,800*	61.2	341.0	34,300*	63.6	344.3	34,000	66.0	346.7	31,600				120
125	58.0	335.3	27,400*	59.6	338.2	32,900*	62.1	341.7	32,000	64.5	344.4	29,700				125
130	56.3	332.0	26,200*	58.0	335.1	31,500*	60.5	338.9	30,200	62.9	341.9	28,000				130
135	54.7	328.5	24,900*	56.4	331.8	30,100*	58.9	336.0	28,500	61.4	339.2	26,400				135
140	53.0	324.8	23,800*	54.7	328.4	28,700*	57.3	332.8	27,000	59.8	336.3	24,900				140
145	51.2	320.9	22,700*	53.0	324.7	27,500*	55.7	329.5	25,500	58.2	333.3	23,600	62.2	337.7	20,400	145
150	49.4	316.7	21,600*	51.3	320.7	26,100	54.0	325.9	24,200	56.6	330.1	22,300	60.7	334.9	19,200	150
155	47.6	312.2	20,600*	49.5	316.5	24,800	52.3	322.1	22,900	54.9	326.6	21,100	59.1	332.0	18,100	155
160	45.7	307.5	19,700*	47.7	312.1	23,500	50.5	318.1	21,800	53.2	322.9	20,000	57.5	328.8	17,100	160
165	43.8	302.3	18,800*	45.8	307.3	22,400	48.7	313.7	20,700	51.5	319.0	19,000	55.8	325.5	16,200	165
170	41.8	296.9	18,000*	43.9	302.2	21,300	46.9	309.2	19,700	49.7	314.9	18,000	54.2	321.9	15,300	170
175	39.6	291.0	17,200*	41.8	296.8	20,300	45.0	304.3	18,700	47.9	310.4	17,100	52.5	318.2	14,500	175
180	37.4	284.6	16,500*	39.7	290.9	19,300	43.0	299.0	17,800	46.0	305.7	16,300	50.7	314.2	13,700	180
185	35.1	277.7	15,800*	37.5	284.6	18,400	40.9	293.4	16,900	44.1	300.7	15,500	48.9	309.9	13,000	185
190	32.6	270.2	15,200*	35.2	277.7	17,600	38.8	287.3	16,100	42.1	295.3	14,700	47.1	305.3	12,300	190
195	30.0	261.9	14,700*	32.8	270.2	16,800	36.5	280.8	15,400	40.0	289.4	14,000	45.2	300.4	11,600	195
200	27.1	252.5	14,300*	30.1	261.9	16,000	34.2	273.6	14,600	37.8	283.2	13,300	43.2	295.2	11,000	200
205	23.9	241.9	13,900*	27.2	252.6	15,300	31.6	265.8	13,900	35.5	276.3	12,600	41.1	289.6	10,400	205
210	20.2	229.3	13,500*	24.1	242.0	14,600	28.9	257.1	13,300	33.0	268.9	12,000	39.0	283.6	9,900	210
215	15.7	213.6	13,000*	20.4	229.6	13,900	25.9	247.3	12,700	30.4	260.7	11,400	36.8	277.1	9,300	215
220	9.2	190.2	10,800*	15.9	214.0	13,300	22.5	236.0	12,000	27.6	251.6	10,800	34.4	270.0	8,800	220
225				9.6	191.3	11,300*	18.6	222.4	11,500	24.4	241.1	10,300	31.9	262.3	8,300	225
230							13.5	204.6	10,900	20.8	228.9	9,700	29.2	253.7	7,800	230
235							4.4	171.5	10,300	16.5	213.8	9,200	26.2	244.0	7,400	235
240										10.5	192.4	8,700	22.9	232.9	6,900	240
245													19.0	219.5	6,500	245
250													14.1	202.3	6,100	250
255													5.9	172.9	5,600	255

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	33,500	67.1	357.7	31,100	120
125	59.6	347.0	26,600*	61.1	349.7	31,600*	63.5	353.0	31,500	65.7	355.4	29,200	125
130	58.0	344.0	25,400*	59.6	346.8	30,400*	62.0	350.4	29,700	64.3	353.1	27,500	130
135	56.5	340.7	24,300*	58.1	343.8	29,200*	60.5	347.6	28,000	62.8	350.6	25,900	135
140	54.9	337.3	23,200*	56.6	340.5	28,000*	59.0	344.6	26,500	61.3	347.9	24,400	140
145	53.3	333.6	22,200*	55.0	337.1	26,800*	57.4	341.5	25,100	59.8	345.0	23,100	145
150	51.6	329.7	21,200*	53.4	333.4	25,600*	55.9	338.2	23,700	58.3	342.0	21,800	150
155	50.0	325.6	20,200*	51.7	329.5	24,300	54.3	334.6	22,500	56.7	338.7	20,600	155
160	48.2	321.2	19,300*	50.0	325.4	23,100	52.7	330.9	21,300	55.2	335.3	19,500	160
165	46.4	316.5	18,500*	48.3	321.1	22,000	51.0	326.9	20,200	53.6	331.7	18,500	165
170	44.6	311.6	17,700*	46.5	316.4	20,900	49.3	322.7	19,200	51.9	327.8	17,600	170
175	42.7	306.3	17,000*	44.7	311.5	19,900	47.5	318.2	18,300	50.2	323.7	16,600	175
180	40.7	300.6	16,300*	42.8	306.2	18,900	45.7	313.4	17,400	48.5	319.4	15,800	180
185	38.7	294.5	15,600*	40.8	300.5	18,000	43.9	308.3	16,500	46.7	314.8	15,000	185
190	36.5	287.9	15,000*	38.8	294.4	17,200	41.9	302.9	15,700	44.9	309.9	14,200	190
195	34.3	280.8	14,400*	36.6	287.9	16,400	39.9	297.0	14,900	43.0	304.6	13,500	195
200	31.9	273.0	13,900*	34.4	280.8	15,600	37.9	290.8	14,200	41.1	299.0	12,800	200
205	29.3	264.5	13,400*	32.0	273.1	14,900	35.7	284.0	13,500	39.0	293.0	12,200	205
210	26.5	254.9	13,000*	29.4	264.5	14,200	33.3	276.6	12,900	36.9	286.5	11,500	210
215	23.3	243.9	12,700*	26.6	255.0	13,500	30.9	268.5	12,200	34.6	279.5	11,000	215
220	19.7	231.0	12,300*	23.5	244.1	12,900	28.2	259.6	11,600	32.3	271.8	10,400	220
225	15.3	214.9	11,000*	19.9	231.3	12,300	25.3	249.5	11,100	29.7	263.4	9,800	225
230	9.0	191.0	9,000*	15.6	215.4	11,500*	22.0	237.9	10,500	26.9	254.0	9,300	230
235				9.3	192.1	9,500*	18.1	224.0	10,000	23.8	243.3	8,800	235
240							13.2	205.7	9,500	20.3	230.7	8,300	240
245							4.3	171.8	8,800*	16.1	215.2	7,900	245
250										10.2	193.3	7,400	250

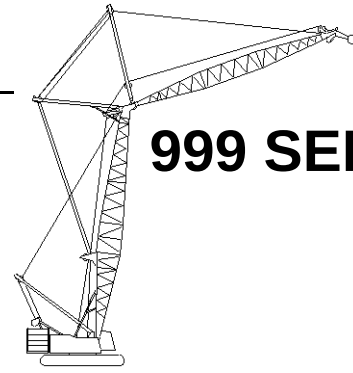


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



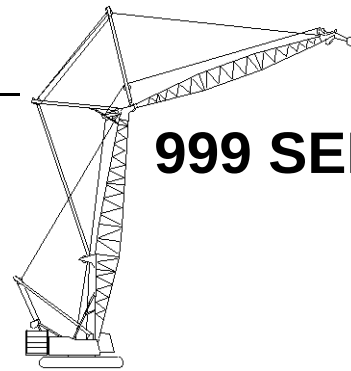
150 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.8	380.7	30,200*										70
75	74.5	379.3	30,000*										75
80	73.3	377.9	29,600*										80
85	71.9	376.3	29,200*	73.3	377.6	34,300*							85
90	70.6	374.5	28,800*	72.0	376.0	34,000*							90
95	69.3	372.7	28,400*	70.7	374.3	33,800*							95
100	68.0	370.7	28,000*	69.4	372.4	33,500*							100
105	66.6	368.6	27,600*	68.0	370.4	33,300*	70.1	372.6	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	31,200	66.8	366.4	28,900	125
130	59.6	355.7	23,300*	61.1	358.4	27,800*	63.3	361.7	29,400	65.4	364.2	27,200	130
135	58.1	352.6	22,300*	59.7	355.5	26,700*	61.9	359.0	27,700	64.1	361.8	25,600	135
140	56.7	349.4	21,400*	58.2	352.4	25,600*	60.5	356.2	26,200	62.7	359.2	24,100	140
145	55.1	346.0	20,400*	56.7	349.2	24,600*	59.0	353.3	24,700	61.3	356.5	22,800	145
150	53.6	342.3	19,500*	55.2	345.8	23,600*	57.6	350.2	23,400	59.8	353.7	21,500	150
155	52.0	338.5	18,700*	53.7	342.2	22,600*	56.1	346.9	22,200	58.4	350.6	20,300	155
160	50.4	334.4	17,900*	52.1	338.3	21,600*	54.5	343.3	21,000	56.9	347.4	19,200	160
165	48.8	330.1	17,100*	50.5	334.3	20,700*	53.0	339.6	19,900	55.4	344.0	18,200	165
170	47.1	325.6	16,400*	48.9	330.0	19,800*	51.4	335.7	18,900	53.8	340.4	17,200	170
175	45.4	320.7	15,700*	47.2	325.4	19,000*	49.8	331.6	18,000	52.3	336.6	16,300	175
180	43.6	315.6	15,000*	45.4	320.6	18,200*	48.1	327.2	17,100	50.7	332.6	15,500	180
185	41.7	310.1	14,400*	43.7	315.5	17,400*	46.4	322.5	16,200	49.0	328.3	14,700	185
190	39.8	304.2	13,900*	41.8	310.0	16,700*	44.7	317.5	15,400	47.4	323.8	13,900	190
195	37.8	297.9	13,300*	39.9	304.2	16,100*	42.9	312.2	14,600	45.6	319.0	13,200	195
200	35.7	291.2	12,900*	37.9	297.9	15,300	41.0	306.6	13,900	43.9	313.9	12,500	200
205	33.5	283.8	12,400*	35.8	291.1	14,600	39.0	300.6	13,200	42.0	308.5	11,900	205
210	31.1	275.8	12,000*	33.6	283.8	13,900	37.0	294.1	12,600	40.1	302.7	11,300	210
215	28.6	267.0	11,700*	31.3	275.9	13,300	34.9	287.1	12,000	38.1	296.5	10,700	215
220	25.9	257.2	11,400*	28.7	267.1	12,600	32.6	279.5	11,400	36.0	289.8	10,100	220
225	22.8	246.0	11,100*	26.0	257.3	12,000	30.2	271.2	10,800	33.8	282.5	9,600	225
230	19.3	232.7	10,800*	23.0	246.1	11,500	27.6	262.1	10,300	31.5	274.6	9,100	230
235	15.0	216.2	9,300*	19.5	233.0	10,900	24.7	251.7	9,700	29.0	266.0	8,600	235
240	8.8	191.7	7,400*	15.2	216.7	9,800*	21.5	239.8	9,200	26.3	256.3	8,100	240
245				9.1	192.8	7,900*	17.7	225.5	8,700	23.3	245.3	7,600	245
250							12.9	206.8	8,300	19.9	232.5	7,200	250
255							4.2	172.2	7,200*	15.7	216.6	6,700	255
260										10.0	194.1	6,300	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.2	389.7	27,500*										75
80	74.0	388.3	27,200*										80
85	72.7	386.8	27,000*	74.0	388.0	31,300*							85
90	71.5	385.1	26,600*	72.8	386.5	31,100*							90
95	70.2	383.4	26,300*	71.5	384.8	30,900*							95
100	68.9	381.5	25,900*	70.3	383.1	30,600*							100
105	67.6	379.4	25,600*	69.0	381.2	30,400*	71.0	383.2	30,000*				105
110	66.3	377.3	25,300*	67.7	379.2	30,200*	69.7	381.4	29,900*				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	28,400	125
130	61.0	367.2	22,500*	62.4	369.7	26,600*	64.5	372.8	28,900	66.5	375.1	26,700	130
135	59.6	364.4	21,500*	61.1	367.0	25,600*	63.2	370.3	27,300	65.2	372.9	25,100	135
140	58.2	361.3	20,700*	59.7	364.1	24,700*	61.8	367.7	25,700	63.9	370.4	23,600	140
145	56.8	358.1	19,800*	58.3	361.1	23,700*	60.5	364.9	24,300	62.6	367.9	22,300	145
150	55.4	354.7	19,000*	56.9	357.9	22,800*	59.1	362.0	23,000	61.2	365.2	21,000	150
155	53.9	351.1	18,200*	55.4	354.5	21,900*	57.7	358.8	21,700	59.8	362.3	19,800	155
160	52.4	347.3	17,400*	53.9	350.9	21,000*	56.2	355.5	20,600	58.4	359.3	18,800	160
165	50.9	343.3	16,700*	52.5	347.1	20,200*	54.8	352.1	19,500	57.0	356.1	17,700	165
170	49.3	339.1	16,000*	50.9	343.1	19,400*	53.3	348.4	18,500	55.6	352.7	16,800	170
175	47.7	334.6	15,300*	49.4	338.9	18,600*	51.8	344.5	17,500	54.1	349.2	15,900	175
180	46.0	329.9	14,700*	47.8	334.4	17,800*	50.2	340.4	16,600	52.6	345.4	15,000	180
185	44.4	324.8	14,100*	46.1	329.7	17,100*	48.7	336.1	15,800	51.1	341.4	14,200	185
190	42.6	319.5	13,500*	44.4	324.7	16,400*	47.0	331.5	15,000	49.5	337.2	13,500	190
195	40.8	313.8	13,000*	42.7	319.4	15,700	45.4	326.7	14,200	47.9	332.8	12,700	195
200	38.9	307.8	12,500*	40.9	313.7	14,900	43.7	321.6	13,500	46.3	328.1	12,100	200
205	37.0	301.3	12,100*	39.0	307.7	14,200	41.9	316.1	12,800	44.6	323.1	11,400	205
210	34.9	294.3	11,700*	37.1	301.2	13,500	40.1	310.3	12,200	42.9	317.9	10,800	210
215	32.8	286.8	11,300*	35.0	294.3	12,900	38.2	304.1	11,500	41.1	312.2	10,200	215
220	30.5	278.6	11,000*	32.9	286.8	12,200	36.2	297.4	10,900	39.2	306.3	9,700	220
225	28.0	269.5	10,600*	30.6	278.6	11,600	34.1	290.2	10,400	37.3	299.8	9,100	225
230	25.3	259.4	10,300*	28.1	269.6	11,100	31.9	282.4	9,800	35.3	292.9	8,600	230
235	22.3	247.9	9,600*	25.4	259.5	10,500	29.5	273.9	9,300	33.1	285.5	8,100	235
240	18.9	234.4	9,000*	22.5	248.1	10,000	27.0	264.5	8,800	30.8	277.4	7,700	240
245	14.7	217.5	7,600*	19.0	234.7	9,400*	24.2	253.9	8,300	28.4	268.5	7,200	245
250	8.6	192.4	5,900*	14.9	218.0	8,100*	21.0	241.7	7,900	25.7	258.6	6,800	250
255				8.9	193.6	6,300*	17.3	227.0	7,400	22.8	247.3	6,300	255
260							12.6	207.9	7,000	19.4	234.2	5,900	260
265							4.1	172.5	5,700*	15.4	217.9	5,500	265
270										9.8	194.9	5,100	270

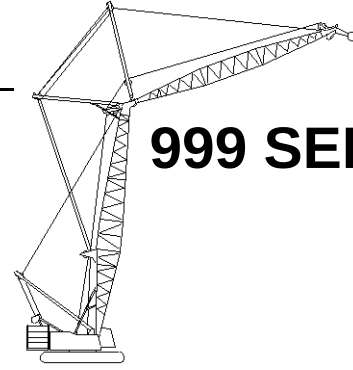


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 70 Ft. Jib

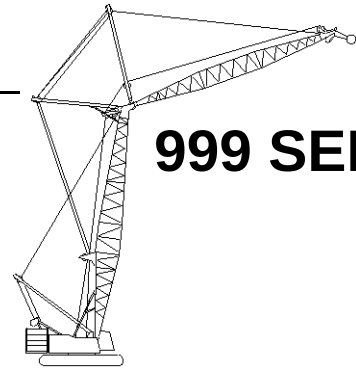
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.2	241.2	100,500*b																			45
50	63.2	238.8	95,700*b	67.7	241.1	110,400*b																50
55	59.1	236.0	92,500*	63.7	238.8	104,000*b																55
60	54.8	232.6	88,400*	59.6	236.0	98,100*	66.4	239.5	93,400b													60
65	50.2	228.6	81,200*	55.3	232.6	88,600	62.4	237.0	84,200b													65
70	45.3	224.0	74,300*	50.8	228.8	80,600	58.2	234.0	76,600	65.0	237.3	72,600b										70
75	39.9	218.3	68,600*	45.9	224.2	73,800	53.8	230.5	70,100	60.9	234.6	66,500b										75
80	33.8	211.5	63,700*	40.6	218.7	67,900	49.2	226.4	64,500	56.7	231.5	61,200										80
85	26.5	202.5	60,000*	34.6	212.0	62,800	44.2	221.5	59,700	52.2	227.8	56,600										85
90	16.2	189.1	57,800*	27.4	203.3	58,300	38.7	215.7	55,500	47.5	223.4	52,500	59.8	230.6	47,700							90
95				17.7	190.7	54,300	32.4	208.4	51,700	42.3	218.3	49,000	55.5	227.3	44,400							95
100							24.6	198.8	48,300	36.6	212.0	45,800	50.9	223.4	41,500							100
105							12.9	183.3	45,200	29.9	204.1	42,900	46.1	218.9	38,900							105
110										21.3	193.2	40,300	40.8	213.4	36,500	53.9	221.6	32,800				110
115										1.8	166.6	37,700	34.8	206.7	34,400	49.3	217.5	30,800				115
120													27.7	198.2	32,400	44.3	212.7	29,000				120
125													18.2	185.8	30,600	38.8	206.8	27,400	51.9	214.4	24,200	125
130																32.5	199.6	25,900	47.2	210.0	22,900	130
135																24.8	190.1	24,500	42.0	204.8	21,600	135
140																13.3	174.8	23,100	36.2	198.4	20,500	140
145																			29.4	190.3	19,400	145
150																			20.6	179.1	18,300	150

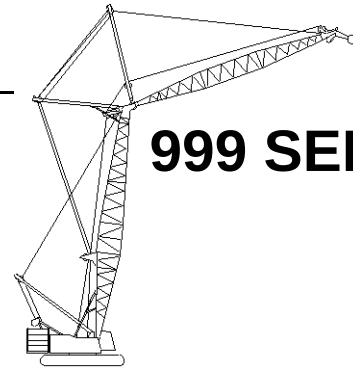


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 90 Ft. Jib

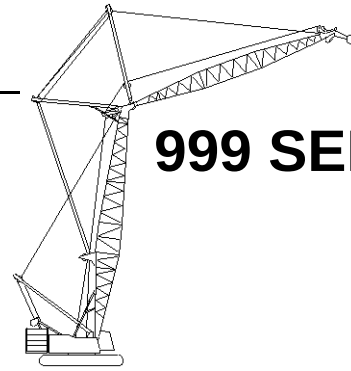
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.0	262.7	85,400*b																			45
50	68.9	260.8	82,500*b	72.3	262.5	102,700*b																50
55	65.8	258.7	80,800*	69.3	260.7	97,400*b																55
60	62.6	256.2	77,400*	66.2	258.6	92,300*																60
65	59.3	253.3	75,200*	63.0	256.1	87,500*	68.2	259.1	83,400b													65
70	55.9	250.0	69,700*	59.7	253.3	79,900	65.1	256.8	75,800													70
75	52.3	246.3	64,400*	56.3	250.1	73,100	61.9	254.3	69,300	67.2	257.0	65,500										75
80	48.5	242.1	59,600*	52.7	246.4	67,300	58.6	251.3	63,800	64.0	254.6	60,200										80
85	44.6	237.2	55,200*	49.0	242.2	62,300	55.1	248.0	59,000	60.7	251.9	55,700										85
90	40.2	231.6	51,200*	45.0	237.4	57,800	51.5	244.1	54,800	57.4	248.9	51,700										90
95	35.5	225.0	47,900*	40.8	231.9	53,900	47.7	239.8	51,000	53.9	245.3	48,200										95
100	30.1	217.0	45,100*	36.1	225.4	50,400	43.6	234.8	47,700	50.2	241.3	45,000	59.8	247.9	40,500							100
105	23.6	206.8	43,000*	30.8	217.6	47,300	39.2	228.9	44,800	46.3	236.8	42,200	56.4	244.7	38,000							105
110	14.4	191.6	41,800*	24.4	207.8	44,500	34.4	222.1	42,100	42.2	231.5	39,600	52.9	241.0	35,600							110
115				15.8	193.5	41,800	28.8	213.7	39,600	37.6	225.3	37,300	49.1	236.9	33,500							115
120							21.9	202.8	37,400	32.5	218.0	35,200	45.2	232.1	31,600	55.2	239.1	28,000				120
125							11.4	185.3	35,200	26.6	208.9	33,300	40.9	226.6	29,900	51.6	235.3	26,400				125
130										18.9	196.6	31,500	36.2	220.2	28,200	47.8	230.9	25,000				130
135													31.0	212.5	26,700	43.7	225.9	23,600				135
140													24.7	202.7	25,300	39.3	220.1	22,400	49.9	227.9	19,500	140
145													16.1	188.7	24,000	34.5	213.3	21,200	46.0	223.3	18,400	145
150																28.9	204.9	20,100	41.9	218.0	17,400	150
155																22.1	194.1	19,100	37.3	211.8	16,500	155
160																11.8	176.9	18,000	32.2	204.3	15,700	160
165																			26.1	195.1	14,800	165
170																			18.3	182.4	14,000	170

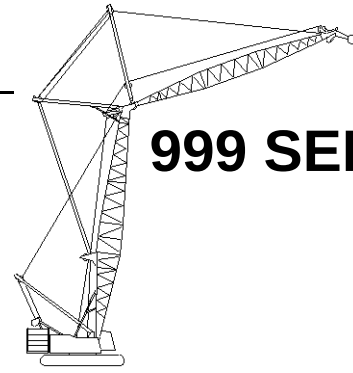


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 110 Ft. Jib

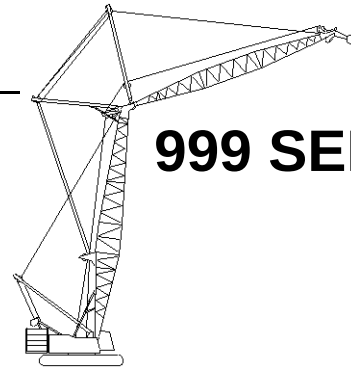
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.7	273.2	79,200*b																			45
50	70.9	271.5	77,800*b	74.0	273.0	94,600*b																50
55	68.1	269.6	75,400*	71.2	271.3	92,800*b																55
60	65.3	267.4	72,200*	68.5	269.4	89,400*																60
65	62.4	264.8	70,100*	65.6	267.3	85,000*	70.3	269.8	83,200													65
70	59.4	262.0	67,400*	62.7	264.8	79,800	67.5	267.8	75,600													70
75	56.3	258.7	62,500*	59.7	261.9	73,000	64.6	265.5	69,200													75
80	53.0	255.1	57,900*	56.6	258.8	67,200	61.7	262.9	63,600	66.5	265.7	60,100										80
85	49.7	251.0	53,900*	53.4	255.2	62,200	58.7	260.0	58,900	63.6	263.3	55,500										85
90	46.1	246.4	50,100*	50.1	251.1	57,800	55.6	256.7	54,700	60.7	260.6	51,500										90
95	42.3	241.1	46,600*	46.5	246.6	53,900	52.3	252.9	50,900	57.6	257.5	48,000										95
100	38.3	235.1	43,500*	42.8	241.4	50,400	48.9	248.7	47,600	54.5	254.1	44,900	62.8	259.4	40,400							100
105	33.8	228.0	40,900*	38.8	235.5	47,300	45.3	244.0	44,700	51.2	250.2	42,100	59.8	256.6	37,800							105
110	28.6	219.6	38,700*	34.3	228.5	44,500	41.5	238.6	42,000	47.7	245.8	39,500	56.7	253.4	35,500							110
115	22.4	208.8	37,100*	29.3	220.2	41,900	37.3	232.3	39,600	44.0	240.8	37,300	53.5	249.8	33,400							115
120	13.7	192.8	36,300*	23.2	209.8	39,600	32.7	225.0	37,400	40.1	235.2	35,200	50.2	245.8	31,500							120
125				15.0	194.8	37,400	27.4	216.1	35,300	35.8	228.6	33,200	46.7	241.3	29,700	55.6	247.8	26,300				125
130							20.8	204.6	33,400	31.0	220.8	31,500	42.9	236.1	28,100	52.4	244.1	24,800				130
135							10.9	186.2	31,700	25.3	211.2	29,800	38.9	230.2	26,600	49.0	239.9	23,500				135
140										18.0	198.1	28,300	34.5	223.3	25,300	45.4	235.1	22,200				140
145													29.5	215.1	24,000	41.6	229.7	21,100	50.9	236.8	18,200	145
150													23.5	204.7	22,800	37.4	223.5	20,000	47.4	232.4	17,300	150
155													15.4	190.0	21,600	32.8	216.2	19,000	43.8	227.4	16,400	155
160																27.5	207.4	18,000	39.8	221.6	15,500	160
165																21.0	195.9	17,100	35.5	215.0	14,700	165
170																11.2	177.8	16,200	30.6	207.1	14,000	170
175																			24.9	197.3	13,200	175
180																			17.4	183.9	12,500	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.1	283.6	73,200*b																			45
50	72.6	282.1	71,300*																			50
55	70.0	280.3	69,300*	72.9	281.9	85,800*b																55
60	67.5	278.3	68,200*	70.3	280.2	83,900*																60
65	64.9	276.1	65,500*	67.8	278.2	82,000*																65
70	62.2	273.5	63,800*	65.2	276.0	77,600*	69.5	278.6	75,100													70
75	59.4	270.6	60,800*	62.5	273.4	72,600	66.9	276.6	68,700													75
80	56.6	267.4	56,600*	59.7	270.6	66,800	64.3	274.2	63,100													80
85	53.6	263.9	52,700*	56.9	267.4	61,800	61.6	271.6	58,400	66.0	274.4	55,000										85
90	50.6	259.9	49,000*	54.0	263.9	57,400	58.8	268.7	54,200	63.3	272.0	51,000										90
95	47.4	255.4	45,800*	51.0	260.0	53,500	55.9	265.4	50,500	60.6	269.3	47,500										95
100	44.0	250.5	42,800*	47.8	255.6	50,000	53.0	261.7	47,200	57.8	266.2	44,400										100
105	40.4	244.8	40,000*	44.4	250.7	46,900	49.9	257.7	44,200	54.9	262.8	41,600	62.6	268.0	37,200							105
110	36.6	238.4	37,600*	40.9	245.1	44,100	46.7	253.1	41,600	51.9	259.0	39,000	59.8	265.2	34,900							110
115	32.3	230.9	35,500*	37.0	238.8	41,600	43.3	248.0	39,200	48.8	254.8	36,800	57.0	262.1	32,800							115
120	27.4	222.0	33,800*	32.8	231.5	39,200	39.6	242.2	37,000	45.5	250.0	34,700	54.1	258.6	30,900							120
125	21.4	210.6	32,500*	28.0	222.7	37,100	35.6	235.6	34,900	42.0	244.7	32,800	51.1	254.7	29,200							125
130	13.1	193.9	31,900*	22.2	211.7	35,100	31.2	227.8	33,100	38.3	238.7	31,000	47.9	250.3	27,600	56.0	256.5	24,200				130
135				14.3	196.0	33,300	26.2	218.5	31,400	34.2	231.7	29,400	44.6	245.4	26,100	53.1	252.9	22,900				135
140							19.9	206.3	29,800	29.6	223.4	27,900	41.0	239.9	24,700	50.0	248.8	21,600				140
145							10.4	187.0	28,200	24.2	213.3	26,500	37.2	233.6	23,500	46.8	244.3	20,500				145
150										17.2	199.6	25,200	32.9	226.3	22,300	43.3	239.2	19,400	51.7	245.6	16,600	150
155													28.1	217.6	21,200	39.7	233.4	18,400	48.6	241.4	15,700	155
160													22.4	206.7	20,100	35.7	226.8	17,500	45.3	236.6	14,900	160
165													14.7	191.3	19,100	31.3	219.0	16,600	41.8	231.2	14,100	165
170																26.3	209.7	15,800	38.0	225.1	13,400	170
175																20.1	197.7	15,000	33.9	218.0	12,700	175
180																10.7	178.7	14,200	29.2	209.7	12,000	180
185																			23.8	199.4	11,400	185
190																			16.6	185.3	10,800	190

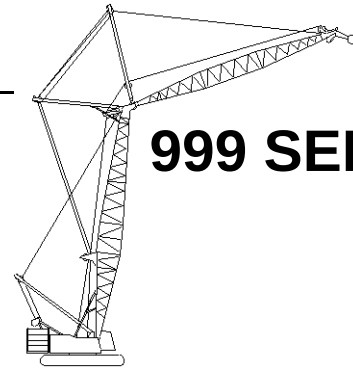


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 130 Ft. Jib

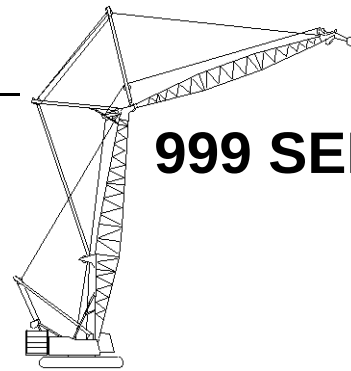
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	68,300													75
80	59.5	279.3	55,000*	62.3	282.1	66,000*	66.4	285.3	62,800													80
85	56.9	276.1	51,400*	59.8	279.3	61,400	63.9	282.9	58,000	68.0	285.3	54,600										85
90	54.2	272.6	47,900*	57.2	276.1	57,000	61.4	280.3	53,800	65.5	283.1	50,600										90
95	51.4	268.7	44,800*	54.5	272.7	53,200	58.9	277.3	50,100	63.1	280.7	47,100										95
100	48.5	264.4	42,000*	51.7	268.8	49,700	56.3	274.1	46,800	60.6	277.9	44,000										100
105	45.4	259.7	39,300*	48.8	264.6	46,600	53.6	270.5	43,900	58.0	274.9	41,200										105
110	42.2	254.3	36,800*	45.8	259.9	43,800	50.7	266.5	41,200	55.3	271.5	38,700	62.4	276.7	34,500							110
115	38.8	248.4	34,600*	42.6	254.6	41,300	47.8	262.1	38,800	52.6	267.8	36,400	59.8	273.9	32,400							115
120	35.0	241.6	32,700*	39.2	248.7	39,000	44.7	257.3	36,600	49.7	263.7	34,300	57.2	270.8	30,500							120
125	30.9	233.7	31,000*	35.5	242.0	36,800*	41.5	251.8	34,600	46.8	259.1	32,400	54.6	267.3	28,800							125
130	26.2	224.3	29,700*	31.4	234.3	34,800*	38.0	245.7	32,800	43.6	254.1	30,700	51.8	263.5	27,200							130
135	20.6	212.4	28,700*	26.8	225.1	33,100*	34.2	238.7	31,100	40.3	248.4	29,100	48.9	259.2	25,700	56.3	265.2	22,400				135
140	12.6	195.0	28,200*	21.3	213.6	31,400	30.0	230.5	29,500	36.7	242.0	27,600	45.9	254.6	24,400	53.6	261.6	21,200				140
145				13.7	197.2	29,800	25.1	220.7	28,000	32.8	234.6	26,200	42.7	249.3	23,100	50.8	257.7	20,100				145
150							19.1	208.0	26,700	28.4	226.0	24,900	39.3	243.5	22,000	47.9	253.3	19,000				150
155							10.0	187.9	25,300	23.2	215.3	23,700	35.6	236.8	20,900	44.8	248.4	18,100	52.4	254.4	15,300	155
160										16.5	201.1	22,500	31.6	229.1	19,800	41.5	243.0	17,100	49.5	250.3	14,500	160
165													27.0	220.0	18,900	38.1	236.8	16,300	46.5	245.7	13,700	165
170													21.5	208.6	17,900	34.3	229.9	15,400	43.4	240.6	13,000	170
175													14.1	192.5	17,000	30.1	221.7	14,700	40.1	234.9	12,300	175
180																25.2	211.9	13,900	36.4	228.4	11,600	180
185																19.2	199.4	13,200	32.5	221.0	11,000	185
190																10.2	179.6	12,500	28.0	212.2	10,400	190
195																			22.8	201.4	9,900	195
200																			16.0	186.7	9,300	200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	67,800													75
80	61.9	290.8	53,200*	64.4	293.3	63,300*	68.2	296.2	62,300													80
85	59.5	287.9	49,900*	62.1	290.8	59,800*	65.9	294.0	57,500													85
90	57.1	284.8	46,700*	59.8	287.9	56,400*	63.7	291.6	53,300	67.4	294.1	50,000										90
95	54.6	281.3	43,700*	57.4	284.8	52,700	61.3	288.9	49,600	65.2	291.8	46,500										95
100	52.0	277.5	41,000*	54.9	281.4	49,300	59.0	286.0	46,300	62.9	289.3	43,400										100
105	49.4	273.4	38,500*	52.3	277.6	46,200	56.5	282.8	43,400	60.5	286.6	40,600										105
110	46.6	268.8	36,200*	49.7	273.5	43,400	54.0	279.2	40,800	58.1	283.6	38,100										110
115	43.7	263.7	34,000*	46.9	269.0	40,900	51.4	275.4	38,400	55.7	280.2	35,900	62.2	285.4	31,800							115
120	40.6	258.1	32,000*	44.0	263.9	38,500*	48.8	271.1	36,200	53.1	276.6	33,800	59.9	282.5	29,900							120
125	37.3	251.8	30,200*	40.9	258.4	36,400*	46.0	266.4	34,200	50.5	272.6	31,900	57.4	279.4	28,200							125
130	33.7	244.6	28,700*	37.7	252.2	34,300*	43.0	261.2	32,300	47.8	268.2	30,200	55.0	276.0	26,600							130
135	29.8	236.4	27,300*	34.1	245.1	32,300*	39.9	255.5	30,700	44.9	263.3	28,600	52.4	272.3	25,200							135
140	25.3	226.5	26,200*	30.2	237.0	30,700*	36.5	249.0	29,100	41.9	257.9	27,100	49.8	268.2	23,800	56.6	273.9	20,600				140
145	19.8	214.2	25,400*	25.8	227.4	29,300*	32.9	241.6	27,600	38.7	251.9	25,700	47.0	263.6	22,600	54.1	270.4	19,500				145
150	12.1	196.0	25,100*	20.5	215.4	28,100	28.8	233.1	26,300	35.3	245.2	24,500	44.1	258.6	21,400	51.5	266.5	18,400				150
155				13.2	198.3	26,700	24.2	222.8	25,000	31.5	237.5	23,300	41.1	253.1	20,300	48.8	262.2	17,500				155
160							18.4	209.6	23,800	27.3	228.4	22,100	37.8	246.9	19,300	46.0	257.6	16,500	53.0	263.2	13,800	160
165							9.6	188.7	22,600	22.3	217.3	21,100	34.3	239.9	18,400	43.1	252.4	15,700	50.3	259.2	13,100	165
170										15.9	202.4	20,000	30.4	231.8	17,500	39.9	246.6	14,900	47.6	254.7	12,400	170
175													26.0	222.3	16,600	36.6	240.2	14,100	44.7	249.8	11,700	175
180													20.7	210.4	15,800	33.0	232.8	13,400	41.7	244.4	11,000	180
185													13.5	193.6	15,000	28.9	224.3	12,700	38.5	238.4	10,400	185
190																24.3	214.1	12,100	35.1	231.6	9,900	190
195																18.5	201.0	11,400	31.3	223.8	9,300	195
200																9.8	180.4	10,800	27.0	214.6	8,800	200
205																			21.9	203.3	8,300	205
210																			15.4	188.0	7,800	210

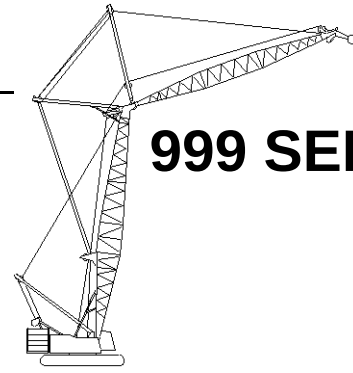


Liftcrane Luffing Jib Capacities

999 SERIES 2

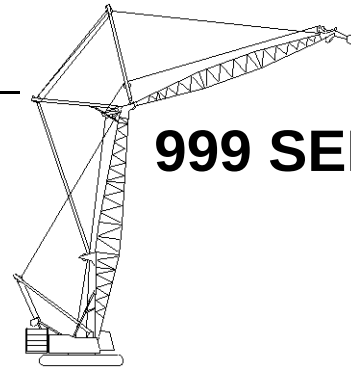
**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating**

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



160 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	62,100													80
85	61.7	299.5	48,300*	64.1	302.0	57,600*	67.6	304.9	57,300													85
90	59.5	296.6	45,400*	62.0	299.4	54,500*	65.5	302.7	53,100													90
95	57.3	293.5	42,700*	59.8	296.6	51,500*	63.4	300.3	49,400	66.9	302.8	46,300										95
100	55.0	290.1	40,100*	57.5	293.5	48,600*	61.3	297.6	46,200	64.8	300.5	43,200										100
105	52.6	286.3	37,700*	55.2	290.1	45,700*	59.0	294.7	43,200	62.7	298.0	40,500										105
110	50.1	282.3	35,400*	52.9	286.4	43,000*	56.8	291.5	40,600	60.5	295.2	38,000										110
115	47.6	277.8	33,400*	50.4	282.4	40,400*	54.4	288.0	38,200	58.3	292.2	35,700										115
120	44.9	272.9	31,500*	47.9	278.0	38,100*	52.0	284.2	36,000	56.0	288.9	33,600	62.1	294.0	29,700							120
125	42.1	267.6	29,800*	45.2	273.1	35,800*	49.6	280.0	34,000	53.6	285.3	31,700	59.9	291.2	28,000							125
130	39.1	261.6	28,100*	42.4	267.8	33,800*	47.0	275.5	32,200	51.2	281.4	30,000	57.6	288.1	26,400							130
135	36.0	255.0	26,600*	39.5	262.0	32,000*	44.3	270.5	30,500	48.7	277.1	28,400	55.3	284.7	25,000							135
140	32.5	247.5	25,400*	36.3	255.4	30,300*	41.5	265.0	29,000	46.1	272.5	27,000	52.9	281.1	23,600							140
145	28.7	238.9	24,300*	32.9	248.1	28,600*	38.5	259.0	27,500	43.3	267.3	25,600	50.5	277.0	22,400	56.8	282.6	19,300				145
150	24.4	228.7	23,400*	29.2	239.6	27,300*	35.2	252.2	26,200	40.4	261.6	24,300	48.0	272.6	21,200	54.5	279.1	18,200				150
155	19.1	215.8	22,800*	24.9	229.6	26,100*	31.7	244.5	24,900	37.4	255.3	23,100	45.3	267.8	20,200	52.1	275.3	17,300				155
160	11.7	197.0	22,500*	19.8	217.1	25,200*	27.8	235.5	23,700	34.1	248.3	22,000	42.5	262.6	19,200	49.6	271.2	16,400				160
165				12.7	199.4	24,200	23.3	224.9	22,600	30.4	240.2	21,000	39.6	256.7	18,200	47.0	266.6	15,500				165
170							17.7	211.1	21,500	26.3	230.7	20,000	36.5	250.2	17,300	44.4	261.7	14,700	51.0	268.0	12,200	170
175							9.2	189.5	20,500	21.5	219.2	19,000	33.1	242.9	16,500	41.5	256.2	14,000	48.5	263.7	11,500	175
180										15.3	203.8	18,100	29.3	234.4	15,700	38.5	250.1	13,300	45.9	259.0	10,900	180
185													25.1	224.5	14,900	35.3	243.4	12,600	43.1	253.8	10,300	185
190													20.0	212.2	14,200	31.8	235.7	11,900	40.2	248.1	9,700	190
195													13.1	194.7	13,500	27.9	226.8	11,300	37.1	241.8	9,200	195
200																23.4	216.2	10,700	33.8	234.6	8,600	200
205																17.9	202.5	10,200	30.2	226.5	8,100	205
210																9.5	181.2	9,600	26.0	216.9	7,700	210
215																			21.2	205.2	7,200	215
220																			14.8	189.3	6,800	220



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

160 Ft. Boom, 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	56,800													85
90	61.6	308.1	44,000*	63.9	310.7	52,400*	67.2	313.7	52,600													90
95	59.6	305.3	41,500*	61.9	308.1	49,800*	65.2	311.4	48,900													95
100	57.5	302.2	39,100*	59.8	305.2	47,100*	63.2	308.9	45,700	66.5	311.5	42,700										100
105	55.3	298.8	36,800*	57.7	302.2	44,600*	61.2	306.2	42,700	64.5	309.2	39,900										105
110	53.1	295.1	34,700*	55.5	298.8	42,100*	59.1	303.3	40,100	62.5	306.7	37,400										110
115	50.8	291.1	32,700*	53.3	295.2	39,700*	57.0	300.1	37,700	60.5	303.9	35,200										115
120	48.4	286.8	30,900*	51.0	291.2	37,400*	54.8	296.7	35,500	58.4	300.9	33,100										120
125	46.0	282.1	29,200*	48.7	286.9	35,300*	52.6	293.0	33,600	56.2	297.6	31,200	61.9	302.7	27,400							125
130	43.4	276.9	27,600*	46.2	282.3	33,300*	50.3	288.9	31,700	54.0	294.1	29,500	59.9	299.9	25,800							130
135	40.7	271.3	26,200*	43.7	277.2	31,500*	47.9	284.5	30,100	51.8	290.2	27,900	57.8	296.8	24,400							135
140	37.8	265.1	24,800*	41.0	271.6	29,800*	45.4	279.7	28,500	49.4	286.1	26,500	55.6	293.4	23,100							140
145	34.8	258.2	23,600*	38.2	265.5	28,300*	42.8	274.5	27,100	47.0	281.5	25,100	53.4	289.8	21,800							145
150	31.5	250.4	22,600*	35.1	258.6	26,900*	40.1	268.7	25,700	44.5	276.6	23,800	51.1	285.9	20,700	57.0	291.3	17,600				150
155	27.8	241.4	21,700*	31.8	250.9	25,500*	37.2	262.3	24,500	41.9	271.2	22,700	48.8	281.6	19,600	54.9	287.8	16,700				155
160	23.6	230.8	21,000*	28.2	242.1	24,400*	34.1	255.2	23,300	39.1	265.2	21,500	46.3	277.0	18,600	52.6	284.1	15,800				160
165	18.5	217.4	20,400*	24.1	231.7	23,400*	30.7	247.2	22,200	36.1	258.6	20,500	43.8	271.9	17,700	50.3	280.0	14,900				165
170	11.3	198.0	20,300*	19.1	218.8	22,700*	26.9	237.9	21,200	32.9	251.2	19,500	41.1	266.3	16,800	47.9	275.6	14,100				170
175				12.3	200.5	21,700	22.5	226.8	20,200	29.4	242.8	18,600	38.3	260.2	16,000	45.5	270.9	13,400	51.6	276.8	10,900	175
180							17.1	212.6	19,200	25.5	233.0	17,700	35.2	253.4	15,200	42.9	265.6	12,700	49.3	272.6	10,300	180
185							8.9	190.2	18,300	20.8	221.0	16,900	32.0	245.7	14,500	40.1	259.9	12,000	46.9	268.1	9,700	185
190										14.8	205.0	16,100	28.4	237.0	13,800	37.2	253.5	11,400	44.3	263.1	9,100	190
195													24.2	226.6	13,100	34.1	246.4	10,800	41.7	257.7	8,600	195
200													19.3	213.8	12,400	30.8	238.4	10,200	38.9	251.7	8,100	200
205													12.6	195.8	11,800	27.0	229.2	9,700	35.9	245.0	7,600	205
210																22.6	218.1	9,200	32.7	237.6	7,100	210
215																17.3	204.0	8,600	29.2	229.1	6,700	215
220																9.2	181.9	8,100	25.2	219.1	6,300	220
225																			20.5	207.0	5,800	225
230																			14.3	190.6	5,400	230

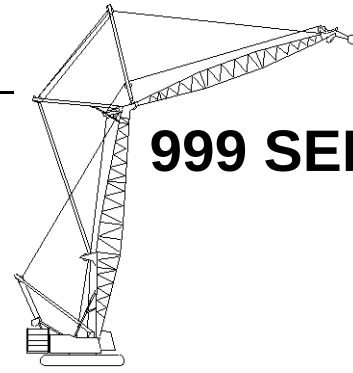


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 170 Ft. Jib

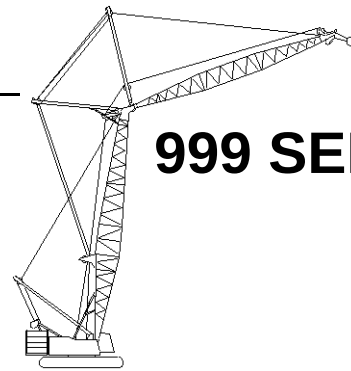
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib 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	
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	52,200										90
95	61.5	316.8	40,500*	63.7	319.4	48,200*	66.8	322.4	48,600										95
100	59.6	313.9	38,300*	61.8	316.8	45,900*	64.9	320.1	45,300	68.0	322.4	42,300							100
105	57.6	310.8	36,200*	59.8	313.9	43,600*	63.0	317.6	42,400	66.1	320.3	39,500							105
110	55.6	307.5	34,200*	57.8	310.8	41,400*	61.1	314.9	39,700	64.3	317.9	37,000							110
115	53.5	303.9	32,400*	55.8	307.5	39,200*	59.2	312.0	37,400	62.4	315.3	34,800							115
120	51.4	299.9	30,600*	53.7	303.9	37,100*	57.2	308.8	35,200	60.4	312.6	32,700							120
125	49.2	295.7	28,900*	51.6	300.0	35,100*	55.1	305.4	33,200	58.5	309.6	30,800							125
130	46.9	291.2	27,400*	49.4	295.9	33,200*	53.0	301.7	31,400	56.5	306.3	29,100	61.8	311.4	25,400				130
135	44.5	286.2	26,000*	47.1	291.3	31,400*	50.9	297.8	29,700	54.4	302.8	27,500	59.9	308.5	24,000				135
140	42.0	280.8	24,700*	44.8	286.4	29,700*	48.7	293.5	28,200	52.3	299.0	26,100	57.9	305.5	22,700				140
145	39.4	274.9	23,500*	42.3	281.1	28,200*	46.4	288.8	26,700	50.1	295.0	24,700	55.9	302.1	21,400				145
150	36.6	268.4	22,300*	39.7	275.2	26,800*	44.0	283.8	25,400	47.9	290.5	23,500	53.8	298.6	20,300				150
155	33.7	261.2	21,300*	37.0	268.8	25,500*	41.5	278.3	24,100	45.5	285.8	22,300	51.7	294.7	19,200	57.2	299.9	16,200	155
160	30.5	253.1	20,400*	34.0	261.7	24,300*	38.8	272.2	23,000	43.1	280.6	21,200	49.5	290.5	18,200	55.2	296.5	15,300	160
165	26.9	243.8	19,700*	30.9	253.7	23,100*	36.0	265.6	21,900	40.6	274.9	20,200	47.2	286.0	17,300	53.1	292.9	14,500	165
170	22.8	232.8	19,100*	27.3	244.6	22,200*	33.0	258.2	20,900	37.9	268.7	19,200	44.9	281.1	16,400	50.9	288.9	13,700	170
175	17.9	219.0	18,700*	23.3	233.8	21,400*	29.7	249.9	19,900	35.0	261.8	18,300	42.4	275.8	15,600	48.7	284.6	13,000	175
180	10.9	198.9	18,600*	18.5	220.4	20,500	26.1	240.2	19,000	31.9	254.1	17,400	39.8	270.0	14,800	46.4	280.0	12,300	180
185				11.9	201.5	19,600	21.9	228.8	18,100	28.5	245.3	16,600	37.1	263.6	14,100	44.0	274.9	11,600	185
190							16.6	214.1	17,300	24.7	235.2	15,800	34.1	256.5	13,400	41.5	269.4	11,000	190
195							8.6	190.9	16,400	20.2	222.8	15,100	31.0	248.5	12,700	38.9	263.4	10,400	195
200										14.4	206.3	14,300	27.5	239.4	12,100	36.1	256.8	9,800	200
205													23.5	228.7	11,500	33.1	249.4	9,300	205
210													18.7	215.5	10,900	29.8	241.1	8,800	210
215													12.2	196.9	10,300	26.2	231.5	8,300	215
220																21.9	220.1	7,800	220
225																16.7	205.5	7,400	225
230																8.9	182.7	6,900	230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			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	48,100										95
100	61.4	325.5	37,100*	63.5	328.1	44,100*	66.4	331.1	44,800										100
105	59.6	322.6	35,200*	61.7	325.4	42,100*	64.6	328.8	41,900	67.5	331.2	39,000							105
110	57.7	319.5	33,300*	59.8	322.6	40,100*	62.9	326.3	39,300	65.8	329.0	36,500							110
115	55.8	316.2	31,600*	58.0	319.5	38,100*	61.0	323.6	36,900	64.0	326.6	34,200							115
120	53.9	312.6	29,900*	56.1	316.2	36,200*	59.2	320.6	34,700	62.2	324.0	32,200							120
125	51.9	308.8	28,300*	54.1	312.7	34,400*	57.3	317.5	32,700	60.4	321.2	30,300							125
130	49.8	304.6	26,900*	52.1	308.8	32,600*	55.4	314.1	30,900	58.6	318.2	28,600							130
135	47.7	300.2	25,500*	50.0	304.7	30,900*	53.4	310.5	29,200	56.7	315.0	27,000	61.7	320.0	23,400				135
140	45.5	295.4	24,200*	47.9	300.3	29,300*	51.4	306.6	27,700	54.7	311.5	25,600	59.9	317.2	22,100				140
145	43.2	290.2	23,100*	45.7	295.6	27,800*	49.3	302.4	26,300	52.7	307.8	24,200	58.0	314.1	20,900				145
150	40.8	284.5	21,900*	43.4	290.4	26,400*	47.2	297.9	24,900	50.7	303.8	23,000	56.1	310.8	19,700				150
155	38.2	278.4	20,900*	41.0	284.8	25,100*	45.0	293.0	23,700	48.6	299.5	21,800	54.2	307.3	18,700				155
160	35.6	271.6	19,900*	38.5	278.7	23,900*	42.6	287.7	22,500	46.4	294.9	20,700	52.2	303.5	17,700	57.4	308.6	14,700	160
165	32.7	264.1	19,100*	35.9	272.1	22,900*	40.2	281.9	21,400	44.2	289.8	19,700	50.1	299.4	16,800	55.4	305.2	13,900	165
170	29.6	255.7	18,400*	33.0	264.7	21,900*	37.7	275.7	20,400	41.8	284.4	18,700	48.0	295.0	15,900	53.5	301.6	13,100	170
175	26.1	246.1	17,800*	30.0	256.4	20,900*	35.0	268.8	19,500	39.4	278.5	17,800	45.8	290.3	15,100	51.5	297.7	12,400	175
180	22.2	234.7	17,300*	26.6	246.9	20,100*	32.0	261.1	18,500	36.7	272.0	17,000	43.5	285.1	14,300	49.4	293.5	11,700	180
185	17.4	220.5	16,900*	22.7	235.8	19,200	28.9	252.4	17,700	34.0	264.8	16,100	41.1	279.6	13,600	47.2	289.0	11,100	185
190	10.6	199.8	16,900*	18.0	222.0	18,400	25.3	242.5	16,900	31.0	256.9	15,400	38.6	273.5	12,900	45.0	284.1	10,400	190
195				11.6	202.5	17,500	21.2	230.6	16,100	27.7	247.8	14,600	36.0	266.8	12,200	42.7	278.9	9,900	195
200							16.1	215.5	15,300	24.0	237.3	13,900	33.1	259.5	11,600	40.3	273.1	9,300	200
205							8.4	191.6	14,600	19.6	224.5	13,300	30.1	251.2	11,000	37.7	266.8	8,800	205
210										14.0	207.5	12,600	26.7	241.8	10,400	35.0	260.0	8,300	210
215													22.8	230.7	9,900	32.1	252.3	7,800	215
220													18.2	217.1	9,400	28.9	243.7	7,300	220
225													11.9	197.9	8,800	25.4	233.8	6,900	225
230																21.3	221.9	6,400	230
235																16.3	206.9	6,000	235
240																8.6	183.4	5,600	240

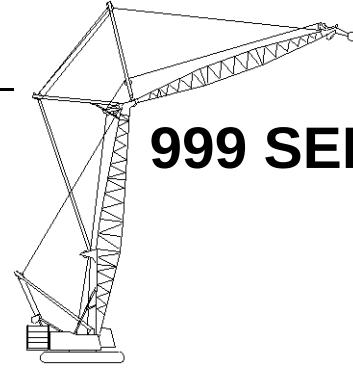


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



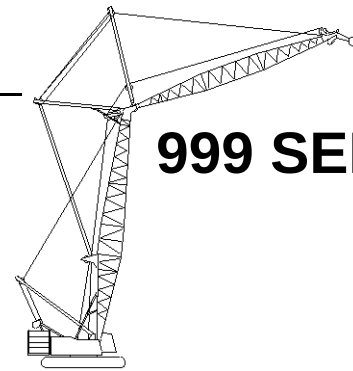
160 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	76.0	352.0	40,600*													60
65	74.5	350.7	40,200*													65
70	72.9	349.2	39,600*													70
75	71.3	347.5	39,000*	73.1	349.0	46,000*										75
80	69.7	345.7	38,300*	71.5	347.3	45,700*										80
85	68.1	343.7	37,700*	69.9	345.6	45,500*										85
90	66.4	341.6	37,000*	68.3	343.6	45,200*	70.9	345.8	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	41,700							105
110	59.6	331.3	32,400*	61.6	334.1	38,700*	64.4	337.5	39,000	67.1	339.9	36,300				110
115	57.9	328.2	30,800*	59.8	331.2	37,000*	62.7	334.9	36,600	65.5	337.7	34,000				115
120	56.1	324.9	29,200*	58.1	328.2	35,300*	61.0	332.2	34,500	63.8	335.3	32,000				120
125	54.2	321.3	27,800*	56.3	324.9	33,600*	59.2	329.3	32,500	62.1	332.7	30,100				125
130	52.3	317.6	26,400*	54.4	321.4	32,000*	57.5	326.2	30,700	60.4	329.9	28,400				130
135	50.4	313.5	25,000*	52.5	317.6	30,400*	55.7	322.8	29,000	58.6	326.9	26,800				135
140	48.4	309.2	23,800*	50.6	313.6	28,900*	53.8	319.2	27,500	56.8	323.7	25,400	61.6	328.7	21,900	140
145	46.3	304.5	22,600*	48.6	309.3	27,500*	51.9	315.4	26,000	55.0	320.3	24,000	59.9	325.8	20,600	145
150	44.2	299.5	21,600*	46.6	304.7	26,100*	49.9	311.3	24,700	53.1	316.6	22,800	58.1	322.8	19,500	150
155	42.0	294.0	20,600*	44.4	299.7	24,800*	47.9	306.9	23,500	51.2	312.6	21,600	56.3	319.5	18,500	155
160	39.6	288.2	19,700*	42.2	294.3	23,700*	45.9	302.1	22,300	49.3	308.4	20,500	54.5	316.0	17,500	160
165	37.2	281.8	18,800*	39.9	288.5	22,600*	43.7	297.0	21,200	47.2	303.9	19,500	52.6	312.3	16,500	165
170	34.6	274.7	18,000*	37.5	282.2	21,600*	41.4	291.5	20,200	45.1	299.0	18,500	50.7	308.3	15,700	170
175	31.8	267.0	17,300*	34.9	275.2	20,700*	39.1	285.5	19,300	42.9	293.8	17,600	48.7	304.0	14,900	175
180	28.8	258.3	16,700*	32.1	267.6	19,800*	36.6	279.0	18,400	40.6	288.1	16,700	46.6	299.3	14,100	180
185	25.4	248.4	16,100*	29.1	259.0	18,900*	34.0	271.8	17,500	38.3	282.0	15,900	44.5	294.4	13,400	185
190	21.6	236.6	15,700*	25.8	249.2	18,200	31.2	263.9	16,700	35.7	275.2	15,200	42.3	289.0	12,700	190
195	16.9	222.0	15,500*	22.0	237.7	17,400	28.1	254.9	15,900	33.0	267.8	14,500	40.0	283.2	12,000	195
200	10.3	200.7	15,000*	17.5	223.5	16,600	24.6	244.7	15,200	30.1	259.5	13,800	37.6	276.9	11,400	200
205				11.3	203.4	15,800*	20.6	232.4	14,500	26.9	250.2	13,100	35.0	270.0	10,800	205
210							15.7	216.8	13,800	23.3	239.3	12,500	32.2	262.4	10,300	210
215							8.1	192.3	13,100	19.1	226.2	11,900	29.2	253.8	9,700	215
220										13.6	208.6	11,300	25.9	244.1	9,200	220
225													22.2	232.7	8,700	225
230													17.7	218.6	8,200	230
235													11.5	198.9	7,700	235

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.3	361.1	37,000*													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	38,500							110
115	59.7	339.9	29,900*	61.5	342.7	35,600*	64.2	346.2	36,200	66.8	348.6	33,500				115
120	58.0	336.8	28,400*	59.8	339.9	34,100*	62.6	343.6	34,000	65.2	346.4	31,500				120
125	56.3	333.6	27,000*	58.2	336.8	32,600*	60.9	340.9	32,000	63.6	343.9	29,600				125
130	54.5	330.1	25,800*	56.5	333.6	31,100*	59.3	338.0	30,200	62.0	341.3	27,900				130
135	52.7	326.3	24,500*	54.7	330.1	29,700*	57.6	334.9	28,600	60.4	338.5	26,300				135
140	50.9	322.3	23,300*	52.9	326.4	28,300*	55.9	331.5	27,000	58.7	335.6	24,900				140
145	49.0	318.1	22,200*	51.1	322.4	27,000*	54.1	328.0	25,600	57.0	332.4	23,500	61.5	337.3	20,100	145
150	47.1	313.5	21,100*	49.2	318.2	25,700*	52.3	324.2	24,300	55.3	329.0	22,300	59.9	334.5	19,000	150
155	45.1	308.7	20,200*	47.3	313.7	24,500*	50.5	320.1	23,000	53.5	325.3	21,100	58.2	331.5	17,900	155
160	43.0	303.4	19,300*	45.3	308.9	23,300*	48.6	315.8	21,900	51.7	321.5	20,000	56.5	328.2	16,900	160
165	40.8	297.8	18,500*	43.2	303.7	22,300*	46.6	311.2	20,800	49.8	317.3	19,000	54.8	324.7	16,000	165
170	38.6	291.7	17,700*	41.1	298.1	21,300*	44.6	306.2	19,800	47.9	312.9	18,000	53.0	321.1	15,100	170
175	36.2	285.0	17,000*	38.8	292.0	20,300*	42.5	300.9	18,800	45.9	308.2	17,100	51.2	317.1	14,300	175
180	33.7	277.8	16,200*	36.5	285.5	19,500*	40.3	295.2	17,900	43.9	303.1	16,300	49.3	312.9	13,600	180
185	31.0	269.8	15,600*	34.0	278.3	18,700*	38.1	289.0	17,100	41.8	297.6	15,500	47.4	308.4	12,900	185
190	28.0	260.8	15,100*	31.3	270.4	17,800	35.7	282.2	16,300	39.6	291.7	14,700	45.4	303.6	12,200	190
195	24.8	250.5	14,700*	28.4	261.5	17,000	33.1	274.8	15,500	37.2	285.3	14,000	43.3	298.4	11,500	195
200	21.0	238.5	14,300*	25.1	251.4	16,200	30.3	266.6	14,800	34.8	278.4	13,300	41.2	292.8	10,900	200
205	16.5	223.4	14,100*	21.5	239.6	15,500	27.3	257.4	14,100	32.2	270.7	12,700	38.9	286.8	10,300	205
210	10.0	201.5	12,900*	17.0	225.0	14,800	24.0	246.8	13,400	29.3	262.2	12,000	36.6	280.2	9,800	210
215				11.0	204.4	13,700*	20.1	234.2	12,800	26.2	252.5	11,500	34.1	273.1	9,200	215
220							15.3	218.2	12,200	22.7	241.3	10,900	31.4	265.2	8,700	220
225							7.9	193.0	11,500	18.6	227.8	10,300	28.5	256.3	8,200	225
230										13.2	209.8	9,800	25.3	246.3	7,800	230
235													21.6	234.6	7,300	235
240													17.2	220.1	6,900	240
245													11.2	199.8	6,400	245

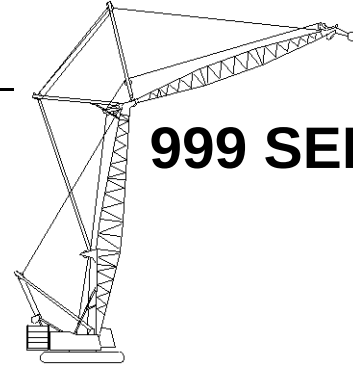


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



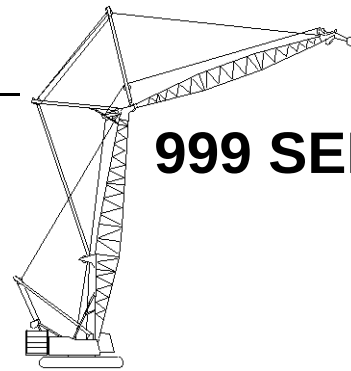
160 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. 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	
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	35,800	68.0	359.5	33,100				115
120	59.7	348.6	27,600*	61.4	351.4	32,900*	64.0	354.8	33,600	66.5	357.4	31,000				120
125	58.1	345.5	26,300*	59.8	348.5	31,600*	62.5	352.3	31,700	65.0	355.1	29,200				125
130	56.4	342.3	25,100*	58.3	345.5	30,300*	60.9	349.5	29,800	63.5	352.6	27,500				130
135	54.8	338.8	24,000*	56.6	342.3	29,000*	59.3	346.6	28,200	61.9	350.0	25,900				135
140	53.1	335.1	22,900*	55.0	338.8	27,700*	57.7	343.5	26,600	60.4	347.2	24,500				140
145	51.3	331.2	21,800*	53.3	335.2	26,400*	56.1	340.2	25,200	58.8	344.2	23,100	63.0	348.7	19,700	145
150	49.6	327.0	20,800*	51.6	331.3	25,300*	54.4	336.7	23,900	57.1	341.0	21,900	61.5	346.0	18,500	150
155	47.7	322.5	19,900*	49.8	327.1	24,100*	52.7	333.0	22,700	55.5	337.7	20,700	59.9	343.2	17,500	155
160	45.9	317.8	18,900*	48.0	322.7	23,000*	51.0	329.0	21,500	53.8	334.1	19,600	58.3	340.1	16,500	160
165	43.9	312.7	18,100*	46.1	318.0	22,000*	49.2	324.7	20,400	52.1	330.3	18,600	56.7	336.9	15,600	165
170	41.9	307.3	17,400*	44.1	312.9	21,000*	47.3	320.2	19,400	50.3	326.2	17,600	55.0	333.5	14,700	170
175	39.8	301.4	16,700*	42.1	307.5	20,100*	45.4	315.4	18,500	48.5	321.9	16,800	53.3	329.8	13,900	175
180	37.6	295.1	16,000*	40.0	301.7	19,200*	43.5	310.2	17,600	46.7	317.2	15,900	51.6	325.9	13,200	180
185	35.3	288.2	15,400*	37.9	295.5	18,300	41.4	304.7	16,700	44.8	312.3	15,100	49.8	321.8	12,400	185
190	32.8	280.7	14,800*	35.6	288.7	17,500	39.3	298.8	15,900	42.8	307.0	14,400	48.0	317.4	11,800	190
195	30.2	272.5	14,300*	33.1	281.3	16,700	37.1	292.3	15,200	40.7	301.4	13,600	46.1	312.7	11,100	195
200	27.3	263.2	13,800*	30.5	273.1	15,900	34.8	285.3	14,400	38.6	295.2	13,000	44.2	307.6	10,500	200
205	24.1	252.7	13,400*	27.7	264.0	15,200	32.3	277.7	13,700	36.3	288.6	12,300	42.2	302.2	9,900	205
210	20.5	240.3	13,200*	24.5	253.6	14,500	29.6	269.2	13,100	33.9	281.4	11,700	40.1	296.5	9,400	210
215	16.1	224.8	13,000*	20.9	241.4	13,800	26.7	259.7	12,500	31.4	273.5	11,100	37.9	290.2	8,900	215
220	9.8	202.4	11,000*	16.6	226.4	13,200	23.4	248.8	11,900	28.6	264.7	10,500	35.6	283.4	8,300	220
225				10.7	205.3	11,800*	19.6	235.9	11,300	25.6	254.8	10,000	33.2	276.0	7,900	225
230							14.9	219.4	10,700	22.1	243.3	9,500	30.6	267.9	7,400	230
235							7.7	193.6	10,200	18.1	229.4	9,000	27.8	258.8	7,000	235
240										12.9	210.9	8,500	24.6	248.5	6,500	240
245													21.1	236.4	6,100	245
250													16.8	221.6	5,700	250
255													11.0	200.8	5,300	255

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 220 Ft. Jib

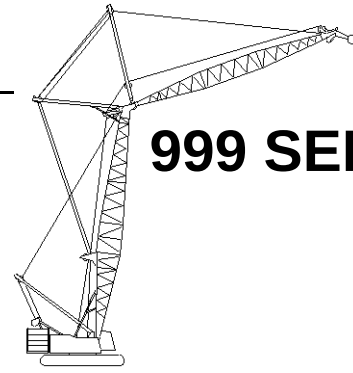
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.3	380.4	31,100*										70
75	73.9	379.0	30,900*										75
80	72.6	377.5	30,600*										80
85	71.2	375.8	30,200*	72.7	377.3	34,900*							85
90	69.8	374.0	29,800*	71.3	375.6	34,700*							90
95	68.4	372.1	29,400*	70.0	373.8	34,500*							95
100	67.0	370.0	29,000*	68.6	371.9	34,300*	70.9	374.1	33,400*				100
105	65.6	367.7	28,500*	67.2	369.9	34,000*	69.5	372.3	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	33,700*	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	30,500	120
125	59.7	357.2	25,500*	61.4	360.1	30,400*	63.8	363.5	31,200	66.2	366.1	28,700	125
130	58.2	354.2	24,400*	59.9	357.2	29,200*	62.3	360.9	29,400	64.8	363.8	27,000	130
135	56.6	350.9	23,300*	58.3	354.2	28,000*	60.9	358.2	27,700	63.3	361.3	25,400	135
140	55.0	347.5	22,300*	56.8	351.0	26,900*	59.3	355.3	26,200	61.8	358.7	24,000	140
145	53.4	343.9	21,300*	55.2	347.5	25,800*	57.8	352.2	24,800	60.3	355.9	22,600	145
150	51.8	340.0	20,300*	53.6	343.9	24,700*	56.3	348.9	23,400	58.8	352.9	21,400	150
155	50.1	335.9	19,400*	52.0	340.1	23,600*	54.7	345.4	22,200	57.3	349.7	20,200	155
160	48.4	331.5	18,600*	50.3	336.0	22,600*	53.1	341.7	21,100	55.7	346.4	19,100	160
165	46.6	326.9	17,800*	48.6	331.7	21,600*	51.4	337.8	20,000	54.1	342.8	18,100	165
170	44.7	321.9	17,000*	46.8	327.0	20,700*	49.7	333.6	19,000	52.5	339.0	17,200	170
175	42.9	316.6	16,300*	45.0	322.1	19,800*	48.0	329.2	18,000	50.8	335.0	16,300	175
180	40.9	311.0	15,600*	43.1	316.9	18,800	46.2	324.5	17,100	49.1	330.8	15,400	180
185	38.8	304.9	15,100*	41.1	311.3	17,900	44.3	319.5	16,300	47.4	326.3	14,600	185
190	36.7	298.4	14,500*	39.1	305.3	17,100	42.4	314.1	15,500	45.5	321.5	13,900	190
195	34.4	291.3	14,000*	36.9	298.8	16,300	40.4	308.4	14,700	43.7	316.3	13,200	195
200	32.0	283.6	13,400*	34.7	291.8	15,500	38.4	302.3	14,000	41.7	310.9	12,500	200
205	29.5	275.1	13,000*	32.3	284.2	14,800	36.2	295.6	13,300	39.7	305.0	11,800	205
210	26.7	265.6	12,600*	29.8	275.7	14,100	33.9	288.4	12,700	37.6	298.7	11,200	210
215	23.6	254.8	12,300*	27.0	266.4	13,400	31.5	280.5	12,000	35.4	291.8	10,700	215
220	20.0	242.0	12,000*	23.9	255.7	12,800	28.9	271.8	11,400	33.1	284.4	10,100	220
225	15.7	226.2	11,200*	20.4	243.2	12,200	26.0	262.0	10,900	30.6	276.2	9,600	225
230	9.5	203.2	9,200*	16.2	227.9	11,600	22.8	250.9	10,300	27.9	267.2	9,000	230
235				10.4	206.2	9,900*	19.1	237.6	9,800	25.0	257.0	8,600	235
240							14.6	220.7	9,300	21.6	245.2	8,100	240
245							7.5	194.3	8,800	17.7	230.9	7,600	245
250										12.6	212.0	7,200	250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

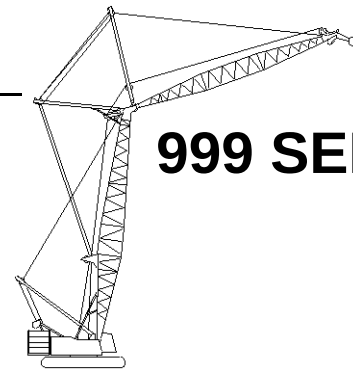
160 Ft. Boom, 230 Ft. Jib

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.	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	
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	28,300	125
130	59.7	365.9	22,400*	61.3	368.7	26,700*	63.6	372.2	29,100	65.9	374.8	26,600	130
135	58.2	362.9	21,400*	59.9	365.9	25,600*	62.2	369.6	27,400	64.6	372.5	25,100	135
140	56.8	359.6	20,500*	58.4	362.8	24,600*	60.8	366.9	25,900	63.2	370.0	23,600	140
145	55.2	356.2	19,600*	56.9	359.6	23,600*	59.4	364.0	24,400	61.8	367.3	22,300	145
150	53.7	352.6	18,800*	55.4	356.2	22,700*	57.9	360.9	23,100	60.3	364.5	21,100	150
155	52.1	348.8	17,900*	53.9	352.7	21,700*	56.4	357.6	21,900	58.9	361.5	19,900	155
160	50.5	344.7	17,200*	52.3	348.9	20,800*	54.9	354.1	20,700	57.4	358.4	18,800	160
165	48.9	340.4	16,400*	50.7	344.8	19,900*	53.4	350.5	19,700	55.9	355.1	17,800	165
170	47.2	335.9	15,700*	49.1	340.6	19,100*	51.8	346.6	18,700	54.4	351.5	16,900	170
175	45.5	331.1	15,100*	47.4	336.1	18,300*	50.2	342.5	17,700	52.8	347.8	16,000	175
180	43.7	326.0	14,500*	45.7	331.3	17,500*	48.5	338.2	16,800	51.2	343.9	15,100	180
185	41.9	320.5	13,900*	43.9	326.2	16,800*	46.8	333.6	16,000	49.6	339.7	14,300	185
190	39.9	314.7	13,300*	42.1	320.8	16,100*	45.1	328.7	15,200	48.0	335.3	13,600	190
195	37.9	308.4	12,800*	40.2	315.0	15,500*	43.3	323.5	14,400	46.2	330.6	12,900	195
200	35.9	301.7	12,400*	38.2	308.8	14,900*	41.4	317.9	13,700	44.5	325.6	12,200	200
205	33.7	294.4	12,000*	36.1	302.1	14,300*	39.5	312.0	13,000	42.7	320.3	11,600	205
210	31.3	286.4	11,600*	33.9	294.9	13,800*	37.5	305.7	12,400	40.8	314.6	10,900	210
215	28.8	277.7	11,200*	31.6	287.0	13,200	35.4	298.8	11,800	38.8	308.5	10,400	215
220	26.1	267.9	11,000*	29.1	278.3	12,500	33.2	291.4	11,200	36.8	302.0	9,800	220
225	23.0	256.8	10,700*	26.4	268.7	11,900	30.8	283.3	10,600	34.6	295.0	9,300	225
230	19.6	243.7	10,300*	23.4	257.8	11,400	28.2	274.3	10,100	32.3	287.3	8,800	230
235	15.3	227.5	9,500*	20.0	245.0	10,800	25.4	264.3	9,500	29.9	278.9	8,300	235
240	9.3	204.0	7,700*	15.9	229.2	10,000*	22.3	252.8	9,000	27.3	269.6	7,800	240
245				10.2	207.1	8,300*	18.7	239.2	8,600	24.4	259.1	7,400	245
250							14.2	221.9	8,100	21.1	247.0	6,900	250
255							7.4	194.9	7,600	17.3	232.4	6,500	255
260										12.3	213.0	6,100	260

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	28,400*	130
135	59.7	374.6	20,600*	61.2	377.4	24,600*	63.5	380.9	26,900	135
140	58.3	371.5	19,800*	59.9	374.5	23,700*	62.1	378.3	25,400	140
145	56.9	368.3	19,000*	58.5	371.5	22,800*	60.8	375.5	24,000	145
150	55.5	364.9	18,200*	57.1	368.3	21,900*	59.4	372.6	22,700	150
155	54.0	361.3	17,400*	55.6	364.9	21,000*	58.0	369.5	21,400	155
160	52.5	357.6	16,700*	54.2	361.4	20,200*	56.6	366.3	20,300	160
165	51.0	353.6	16,000*	52.7	357.6	19,400*	55.1	362.9	19,200	165
170	49.4	349.4	15,300*	51.1	353.7	18,600*	53.7	359.2	18,200	170
175	47.8	344.9	14,700*	49.6	349.5	17,900*	52.2	355.4	17,300	175
180	46.2	340.2	14,100*	48.0	345.1	17,100*	50.6	351.4	16,400	180
185	44.5	335.2	13,500*	46.4	340.4	16,500*	49.1	347.1	15,500	185
190	42.7	329.9	13,000*	44.7	335.4	15,800*	47.4	342.6	14,700	190
195	40.9	324.2	12,500*	42.9	330.1	15,200*	45.8	337.8	14,000	195
200	39.1	318.2	12,000*	41.1	324.5	14,600*	44.1	332.8	13,300	200
205	37.1	311.8	11,600*	39.3	318.6	14,000*	42.3	327.4	12,600	205
210	35.1	304.8	11,200*	37.3	312.2	13,400	40.5	321.7	12,000	210
215	32.9	297.3	10,900*	35.3	305.3	12,800	38.6	315.5	11,300	215
220	30.6	289.2	10,500*	33.2	297.8	12,200	36.7	309.0	10,800	220
225	28.2	280.2	10,200*	30.9	289.8	11,600	34.6	301.9	10,200	225
230	25.5	270.2	9,800*	28.5	280.9	11,000	32.4	294.3	9,700	230
235	22.5	258.8	9,200*	25.8	271.0	10,400	30.1	286.0	9,100	235
240	19.1	245.4	8,600*	22.9	259.8	9,900	27.6	276.8	8,600	240
245	15.0	228.8	7,800*	19.6	246.7	9,400	24.9	266.5	8,200	245
250	9.1	204.8	6,100*	15.5	230.6	8,300*	21.8	254.7	7,700	250
255				10.0	207.9	6,700*	18.3	240.8	7,300	255
260							13.9	223.1	6,800	260
265							7.2	195.5	6,400	265

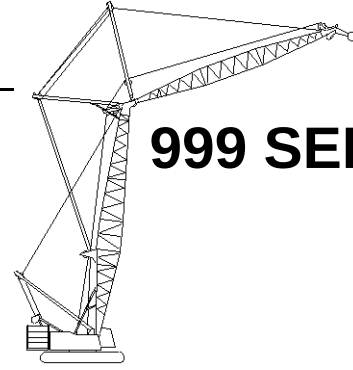


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 70 Ft. Jib

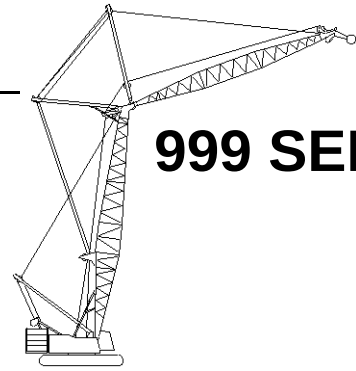
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.5	251.4	90,600*b																			45
50	63.5	249.0	87,200*b	68.2	251.4	107,700*b																50
55	59.4	246.2	85,300*	64.3	249.1	101,700*b																55
60	55.1	242.9	82,000*	60.2	246.3	96,200*b	67.3	249.9	92,700b													60
65	50.6	238.9	75,900*	55.9	243.1	88,300	63.3	247.5	83,600b													65
70	45.7	234.3	69,800*	51.4	239.3	80,300	59.2	244.7	76,000	66.4	247.9	71,700b										70
75	40.3	228.8	64,500*	46.6	234.8	73,500	54.9	241.3	69,600	62.4	245.4	65,600b										75
80	34.3	222.0	60,100*	41.4	229.5	67,700	50.3	237.4	64,100	58.2	242.5	60,400										80
85	27.1	213.2	56,600*	35.5	223.0	62,600	45.4	232.7	59,300	53.8	239.0	55,900										85
90	17.2	200.3	54,500*	28.5	214.7	58,200	40.1	227.1	55,000	49.2	234.9	51,900	61.9	241.7	46,600b							90
95				19.4	202.9	54,200	34.0	220.3	51,300	44.2	230.0	48,300	57.7	238.7	43,400							95
100							26.7	211.4	47,900	38.7	224.2	45,200	53.3	235.2	40,600							100
105							16.6	198.2	44,900	32.4	216.9	42,400	48.6	231.0	38,000							105
110										24.6	207.3	39,800	43.6	226.0	35,700	56.9	233.5	31,600				110
115										12.9	191.8	37,400	38.0	220.0	33,600	52.5	229.8	29,700				115
120													31.6	212.6	31,700	47.8	225.5	28,000				120
125													23.6	202.6	29,900	42.6	220.4	26,400				125
130													10.8	185.5	28,200	36.9	214.1	25,000	51.2	222.8	21,700	130
135																30.3	206.3	23,600	46.4	218.3	20,500	135
140																21.8	195.7	22,300	41.1	212.9	19,400	140
145																5.6	173.7	21,000	35.2	206.3	18,400	145
150																			28.2	197.9	17,400	150
155																			18.9	185.9	16,400	155

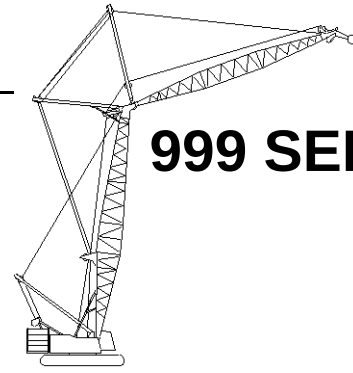


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 90 Ft. Jib

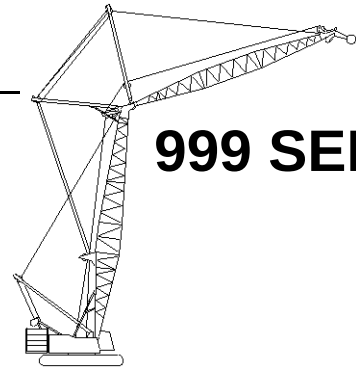
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	70.1	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	92,400b													60
65	55.7	251.6	73,200*	60.2	255.0	87,800*	66.5	258.6	83,300b													65
70	51.7	247.8	67,600*	56.4	251.8	80,100	63.0	256.2	75,700													70
75	47.4	243.4	62,300*	52.4	248.1	73,300	59.3	253.3	69,300	65.7	256.7	65,300b										75
80	42.9	238.3	57,700*	48.2	243.9	67,500	55.5	250.0	63,800	62.1	254.1	60,000										80
85	37.9	232.2	53,700*	43.8	238.9	62,400	51.5	246.2	59,000	58.4	251.2	55,500										85
90	32.2	224.9	50,300*	38.9	233.0	58,000	47.2	241.8	54,800	54.5	247.7	51,600										90
95	25.5	215.5	47,700*	33.3	226.0	54,100	42.7	236.7	51,100	50.5	243.8	48,100	61.7	250.4	43,000							95
100	16.1	201.7	46,200*	26.8	217.0	50,600	37.6	230.6	47,800	46.2	239.2	44,900	58.0	247.4	40,200							100
105				18.2	204.5	47,400	32.0	223.1	44,800	41.5	233.8	42,100	54.1	243.9	37,700							105
110							25.1	213.6	42,100	36.3	227.5	39,600	50.0	239.9	35,400							110
115							15.6	199.5	39,600	30.4	219.6	37,300	45.7	235.2	33,300	57.3	242.1	29,300				115
120										23.1	209.4	35,100	40.9	229.8	31,400	53.4	238.6	27,600				120
125										12.1	192.8	33,100	35.7	223.3	29,600	49.2	234.5	26,100				125
130													29.7	215.2	28,000	44.8	229.7	24,600				130
135													22.2	204.6	26,500	40.0	224.0	23,300	52.3	231.6	20,100	135
140													10.1	186.3	25,000	34.7	217.3	22,100	48.1	227.4	19,000	140
145																28.5	208.9	20,900	43.6	222.4	18,000	145
150																20.5	197.5	19,800	38.6	216.4	17,000	150
155																5.2	174.1	18,700	33.1	209.3	16,100	155
160																			26.5	200.3	15,300	160
165																			17.7	187.5	14,400	165



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.2	272.8	79,400*b																			45
50	69.1	271.0	76,700*b	72.7	272.7	93,700*b																50
55	66.0	268.8	74,100*	69.7	270.9	91,600*b																55
60	62.8	266.3	70,900*	66.6	268.8	88,900*																60
65	59.5	263.5	68,800*	63.4	266.4	84,100*	69.0	269.5	82,700b													65
70	56.1	260.3	65,200*	60.1	263.7	78,400*	65.9	267.4	75,200													70
75	52.6	256.6	60,400*	56.8	260.5	72,900*	62.7	264.9	68,800													75
80	48.8	252.4	56,000*	53.2	256.9	67,100	59.4	262.0	63,300	65.1	265.3	59,500										80
85	44.8	247.6	51,900*	49.5	252.8	62,100	56.0	258.8	58,500	61.9	262.8	55,000										85
90	40.6	242.0	48,400*	45.6	248.1	57,600	52.4	255.0	54,300	58.6	259.8	51,000										90
95	35.8	235.5	45,300*	41.4	242.7	53,700	48.6	250.8	50,600	55.1	256.5	47,500										95
100	30.5	227.6	42,700*	36.8	236.4	50,300	44.7	246.0	47,300	51.5	252.6	44,400	61.5	259.1	39,600							100
105	24.1	217.6	40,700*	31.5	228.8	47,100	40.3	240.4	44,400	47.7	248.3	41,600	58.2	256.1	37,000							105
110	15.3	203.0	39,600*	25.4	219.3	44,300	35.6	233.8	41,700	43.6	243.3	39,100	54.7	252.7	34,800							110
115				17.2	206.0	41,700	30.2	225.8	39,300	39.2	237.4	36,800	51.1	248.8	32,700							115
120							23.8	215.7	37,100	34.4	230.6	34,700	47.3	244.3	30,800	57.6	250.8	27,000				120
125							14.7	200.8	35,000	28.8	222.2	32,800	43.2	239.2	29,100	54.1	247.3	25,400				125
130										21.9	211.3	31,000	38.7	233.3	27,500	50.4	243.4	24,000				130
135										11.5	193.8	29,300	33.8	226.3	26,100	46.5	238.8	22,700				135
140													28.1	217.7	24,700	42.4	233.6	21,500				140
145													21.0	206.4	23,400	37.9	227.5	20,400	49.4	236.3	17,300	145
150													9.6	187.1	22,100	32.8	220.2	19,300	45.4	231.6	16,400	150
155																26.9	211.3	18,300	41.2	226.1	15,500	155
160																19.4	199.2	17,300	36.5	219.8	14,700	160
165																4.9	174.4	16,300	31.3	212.1	13,900	165
170																			25.1	202.5	13,200	170
175																			16.8	188.9	12,400	175

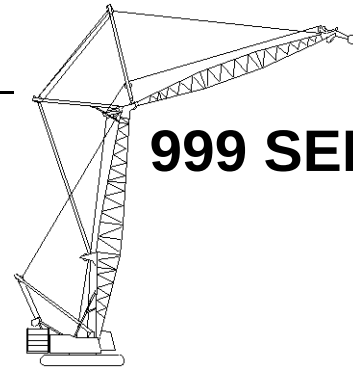


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 110 Ft. Jib

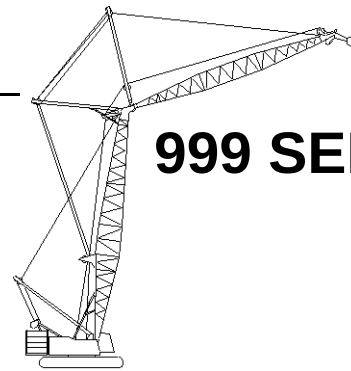
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	82,600													65
70	59.6	272.2	62,700*	63.1	275.1	75,700*	68.2	278.3	75,000													70
75	56.5	269.0	58,800*	60.1	272.3	70,800*	65.4	276.0	68,600													75
80	53.3	265.4	54,700*	57.1	269.2	66,100*	62.4	273.5	63,100	67.5	276.3	59,300										80
85	49.9	261.3	50,900*	53.9	265.7	61,600*	59.4	270.7	58,400	64.6	274.0	54,800										85
90	46.4	256.7	47,500*	50.5	261.7	57,300*	56.3	267.4	54,200	61.7	271.4	50,900										90
95	42.6	251.5	44,200*	47.0	257.2	53,400*	53.1	263.8	50,500	58.7	268.5	47,400										95
100	38.6	245.5	41,400*	43.3	252.1	49,900*	49.8	259.7	47,200	55.6	265.2	44,300										100
105	34.1	238.6	39,000*	39.3	246.3	46,700*	46.2	255.1	44,300	52.3	261.4	41,500	61.4	267.7	36,900							105
110	29.0	230.2	36,900*	35.0	239.5	43,600*	42.4	249.9	41,700	48.9	257.2	39,000	58.3	264.7	34,600							110
115	22.9	219.6	35,400*	30.0	231.5	41,100*	38.4	243.9	39,200	45.3	252.5	36,700	55.2	261.4	32,600							115
120	14.5	204.3	34,600*	24.2	221.4	39,100*	33.9	236.8	37,100	41.5	247.1	34,700	51.9	257.6	30,700							120
125				16.4	207.4	37,300	28.8	228.4	35,000	37.3	240.8	32,800	48.5	253.3	29,000	57.8	259.5	25,200				125
130							22.6	217.7	33,200	32.7	233.5	31,000	44.9	248.5	27,400	54.6	256.1	23,800				130
135							14.0	202.0	31,400	27.4	224.6	29,400	41.0	243.0	26,000	51.3	252.2	22,500				135
140										20.8	213.1	27,900	36.8	236.7	24,600	47.9	247.8	21,300				140
145										10.9	194.7	26,400	32.1	229.2	23,400	44.2	242.9	20,200				145
150													26.7	220.1	22,200	40.3	237.3	19,200	50.4	245.2	16,200	150
155													20.0	208.1	21,100	36.0	230.8	18,200	46.9	240.7	15,400	155
160													9.1	187.8	20,000	31.2	223.0	17,300	43.2	235.6	14,600	160
165																25.6	213.5	16,400	39.2	229.7	13,800	165
170																18.5	200.8	15,600	34.8	222.9	13,100	170
175																4.7	174.8	14,700	29.8	214.8	12,400	175
180																			23.9	204.6	11,700	180
185																			16.0	190.3	11,100	185



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	74,500													70
75	59.6	280.8	56,900*	62.9	283.8	68,100*	67.5	287.0	68,100													75
80	56.8	277.7	53,000*	60.1	281.0	63,900*	64.9	284.7	62,600													80
85	53.9	274.1	49,400*	57.3	277.9	59,800*	62.2	282.2	57,900	66.9	285.1	54,200										85
90	50.8	270.2	46,200*	54.4	274.4	55,900*	59.5	279.3	53,700	64.3	282.7	50,300										90
95	47.6	265.8	43,100*	51.4	270.5	52,200*	56.7	276.1	50,000	61.6	280.1	46,800										95
100	44.3	260.8	40,400*	48.2	266.2	48,700*	53.7	272.6	46,800	58.8	277.2	43,700										100
105	40.7	255.2	37,800*	44.9	261.4	45,600*	50.7	268.6	43,800	55.9	273.9	41,000										105
110	36.8	248.9	35,600*	41.4	255.9	42,800*	47.5	264.2	41,200	53.0	270.2	38,500	61.3	276.4	34,000							110
115	32.6	241.5	33,600*	37.6	249.7	40,000*	44.1	259.2	38,800	49.9	266.2	36,200	58.5	273.4	31,900							115
120	27.7	232.7	32,100*	33.4	242.6	37,700*	40.5	253.6	36,600	46.7	261.6	34,200	55.6	270.1	30,100							120
125	21.9	221.5	30,800*	28.7	234.0	35,700*	36.6	247.2	34,600	43.3	256.5	32,300	52.7	266.4	28,400							125
130	13.9	205.4	30,200*	23.1	223.4	34,100*	32.4	239.8	32,800	39.6	250.7	30,600	49.6	262.3	26,800	58.0	268.2	23,200				130
135				15.7	208.7	33,100*	27.5	230.9	31,100	35.6	244.1	29,000	46.3	257.7	25,400	55.1	264.8	21,900				135
140							21.6	219.6	29,500	31.2	236.3	27,500	42.9	252.5	24,100	52.1	261.0	20,700				140
145							13.4	203.1	28,000	26.2	227.0	26,100	39.2	246.6	22,800	49.0	256.8	19,600				145
150										19.9	214.8	24,800	35.2	239.9	21,700	45.7	252.1	18,600				150
155										10.4	195.6	23,500	30.7	232.0	20,600	42.2	246.8	17,600	51.3	254.1	14,700	155
160													25.5	222.4	19,600	38.5	240.8	16,700	48.1	249.7	13,900	160
165													19.1	209.8	18,600	34.4	233.9	15,900	44.8	244.9	13,200	165
170													8.7	188.6	17,600	29.8	225.7	15,100	41.2	239.4	12,500	170
175																24.5	215.7	14,300	37.4	233.1	11,800	175
180																17.7	202.3	13,600	33.2	225.9	11,200	180
185																4.4	175.1	12,800	28.5	217.3	10,600	185
190																			22.8	206.6	10,000	190
195																			15.2	191.6	9,400	195

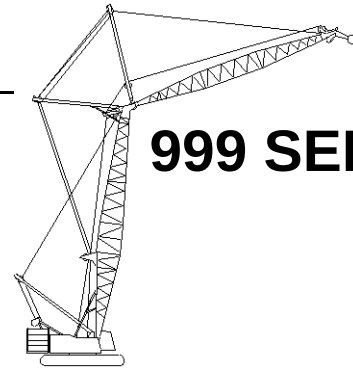


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 130 Ft. Jib

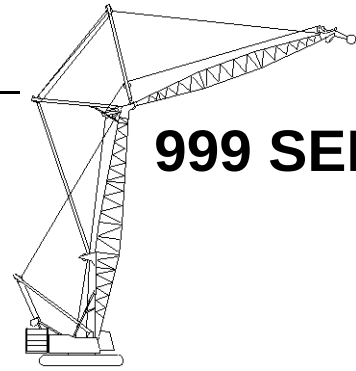
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	67,700													75
80	59.6	289.5	51,500*	62.6	292.4	61,700*	67.0	295.7	62,200													80
85	57.0	286.3	48,100*	60.1	289.6	58,100*	64.5	293.4	57,500													85
90	54.3	282.9	45,000*	57.5	286.6	54,500*	62.1	290.9	53,300	66.4	293.8	49,900										90
95	51.6	279.0	42,100*	54.9	283.1	51,100*	59.5	288.0	49,700	63.9	291.4	46,400										95
100	48.7	274.7	39,500*	52.1	279.4	47,800*	56.9	284.8	46,400	61.5	288.8	43,300										100
105	45.6	270.0	37,100*	49.2	275.2	44,800*	54.2	281.3	43,500	58.9	285.8	40,600										105
110	42.4	264.7	34,700*	46.2	270.5	42,000*	51.4	277.5	40,900	56.3	282.6	38,100										110
115	39.0	258.8	32,700*	43.0	265.4	39,500*	48.5	273.2	38,500	53.6	279.0	35,900	61.2	285.0	31,500							115
120	35.3	252.1	31,000*	39.7	259.6	37,100*	45.5	268.4	36,300	50.7	275.0	33,800	58.6	282.1	29,700							120
125	31.2	244.3	29,400*	36.0	253.0	34,900*	42.3	263.1	34,300	47.8	270.6	31,900	56.0	278.8	28,000							125
130	26.6	235.0	28,200*	32.0	245.4	33,000*	38.9	257.2	32,500	44.7	265.8	30,200	53.2	275.2	26,400							130
135	21.0	223.4	27,200*	27.5	236.5	31,400*	35.1	250.4	30,800	41.5	260.3	28,600	50.4	271.1	25,000							135
140	13.3	206.6	26,800*	22.1	225.4	30,200*	31.0	242.5	29,200	38.0	254.2	27,200	47.5	266.7	23,700	55.5	273.5	20,300				140
145				15.0	210.0	29,300*	26.4	233.2	27,800	34.2	247.2	25,800	44.4	261.8	22,500	52.7	269.8	19,200				145
150							20.7	221.4	26,400	30.0	239.0	24,500	41.1	256.2	21,300	49.9	265.7	18,200				150
155							12.8	204.2	25,100	25.1	229.2	23,300	37.6	250.0	20,200	46.9	261.2	17,200				155
160										19.1	216.5	22,200	33.7	242.9	19,200	43.8	256.2	16,300	52.0	262.9	13,500	160
165										10.0	196.4	21,100	29.5	234.6	18,300	40.5	250.5	15,500	49.1	258.7	12,700	165
170													24.5	224.5	17,400	36.9	244.1	14,700	46.1	254.0	12,000	170
175													18.3	211.4	16,500	33.0	236.8	13,900	42.9	248.8	11,400	175
180													8.3	189.2	15,700	28.6	228.3	13,200	39.5	243.0	10,800	180
185																23.5	217.8	12,600	35.9	236.4	10,200	185
190																16.9	203.8	11,900	31.8	228.8	9,600	190
195																4.2	175.4	11,200	27.3	219.7	9,100	195
200																			21.9	208.5	8,500	200
205																			14.6	192.8	8,000	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	61,700													80
85	59.7	298.2	46,700*	62.5	301.1	56,000*	66.5	304.5	57,000													85
90	57.3	295.0	43,800*	60.1	298.3	52,800*	64.2	302.1	52,800													90
95	54.8	291.6	41,000*	57.7	295.2	49,700*	61.9	299.5	49,200	65.9	302.5	45,900										95
100	52.2	287.8	38,500*	55.2	291.9	46,700*	59.6	296.7	45,900	63.7	300.1	42,800										100
105	49.5	283.7	36,100*	52.7	288.1	43,900*	57.1	293.5	43,000	61.3	297.4	40,000										105
110	46.8	279.1	34,100*	50.0	284.1	41,200*	54.7	290.1	40,400	59.0	294.5	37,600										110
115	43.9	274.1	32,100*	47.3	279.6	38,700*	52.1	286.3	38,000	56.5	291.3	35,300										115
120	40.8	268.5	30,200*	44.4	274.6	36,400*	49.4	282.1	35,800	54.0	287.7	33,300	61.1	293.7	29,100							120
125	37.5	262.2	28,600*	41.4	269.2	34,400*	46.6	277.5	33,900	51.4	283.9	31,400	58.7	290.7	27,400							125
130	34.0	255.1	27,100*	38.1	263.0	32,500*	43.7	272.5	32,000	48.8	279.6	29,700	56.3	287.5	25,800							130
135	30.1	247.0	25,900*	34.7	256.1	30,600*	40.7	266.8	30,400	46.0	274.9	28,100	53.7	283.9	24,400							135
140	25.6	237.3	24,900*	30.8	248.2	29,100*	37.4	260.6	28,800	43.0	269.7	26,700	51.1	280.0	23,100							140
145	20.2	225.1	24,100*	26.5	238.8	27,800*	33.8	253.4	27,400	39.9	264.0	25,300	48.4	275.7	21,900	55.8	282.2	18,600				145
150	12.8	207.7	23,800*	21.3	227.3	26,700*	29.9	245.2	26,000	36.5	257.5	24,000	45.6	270.9	20,800	53.3	278.6	17,500				150
155				14.4	211.3	26,100*	25.4	235.4	24,800	32.9	250.1	22,900	42.7	265.7	19,700	50.7	274.6	16,600				155
160							19.9	223.1	23,600	28.8	241.6	21,800	39.5	259.9	18,700	47.9	270.2	15,700				160
165							12.3	205.2	22,400	24.2	231.3	20,700	36.1	253.3	17,800	45.1	265.4	14,900	52.6	271.7	12,100	165
170										18.4	218.1	19,700	32.5	245.8	16,900	42.1	260.0	14,100	49.9	267.6	11,400	170
175										9.6	197.2	18,700	28.3	237.1	16,100	38.9	254.1	13,400	47.2	263.1	10,700	175
180													23.6	226.6	15,300	35.5	247.4	12,700	44.3	258.1	10,100	180
185													17.6	212.9	14,500	31.7	239.7	12,000	41.2	252.6	9,600	185
190													8.0	189.9	13,800	27.5	230.7	11,400	38.0	246.5	9,000	190
195																22.6	219.7	10,800	34.5	239.5	8,500	195
200																16.3	205.2	10,200	30.6	231.5	8,000	200
205																4.0	175.7	9,600	26.3	222.1	7,500	205
210																			21.1	210.4	7,000	210
215																			14.1	194.0	6,600	215

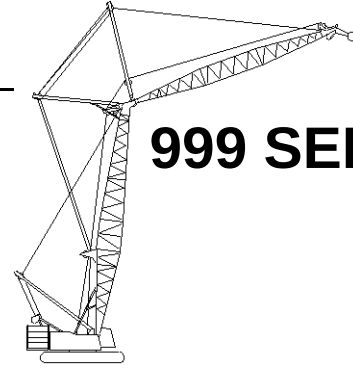


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



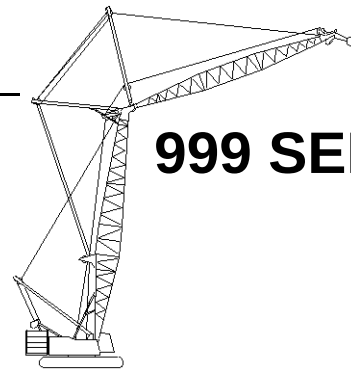
170 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	
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	56,800													85
90	59.7	306.8	42,500*	62.3	309.8	51,000*	66.1	313.2	52,700													90
95	57.4	303.7	40,000*	60.1	307.0	48,300*	63.9	310.8	49,000	67.6	313.4	45,700										95
100	55.1	300.3	37,600*	57.9	303.9	45,600*	61.8	308.2	45,700	65.5	311.2	42,600										100
105	52.8	296.6	35,400*	55.6	300.6	43,000*	59.6	305.3	42,800	63.4	308.8	39,800										105
110	50.3	292.5	33,300*	53.2	296.9	40,500*	57.3	302.2	40,200	61.3	306.1	37,400										110
115	47.7	288.1	31,400*	50.8	292.9	38,100*	55.0	298.8	37,800	59.0	303.1	35,100										115
120	45.1	283.3	29,700*	48.2	288.6	35,900*	52.6	295.1	35,700	56.8	300.0	33,100										120
125	42.3	278.0	28,100*	45.6	283.8	33,800*	50.2	291.0	33,700	54.4	296.5	31,200	61.0	302.4	27,200							125
130	39.3	272.1	26,500*	42.8	278.6	31,900*	47.6	286.6	31,900	52.1	292.7	29,500	58.8	299.4	25,700							130
135	36.2	265.5	25,200*	39.9	272.8	30,300*	45.0	281.7	30,200	49.6	288.5	28,000	56.5	296.2	24,200							135
140	32.8	258.1	24,000*	36.8	266.4	28,700*	42.2	276.3	28,700	47.0	284.0	26,500	54.2	292.7	22,900							140
145	29.0	249.6	23,000*	33.4	259.1	27,100*	39.2	270.4	27,200	44.3	279.0	25,200	51.8	288.8	21,700							145
150	24.7	239.5	22,200*	29.7	250.8	25,900*	36.0	263.8	25,900	41.5	273.5	23,900	49.3	284.6	20,600	56.1	290.9	17,400				150
155	19.5	226.8	21,600*	25.5	241.1	24,800*	32.6	256.4	24,600	38.5	267.5	22,700	46.7	280.0	19,500	53.7	287.3	16,400				155
160	12.3	208.7	21,300*	20.6	229.1	23,900*	28.8	247.8	23,500	35.2	260.7	21,600	44.0	275.0	18,600	51.3	283.4	15,500				160
165				13.9	212.4	23,400*	24.5	237.6	22,400	31.7	253.0	20,600	41.1	269.5	17,600	48.8	279.2	14,700				165
170							19.2	224.8	21,300	27.8	244.0	19,600	38.1	263.3	16,800	46.2	274.5	13,900				170
175							11.9	206.2	20,300	23.3	233.4	18,700	34.9	256.4	15,900	43.5	269.4	13,200	50.6	276.4	10,600	175
180										17.7	219.6	17,800	31.3	248.6	15,200	40.6	263.8	12,500	48.1	272.1	10,000	180
185										9.2	198.0	16,900	27.3	239.5	14,400	37.5	257.5	11,900	45.5	267.3	9,400	185
190													22.8	228.6	13,700	34.2	250.4	11,300	42.7	262.0	8,800	190
195													17.0	214.4	13,000	30.6	242.4	10,700	39.8	256.2	8,300	195
200													7.7	190.5	12,300	26.6	233.1	10,100	36.6	249.8	7,800	200
205																21.8	221.7	9,600	33.3	242.5	7,400	205
210																15.7	206.5	9,000	29.6	234.1	6,900	210
215																3.9	176.0	8,400	25.3	224.3	6,500	215
220																			20.3	212.1	6,000	220
225																			13.6	195.2	5,600	225

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	332.4	48,800*																55
60	73.4	331.0	47,800*																60
65	71.6	329.4	46,800*	73.8	330.9	56,100*													65
70	69.7	327.5	45,800*	71.9	329.3	55,700*													70
75	67.7	325.6	44,800*	70.0	327.5	55,000*													75
80	65.8	323.4	43,800*	68.1	325.5	54,100*													80
85	63.8	321.0	42,900*	66.1	323.4	51,800*	69.6	326.1	54,600*										85
90	61.8	318.3	41,500*	64.2	321.0	49,300*	67.6	324.1	52,100										90
95	59.7	315.5	39,100*	62.1	318.4	46,900*	65.7	321.9	48,500										95
100	57.6	312.4	36,900*	60.1	315.6	44,500*	63.7	319.5	45,200	67.2	322.1	42,000							100
105	55.4	309.0	34,800*	58.0	312.6	42,100*	61.7	316.8	42,300	65.2	319.9	39,300							105
110	53.2	305.4	32,800*	55.8	309.3	39,800*	59.6	314.0	39,700	63.2	317.4	36,800							110
115	50.9	301.4	31,000*	53.6	305.7	37,600*	57.5	310.9	37,400	61.2	314.7	34,600							115
120	48.6	297.1	29,200*	51.4	301.8	35,500*	55.3	307.5	35,200	59.1	311.8	32,600							120
125	46.1	292.4	27,700*	49.0	297.5	33,600*	53.1	303.8	33,200	57.0	308.6	30,700	63.0	313.7	26,600				125
130	43.6	287.3	26,200*	46.6	292.9	31,700*	50.8	299.8	31,400	54.8	305.2	29,000	60.9	311.0	25,100				130
135	40.9	281.7	24,900*	44.0	287.9	30,000*	48.5	295.5	29,800	52.6	301.5	27,500	58.9	308.1	23,700				135
140	38.0	275.5	23,600*	41.4	282.4	28,400*	46.0	290.8	28,200	50.3	297.4	26,000	56.7	304.9	22,400				140
145	35.0	268.7	22,500*	38.6	276.3	27,000*	43.4	285.7	26,800	47.9	293.0	24,700	54.6	301.4	21,200				145
150	31.7	260.9	21,500*	35.6	269.6	25,700*	40.8	280.1	25,500	45.4	288.2	23,400	52.3	297.6	20,000				150
155	28.0	252.1	20,600*	32.3	262.0	24,400*	37.9	273.9	24,200	42.8	283.0	22,200	50.0	293.5	19,000	56.3	299.6	15,800	155
160	23.9	241.6	20,000*	28.8	253.4	23,300*	34.8	267.0	23,100	40.1	277.2	21,200	47.6	289.1	18,000	54.2	296.1	14,900	160
165	18.9	228.5	19,500*	24.7	243.3	22,400*	31.5	259.2	22,000	37.2	270.8	20,100	45.1	284.2	17,100	51.9	292.2	14,100	165
170	11.9	209.7	19,300*	19.9	230.8	21,700*	27.9	250.3	20,900	34.1	263.7	19,200	42.5	278.9	16,200	49.6	288.1	13,400	170
175				13.5	213.6	21,300*	23.7	239.7	20,000	30.7	255.7	18,300	39.8	273.1	15,400	47.2	283.6	12,600	175
180							18.6	226.4	19,000	26.9	246.4	17,400	36.8	266.7	14,700	44.6	278.6	12,000	180
185							11.5	207.2	18,100	22.5	235.3	16,600	33.7	259.5	13,900	42.0	273.3	11,300	185
190										17.2	221.1	15,800	30.3	251.3	13,200	39.2	267.3	10,700	190
195										8.9	198.7	15,000	26.4	241.9	12,600	36.3	260.8	10,100	195
200													22.0	230.5	12,000	33.1	253.4	9,600	200
205													16.4	215.8	11,300	29.6	245.1	9,000	205
210													7.4	191.2	10,700	25.7	235.3	8,500	210
215																21.1	223.5	8,000	215
220																15.2	207.8	7,600	220
225																3.7	176.3	7,000	225

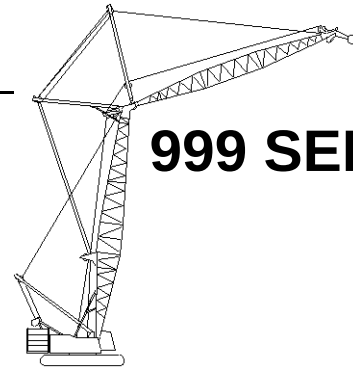


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



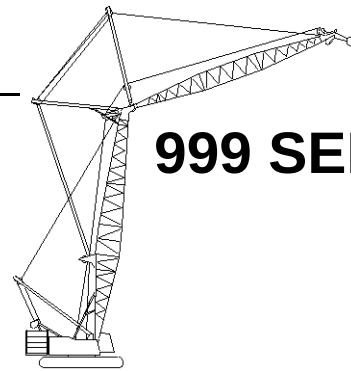
170 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 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	
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	48,100										95
100	59.7	324.1	35,900*	62.0	327.1	43,000*	65.4	330.6	44,900										100
105	57.7	321.0	33,900*	60.1	324.3	40,900*	63.5	328.2	42,000	66.8	330.9	38,900							105
110	55.7	317.7	32,100*	58.1	321.2	38,800*	61.6	325.5	39,300	64.9	328.6	36,400							110
115	53.6	314.1	30,300*	56.1	318.0	36,800*	59.6	322.6	37,000	63.0	326.1	34,200							115
120	51.5	310.2	28,700*	54.0	314.4	34,900*	57.7	319.5	34,800	61.1	323.4	32,200							120
125	49.3	306.0	27,200*	51.9	310.6	33,000*	55.6	316.2	32,900	59.2	320.5	30,300							125
130	47.0	301.5	25,700*	49.7	306.4	31,300*	53.5	312.6	31,100	57.2	317.3	28,600	62.8	322.4	24,600				130
135	44.7	296.6	24,500*	47.5	302.0	29,600*	51.4	308.7	29,400	55.1	313.9	27,100	60.9	319.7	23,200				135
140	42.2	291.2	23,200*	45.1	297.1	28,100*	49.2	304.5	27,900	53.0	310.2	25,600	58.9	316.7	21,900				140
145	39.6	285.3	22,100*	42.7	291.8	26,600*	46.9	299.9	26,400	50.9	306.3	24,300	56.9	313.5	20,700				145
150	36.8	278.9	21,000*	40.1	286.1	25,300*	44.6	295.0	25,100	48.7	302.0	23,000	54.9	310.1	19,600				150
155	33.9	271.7	20,100*	37.4	279.7	24,100*	42.1	289.6	23,900	46.4	297.3	21,900	52.8	306.4	18,600				155
160	30.7	263.7	19,300*	34.5	272.7	23,000*	39.5	283.7	22,700	44.0	292.3	20,800	50.6	302.4	17,600	56.6	308.3	14,500	160
165	27.2	254.5	18,600*	31.3	264.8	21,900*	36.7	277.2	21,600	41.5	286.8	19,800	48.4	298.1	16,700	54.5	304.8	13,700	165
170	23.2	243.6	18,000*	27.9	255.9	21,000*	33.8	270.0	20,600	38.8	280.7	18,800	46.1	293.4	15,800	52.4	301.0	12,900	170
175	18.3	230.1	17,600*	23.9	245.4	20,300*	30.6	261.9	19,700	36.0	274.1	17,900	43.7	288.3	15,000	50.2	297.0	12,200	175
180	11.5	210.7	17,500*	19.3	232.5	19,700*	27.0	252.7	18,700	33.0	266.7	17,100	41.2	282.7	14,300	48.0	292.6	11,500	180
185				13.1	214.7	19,300*	22.9	241.7	17,900	29.7	258.4	16,300	38.5	276.6	13,600	45.7	287.8	10,900	185
190							18.0	228.0	17,000	26.1	248.7	15,500	35.7	269.9	12,900	43.2	282.6	10,300	190
195							11.1	208.2	16,200	21.9	237.3	14,800	32.7	262.4	12,200	40.7	277.0	9,700	195
200										16.6	222.6	14,000	29.3	253.9	11,600	38.0	270.8	9,200	200
205										8.6	199.4	13,300	25.6	244.2	11,000	35.2	263.9	8,700	205
210													21.3	232.4	10,400	32.1	256.3	8,200	210
215													15.9	217.2	9,900	28.7	247.6	7,700	215
220													7.2	191.8	9,300	24.9	237.5	7,200	220
225																20.4	225.3	6,800	225
230																14.7	209.1	6,300	230
235																3.6	176.6	5,900	235

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.3	351.8	41,400*													60
65	73.7	350.4	40,700*													65
70	72.0	348.8	40,000*	74.0	350.2	47,400*										70
75	70.3	347.0	39,200*	72.3	348.7	47,100*										75
80	68.6	345.1	38,000*	70.6	347.0	46,800*										80
85	66.9	343.0	37,700*	68.9	345.1	46,600*										85
90	65.1	340.8	37,000*	67.2	343.0	45,000*	70.2	345.6	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	44,400							100
105	59.7	332.8	32,900*	61.9	335.8	39,500*	65.1	339.3	41,500							105
110	57.9	329.7	31,200*	60.1	333.0	37,600*	63.3	336.8	38,900	66.4	339.6	35,900				110
115	56.0	326.4	29,600*	58.2	329.9	35,800*	61.5	334.2	36,500	64.6	337.3	33,700				115
120	54.0	322.9	28,000*	56.3	326.7	34,000*	59.7	331.3	34,300	62.9	334.8	31,600				120
125	52.0	319.0	26,600*	54.4	323.1	32,300*	57.8	328.2	32,400	61.0	332.1	29,800				125
130	49.9	314.9	25,200*	52.4	319.4	30,600*	55.9	324.9	30,600	59.2	329.1	28,100				130
135	47.8	310.5	23,900*	50.3	315.3	29,100*	53.9	321.3	28,900	57.3	326.0	26,500	62.7	331.1	22,600	135
140	45.6	305.7	22,700*	48.2	310.9	27,600*	51.9	317.5	27,400	55.4	322.6	25,100	60.8	328.3	21,400	140
145	43.3	300.5	21,700*	46.0	306.2	26,200*	49.9	313.4	26,000	53.4	319.0	23,800	59.0	325.4	20,200	145
150	40.9	294.9	20,600*	43.8	301.1	24,900*	47.7	308.9	24,600	51.4	315.1	22,500	57.1	322.2	19,100	150
155	38.4	288.8	19,700*	41.4	295.6	23,700*	45.5	304.1	23,400	49.3	310.9	21,400	55.2	318.8	18,000	155
160	35.8	282.1	18,800*	38.9	289.6	22,600*	43.2	298.9	22,300	47.2	306.4	20,300	53.2	315.2	17,100	160
165	32.9	274.7	18,000*	36.3	283.0	21,600*	40.8	293.3	21,200	45.0	301.5	19,300	51.2	311.2	16,200	165
170	29.8	266.3	17,300*	33.5	275.7	20,700*	38.3	287.2	20,200	42.7	296.2	18,300	49.1	307.0	15,300	170
175	26.4	256.8	16,700*	30.4	267.6	19,700*	35.6	280.4	19,200	40.2	290.4	17,400	46.9	302.4	14,500	175
180	22.5	245.6	16,300*	27.1	258.3	19,000*	32.8	273.0	18,300	37.7	284.2	16,600	44.7	297.5	13,700	180
185	17.8	231.6	16,000*	23.2	247.4	18,300*	29.7	264.6	17,500	35.0	277.3	15,800	42.4	292.2	13,000	185
190	11.2	211.7	15,900*	18.7	234.1	17,800*	26.2	255.0	16,700	32.0	269.6	15,000	39.9	286.4	12,400	190
195				12.7	215.8	17,400	22.3	243.7	15,900	28.9	260.9	14,300	37.4	280.0	11,700	195
200							17.5	229.5	15,100	25.3	251.0	13,600	34.6	273.0	11,100	200
205							10.8	209.1	14,400	21.2	239.1	13,000	31.7	265.3	10,500	205
210										16.1	224.0	12,300	28.5	256.5	10,000	210
215										8.4	200.2	11,700	24.9	246.4	9,400	215
220													20.7	234.2	8,900	220
225													15.5	218.5	8,400	225
230													7.0	192.3	7,900	230

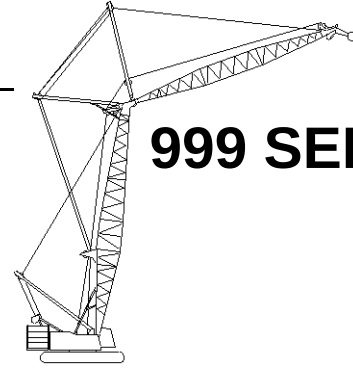


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



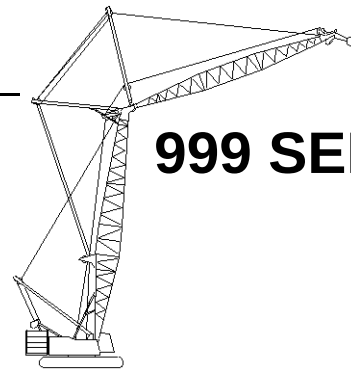
170 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.6	360.8	37,900*													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	41,200*							105
110	59.8	341.5	30,300*	61.8	344.4	36,300*	64.8	348.0	38,600*	67.7	350.5	35,700				110
115	58.0	338.4	28,800*	60.1	341.6	34,700*	63.1	345.5	36,300	66.1	348.3	33,400				115
120	56.2	335.1	27,400*	58.3	338.6	33,100*	61.4	342.8	34,100	64.4	346.0	31,400				120
125	54.3	331.6	26,000*	56.5	335.3	31,500*	59.7	340.0	32,200	62.7	343.4	29,600				125
130	52.5	327.8	24,700*	54.7	331.9	30,000*	57.9	336.9	30,400	61.0	340.7	27,900				130
135	50.5	323.8	23,500*	52.8	328.1	28,500*	56.1	333.6	28,700	59.2	337.8	26,300				135
140	48.5	319.5	22,300*	50.9	324.2	27,100*	54.3	330.1	27,200	57.5	334.7	24,900	62.5	339.7	21,100	140
145	46.5	314.8	21,200*	48.9	319.9	25,800*	52.4	326.3	25,800	55.7	331.3	23,600	60.8	337.0	19,900	145
150	44.3	309.8	20,200*	46.8	315.3	24,600*	50.4	322.2	24,400	53.8	327.7	22,300	59.0	334.1	18,800	150
155	42.1	304.4	19,300*	44.7	310.4	23,400*	48.4	317.9	23,200	51.9	323.9	21,200	57.3	330.9	17,800	155
160	39.8	298.6	18,500*	42.5	305.1	22,300*	46.4	313.2	22,100	49.9	319.8	20,100	55.4	327.5	16,800	160
165	37.4	292.2	17,700*	40.2	299.3	21,200*	44.2	308.2	21,000	47.9	315.4	19,100	53.6	323.9	15,900	165
170	34.8	285.3	16,900*	37.8	293.0	20,300*	42.0	302.8	20,000	45.9	310.6	18,100	51.7	320.0	15,100	170
175	32.0	277.6	16,200*	35.3	286.2	19,500*	39.7	296.9	19,000	43.7	305.5	17,200	49.7	315.9	14,300	175
180	29.0	268.9	15,700*	32.5	278.6	18,700*	37.2	290.6	18,100	41.5	300.0	16,400	47.7	311.4	13,500	180
185	25.7	259.1	15,200*	29.6	270.2	17,900*	34.6	283.6	17,300	39.1	294.0	15,600	45.6	306.7	12,800	185
190	21.9	247.5	14,800*	26.3	260.6	17,200*	31.9	275.8	16,500	36.6	287.5	14,800	43.4	301.5	12,200	190
195	17.3	233.1	14,600*	22.6	249.4	16,700*	28.8	267.1	15,700	34.0	280.3	14,100	41.2	295.9	11,500	195
200	10.9	212.6	14,500*	18.2	235.7	16,300*	25.5	257.2	15,000	31.2	272.4	13,400	38.8	289.9	10,900	200
205				12.3	216.9	15,700	21.7	245.6	14,300	28.1	263.4	12,800	36.3	283.3	10,300	205
210							17.0	231.0	13,600	24.6	253.2	12,200	33.7	276.1	9,800	210
215							10.5	210.0	13,000	20.6	240.9	11,600	30.8	268.0	9,300	215
220										15.7	225.3	11,000	27.7	258.9	8,700	220
225										8.2	200.8	10,400	24.2	248.5	8,300	225
230													20.1	236.0	7,800	230
235													15.0	219.8	7,300	235
240													6.8	192.9	6,900	240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 200 Ft. Jib

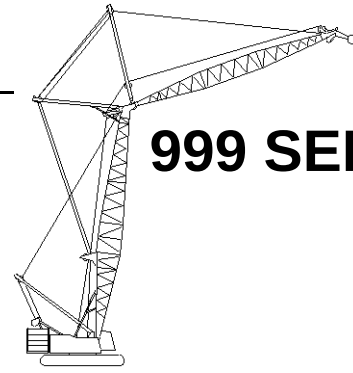
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.4	371.1	35,000*													65
70	73.9	369.7	34,600*													70
75	72.4	368.2	34,100*													75
80	70.9	366.5	33,500*	72.6	368.1	39,700*										80
85	69.3	364.6	32,900*	71.1	366.4	39,400*										85
90	67.8	362.6	32,400*	69.6	364.6	39,200*										90
95	66.2	360.5	31,800*	68.1	362.6	38,900*	70.8	365.0	38,200*							95
100	64.6	358.1	31,300*	66.5	360.5	37,700*	69.3	363.2	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	35,800	67.3	359.2	32,900				115
120	58.1	347.1	26,600*	60.1	350.3	32,000*	63.0	354.2	33,600	65.8	357.0	30,900				120
125	56.4	343.8	25,300*	58.4	347.3	30,600*	61.3	351.5	31,700	64.2	354.7	29,000				125
130	54.6	340.3	24,100*	56.7	344.0	29,200*	59.7	348.6	29,900	62.6	352.1	27,400				130
135	52.8	336.6	22,900*	55.0	340.6	27,900*	58.0	345.6	28,200	60.9	349.4	25,800				135
140	51.0	332.6	21,800*	53.2	336.9	26,600*	56.3	342.3	26,700	59.3	346.5	24,400				140
145	49.1	328.4	20,800*	51.4	333.0	25,300*	54.6	338.8	25,300	57.6	343.3	23,100	62.4	348.4	19,400	145
150	47.2	323.9	19,800*	49.5	328.8	24,100*	52.8	335.1	24,000	55.9	340.0	21,800	60.8	345.7	18,300	150
155	45.2	319.0	18,900*	47.6	324.3	23,000*	50.9	331.1	22,800	54.1	336.5	20,700	59.1	342.7	17,200	155
160	43.1	313.8	18,000*	45.6	319.5	21,900*	49.1	326.8	21,600	52.3	332.7	19,600	57.4	339.6	16,300	160
165	41.0	308.2	17,300*	43.5	314.4	20,900*	47.1	322.3	20,500	50.5	328.6	18,600	55.7	336.2	15,400	165
170	38.7	302.1	16,500*	41.4	308.9	20,000*	45.1	317.4	19,500	48.6	324.3	17,600	53.9	332.7	14,500	170
175	36.4	295.5	15,900*	39.2	302.9	19,100*	43.0	312.2	18,600	46.6	319.7	16,800	52.1	328.8	13,700	175
180	33.9	288.3	15,200*	36.8	296.4	18,300*	40.9	306.5	17,700	44.6	314.7	15,900	50.3	324.8	13,000	180
185	31.2	280.3	14,700*	34.3	289.3	17,600*	38.6	300.5	16,800	42.5	309.4	15,100	48.4	320.4	12,300	185
190	28.2	271.4	14,200*	31.7	281.5	16,900*	36.3	293.8	16,000	40.3	303.7	14,400	46.4	315.8	11,600	190
195	25.0	261.3	13,800*	28.8	272.8	16,200*	33.7	286.6	15,300	38.1	297.5	13,700	44.4	310.8	11,000	195
200	21.3	249.4	13,500*	25.6	262.9	15,700*	31.0	278.6	14,600	35.7	290.7	13,000	42.3	305.4	10,400	200
205	16.8	234.6	13,300*	22.0	251.4	15,300*	28.1	269.6	13,900	33.1	283.3	12,400	40.1	299.6	9,800	205
210	10.6	213.5	13,100*	17.7	237.2	14,700	24.8	259.4	13,200	30.3	275.1	11,700	37.8	293.3	9,300	210
215				12.0	217.9	14,000	21.1	247.4	12,600	27.3	265.9	11,200	35.4	286.5	8,800	215
220							16.6	232.5	12,000	24.0	255.3	10,600	32.8	279.0	8,300	220
225							10.2	210.9	11,400	20.1	242.7	10,000	30.0	270.7	7,800	225
230										15.3	226.7	9,500	27.0	261.3	7,300	230
235										7.9	201.5	9,000	23.6	250.6	6,900	235
240													19.6	237.7	6,500	240
245													14.6	221.1	6,000	245
250													6.6	193.4	5,600	250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

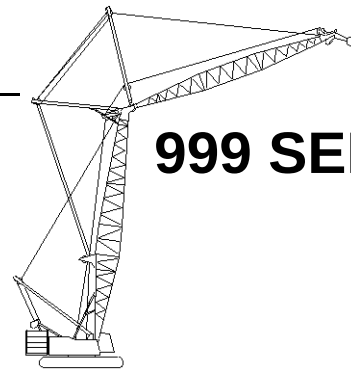
170 Ft. Boom, 210 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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	33,300	67.0	368.0	30,500	120
125	58.2	355.7	24,600*	60.1	358.9	29,600*	62.8	362.8	31,300	65.5	365.7	28,600	125
130	56.6	352.5	23,500*	58.5	355.9	28,400*	61.3	360.2	29,500	64.0	363.3	27,000	130
135	54.9	349.0	22,400*	56.9	352.7	27,200*	59.7	357.3	27,900	62.5	360.8	25,400	135
140	53.2	345.4	21,400*	55.2	349.3	26,000*	58.1	354.2	26,300	60.9	358.0	24,000	140
145	51.5	341.4	20,400*	53.5	345.7	24,800*	56.5	351.0	24,900	59.3	355.1	22,700	145
150	49.7	337.3	19,400*	51.8	341.8	23,700*	54.8	347.5	23,600	57.7	352.0	21,400	150
155	47.9	332.9	18,600*	50.0	337.7	22,600*	53.1	343.8	22,400	56.1	348.7	20,300	155
160	46.0	328.1	17,700*	48.2	333.3	21,600*	51.4	339.9	21,200	54.4	345.2	19,200	160
165	44.1	323.1	16,900*	46.3	328.6	20,600*	49.6	335.7	20,200	52.7	341.5	18,200	165
170	42.0	317.6	16,200*	44.4	323.6	19,700*	47.8	331.3	19,200	51.0	337.5	17,300	170
175	39.9	311.8	15,600*	42.4	318.3	18,900*	45.9	326.5	18,200	49.2	333.2	16,400	175
180	37.8	305.5	15,000*	40.3	312.5	18,100*	44.0	321.5	17,300	47.3	328.7	15,500	180
185	35.5	298.7	14,400*	38.2	306.3	17,300*	41.9	316.0	16,500	45.4	323.9	14,800	185
190	33.0	291.3	13,800*	35.9	299.6	16,600*	39.9	310.2	15,700	43.5	318.7	14,000	190
195	30.4	283.1	13,300*	33.5	292.3	16,000*	37.7	303.9	14,900	41.4	313.2	13,300	195
200	27.5	273.9	12,900*	30.9	284.2	15,500*	35.3	297.0	14,200	39.3	307.3	12,600	200
205	24.4	263.5	12,600*	28.1	275.3	14,900*	32.9	289.6	13,500	37.1	300.8	12,000	205
210	20.8	251.2	12,300*	25.0	265.1	14,400*	30.3	281.3	12,900	34.8	293.8	11,400	210
215	16.4	236.0	12,200*	21.5	253.3	13,700	27.4	272.1	12,300	32.3	286.2	10,800	215
220	10.3	214.4	11,300*	17.3	238.8	13,100	24.2	261.6	11,700	29.6	277.7	10,200	220
225				11.7	218.9	12,100*	20.6	249.2	11,100	26.7	268.2	9,700	225
230							16.2	233.9	10,500	23.4	257.3	9,200	230
235							10.0	211.7	10,000	19.6	244.4	8,700	235
240										14.9	228.0	8,200	240
245										7.7	202.2	7,700	245

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 220 Ft. Jib

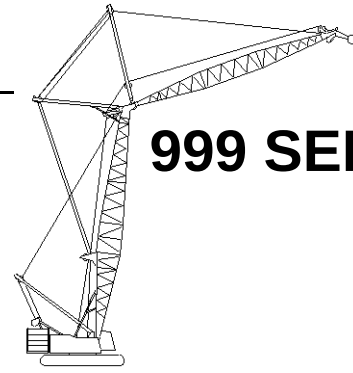
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.4	390.5	29,500*										70
75	74.0	389.1	29,300*										75
80	72.7	387.6	29,000*										80
85	71.3	385.9	28,600*	72.9	387.5	33,300*							85
90	69.9	384.1	28,200*	71.5	385.8	33,100*							90
95	68.5	382.2	27,700*	70.2	384.1	32,900*							95
100	67.1	380.1	27,300*	68.8	382.2	32,600*							100
105	65.7	377.9	26,900*	67.4	380.1	32,400*	69.8	382.7	31,800*				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	28,100	125
130	58.3	364.4	22,800*	60.1	367.6	27,400*	62.7	371.5	29,000	65.3	374.4	26,400	130
135	56.7	361.2	21,800*	58.5	364.6	26,300*	61.2	368.8	27,400	63.8	372.0	24,900	135
140	55.1	357.7	20,800*	57.0	361.4	25,200*	59.7	365.9	25,900	62.3	369.4	23,500	140
145	53.5	354.1	19,900*	55.4	358.0	24,100*	58.2	362.9	24,400	60.9	366.7	22,100	145
150	51.9	350.3	19,000*	53.8	354.4	23,100*	56.6	359.7	23,100	59.4	363.8	20,900	150
155	50.2	346.2	18,100*	52.2	350.6	22,100*	55.1	356.2	21,900	57.8	360.7	19,800	155
160	48.5	341.8	17,300*	50.5	346.5	21,200*	53.5	352.6	20,800	56.3	357.4	18,700	160
165	46.7	337.2	16,600*	48.8	342.3	20,200*	51.8	348.7	19,700	54.7	353.9	17,700	165
170	44.9	332.3	15,900*	47.0	337.7	19,400*	50.1	344.6	18,700	53.1	350.2	16,800	170
175	43.0	327.0	15,200*	45.2	332.8	18,500*	48.4	340.3	17,800	51.4	346.3	15,900	175
180	41.0	321.4	14,600*	43.3	327.6	17,800*	46.6	335.6	16,900	49.7	342.1	15,100	180
185	39.0	315.4	14,000*	41.4	322.1	17,000*	44.8	330.7	16,000	48.0	337.7	14,300	185
190	36.9	308.9	13,500*	39.4	316.1	16,300*	42.9	325.4	15,200	46.2	333.0	13,500	190
195	34.6	301.8	13,000*	37.3	309.7	15,700*	40.9	319.8	14,500	44.3	328.0	12,800	195
200	32.2	294.2	12,500*	35.0	302.8	15,100*	38.9	313.7	13,800	42.4	322.6	12,200	200
205	29.7	285.7	12,100*	32.7	295.2	14,500*	36.7	307.2	13,100	40.4	316.9	11,500	205
210	26.9	276.3	11,800*	30.1	286.9	14,000	34.5	300.1	12,500	38.4	310.8	10,900	210
215	23.8	265.6	11,500*	27.4	277.7	13,300	32.1	292.4	11,800	36.2	304.1	10,300	215
220	20.3	253.0	11,300*	24.4	267.3	12,700	29.5	283.9	11,300	33.9	296.9	9,800	220
225	16.0	237.4	10,900*	21.0	255.1	12,100	26.7	274.5	10,700	31.5	289.0	9,300	225
230	10.1	215.3	9,500*	16.9	240.2	11,500	23.6	263.7	10,100	28.9	280.3	8,800	230
235				11.4	219.9	10,300*	20.1	251.0	9,600	26.0	270.5	8,300	235
240							15.8	235.2	9,100	22.8	259.4	7,800	240
245							9.7	212.5	8,600	19.1	246.1	7,400	245
250										14.6	229.2	6,900	250
255										7.5	202.8	6,500	255



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

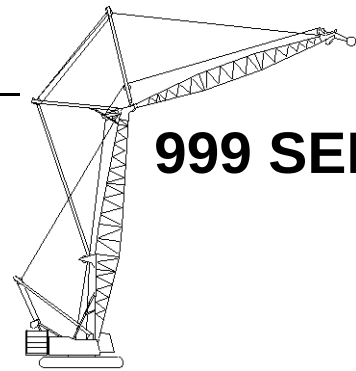
170 Ft. Boom, 230 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	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	
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*	125
130	59.8	376.1	20,900*	61.5	379.1	25,000*	64.0	382.7	28,700	130
135	58.3	373.1	20,000*	60.1	376.3	24,100*	62.6	380.2	27,100	135
140	56.9	369.9	19,100*	58.6	373.2	23,100*	61.2	377.5	25,500	140
145	55.4	366.5	18,300*	57.1	370.1	22,100*	59.7	374.6	24,100	145
150	53.8	362.9	17,500*	55.6	366.7	21,200*	58.3	371.6	22,800	150
155	52.3	359.0	16,700*	54.1	363.1	20,300*	56.8	368.3	21,600	155
160	50.7	355.0	16,000*	52.5	359.4	19,500*	55.3	364.9	20,500	160
165	49.0	350.8	15,300*	51.0	355.4	18,700*	53.7	361.3	19,400	165
170	47.3	346.2	14,600*	49.3	351.2	17,900*	52.2	357.5	18,400	170
175	45.6	341.4	14,000*	47.6	346.7	17,100*	50.6	353.5	17,500	175
180	43.8	336.3	13,500*	45.9	341.9	16,400*	48.9	349.2	16,600	180
185	42.0	330.9	12,900*	44.2	336.9	15,800*	47.3	344.7	15,700	185
190	40.1	325.1	12,400*	42.3	331.5	15,100*	45.5	339.8	15,000	190
195	38.1	318.8	11,900*	40.4	325.8	14,500*	43.7	334.7	14,200	195
200	36.0	312.1	11,500*	38.5	319.6	13,900*	41.9	329.3	13,500	200
205	33.8	304.9	11,100*	36.4	313.0	13,400*	40.0	323.4	12,800	205
210	31.5	297.0	10,800*	34.2	305.9	12,900*	38.0	317.2	12,200	210
215	29.0	288.3	10,500*	31.9	298.1	12,500*	35.9	310.5	11,600	215
220	26.3	278.6	10,200*	29.5	289.6	12,100*	33.7	303.2	11,000	220
225	23.3	267.6	10,000*	26.8	280.1	11,800*	31.4	295.2	10,400	225
230	19.8	254.7	9,900*	23.8	269.4	11,300	28.9	286.5	9,900	230
235	15.7	238.8	9,300*	20.5	256.9	10,700	26.1	276.8	9,400	235
240	9.9	216.1	7,900*	16.5	241.7	10,200	23.1	265.7	8,900	240
245				11.2	220.9	8,600*	19.6	252.7	8,400	245
250							15.4	236.6	7,900	250
255							9.5	213.4	7,500	255

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.4	409.9	24,800*							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*	130
135	59.8	384.8	19,400*	61.4	387.7	23,100*	63.8	391.4	26,500*	135
140	58.4	381.7	18,600*	60.1	384.9	22,300*	62.5	388.9	25,100	140
145	57.0	378.5	17,800*	58.7	381.9	21,400*	61.1	386.1	23,700	145
150	55.6	375.2	17,100*	57.3	378.7	20,600*	59.7	383.3	22,400	150
155	54.1	371.6	16,300*	55.8	375.4	19,800*	58.3	380.2	21,100	155
160	52.6	367.8	15,600*	54.4	371.9	19,000*	56.9	377.0	20,000	160
165	51.1	363.9	15,000*	52.9	368.1	18,300*	55.5	373.6	19,000	165
170	49.5	359.7	14,400*	51.4	364.2	17,500*	54.0	370.1	18,000	170
175	47.9	355.2	13,800*	49.8	360.1	16,800*	52.5	366.3	17,000	175
180	46.3	350.5	13,200*	48.2	355.7	16,100*	51.0	362.3	16,100	180
185	44.6	345.5	12,700*	46.6	351.0	15,500*	49.4	358.1	15,300	185
190	42.9	340.3	12,200*	44.9	346.1	14,900*	47.8	353.6	14,500	190
195	41.1	334.6	11,700*	43.2	340.9	14,300*	46.2	348.9	13,800	195
200	39.2	328.6	11,300*	41.4	335.3	13,700*	44.5	343.9	13,100	200
205	37.3	322.2	10,900*	39.5	329.4	13,200*	42.8	338.6	12,400	205
210	35.2	315.3	10,500*	37.6	323.0	12,700*	41.0	333.0	11,700	210
215	33.1	307.9	10,100*	35.6	316.2	12,300*	39.1	327.0	11,100	215
220	30.8	299.7	9,800*	33.5	308.9	11,800*	37.2	320.6	10,600	220
225	28.4	290.8	9,600*	31.2	300.9	11,500*	35.1	313.6	10,000	225
230	25.7	280.9	9,400*	28.8	292.1	10,900	33.0	306.1	9,500	230
235	22.8	269.6	8,800*	26.2	282.4	10,300	30.7	298.0	9,000	235
240	19.4	256.4	8,200*	23.3	271.4	9,800	28.2	289.0	8,500	240
245	15.3	240.1	7,700*	20.1	258.7	9,300*	25.6	279.0	8,000	245
250	9.7	216.9	6,300*	16.1	243.1	8,600*	22.6	267.7	7,500	250
255				10.9	221.8	7,000*	19.2	254.4	7,100	255
260							15.1	237.9	6,700	260
265							9.3	214.2	6,200	265

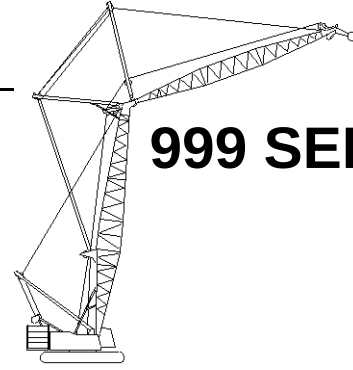


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 70 Ft. Jib

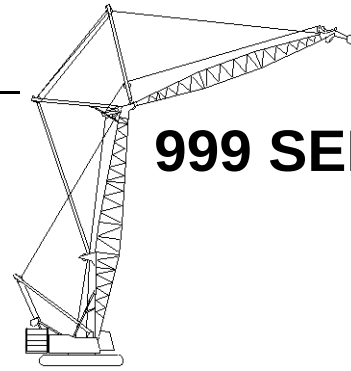
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.8	261.5	84,200*b																			45
50	63.8	259.2	81,000*b																			50
55	59.7	256.4	78,300*b	64.8	259.4	96,800*b																55
60	55.4	253.1	76,200*	60.8	256.7	93,600*b	68.3	260.4	92,000b													60
65	50.9	249.2	72,700*	56.5	253.6	86,800*	64.3	258.1	83,000b													65
70	46.0	244.6	67,000*	52.1	249.9	80,000	60.2	255.3	75,400b	67.7	258.6	70,800b										70
75	40.7	239.2	62,200*	47.3	245.5	73,300	56.0	252.1	69,000	63.8	256.2	64,800b										75
80	34.7	232.5	58,100*	42.1	240.3	67,500	51.5	248.3	63,500	59.7	253.4	59,600										80
85	27.6	223.9	54,800*	36.3	233.9	62,400	46.7	243.8	58,800	55.4	250.1	55,100										85
90	18.0	211.5	52,800*	29.6	225.9	58,000	41.4	238.5	54,600	50.8	246.2	51,200										90
95				20.9	214.9	54,000	35.6	232.0	50,900	46.0	241.7	47,700	59.9	250.0	42,400							95
100							28.6	223.7	47,600	40.7	236.2	44,600	55.6	246.7	39,600							100
105							19.5	212.1	44,500	34.7	229.5	41,800	51.1	242.9	37,100							105
110										27.5	220.9	39,300	46.3	238.3	34,900							110
115										17.9	208.4	36,900	41.0	232.9	32,800	55.5	241.8	28,600				115
120													35.0	226.3	30,900	51.0	237.9	27,000				120
125													28.0	217.9	29,200	46.2	233.4	25,400				125
130													18.6	205.7	27,500	40.9	227.9	24,000				130
135																34.9	221.3	22,700	50.5	231.2	19,400	135
140																27.9	212.8	21,500	45.6	226.6	18,300	140
145																18.4	200.5	20,300	40.3	221.0	17,300	145
150																			34.2	214.2	16,400	150
155																			27.0	205.5	15,500	155
160																			17.0	192.5	14,600	160

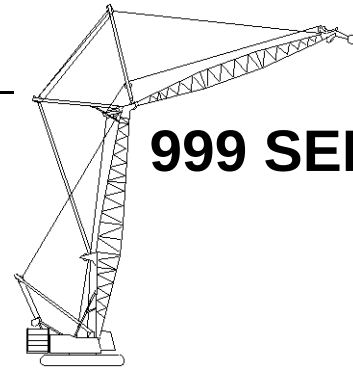


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 90 Ft. Jib

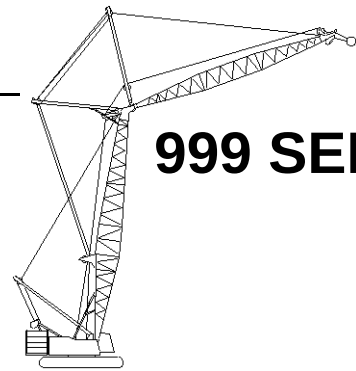
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.4	272.3	78,500*b																			45
50	66.9	270.3	75,700*b																			50
55	63.4	267.9	73,100*b	67.8	270.4	90,800*b																55
60	59.7	265.1	71,900*	64.3	268.1	88,300*b	70.8	271.1	91,600b													60
65	55.9	261.8	69,900*	60.7	265.4	83,500*	67.4	269.1	82,600b													65
70	52.0	258.1	64,900*	56.9	262.3	77,700*	63.8	266.8	75,100b													70
75	47.7	253.7	60,200*	53.0	258.7	72,200*	60.2	264.0	68,700	66.9	267.3	64,400b										75
80	43.2	248.7	55,700*	48.8	254.5	67,000*	56.4	260.8	63,200	63.3	264.9	59,200										80
85	38.3	242.7	52,000*	44.4	249.6	62,200	52.5	257.1	58,500	59.7	262.1	54,800										85
90	32.7	235.4	48,800*	39.6	243.9	57,800	48.3	252.9	54,300	55.9	258.8	50,900										90
95	26.0	226.2	46,400*	34.2	237.0	53,900	43.8	247.9	50,700	51.9	255.1	47,400										95
100	16.9	213.0	44,900*	27.8	228.4	50,400	38.9	242.1	47,400	47.7	250.7	44,300	59.9	258.7	39,200							100
105				19.6	216.6	47,200	33.4	235.0	44,400	43.2	245.7	41,500	56.1	255.4	36,700							105
110							26.9	226.1	41,700	38.2	239.7	39,000	52.2	251.7	34,500							110
115							18.3	213.6	39,300	32.6	232.4	36,800	48.0	247.4	32,500							115
120										25.9	223.2	34,700	43.4	242.4	30,600	56.1	250.5	26,600				120
125										16.8	209.8	32,700	38.5	236.5	28,900	52.1	246.7	25,100				125
130													32.9	229.3	27,300	47.9	242.4	23,700				130
135													26.3	220.2	25,900	43.4	237.4	22,400				135
140													17.5	207.2	24,500	38.4	231.4	21,200	51.6	240.1	17,900	140
145																32.8	224.2	20,100	47.4	235.7	16,900	145
150																26.2	215.1	19,000	42.8	230.6	16,000	150
155																17.3	202.0	18,000	37.8	224.5	15,100	155
160																			32.1	217.1	14,300	160
165																			25.3	207.7	13,500	165
170																			16.0	193.8	12,800	170



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.4	282.9	73,200*b																			45
50	69.4	281.1	71,500*b																			50
55	66.2	279.0	68,400*	70.1	281.2	84,700*b																55
60	63.1	276.5	67,200*	67.0	279.1	82,700*b																60
65	59.8	273.7	64,200*	63.9	276.8	80,200*	69.7	279.9	82,000b													65
70	56.4	270.5	62,800*	60.6	274.1	75,000*	66.6	277.8	74,500													70
75	52.8	266.9	58,300*	57.2	271.0	70,000*	63.5	275.4	68,200													75
80	49.1	262.7	54,300*	53.7	267.4	65,300*	60.2	272.7	62,700	66.2	276.0	58,600										80
85	45.1	257.9	50,600*	50.1	263.4	60,800*	56.8	269.5	58,000	63.0	273.6	54,200										85
90	40.9	252.4	47,100*	46.2	258.8	56,600*	53.3	265.9	53,900	59.7	270.7	50,300										90
95	36.2	246.0	44,200*	42.0	253.5	53,000*	49.6	261.8	50,200	56.3	267.5	46,800										95
100	30.9	238.2	41,800*	37.4	247.3	49,400*	45.6	257.1	46,900	52.8	263.9	43,800										100
105	24.6	228.4	39,900*	32.3	239.9	46,400*	41.4	251.7	44,000	49.0	259.7	41,000	59.9	267.3	36,100							105
110	16.0	214.3	38,800*	26.3	230.8	44,000*	36.8	245.4	41,400	45.1	254.9	38,500	56.5	264.1	33,900							110
115				18.6	218.2	41,600	31.6	237.9	38,900	40.8	249.4	36,300	53.0	260.5	31,900							115
120							25.5	228.4	36,700	36.1	242.9	34,200	49.3	256.4	30,000							120
125							17.4	215.1	34,700	30.8	235.2	32,300	45.3	251.6	28,300	56.5	259.2	24,400				125
130										24.5	225.3	30,600	41.1	246.2	26,800	52.9	255.5	23,000				130
135										15.9	211.2	28,900	36.4	239.8	25,400	49.2	251.4	21,700				135
140													31.2	232.1	24,000	45.2	246.6	20,600				140
145													24.9	222.4	22,800	41.0	241.2	19,500	52.5	248.9	16,200	145
150													16.5	208.6	21,600	36.3	234.7	18,500	48.8	244.7	15,300	150
155																31.1	227.0	17,500	44.8	239.9	14,500	155
160																24.8	217.3	16,600	40.5	234.3	13,700	160
165																16.3	203.4	15,700	35.8	227.7	13,000	165
170																			30.4	219.9	12,300	170
175																			24.0	209.8	11,600	175
180																			15.1	195.1	10,900	180

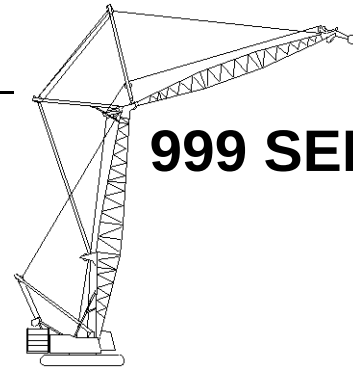


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 110 Ft. Jib

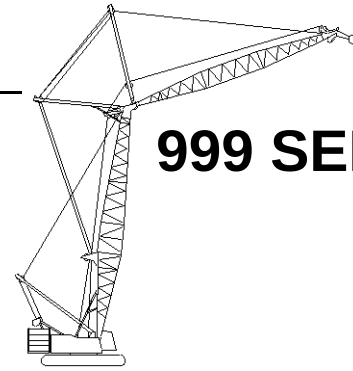
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	74,400													70
75	56.7	279.2	56,400*	60.6	282.7	67,500*	66.1	286.5	68,000													75
80	53.5	275.6	52,500*	57.5	279.6	63,200*	63.2	284.1	62,600													80
85	50.2	271.6	48,900*	54.3	276.2	59,100*	60.2	281.3	57,900	65.7	284.7	54,000										85
90	46.6	267.0	45,800*	51.0	272.3	55,200*	57.1	278.2	53,700	62.7	282.2	50,100										90
95	42.9	261.9	42,700*	47.5	267.8	51,500*	53.9	274.7	50,100	59.8	279.4	46,700										95
100	38.9	256.0	40,100*	43.9	262.9	48,200*	50.6	270.7	46,800	56.7	276.2	43,600										100
105	34.4	249.1	37,800*	39.9	257.1	45,300*	47.1	266.2	43,900	53.5	272.6	40,900	62.9	278.8	35,900							105
110	29.4	240.8	35,900*	35.6	250.5	42,400*	43.4	261.2	41,300	50.1	268.6	38,400	59.9	276.0	33,700							110
115	23.4	230.5	34,400*	30.7	242.7	40,000*	39.4	255.3	38,900	46.6	264.1	36,200	56.8	272.8	31,700							115
120	15.2	215.6	33,600*	25.1	233.0	38,000*	35.0	248.6	36,700	42.8	258.9	34,100	53.6	269.3	29,900							120
125				17.7	219.7	36,700*	30.1	240.6	34,700	38.8	253.0	32,300	50.3	265.3	28,200							125
130							24.2	230.5	32,900	34.4	246.1	30,500	46.8	260.7	26,700	56.8	267.9	22,800				130
135							16.5	216.6	31,100	29.3	237.8	29,000	43.1	255.6	25,200	53.6	264.3	21,600				135
140										23.3	227.4	27,500	39.1	249.7	23,900	50.3	260.3	20,400				140
145										15.1	212.5	26,000	34.6	242.9	22,700	46.7	255.8	19,300				145
150													29.6	234.7	21,600	43.0	250.6	18,300				150
155													23.7	224.5	20,500	39.0	244.7	17,400	49.9	253.6	14,300	155
160													15.7	210.0	19,400	34.6	237.9	16,500	46.3	249.0	13,600	160
165																29.6	229.7	15,600	42.6	243.8	12,800	165
170																23.6	219.4	14,800	38.5	237.8	12,100	170
175																15.5	204.8	14,100	34.0	230.8	11,500	175
180																			28.9	222.4	10,900	180
185																			22.8	211.8	10,300	185
190																			14.3	196.3	9,700	190



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	303.8	63,500*b																			45
50	72.9	302.3	61,700*b																			50
55	70.4	300.6	59,900*	73.6	302.3	73,300*b																55
60	67.8	298.6	58,800*	71.0	300.6	72,200*																60
65	65.2	296.4	56,400*	68.5	298.7	70,600*																65
70	62.5	293.9	55,600*	65.9	296.6	68,800*	70.7	299.4	71,800*													70
75	59.8	291.0	53,500*	63.2	294.1	64,900*	68.2	297.4	67,500													75
80	57.0	287.9	50,900*	60.5	291.4	61,000*	65.6	295.2	62,100													80
85	54.1	284.4	47,500*	57.7	288.3	57,300*	62.9	292.8	57,400	67.8	295.6	53,400										85
90	51.0	280.5	44,400*	54.8	284.9	53,700*	60.2	290.0	53,200	65.2	293.4	49,600										90
95	47.9	276.1	41,700*	51.8	281.1	50,300*	57.3	286.9	49,600	62.5	290.9	46,100										95
100	44.5	271.2	39,100*	48.7	276.8	47,100*	54.4	283.4	46,300	59.8	288.1	43,100										100
105	41.0	265.6	36,600*	45.4	272.1	44,100*	51.4	279.5	43,400	56.9	284.9	40,400										105
110	37.1	259.3	34,500*	41.9	266.7	41,400*	48.3	275.2	40,800	54.0	281.4	37,900	62.7	287.5	33,100							110
115	32.9	252.0	32,700*	38.1	260.6	39,000*	45.0	270.4	38,400	51.0	277.5	35,700	59.9	284.6	31,100							115
120	28.1	243.3	31,200*	34.0	253.6	36,700*	41.4	265.0	36,300	47.8	273.1	33,600	57.1	281.5	29,300							120
125	22.4	232.4	30,100*	29.4	245.3	34,800*	37.6	258.8	34,300	44.5	268.2	31,800	54.2	278.0	27,600							125
130	14.6	216.9	29,500*	23.9	235.1	33,300*	33.5	251.6	32,500	40.9	262.6	30,100	51.2	274.1	26,100							130
135				16.9	221.2	32,200*	28.7	243.1	30,800	37.1	256.3	28,500	48.0	269.8	24,700	57.1	276.5	20,900				135
140							23.2	232.6	29,200	32.8	249.0	27,000	44.7	264.9	23,400	54.2	273.0	19,800				140
145							15.8	217.9	27,700	28.0	240.3	25,700	41.1	259.4	22,200	51.1	269.1	18,700				145
150										22.3	229.3	24,400	37.3	253.1	21,000	48.0	264.8	17,700				150
155										14.4	213.7	23,200	33.1	245.9	20,000	44.6	259.9	16,800				155
160													28.3	237.2	19,000	41.1	254.4	15,900	50.8	262.5	12,900	160
165													22.7	226.5	18,000	37.2	248.1	15,100	47.6	258.1	12,200	165
170													15.0	211.3	17,100	33.0	240.8	14,300	44.2	253.1	11,500	170
175																28.2	232.2	13,600	40.6	247.5	10,900	175
180																22.5	221.4	12,900	36.8	241.1	10,300	180
185																14.9	206.0	12,200	32.5	233.7	9,700	185
190																			27.7	224.9	9,100	190
195																			21.8	213.7	8,600	195
200																			13.7	197.5	8,100	200

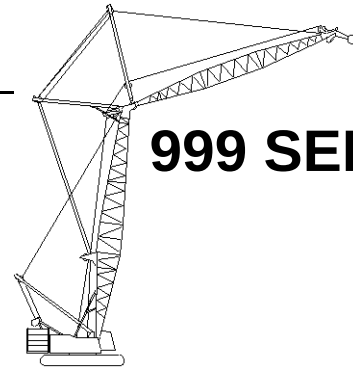


Liftcrane Luffing Jib Capacities

999 SERIES 2

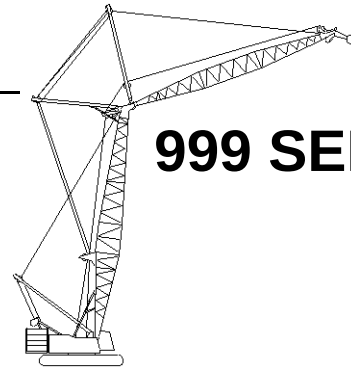
**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating**

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



180 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	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	61,700													80
85	57.2	296.6	46,200*	60.5	300.0	55,500*	65.1	303.9	57,000													85
90	54.5	293.1	43,300*	57.9	297.0	52,200*	62.7	301.4	52,900	67.2	304.4	49,100										90
95	51.8	289.3	40,600*	55.2	293.6	49,100*	60.1	298.6	49,200	64.8	302.1	45,700										95
100	48.9	285.0	38,000*	52.5	289.9	46,100*	57.6	295.6	46,000	62.3	299.6	42,700										100
105	45.9	280.3	35,900*	49.6	285.8	43,300*	54.9	292.1	43,100	59.8	296.7	40,000										105
110	42.7	275.1	33,800*	46.6	281.2	40,700*	52.1	288.4	40,500	57.2	293.6	37,500										110
115	39.3	269.2	31,800*	43.5	276.1	38,200*	49.3	284.2	38,100	54.5	290.1	35,300	62.5	296.1	30,600							115
120	35.6	262.6	30,100*	40.2	270.4	36,100*	46.2	279.6	36,000	51.7	286.3	33,300	59.9	293.3	28,800							120
125	31.5	254.9	28,600*	36.6	263.9	34,100*	43.1	274.4	34,000	48.8	282.1	31,400	57.3	290.2	27,200							125
130	26.9	245.7	27,400*	32.6	256.5	32,200*	39.7	268.6	32,200	45.8	277.4	29,700	54.7	286.7	25,700							130
135	21.4	234.3	26,500*	28.2	247.8	30,700*	36.1	262.0	30,500	42.6	272.1	28,200	51.9	282.9	24,300							135
140	14.0	218.1	26,100*	23.0	237.1	29,400*	32.1	254.5	28,900	39.2	266.2	26,700	49.0	278.7	23,000	57.3	285.2	19,300				140
145				16.2	222.6	28,600*	27.6	245.6	27,500	35.5	259.5	25,400	46.0	274.0	21,800	54.6	281.8	18,300				145
150							22.2	234.5	26,100	31.5	251.8	24,100	42.8	268.8	20,700	51.8	278.0	17,300				150
155							15.1	219.2	24,900	26.9	242.7	22,900	39.4	263.0	19,600	49.0	273.7	16,400				155
160										21.4	231.2	21,800	35.8	256.4	18,600	45.9	269.1	15,500				160
165										13.9	214.9	20,700	31.7	248.7	17,700	42.8	263.8	14,700	51.5	271.3	11,700	165
170													27.2	239.7	16,800	39.4	258.0	13,900	48.6	267.0	11,100	170
175													21.7	228.4	16,000	35.7	251.3	13,200	45.6	262.3	10,400	175
180													14.4	212.5	15,200	31.7	243.7	12,500	42.4	257.0	9,900	180
185																27.1	234.6	11,900	39.0	251.1	9,300	185
190																21.6	223.2	11,200	35.3	244.3	8,800	190
195																14.2	207.3	10,600	31.2	236.5	8,200	195
200																			26.5	227.2	7,800	200
205																			20.9	215.6	7,300	205
210																			13.1	198.6	6,800	210



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

180 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	323.1	53,700*																50
55	73.3	321.7	53,100*																55
60	71.1	320.0	51,100*	73.8	321.7	62,300*													60
65	69.0	318.2	50,400*	71.7	320.1	61,600*													65
70	66.7	316.1	49,100*	69.5	318.3	60,600*													70
75	64.5	313.8	47,900*	67.3	316.2	59,200*													75
80	62.2	311.2	46,700*	65.1	314.0	56,400*	69.2	317.0	60,700*										80
85	59.8	308.4	44,700*	62.8	311.5	53,500*	67.0	314.9	56,500										85
90	57.4	305.2	42,000*	60.4	308.7	50,500*	64.8	312.6	52,300										90
95	54.9	301.8	39,500*	58.0	305.7	47,700*	62.5	310.1	48,700	66.7	313.1	45,100							95
100	52.4	298.1	37,100*	55.6	302.3	44,900*	60.1	307.3	45,500	64.5	310.8	42,100							100
105	49.7	294.0	34,900*	53.0	298.7	42,300*	57.7	304.2	42,600	62.2	308.2	39,400							105
110	47.0	289.4	32,900*	50.4	294.6	39,800*	55.3	300.9	40,000	59.8	305.4	37,000							110
115	44.1	284.4	31,100*	47.7	290.2	37,500*	52.7	297.1	37,600	57.4	302.3	34,700							115
120	41.0	278.9	29,400*	44.8	285.3	35,300*	50.1	293.1	35,500	54.9	298.8	32,700	62.3	304.8	28,200				120
125	37.8	272.7	27,700*	41.8	279.9	33,300*	47.3	288.6	33,500	52.4	295.1	30,900	59.9	302.0	26,600				125
130	34.2	265.7	26,400*	38.6	273.9	31,600*	44.5	283.7	31,700	49.7	291.0	29,200	57.5	298.9	25,100				130
135	30.3	257.6	25,200*	35.2	267.1	30,000*	41.4	278.2	30,000	46.9	286.4	27,600	55.1	295.5	23,700				135
140	25.9	248.0	24,200*	31.4	259.3	28,400*	38.2	272.1	28,500	44.0	281.4	26,200	52.5	291.7	22,400				140
145	20.6	236.1	23,500*	27.1	250.2	27,100*	34.7	265.2	27,100	41.0	275.9	24,900	49.9	287.6	21,200	57.5	293.9	17,600	145
150	13.4	219.2	23,200*	22.1	239.0	26,100*	30.9	257.3	25,700	37.7	269.7	23,600	47.1	283.1	20,100	55.0	290.5	16,600	150
155				15.6	223.9	25,400*	26.5	247.9	24,500	34.2	262.6	22,500	44.2	278.1	19,100	52.5	286.8	15,700	155
160							21.4	236.4	23,300	30.3	254.5	21,400	41.2	272.6	18,100	49.8	282.6	14,900	160
165							14.6	220.5	22,200	25.9	245.0	20,300	37.9	266.5	17,200	47.1	278.1	14,100	165
170										20.6	233.0	19,400	34.4	259.5	16,300	44.2	273.1	13,300	170
175										13.3	216.0	18,400	30.5	251.5	15,500	41.1	267.6	12,600	175
180													26.2	242.0	14,800	37.9	261.4	12,000	180
185													20.9	230.2	14,000	34.3	254.4	11,300	185
190													13.8	213.7	13,300	30.5	246.4	10,700	190
195																26.1	236.9	10,100	195
200																20.8	225.1	9,600	200
205																13.7	208.4	9,000	205

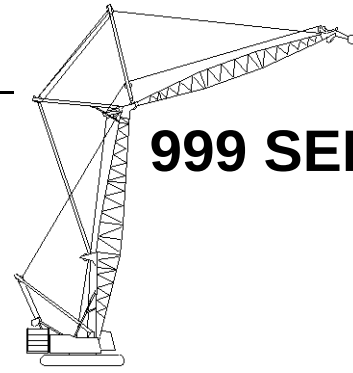


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 150 Ft. Jib

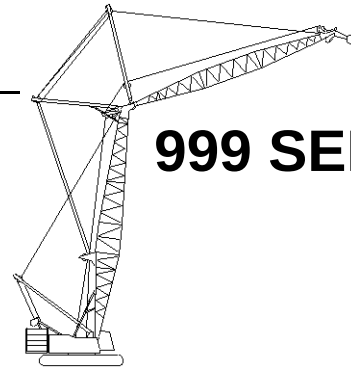
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	332.1	49,500*																55
60	72.4	330.6	48,400*																60
65	70.4	328.9	46,600*	73.0	330.6	57,100*													65
70	68.4	326.9	46,100*	70.9	328.9	56,500*													70
75	66.3	324.8	45,000*	68.9	327.0	55,500*													75
80	64.2	322.4	43,900*	66.8	325.0	54,200*	70.7	327.7	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	52,200										90
95	57.6	313.9	38,700*	60.4	317.4	46,500*	64.5	321.3	48,500										95
100	55.3	310.5	36,500*	58.2	314.3	44,000*	62.3	318.8	45,300	66.3	321.8	41,900							100
105	52.9	306.9	34,400*	55.9	311.0	41,600*	60.1	316.0	42,400	64.2	319.5	39,200							105
110	50.5	302.8	32,400*	53.5	307.4	39,300*	57.9	312.9	39,800	62.0	316.9	36,800							110
115	47.9	298.4	30,600*	51.1	303.5	37,100*	55.6	309.6	37,500	59.8	314.0	34,600							115
120	45.3	293.6	29,000*	48.6	299.2	35,000*	53.2	305.9	35,300	57.6	310.9	32,600							120
125	42.5	288.3	27,400*	46.0	294.5	33,100*	50.8	301.9	33,400	55.3	307.6	30,700	62.1	313.4	26,400				125
130	39.6	282.5	26,000*	43.2	289.3	31,300*	48.3	297.6	31,600	52.9	303.9	29,000	59.9	310.6	24,900				130
135	36.4	276.0	24,700*	40.3	283.6	29,600*	45.6	292.8	29,900	50.4	299.8	27,500	57.7	307.5	23,500				135
140	33.0	268.6	23,500*	37.2	277.3	28,200*	42.9	287.6	28,400	47.9	295.5	26,000	55.4	304.2	22,200				140
145	29.3	260.2	22,500*	33.9	270.2	26,800*	39.9	281.9	26,900	45.2	290.6	24,700	53.0	300.5	21,000				145
150	25.0	250.2	21,700*	30.3	262.1	25,400*	36.8	275.4	25,600	42.5	285.3	23,500	50.6	296.5	19,900	57.7	302.6	16,400	150
155	19.9	237.8	21,200*	26.2	252.5	24,400*	33.5	268.2	24,400	39.5	279.5	22,300	48.0	292.1	18,900	55.4	299.2	15,500	155
160	13.0	220.3	20,900*	21.3	240.9	23,500*	29.8	259.9	23,200	36.4	273.0	21,200	45.4	287.3	17,900	53.0	295.5	14,700	160
165				15.0	225.2	23,000*	25.6	250.2	22,100	33.0	265.6	20,200	42.6	282.1	17,000	50.5	291.5	13,900	165
170							20.6	238.2	21,100	29.2	257.2	19,200	39.7	276.3	16,200	48.0	287.1	13,200	170
175							14.0	221.7	20,100	25.0	247.2	18,300	36.6	269.8	15,400	45.4	282.3	12,500	175
180										19.8	234.7	17,500	33.2	262.5	14,600	42.6	277.1	11,800	180
185										12.9	217.1	16,600	29.5	254.1	13,900	39.6	271.2	11,200	185
190													25.2	244.2	13,200	36.5	264.7	10,600	190
195													20.2	232.0	12,600	33.1	257.4	10,000	195
200													13.4	214.8	11,900	29.4	249.0	9,500	200
205																25.2	239.1	8,900	205
210																20.1	226.8	8,400	210
215																13.2	209.6	7,900	215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			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	48,000										95
100	57.8	322.6	35,400*	60.4	326.0	42,500*	64.2	330.0	44,800	67.8	332.7	41,400							100
105	55.6	319.2	33,400*	58.3	323.0	40,300*	62.2	327.4	41,900	65.9	330.5	38,700							105
110	53.4	315.6	31,600*	56.1	319.7	38,200*	60.1	324.6	39,300	63.9	328.2	36,200							110
115	51.1	311.7	29,800*	54.0	316.2	36,200*	58.0	321.6	37,000	61.9	325.5	34,000							115
120	48.7	307.4	28,200*	51.7	312.3	34,200*	55.9	318.3	34,800	59.8	322.7	32,000							120
125	46.3	302.8	26,700*	49.4	308.1	32,400*	53.7	314.7	32,900	57.7	319.6	30,200							125
130	43.8	297.7	25,300*	46.9	303.6	30,600*	51.4	310.8	31,100	55.6	316.3	28,500	62.0	322.1	24,300				130
135	41.1	292.1	24,100*	44.4	298.6	29,000*	49.1	306.5	29,400	53.4	312.6	27,000	59.9	319.3	22,900				135
140	38.2	286.0	22,900*	41.8	293.2	27,500*	46.6	301.9	27,900	51.1	308.7	25,500	57.8	316.2	21,600				140
145	35.2	279.2	21,800*	39.0	287.2	26,100*	44.1	296.9	26,500	48.7	304.4	24,200	55.7	312.9	20,400				145
150	31.9	271.5	20,900*	36.0	280.6	24,900*	41.4	291.4	25,200	46.3	299.8	23,000	53.5	309.3	19,400				150
155	28.3	262.7	20,000*	32.8	273.1	23,800*	38.6	285.4	23,900	43.7	294.7	21,800	51.2	305.3	18,300	57.8	311.3	14,900	155
160	24.2	252.4	19,400*	29.3	264.7	22,700*	35.6	278.7	22,800	41.0	289.1	20,800	48.9	301.1	17,400	55.7	307.9	14,100	160
165	19.3	239.5	18,900*	25.3	254.8	21,800*	32.4	271.1	21,700	38.2	283.0	19,700	46.4	296.4	16,500	53.4	304.3	13,300	165
170	12.5	221.4	18,800*	20.6	242.7	21,100*	28.8	262.5	20,700	35.2	276.1	18,800	43.9	291.4	15,600	51.2	300.4	12,600	170
175				14.5	226.5	20,700*	24.8	252.4	19,700	31.9	268.5	17,900	41.2	285.9	14,900	48.8	296.1	11,900	175
180							20.0	239.9	18,800	28.3	259.7	17,000	38.4	279.7	14,100	46.4	291.5	11,200	180
185							13.6	222.8	17,900	24.1	249.3	16,200	35.4	273.0	13,400	43.8	286.4	10,600	185
190										19.2	236.4	15,500	32.1	265.3	12,700	41.2	280.8	10,000	190
195										12.4	218.2	14,700	28.5	256.6	12,100	38.3	274.7	9,400	195
200													24.4	246.4	11,500	35.3	267.9	8,900	200
205													19.5	233.7	10,900	32.0	260.3	8,400	205
210													12.9	215.9	10,300	28.4	251.6	7,900	210
215																24.3	241.3	7,400	215
220																19.4	228.5	7,000	220
225																12.8	210.7	6,500	225

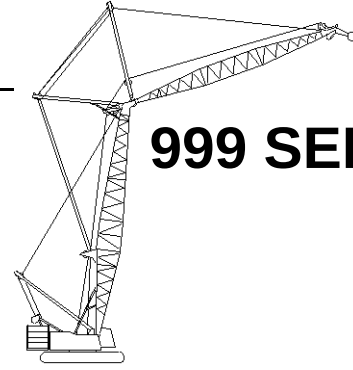


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.6	351.5	42,200*													60
65	72.8	350.0	41,400*													65
70	71.0	348.3	40,500*	73.3	350.0	48,500*										70
75	69.2	346.5	39,700*	71.5	348.4	48,200*										75
80	67.4	344.4	38,800*	69.7	346.5	47,700*										80
85	65.6	342.2	38,000*	67.9	344.6	46,800*										85
90	63.7	339.8	37,200*	66.0	342.4	45,100*	69.5	345.3	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	44,400							100
105	57.9	331.3	32,600*	60.4	334.7	39,200*	63.9	338.7	41,500	67.4	341.5	38,200				105
110	55.9	327.9	30,800*	58.4	331.7	37,200*	62.0	336.1	38,900	65.6	339.3	35,800				110
115	53.8	324.4	29,200*	56.4	328.4	35,400*	60.1	333.3	36,600	63.7	336.8	33,600				115
120	51.7	320.5	27,700*	54.3	324.9	33,500*	58.1	330.2	34,500	61.8	334.2	31,600				120
125	49.5	316.3	26,200*	52.2	321.1	31,800*	56.1	327.0	32,500	59.8	331.4	29,800				125
130	47.2	311.8	24,800*	50.0	317.0	30,200*	54.1	323.4	30,700	57.9	328.3	28,100				130
135	44.8	306.9	23,600*	47.8	312.6	28,600*	51.9	319.6	29,100	55.8	325.0	26,600	61.9	330.8	22,500	135
140	42.4	301.6	22,500*	45.4	307.8	27,100*	49.7	315.4	27,500	53.8	321.4	25,100	60.0	327.9	21,200	140
145	39.8	295.7	21,400*	43.0	302.6	25,800*	47.5	311.0	26,100	51.6	317.5	23,800	58.0	324.9	20,000	145
150	37.0	289.3	20,400*	40.5	296.9	24,500*	45.1	306.1	24,800	49.4	313.3	22,600	56.0	321.6	18,900	150
155	34.1	282.2	19,500*	37.8	290.6	23,400*	42.7	300.9	23,600	47.2	308.8	21,500	53.9	318.0	17,900	155
160	30.9	274.3	18,700*	34.9	283.7	22,400*	40.1	295.1	22,400	44.8	303.9	20,400	51.8	314.2	17,000	160
165	27.4	265.2	18,000*	31.8	276.0	21,400*	37.4	288.8	21,400	42.3	298.6	19,400	49.6	310.0	16,100	165
170	23.5	254.4	17,500*	28.4	267.2	20,500*	34.5	281.8	20,400	39.8	292.7	18,400	47.3	305.5	15,200	170
175	18.7	241.2	17,200*	24.5	256.9	19,700*	31.4	273.9	19,400	37.0	286.3	17,500	44.9	300.6	14,500	175
180	12.1	222.5	17,100*	20.0	244.5	19,100*	27.9	265.0	18,500	34.1	279.2	16,700	42.5	295.3	13,700	180
185				14.1	227.7	18,800*	24.0	254.5	17,700	30.9	271.2	15,900	39.9	289.5	13,000	185
190							19.3	241.6	16,800	27.4	262.1	15,200	37.2	283.1	12,300	190
195							13.2	224.0	16,000	23.4	251.4	14,400	34.3	276.1	11,700	195
200										18.6	238.0	13,700	31.1	268.1	11,100	200
205										12.0	219.2	13,100	27.6	259.1	10,500	205
210													23.7	248.5	10,000	210
215													18.9	235.3	9,400	215
220													12.5	217.0	8,900	220