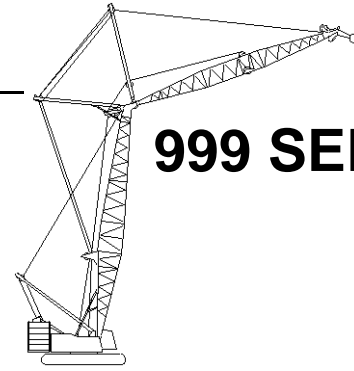




Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths and intermediate fall operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 2,600 Lb. minimum block weight.

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

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and intermediate fall is considered part of intermediate fall load. 3,900 Lbs. suspended beneath luffing jib point sheaves has been included in capacity determination. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

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

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

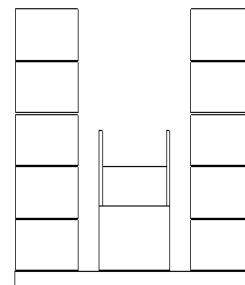
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts,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

INTERMEDIATE FALL ELEVATION: Intermediate fall elevation is vertical distance from ground level to centerline of intermediate fall shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, luffing jib straps, two 1-1/2 in. luffing jib backstay pendants, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Consult chart **No. 8419-A** for luffing jib capacities. Consult chart **No. 8364-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8370-A** for intermediate fall capacities with fixed jib attached.

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

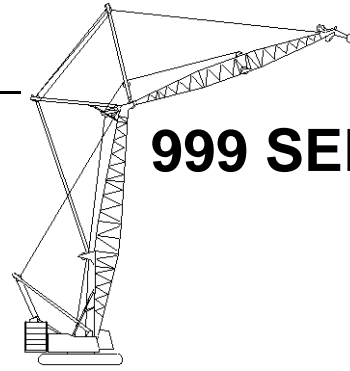


219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box

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



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 70 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	56.2	119.8	36,300*	61.1	121.5	42,400*b													35
40	46.5	115.3	28,600*	52.1	117.8	32,500*	59.7	120.4	40,500*										40
45	34.7	108.8	23,200*	41.7	112.5	26,000*	50.5	116.5	31,300*	58.1	119.1	38,600*							45
50				27.9	104.5	21,300*	39.7	110.9	25,200*	48.7	114.9	30,100*	61.2	118.5	42,900*b				50
55							24.8	102.0	20,600*	37.5	109.0	24,300*	52.2	114.8	32,800*				55
60										21.1	98.8	19,900*	41.8	109.7	26,200*	55.2	113.9	35,700*	60
65													28.1	101.6	21,500*	45.3	109.2	28,200*	65
70																33.1	102.4	22,900*	70

80 Ft. Boom, 80 Ft. Jib

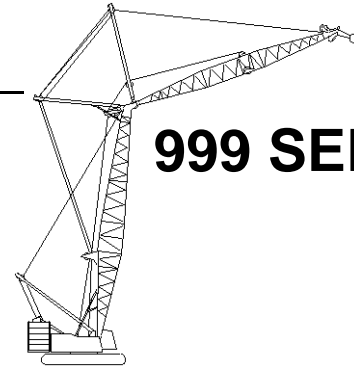
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	64.8	123.0	41,000*b																30
35	56.2	119.8	30,400*	61.1	121.5	35,600*	67.9	123.2	47,200*b										35
40	46.5	115.3	23,700*	52.1	117.8	27,100*	59.7	120.4	34,000*	66.5	122.0	44,400*b							40
45	34.7	108.8	19,100*	41.7	112.5	21,500*	50.5	116.5	26,100*	58.1	119.1	32,400*							45
50				27.9	104.5	17,400*	39.7	110.9	20,800*	48.7	114.9	25,100*	61.2	118.5	36,000*				50
55							24.8	102.0	16,900*	37.5	109.0	20,100*	52.2	114.8	27,400*				55
60										21.1	98.8	16,300*	41.8	109.7	21,700*	55.2	113.9	29,800*	60
65													28.1	101.6	17,600*	45.3	109.2	23,400*	65
70																33.1	102.4	18,900*	70

80 Ft. Boom, 90 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	64.8	123.0	36,400*																30
35	56.2	119.8	26,800*	61.1	121.5	31,500*	67.9	123.2	42,000*										35
40	46.5	115.3	20,800*	52.1	117.8	23,900*	59.7	120.4	30,000*	66.5	122.0	39,400*							40
45	34.7	108.8	16,600*	41.7	112.5	18,800*	50.5	116.5	22,900*	58.1	119.1	28,600*							45
50				27.9	104.5	15,100*	39.7	110.9	18,100*	48.7	114.9	22,000*	61.2	118.5	31,800*				50
55							24.8	102.0	14,600*	37.5	109.0	17,500*	52.2	114.8	24,100*				55
60										21.1	98.8	14,100*	41.8	109.7	18,900*	55.2	113.9	26,200*	60
65													28.1	101.6	15,200*	45.3	109.2	20,400*	65
70																33.1	102.4	16,400*	70



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 100 Ft. Jib

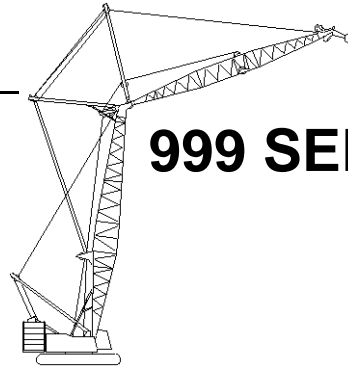
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	70.2	134.0	52,400*																30
35	63.8	131.6	38,700*	67.4	132.8	45,500*													35
40	57.0	128.5	30,100*	60.9	130.1	34,500*	66.4	131.9	43,300*										40
45	49.6	124.4	24,300*	53.8	126.6	27,300*	59.7	129.1	33,100*	65.2	130.7	41,200*							45
50	41.1	119.0	20,000*	46.0	122.0	22,300*	52.6	125.4	26,400*	58.5	127.7	31,800*							50
55	30.6	111.4	16,700*	36.8	115.8	18,500*	44.6	120.6	21,600*	51.2	123.9	25,500*	61.0	127.2	34,800*				55
60				24.6	106.5	15,500*	35.0	114.0	18,000*	43.0	118.8	20,900*	53.9	123.7	27,600*				60
65							21.8	103.8	15,100*	33.1	111.9	17,400*	46.1	119.1	22,500*	56.2	122.6	29,700*	65
70										18.5	100.3	14,600*	36.9	112.9	18,600*	48.7	118.4	24,000*	70
75													24.7	103.7	15,600*	40.0	112.8	19,800*	75
80																29.2	104.9	16,600*	80

80 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
25	72.7	125.2	50,400*b																25
30	64.8	123.0	34,000*	69.3	124.1	41,700*													30
35	56.2	119.8	25,200*	61.1	121.5	29,600*	67.9	123.2	39,200*										35
40	46.5	115.3	19,700*	52.1	117.8	22,500*	59.7	120.4	28,200*	66.5	122.0	36,800*							40
45	34.7	108.8	15,800*	41.7	112.5	17,800*	50.5	116.5	21,600*	58.1	119.1	26,800*							45
50				27.9	104.5	14,500*	39.7	110.9	17,200*	48.7	114.9	20,800*	61.2	118.5	29,800*				50
55							24.8	102.0	14,000*	37.5	109.0	16,600*	52.2	114.8	22,700*				55
60										21.1	98.8	13,500*	41.8	109.7	18,000*	55.2	113.9	24,600*	60
65													28.1	101.6	14,600*	45.3	109.2	19,300*	65
70																33.1	102.4	15,600*	70



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 120 Ft. Jib

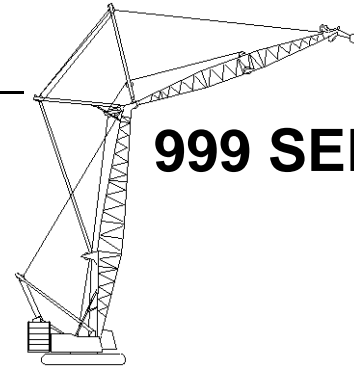
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	70.2	134.0	47,200*	73.7	134.8	58,000*													30
35	63.8	131.6	34,800*	67.4	132.8	40,900*													35
40	57.0	128.5	27,100*	60.9	130.1	31,000*	66.4	131.9	39,000*										40
45	49.6	124.4	21,800*	53.8	126.6	24,600*	59.7	129.1	29,800*	65.2	130.7	37,100*							45
50	41.1	119.0	17,900*	46.0	122.0	20,000*	52.6	125.4	23,700*	58.5	127.7	28,600*							50
55	30.6	111.4	15,000*	36.8	115.8	16,600*	44.6	120.6	19,400*	51.2	123.9	22,900*	61.0	127.2	31,300*				55
60				24.6	106.5	13,900*	35.0	114.0	16,100*	43.0	118.8	18,800*	53.9	123.7	24,800*				60
65							21.8	103.8	13,500*	33.1	111.9	15,600*	46.1	119.1	20,200*	56.2	122.6	26,600*	65
70										18.5	100.3	13,100*	36.9	112.9	16,700*	48.7	118.4	21,500*	70
75													24.7	103.7	14,000*	40.0	112.8	17,800*	75
80																29.2	104.9	14,900*	80

80 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	73.7	144.6	59,000*																30
35	68.5	142.7	44,000*	71.4	143.6	51,700*													35
40	63.2	140.3	34,300*	66.2	141.5	39,300*	70.6	142.8	49,200*										40
45	57.5	137.2	27,700*	60.7	138.8	31,200*	65.3	140.6	37,700*										45
50	51.5	133.3	22,900*	54.9	135.4	25,500*	59.8	137.7	30,100*	64.4	139.4	36,200*							50
55	44.8	128.5	19,200*	48.6	131.1	21,200*	53.9	134.2	24,700*	58.8	136.4	29,100*							55
60	37.2	122.3	16,400*	41.6	125.8	17,900*	47.5	129.8	20,700*	52.8	132.8	24,000*	60.8	135.8	31,400*				60
65	27.7	113.8	14,000*	33.3	118.7	15,300*	40.3	124.2	17,500*	46.3	128.2	20,100*	55.0	132.4	25,700*				65
70				22.2	108.3	13,100*	31.7	116.8	14,900*	38.9	122.3	17,000*	48.7	128.2	21,400*	56.9	131.3	27,400*	70
75							19.7	105.4	12,800*	29.9	114.4	14,600*	41.7	122.9	18,100*	50.8	127.4	22,700*	75
80										16.7	101.6	12,500*	33.4	115.9	15,500*	44.0	122.4	19,100*	80
85													22.3	105.5	13,300*	36.2	116.1	16,300*	85
90																26.4	107.1	14,000*	90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 140 Ft. Jib

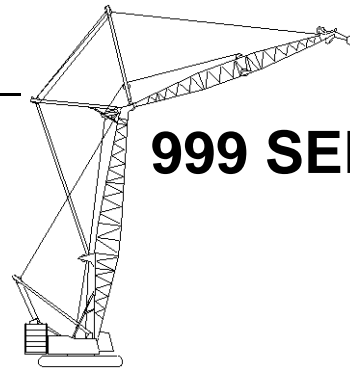
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	71.8	153.5	57,300*																35
40	67.3	151.4	44,700*	69.8	152.4	51,100*													40
45	62.7	148.9	36,200*	65.3	150.2	40,700*	69.1	151.5	49,100*										45
50	57.9	145.9	30,000*	60.6	147.4	33,300*	64.5	149.2	39,300*										50
55	52.8	142.2	25,300*	55.7	144.1	27,900*	59.8	146.4	32,400*	63.7	148.0	38,000*							55
60	47.3	137.7	21,600*	50.4	140.1	23,600*	54.8	143.0	27,100*	59.0	145.1	31,400*							60
65	41.2	132.3	18,700*	44.7	135.2	20,300*	49.5	138.8	23,100*	53.9	141.5	26,400*	60.7	144.5	33,600*				65
70	34.2	125.4	16,200*	38.2	129.2	17,600*	43.6	133.8	19,900*	48.5	137.3	22,500*	55.7	141.2	28,100*				70
75	25.4	116.0	14,100*	30.6	121.4	15,300*	37.0	127.5	17,200*	42.6	132.1	19,400*	50.5	137.2	23,900*	57.3	140.0	29,800*	75
80				20.4	110.0	13,300*	29.1	119.3	15,000*	35.8	125.5	16,900*	44.7	132.3	20,500*	52.2	136.3	25,200*	80
85							18.0	106.8	13,100*	27.5	116.8	14,700*	38.3	126.3	17,800*	46.6	131.7	21,600*	85
90										15.2	102.8	12,800*	30.7	118.5	15,500*	40.5	126.1	18,700*	90
95													20.5	107.2	13,500*	33.3	119.0	16,200*	95
100																24.2	109.2	14,200*	100

80 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.2	164.0	59,000*																35
40	70.3	162.3	53,900*	72.5	163.1	59,000*													40
45	66.4	160.1	43,900*	68.6	161.2	49,100*													45
50	62.4	157.6	36,600*	64.7	158.8	40,500*	68.0	160.3	47,500*										50
55	58.2	154.5	31,000*	60.5	156.1	34,000*	64.0	157.9	39,300*	67.3	159.2	45,900*							55
60	53.8	151.0	26,700*	56.2	152.8	29,100*	59.8	155.0	33,200*	63.3	156.7	38,200*							60
65	49.0	146.8	23,200*	51.7	149.0	25,100*	55.5	151.7	28,400*	59.1	153.8	32,400*							65
70	44.0	141.8	20,300*	46.8	144.4	21,900*	50.9	147.7	24,600*	54.7	150.3	27,800*	60.6	153.2	34,400*				70
75	38.3	135.7	17,900*	41.5	139.0	19,200*	46.0	143.1	21,500*	50.1	146.2	24,100*	56.3	149.9	29,400*				75
80	31.8	128.2	15,800*	35.6	132.4	17,000*	40.6	137.5	18,900*	45.1	141.4	21,100*	51.8	146.1	25,500*	57.7	148.7	30,900*	80
85	23.6	118.0	14,000*	28.5	123.9	15,000*	34.5	130.6	16,700*	39.6	135.6	18,600*	46.9	141.5	22,200*	53.2	145.1	26,700*	85
90				18.9	111.6	13,400*	27.1	121.6	14,800*	33.3	128.5	16,400*	41.6	136.1	19,500*	48.5	140.8	23,300*	90
95							16.8	108.2	13,100*	25.6	119.0	14,600*	35.6	129.5	17,200*	43.3	135.7	20,400*	95
100													28.5	121.0	15,300*	37.6	129.5	18,000*	100
105													19.0	108.8	13,600*	31.0	121.7	16,000*	105
110																22.5	111.1	14,200*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 160 Ft. Jib

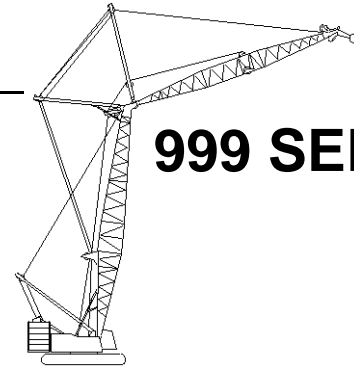
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	174.5	59,000*																35
40	72.6	172.9	59,000*																40
45	69.2	171.1	55,600*	71.1	171.9	59,000*													45
50	65.7	168.8	47,000*	67.7	169.9	51,700*	70.5	171.1	59,000*										50
55	62.1	166.2	40,000*	64.1	167.5	43,800*	67.1	169.0	50,400*										55
60	58.4	163.2	34,500*	60.5	164.7	37,500*	63.5	166.6	42,700*	66.5	167.9	48,900*							60
65	54.5	159.7	30,100*	56.7	161.5	32,600*	59.9	163.7	36,800*	62.9	165.3	41,700*							65
70	50.4	155.7	26,500*	52.7	157.8	28,500*	56.0	160.4	32,000*	59.2	162.4	35,900*							70
75	46.0	151.0	23,400*	48.5	153.5	25,100*	52.0	156.6	28,000*	55.3	159.0	31,300*	60.5	161.8	37,900*				75
80	41.2	145.5	20,800*	43.9	148.5	22,300*	47.7	152.2	24,800*	51.3	155.1	27,500*	56.7	158.6	33,000*				80
85	36.0	138.9	18,600*	39.0	142.5	19,900*	43.1	147.0	22,000*	47.0	150.6	24,400*	52.7	154.9	29,000*	58.0	157.4	34,500*	85
90	29.8	130.8	16,600*	33.4	135.3	17,800*	38.1	140.9	19,600*	42.3	145.3	21,700*	48.5	150.6	25,600*	54.0	153.8	30,300*	90
95	22.2	119.9	15,000*	26.7	126.2	15,900*	32.3	133.4	17,500*	37.1	139.0	19,300*	44.0	145.6	22,700*	49.9	149.7	26,700*	95
100				17.7	113.1	14,300*	25.4	123.8	15,700*	31.2	131.2	17,300*	39.0	139.6	20,300*	45.5	145.0	23,700*	100
105							15.7	109.5	14,100*	24.0	121.1	15,500*	33.4	132.5	18,100*	40.7	139.3	21,100*	105
110										13.2	105.0	14,000*	26.8	123.3	16,300*	35.3	132.6	18,900*	110
115													17.9	110.3	14,600*	29.1	124.2	17,000*	115
120																21.1	112.9	15,200*	120

80 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.2	164.0	59,000*																35
40	70.3	162.3	49,800*	72.5	163.1	56,700*													40
45	66.4	160.1	40,600*	68.6	161.2	45,400*													45
50	62.4	157.6	33,800*	64.7	158.8	37,400*	68.0	160.3	43,900*										50
55	58.2	154.5	28,700*	60.5	156.1	31,500*	64.0	157.9	36,400*	67.3	159.2	42,500*							55
60	53.8	151.0	24,600*	56.2	152.8	26,900*	59.8	155.0	30,700*	63.3	156.7	35,300*							60
65	49.0	146.8	21,400*	51.7	149.0	23,200*	55.5	151.7	26,300*	59.1	153.8	29,900*							65
70	44.0	141.8	18,700*	46.8	144.4	20,200*	50.9	147.7	22,700*	54.7	150.3	25,700*	60.6	153.2	31,800*				70
75	38.3	135.7	16,400*	41.5	139.0	17,700*	46.0	143.1	19,800*	50.1	146.2	22,300*	56.3	149.9	27,200*				75
80	31.8	128.2	14,500*	35.6	132.4	15,600*	40.6	137.5	17,400*	45.1	141.4	19,500*	51.8	146.1	23,500*	57.7	148.7	28,600*	80
85	23.6	118.0	12,900*	28.5	123.9	13,800*	34.5	130.6	15,400*	39.6	135.6	17,100*	46.9	141.5	20,500*	53.2	145.1	24,700*	85
90				18.9	111.6	12,300*	27.1	121.6	13,600*	33.3	128.5	15,100*	41.6	136.1	18,000*	48.5	140.8	21,500*	90
95							16.8	108.2	12,100*	25.6	119.0	13,400*	35.6	129.5	15,900*	43.3	135.7	18,900*	95
100										14.1	103.9	11,900*	28.5	121.0	14,100*	37.6	129.5	16,600*	100
105													19.0	108.8	12,500*	31.0	121.7	14,700*	105
110																22.5	111.1	13,100*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 180 Ft. Jib

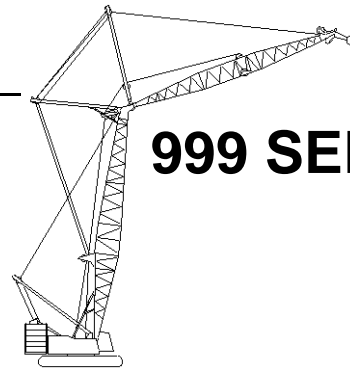
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	76.0	174.5	59,000*																35
40	72.6	172.9	59,000*																40
45	69.2	171.1	51,500*	71.1	171.9	57,400*													45
50	65.7	168.8	43,100*	67.7	169.9	47,500*	70.5	171.1	55,500*										50
55	62.1	166.2	36,600*	64.1	167.5	40,100*	67.1	169.0	46,200*										55
60	58.4	163.2	31,600*	60.5	164.7	34,400*	63.5	166.6	39,100*	66.5	167.9	44,800*							60
65	54.5	159.7	27,500*	56.7	161.5	29,800*	59.9	163.7	33,700*	62.9	165.3	38,200*							65
70	50.4	155.7	24,200*	52.7	157.8	26,100*	56.0	160.4	29,200*	59.2	162.4	32,900*							70
75	46.0	151.0	21,300*	48.5	153.5	23,000*	52.0	156.6	25,600*	55.3	159.0	28,700*	60.5	161.8	34,700*				75
80	41.2	145.5	19,000*	43.9	148.5	20,300*	47.7	152.2	22,600*	51.3	155.1	25,200*	56.7	158.6	30,200*				80
85	36.0	138.9	16,900*	39.0	142.5	18,100*	43.1	147.0	20,100*	47.0	150.6	22,200*	52.7	154.9	26,500*	58.0	157.4	31,600*	85
90	29.8	130.8	15,100*	33.4	135.3	16,200*	38.1	140.9	17,900*	42.3	145.3	19,800*	48.5	150.6	23,400*	54.0	153.8	27,700*	90
95	22.2	119.9	13,600*	26.7	126.2	14,500*	32.3	133.4	16,000*	37.1	139.0	17,600*	44.0	145.6	20,700*	49.9	149.7	24,400*	95
100				17.7	113.1	13,000*	25.4	123.8	14,300*	31.2	131.2	15,800*	39.0	139.6	18,500*	45.5	145.0	21,700*	100
105							15.7	109.5	12,900*	24.0	121.1	14,100*	33.4	132.5	16,500*	40.7	139.3	19,300*	105
110										13.2	105.0	12,700*	26.8	123.3	14,800*	35.3	132.6	17,300*	110
115													17.9	110.3	13,300*	29.1	124.2	15,500*	115
120																21.1	112.9	13,900*	120

80 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.2	164.0	58,700*																35
40	70.3	162.3	46,200*	72.5	163.1	52,500*													40
45	66.4	160.1	37,600*	68.6	161.2	42,100*													45
50	62.4	157.6	31,300*	64.7	158.8	34,600*	68.0	160.3	40,700*										50
55	58.2	154.5	26,500*	60.5	156.1	29,100*	64.0	157.9	33,700*	67.3	159.2	39,400*							55
60	53.8	151.0	22,800*	56.2	152.8	24,800*	59.8	155.0	28,400*	63.3	156.7	32,700*							60
65	49.0	146.8	19,700*	51.7	149.0	21,400*	55.5	151.7	24,300*	59.1	153.8	27,700*							65
70	44.0	141.8	17,200*	46.8	144.4	18,600*	50.9	147.7	21,000*	54.7	150.3	23,800*	60.6	153.2	29,400*				70
75	38.3	135.7	15,100*	41.5	139.0	16,300*	46.0	143.1	18,300*	50.1	146.2	20,600*	56.3	149.9	25,200*				75
80	31.8	128.2	13,400*	35.6	132.4	14,400*	40.6	137.5	16,100*	45.1	141.4	18,000*	51.8	146.1	21,800*	57.7	148.7	26,500*	80
85	23.6	118.0	11,900*	28.5	123.9	12,700*	34.5	130.6	14,200*	39.6	135.6	15,800*	46.9	141.5	19,000*	53.2	145.1	22,900*	85
90				18.9	111.6	11,300*	27.1	121.6	12,500*	33.3	128.5	13,900*	41.6	136.1	16,600*	48.5	140.8	19,900*	90
95							16.8	108.2	11,200*	25.6	119.0	12,400*	35.6	129.5	14,700*	43.3	135.7	17,400*	95
100										14.1	103.9	11,000*	28.5	121.0	13,000*	37.6	129.5	15,400*	100
105													19.0	108.8	11,500*	31.0	121.7	13,600*	105
110																22.5	111.1	12,100*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

80 Ft. Boom, 200 Ft. Jib

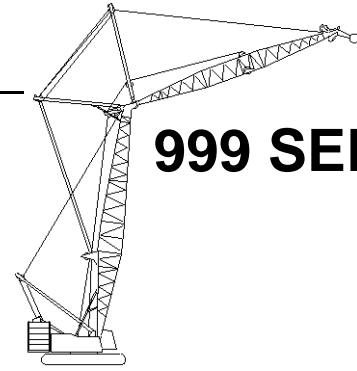
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	174.5	59,000*																35
40	72.6	172.9	58,000*																40
45	69.2	171.1	47,400*	71.1	171.9	52,900*													45
50	65.7	168.8	39,700*	67.7	169.9	43,800*	70.5	171.1	51,200*										50
55	62.1	166.2	33,700*	64.1	167.5	36,900*	67.1	169.0	42,600*										55
60	58.4	163.2	29,100*	60.5	164.7	31,600*	63.5	166.6	36,100*	66.5	167.9	41,400*							60
65	54.5	159.7	25,300*	56.7	161.5	27,400*	59.9	163.7	31,000*	62.9	165.3	35,200*							65
70	50.4	155.7	22,200*	52.7	157.8	23,900*	56.0	160.4	26,900*	59.2	162.4	30,300*							70
75	46.0	151.0	19,600*	48.5	153.5	21,100*	52.0	156.6	23,600*	55.3	159.0	26,400*	60.5	161.8	32,000*				75
80	41.2	145.5	17,400*	43.9	148.5	18,700*	47.7	152.2	20,800*	51.3	155.1	23,100*	56.7	158.6	27,800*				80
85	36.0	138.9	15,500*	39.0	142.5	16,600*	43.1	147.0	18,400*	47.0	150.6	20,400*	52.7	154.9	24,400*	58.0	157.4	29,100*	85
90	29.8	130.8	13,800*	33.4	135.3	14,800*	38.1	140.9	16,400*	42.3	145.3	18,100*	48.5	150.6	21,500*	54.0	153.8	25,500*	90
95	22.2	119.9	12,400*	26.7	126.2	13,300*	32.3	133.4	14,600*	37.1	139.0	16,200*	44.0	145.6	19,100*	49.9	149.7	22,500*	95
100				17.7	113.1	11,900*	25.4	123.8	13,100*	31.2	131.2	14,500*	39.0	139.6	17,000*	45.5	145.0	19,900*	100
105							15.7	109.5	11,800*	24.0	121.1	12,900*	33.4	132.5	15,200*	40.7	139.3	17,700*	105
110										13.2	105.0	11,700*	26.8	123.3	13,600*	35.3	132.6	15,900*	110
115													17.9	110.3	12,200*	29.1	124.2	14,200*	115
120																21.1	112.9	12,700*	120

80 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.4	183.4	59,000*																40
45	71.4	181.8	53,400*	73.1	182.5	58,400*													45
50	68.3	179.8	46,000*	70.0	180.7	49,900*													50
55	65.2	177.5	39,500*	66.9	178.6	43,100*	69.5	179.9	48,700*										55
60	61.9	174.9	34,200*	63.7	176.2	37,100*	66.4	177.7	42,100*										60
65	58.5	171.9	29,800*	60.4	173.4	32,300*	63.2	175.2	36,300*	65.8	176.6	41,100*							65
70	55.1	168.5	26,300*	57.0	170.2	28,300*	59.9	172.4	31,700*	62.6	174.0	35,500*							70
75	51.4	164.6	23,300*	53.5	166.6	25,000*	56.4	169.1	27,900*	59.3	171.1	31,100*							75
80	47.6	160.1	20,800*	49.7	162.4	22,200*	52.9	165.4	24,700*	55.8	167.8	27,400*	60.5	170.5	32,700*				80
85	43.4	155.0	18,600*	45.8	157.7	19,900*	49.1	161.2	22,000*	52.2	164.0	24,300*	57.1	167.3	28,800*				85
90	39.0	149.0	16,700*	41.5	152.2	17,800*	45.1	156.3	19,600*	48.4	159.6	21,700*	53.5	163.7	25,500*				90
95	34.0	141.9	15,000*	36.8	145.8	16,000*	40.8	150.7	17,600*	44.3	154.7	19,400*	49.8	159.5	22,700*	54.7	162.6	26,600*	95
100	28.2	133.2	13,500*	31.5	138.1	14,400*	36.0	144.1	15,800*	40.0	148.9	17,400*	45.8	154.8	20,300*	51.0	158.6	23,700*	100
105	20.9	121.7	12,200*	25.2	128.4	13,000*	30.6	136.1	14,300*	35.1	142.1	15,700*	41.6	149.3	18,300*	47.1	154.1	21,200*	105
110				16.7	114.5	11,800*	24.0	125.9	12,900*	29.5	133.8	14,200*	36.9	142.9	16,400*	43.0	148.9	19,000*	110
115							14.8	110.7	11,700*	22.7	123.0	12,800*	31.6	135.2	14,800*	38.4	142.8	17,200*	115
120										12.5	106.0	11,300*	25.3	125.5	13,400*	33.4	135.6	15,500*	120
125													16.9	111.7	12,200*	27.5	126.6	14,000*	125
130																20.0	114.6	12,700*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

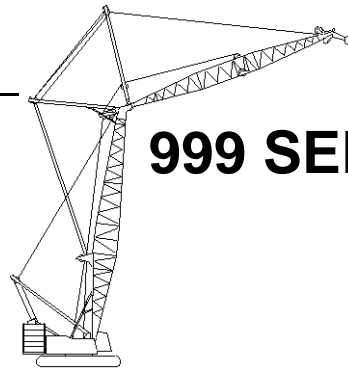
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

80 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	75.9	193.8	59,000*																40
45	73.2	192.3	51,900*																45
50	70.4	190.6	44,500*	71.9	191.4	48,400*													50
55	67.6	188.5	38,600*	69.1	189.5	41,800*													55
60	64.7	186.2	33,900*	66.3	187.3	36,400*	68.7	188.6	40,800*										60
65	61.7	183.6	29,900*	63.4	184.8	32,000*	65.8	186.4	35,600*										65
70	58.7	180.6	26,600*	60.4	182.1	28,400*	62.9	183.9	31,400*	65.3	185.2	34,800*							70
75	55.5	177.2	23,700*	57.3	178.9	25,300*	59.9	181.0	27,900*	62.4	182.7	30,700*							75
80	52.3	173.4	21,100*	54.1	175.3	22,600*	56.8	177.8	24,900*	59.3	179.8	27,300*							80
85	48.8	169.1	18,700*	50.7	171.3	20,100*	53.5	174.2	22,300*	56.2	176.5	24,400*	60.4	179.1	28,400*				85
90	45.2	164.3	16,600*	47.2	166.8	17,800*	50.2	170.1	19,900*	53.0	172.8	21,900*	57.3	176.0	25,300*				90
95	41.3	158.7	14,800*	43.5	161.7	15,900*	46.6	165.5	17,600*	49.6	168.6	19,600*	54.1	172.4	22,700*				95
100	37.0	152.3	13,100*	39.4	155.8	14,100*	42.8	160.2	15,700*	46.0	163.9	17,400*	50.8	168.4	20,400*	55.2	171.3	23,500*	100
105	32.3	144.8	11,700*	35.0	148.9	12,600*	38.7	154.2	14,000*	42.1	158.5	15,500*	47.3	163.9	18,400*	51.9	167.5	21,100*	105
110	26.8	135.6	10,400*	30.0	140.7	11,200*	34.2	147.1	12,500*	38.0	152.3	13,800*	43.5	158.8	16,300*	48.4	163.1	19,100*	110
115	19.9	123.3	9,300*	24.0	130.4	10,000*	29.1	138.7	11,100*	33.4	145.0	12,400*	39.5	152.9	14,600*	44.7	158.2	17,100*	115
120				15.9	115.8	7,800*	22.8	127.9	9,900*	28.1	136.2	11,000*	35.1	146.1	13,000*	40.8	152.6	15,300*	120
125							14.1	111.8	7,600*	21.6	124.9	9,800*	30.0	137.9	11,600*	36.5	146.1	13,700*	125
130										11.8	106.9	7,000*	24.1	127.6	10,400*	31.7	138.4	12,200*	130
135													16.0	113.0	8,700*	26.1	128.9	10,900*	135
140																19.0	116.2	9,500*	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

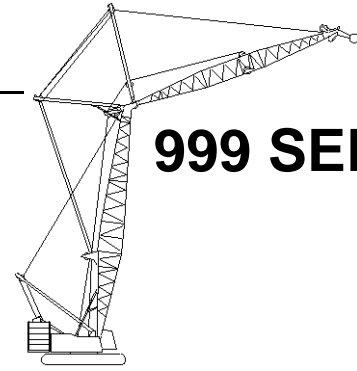
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

80 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.6	202.8	56,500*																45
50	72.1	201.2	48,800*	73.5	201.9	52,800*													50
55	69.5	199.4	42,600*	71.0	200.2	45,900*													55
60	67.0	197.3	37,600*	68.4	198.2	40,300*	70.5	199.4	44,900*										60
65	64.3	194.9	33,400*	65.8	196.0	35,700*	68.0	197.4	39,500*										65
70	61.6	192.2	29,900*	63.1	193.5	31,800*	65.3	195.1	35,000*	67.5	196.2	38,600*							70
75	58.8	189.2	26,900*	60.4	190.7	28,600*	62.6	192.5	31,300*	64.9	193.9	34,300*							75
80	55.9	185.9	24,300*	57.5	187.6	25,700*	59.9	189.7	28,100*	62.2	191.3	30,700*							80
85	52.9	182.2	22,000*	54.6	184.1	23,300*	57.0	186.5	25,300*	59.4	188.4	27,600*							85
90	49.8	178.0	20,000*	51.6	180.2	21,100*	54.1	182.9	22,900*	56.5	185.2	24,900*	60.4	187.8	28,600*				90
95	46.6	173.4	17,900*	48.4	175.8	19,200*	51.1	179.0	20,800*	53.6	181.5	22,600*	57.6	184.7	25,800*				95
100	43.1	168.2	16,100*	45.1	171.0	17,200*	47.9	174.5	19,000*	50.5	177.5	20,500*	54.6	181.2	23,400*				100
105	39.4	162.3	14,500*	41.5	165.5	15,500*	44.5	169.6	17,100*	47.3	173.0	18,700*	51.6	177.3	21,200*	55.6	180.0	24,100*	105
110	35.4	155.5	13,000*	37.6	159.2	14,000*	40.9	163.9	15,400*	43.9	167.9	17,000*	48.4	172.9	19,300*	52.6	176.3	21,900*	110
115	30.8	147.5	11,400*	33.4	151.9	12,600*	37.0	157.5	13,900*	40.2	162.1	15,300*	45.1	168.1	17,600*	49.5	172.1	19,900*	115
120	25.6	137.8	8,800*	28.6	143.3	10,200*	32.7	150.0	12,400*	36.2	155.6	13,800*	41.5	162.6	16,100*	46.2	167.4	18,200*	120
125	19.0	125.0	6,500*	22.9	132.4	7,700*	27.7	141.1	9,700*	31.9	147.9	11,900*	37.7	156.3	14,500*	42.7	162.1	16,600*	125
130				15.2	117.0	4,100*	21.8	129.7	7,300*	26.8	138.6	9,200*	33.5	149.0	12,800*	39.0	156.1	15,200*	130
135							13.4	112.9	4,100*	20.6	126.6	6,800*	28.7	140.4	10,100*	34.9	149.2	13,700*	135
140													23.0	129.6	7,600*	30.3	141.1	10,900*	140
145													15.3	114.3	5,200*	24.9	131.1	8,300*	145
150																18.1	117.7	5,900*	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

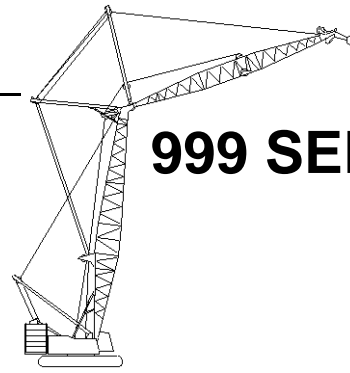
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

80 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.8	213.2	54,700*																45
50	73.5	211.7	47,200*																50
55	71.2	210.0	41,100*	72.5	210.8	44,400*													55
60	68.8	208.1	36,100*	70.2	209.0	38,800*													60
65	66.4	206.0	31,900*	67.8	207.0	34,200*	69.8	208.2	38,000*										65
70	64.0	203.6	28,400*	65.3	204.7	30,300*	67.4	206.1	33,500*										70
75	61.5	200.9	25,400*	62.9	202.2	27,000*	64.9	203.8	29,800*	66.9	205.0	32,800*							75
80	58.9	197.9	22,800*	60.3	199.4	24,200*	62.4	201.2	26,600*	64.5	202.6	29,200*							80
85	56.2	194.6	20,500*	57.7	196.3	21,700*	59.9	198.3	23,800*	62.0	200.0	26,000*							85
90	53.5	191.0	18,400*	55.0	192.8	19,600*	57.3	195.2	21,400*	59.4	197.1	23,400*	62.9	199.3	27,000*				90
95	50.7	186.9	16,600*	52.3	189.0	17,600*	54.6	191.7	19,300*	56.8	193.9	21,000*	60.4	196.4	24,200*				95
100	47.7	182.5	15,000*	49.4	184.8	15,900*	51.8	187.8	17,400*	54.1	190.3	18,900*	57.8	193.3	21,800*				100
105	44.6	177.5	13,500*	46.4	180.1	14,400*	48.9	183.5	15,700*	51.3	186.4	17,100*	55.1	189.9	19,600*				105
110	41.3	172.0	12,200*	43.2	174.9	13,000*	45.8	178.8	14,200*	48.4	182.0	15,400*	52.3	186.1	17,700*	55.9	188.7	20,300*	110
115	37.7	165.7	11,000*	39.8	169.1	11,700*	42.6	173.4	12,800*	45.3	177.1	13,900*	49.4	181.9	16,000*	53.2	185.1	18,300*	115
120	33.9	158.5	9,500*	36.1	162.4	10,600*	39.2	167.5	11,500*	42.0	171.7	12,600*	46.4	177.2	14,500*	50.3	181.0	16,500*	120
125	29.6	150.1	7,100*	32.0	154.7	8,400*	35.4	160.7	10,400*	38.5	165.6	11,400*	43.2	172.0	13,100*	47.4	176.5	15,000*	125
130	24.5	139.9	5,000*	27.4	145.7	6,200*	31.3	152.8	8,000*	34.7	158.7	9,900*	39.8	166.2	11,800*	44.2	171.4	13,500*	130
135				22.0	134.3	4,100*	26.6	143.4	5,800*	30.5	150.6	7,500*	36.1	159.5	10,700*	40.9	165.8	12,200*	135
140										25.7	140.8	5,300*	32.1	151.9	8,300*	37.3	159.5	11,100*	140
145													27.5	142.8	6,000*	33.4	152.2	9,100*	145
150																29.0	143.6	6,700*	150
155																23.9	133.1	4,500*	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 70 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	56.9	130.0	37,000*	62.3	131.9	44,400*b													35
40	47.3	125.7	29,100*	53.4	128.3	33,700*	61.7	131.1	43,700*b										40
45	35.6	119.4	23,500*	43.3	123.4	26,800*	52.8	127.5	33,300*	61.1	130.1	42,900*b							45
50	17.4	107.8	19,200*	30.2	115.9	21,900*	42.5	122.4	26,500*	52.2	126.4	32,800*							50
55							29.2	114.7	21,700*	41.7	121.2	26,200*	57.0	126.6	37,600*				55
60										28.0	113.1	21,400*	47.4	122.2	29,500*				60
65													35.8	116.0	23,900*	52.3	122.0	33,100*	65
70													17.8	104.6	19,500*	41.8	116.8	26,500*	70
75																28.1	108.8	21,600*	75

90 Ft. Boom, 80 Ft. Jib

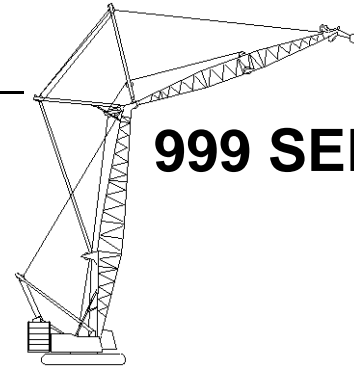
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	42,100*b																30
35	56.9	130.0	31,000*	62.3	131.9	37,300*													35
40	47.3	125.7	24,100*	53.4	128.3	28,200*	61.7	131.1	36,700*										40
45	35.6	119.4	19,400*	43.3	123.4	22,200*	52.8	127.5	27,800*	61.1	130.1	36,000*							45
50	17.4	107.8	15,700*	30.2	115.9	18,000*	42.5	122.4	22,000*	52.2	126.4	27,400*							50
55							29.2	114.7	17,800*	41.7	121.2	21,700*	57.0	126.6	31,500*				55
60										28.0	113.1	17,600*	47.4	122.2	24,500*				60
65													35.8	116.0	19,600*	52.3	122.0	27,600*	65
70													17.8	104.6	15,900*	41.8	116.8	21,900*	70
75																28.1	108.8	17,700*	75

90 Ft. Boom, 90 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	37,400*b																30
35	56.9	130.0	27,400*	62.3	131.9	33,100*													35
40	47.3	125.7	21,200*	53.4	128.3	24,800*	61.7	131.1	32,500*										40
45	35.6	119.4	16,900*	43.3	123.4	19,400*	52.8	127.5	24,400*	61.1	130.1	31,800*							45
50	17.4	107.8	13,600*	30.2	115.9	15,600*	42.5	122.4	19,200*	52.2	126.4	24,000*							50
55							29.2	114.7	15,400*	41.7	121.2	18,900*	57.0	126.6	27,800*				55
60										28.0	113.1	15,200*	47.4	122.2	21,400*				60
65													35.8	116.0	17,100*	52.3	122.0	24,300*	65
70													17.8	104.6	13,700*	41.8	116.8	19,100*	70
75																28.1	108.8	15,300*	75



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 100 Ft. Jib

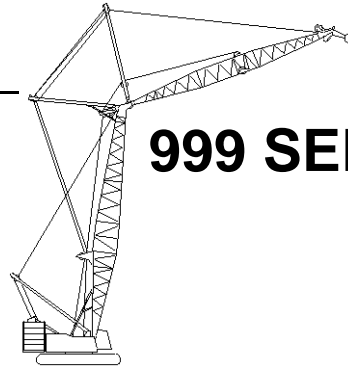
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	70.7	144.1	53,900*b																30
35	64.3	141.8	39,500*	68.3	143.1	47,700*													35
40	57.5	138.7	30,700*	61.8	140.5	35,800*	67.9	142.4	46,800*										40
45	50.1	134.7	24,700*	54.8	137.1	28,200*	61.4	139.7	35,300*	67.5	141.4	45,900*							45
50	41.7	129.5	20,300*	47.1	132.7	22,900*	54.4	136.3	27,900*	60.9	138.7	34,800*							50
55	31.4	122.1	16,900*	38.2	126.8	19,000*	46.6	131.8	22,700*	53.8	135.2	27,500*							55
60	15.2	109.0	14,200*	26.6	118.1	15,900*	37.6	125.8	18,800*	46.0	130.6	22,400*	57.6	135.3	31,100*				60
65							25.7	116.8	15,700*	36.8	124.4	18,600*	50.2	131.3	25,000*				65
70										24.6	115.1	15,600*	41.9	126.0	20,600*	53.9	130.8	27,800*	70
75													31.6	118.7	17,200*	46.1	126.2	22,600*	75
80													15.6	105.8	14,300*	36.9	120.1	18,800*	80
85																24.8	110.8	15,700*	85

90 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	34,900*	70.4	134.4	44,300*													30
35	56.9	130.0	25,700*	62.3	131.9	30,900*	69.9	133.7	43,300*										35
40	47.3	125.7	20,000*	53.4	128.3	23,300*	61.7	131.1	30,400*										40
45	35.6	119.4	16,100*	43.3	123.4	18,400*	52.8	127.5	23,000*	61.1	130.1	29,800*							45
50	17.4	107.8	13,100*	30.2	115.9	14,900*	42.5	122.4	18,200*	52.2	126.4	22,600*							50
55							29.2	114.7	14,700*	41.7	121.2	17,900*	57.0	126.6	26,000*				55
60										28.0	113.1	14,500*	47.4	122.2	20,200*				60
65													35.8	116.0	16,200*	52.3	122.0	22,800*	65
70													17.8	104.6	13,200*	41.8	116.8	18,100*	70
75																28.1	108.8	14,700*	75



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 120 Ft. Jib

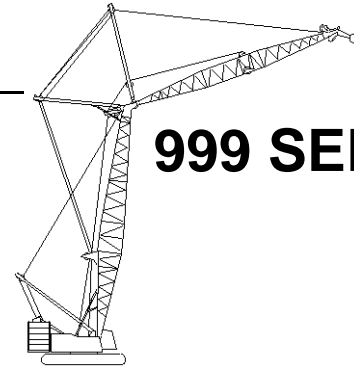
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	70.7	144.1	48,500*																30
35	64.3	141.8	35,600*	68.3	143.1	42,900*													35
40	57.5	138.7	27,600*	61.8	140.5	32,200*	67.9	142.4	42,100*										40
45	50.1	134.7	22,100*	54.8	137.1	25,400*	61.4	139.7	31,800*	67.5	141.4	41,200*							45
50	41.7	129.5	18,200*	47.1	132.7	20,600*	54.4	136.3	25,100*	60.9	138.7	31,200*							50
55	31.4	122.1	15,200*	38.2	126.8	17,000*	46.6	131.8	20,300*	53.8	135.2	24,700*							55
60	15.2	109.0	12,700*	26.6	118.1	14,200*	37.6	125.8	16,800*	46.0	130.6	20,100*	57.6	135.3	27,900*				60
65							25.7	116.8	14,100*	36.8	124.4	16,700*	50.2	131.3	22,400*				65
70										24.6	115.1	14,000*	41.9	126.0	18,400*	53.9	130.8	24,900*	70
75													31.6	118.7	15,400*	46.1	126.2	20,300*	75
80													15.6	105.8	12,900*	36.9	120.1	16,800*	80
85																24.8	110.8	14,100*	85

90 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	74.0	154.7	59,000*																30
35	68.9	152.9	45,000*	72.1	153.9	54,200*													35
40	63.6	150.5	35,000*	66.9	151.8	40,800*													40
45	57.9	147.4	28,100*	61.5	149.2	32,200*	66.6	151.1	40,200*										45
50	51.9	143.6	23,200*	55.8	145.9	26,200*	61.2	148.4	31,800*	66.2	150.1	39,600*							50
55	45.3	138.9	19,500*	49.5	141.7	21,800*	55.4	145.1	25,900*	60.7	147.4	31,400*							55
60	37.7	132.8	16,500*	42.6	136.6	18,300*	49.1	140.9	21,600*	54.9	144.0	25,600*							60
65	28.4	124.5	14,200*	34.5	129.8	15,600*	42.1	135.6	18,200*	48.6	139.7	21,400*	58.0	144.0	28,500*				65
70	13.6	110.0	12,200*	24.0	120.1	13,400*	34.0	128.8	15,500*	41.6	134.4	18,000*	52.0	140.2	23,500*	55.0	139.6	25,800*	70
75							23.2	118.7	13,300*	33.3	127.4	15,400*	45.4	135.5	19,800*	48.7	135.3	21,500*	75
80										22.2	117.0	13,200*	37.9	129.4	16,800*	41.7	130.0	18,200*	80
85													28.6	121.2	14,400*	33.4	123.0	15,600*	85
90													14.0	106.8	12,300*	33.4	123.0	15,600*	90
95																22.4	112.7	13,300*	95



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 140 Ft. Jib

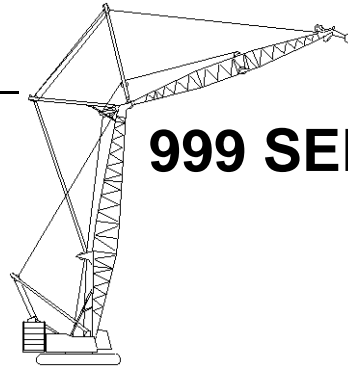
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	72.1	163.6	58,500*																35
40	67.6	161.6	45,600*	70.4	162.7	53,100*													40
45	63.1	159.1	36,800*	66.0	160.5	42,000*	70.2	162.0	52,300*										45
50	58.3	156.1	30,400*	61.3	157.8	34,300*	65.7	159.8	41,500*										50
55	53.2	152.5	25,600*	56.4	154.6	28,600*	61.0	157.1	33,900*	65.3	158.8	40,900*							55
60	47.7	148.1	21,900*	51.2	150.7	24,200*	56.1	153.8	28,300*	60.6	156.0	33,600*							60
65	41.6	142.7	18,800*	45.5	145.9	20,700*	50.8	149.8	24,000*	55.7	152.7	28,100*							65
70	34.7	135.9	16,300*	39.2	140.1	17,900*	45.1	145.0	20,600*	50.4	148.7	23,800*	58.3	152.6	30,900*				70
75	26.1	126.8	14,200*	31.8	132.6	15,600*	38.7	139.1	17,800*	44.7	143.8	20,400*	53.2	149.0	26,000*				75
80	12.4	110.9	12,500*	22.1	122.0	13,600*	31.2	131.5	15,500*	38.3	137.8	17,700*	47.8	144.6	22,200*	55.8	148.3	28,300*	80
85							21.3	120.5	13,500*	30.6	130.0	15,400*	41.7	139.3	19,200*	50.5	144.3	24,100*	85
90										20.4	118.7	13,400*	34.8	132.5	16,600*	44.8	139.5	20,700*	90
95													26.3	123.4	14,500*	38.3	133.5	17,900*	95
100													12.8	107.8	12,700*	30.7	125.7	15,600*	100
105																20.5	114.4	13,600*	105

90 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	54,900*	73.0	173.3	59,000*													40
45	66.7	170.3	44,500*	69.2	171.4	50,600*													45
50	62.7	167.8	37,100*	65.2	169.2	41,600*	68.9	170.7	50,100*										50
55	58.5	164.8	31,400*	61.1	166.5	34,900*	65.0	168.4	41,200*										55
60	54.1	161.2	27,000*	56.9	163.3	29,700*	60.9	165.7	34,600*	64.7	167.4	40,700*							60
65	49.4	157.1	23,400*	52.4	159.5	25,600*	56.6	162.5	29,500*	60.6	164.7	34,300*							65
70	44.3	152.1	20,400*	47.5	155.1	22,300*	52.1	158.7	25,500*	56.3	161.4	29,300*	62.7	164.3	37,500*				70
75	38.7	146.2	18,000*	42.3	149.8	19,600*	47.2	154.2	22,200*	51.7	157.6	25,300*	58.5	161.3	31,900*				75
80	32.3	138.7	15,900*	36.4	143.4	17,200*	42.0	148.9	19,500*	46.9	153.0	22,100*	54.1	157.8	27,400*				80
85	24.3	128.8	14,100*	29.5	135.2	15,300*	36.0	142.3	17,200*	41.6	147.6	19,400*	49.5	153.6	23,800*	56.3	157.0	29,600*	85
90	11.5	111.8	12,600*	20.5	123.7	13,600*	29.1	134.0	15,200*	35.6	141.0	17,100*	44.4	148.7	20,900*	51.8	153.2	25,600*	90
95							19.8	122.2	13,500*	28.5	132.5	15,200*	38.8	142.8	18,400*	46.9	148.6	22,400*	95
100										19.0	120.2	13,500*	32.4	135.4	16,300*	41.6	143.2	19,700*	100
105													24.4	125.5	14,400*	35.6	136.6	17,400*	105
110													11.8	108.7	12,800*	28.6	128.2	15,400*	110
115																19.1	116.0	13,700*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 160 Ft. Jib

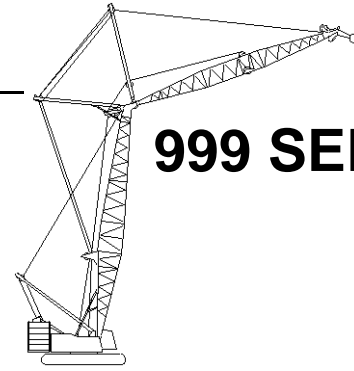
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*																40
45	69.5	181.2	56,300*	71.6	182.1	59,000*													45
50	66.0	179.0	47,600*	68.2	180.2	53,000*													50
55	62.4	176.4	40,500*	64.6	177.8	44,900*	67.9	179.5	52,700*										55
60	58.6	173.4	34,900*	61.0	175.1	38,400*	64.4	177.1	44,500*	67.7	178.5	52,100*							60
65	54.8	170.0	30,400*	57.2	172.0	33,200*	60.8	174.4	38,200*	64.2	176.1	44,100*							65
70	50.7	166.0	26,700*	53.3	168.3	29,000*	57.0	171.2	33,100*	60.5	173.3	37,900*							70
75	46.3	161.3	23,600*	49.1	164.1	25,600*	53.0	167.5	28,900*	56.7	170.1	32,900*	62.4	173.0	41,000*				75
80	41.6	155.9	20,900*	44.6	159.2	22,600*	48.8	163.2	25,500*	52.7	166.4	28,800*	58.7	170.0	35,500*				80
85	36.3	149.4	18,700*	39.7	153.4	20,200*	44.3	158.3	22,600*	48.5	162.1	25,400*	54.8	166.5	31,000*				85
90	30.3	141.4	16,700*	34.2	146.4	18,000*	39.4	152.4	20,100*	44.0	157.1	22,600*	50.7	162.5	27,300*	56.7	165.7	33,200*	90
95	22.8	130.8	15,000*	27.7	137.6	16,100*	33.8	145.3	18,000*	39.0	151.1	20,100*	46.4	157.9	24,200*	52.8	162.0	29,100*	95
100	10.7	112.6	13,600*	19.2	125.3	14,500*	27.3	136.4	16,100*	33.4	143.9	18,000*	41.7	152.5	21,500*	48.5	157.7	25,800*	100
105							18.6	123.7	14,500*	26.7	134.8	16,100*	36.4	146.0	19,200*	44.0	152.7	22,900*	105
110										17.8	121.7	14,500*	30.4	138.0	17,200*	39.1	146.8	20,400*	110
115													22.9	127.5	15,400*	33.5	139.6	18,300*	115
120													11.0	109.6	13,900*	26.8	130.5	16,400*	120
125																17.9	117.5	14,700*	125

90 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	50,700*	73.0	173.3	58,800*													40
45	66.7	170.3	41,200*	69.2	171.4	46,800*													45
50	62.7	167.8	34,300*	65.2	169.2	38,400*	68.9	170.7	46,300*										50
55	58.5	164.8	29,000*	61.1	166.5	32,200*	65.0	168.4	38,100*										55
60	54.1	161.2	24,900*	56.9	163.3	27,400*	60.9	165.7	32,000*	64.7	167.4	37,700*							60
65	49.4	157.1	21,600*	52.4	159.5	23,700*	56.6	162.5	27,300*	60.6	164.7	31,700*							65
70	44.3	152.1	18,800*	47.5	155.1	20,600*	52.1	158.7	23,500*	56.3	161.4	27,100*	62.7	164.3	34,700*				70
75	38.7	146.2	16,600*	42.3	149.8	18,000*	47.2	154.2	20,500*	51.7	157.6	23,400*	58.5	161.3	29,500*				75
80	32.3	138.7	14,600*	36.4	143.4	15,900*	42.0	148.9	18,000*	46.9	153.0	20,400*	54.1	157.8	25,400*				80
85	24.3	128.8	13,000*	29.5	135.2	14,000*	36.0	142.3	15,800*	41.6	147.6	17,900*	49.5	153.6	22,000*	56.3	157.0	27,300*	85
90	11.5	111.8	11,600*	20.5	123.7	12,500*	29.1	134.0	14,000*	35.6	141.0	15,800*	44.4	148.7	19,300*	51.8	153.2	23,700*	90
95							19.8	122.2	12,400*	28.5	132.5	14,000*	38.8	142.8	17,000*	46.9	148.6	20,700*	95
100										19.0	120.2	12,400*	32.4	135.4	15,000*	41.6	143.2	18,200*	100
105													24.4	125.5	13,300*	35.6	136.6	16,000*	105
110																28.6	128.2	14,200*	110
115																19.1	116.0	12,600*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 180 Ft. Jib

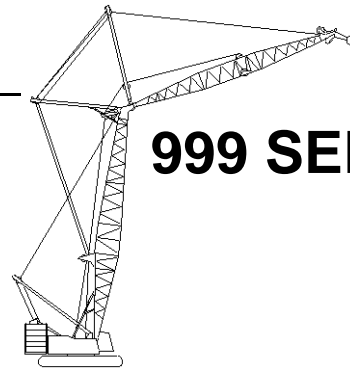
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*																40
45	69.5	181.2	52,300*	71.6	182.1	59,000*													45
50	66.0	179.0	43,600*	68.2	180.2	48,800*													50
55	62.4	176.4	37,100*	64.6	177.8	41,100*	67.9	179.5	48,300*										55
60	58.6	173.4	31,900*	61.0	175.1	35,100*	64.4	177.1	40,800*	67.7	178.5	47,700*							60
65	54.8	170.0	27,800*	57.2	172.0	30,400*	60.8	174.4	34,900*	64.2	176.1	40,400*							65
70	50.7	166.0	24,400*	53.3	168.3	26,500*	57.0	171.2	30,300*	60.5	173.3	34,700*							70
75	46.3	161.3	21,500*	49.1	164.1	23,300*	53.0	167.5	26,500*	56.7	170.1	30,100*	62.4	173.0	37,600*				75
80	41.6	155.9	19,100*	44.6	159.2	20,700*	48.8	163.2	23,300*	52.7	166.4	26,300*	58.7	170.0	32,500*				80
85	36.3	149.4	17,000*	39.7	153.4	18,400*	44.3	158.3	20,600*	48.5	162.1	23,200*	54.8	166.5	28,400*				85
90	30.3	141.4	15,200*	34.2	146.4	16,400*	39.4	152.4	18,400*	44.0	157.1	20,600*	50.7	162.5	25,000*	56.7	165.7	30,400*	90
95	22.8	130.8	13,600*	27.7	137.6	14,700*	33.8	145.3	16,400*	39.0	151.1	18,300*	46.4	157.9	22,100*	52.8	162.0	26,700*	95
100	10.7	112.6	12,300*	19.2	125.3	13,200*	27.3	136.4	14,700*	33.4	143.9	16,400*	41.7	152.5	19,600*	48.5	157.7	23,600*	100
105							18.6	123.7	13,200*	26.7	134.8	14,700*	36.4	146.0	17,500*	44.0	152.7	20,900*	105
110										17.8	121.7	13,200*	30.4	138.0	15,700*	39.1	146.8	18,700*	110
115													22.9	127.5	14,100*	33.5	139.6	16,700*	115
120													11.0	109.6	12,600*	26.8	130.5	15,000*	120
125																17.9	117.5	13,400*	125

90 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	47,000*	73.0	173.3	54,500*													40
45	66.7	170.3	38,200*	69.2	171.4	43,400*													45
50	62.7	167.8	31,700*	65.2	169.2	35,600*	68.9	170.7	42,900*										50
55	58.5	164.8	26,800*	61.1	166.5	29,800*	65.0	168.4	35,300*										55
60	54.1	161.2	23,000*	56.9	163.3	25,400*	60.9	165.7	29,600*	64.7	167.4	34,900*							60
65	49.4	157.1	19,900*	52.4	159.5	21,900*	56.6	162.5	25,300*	60.6	164.7	29,400*							65
70	44.3	152.1	17,400*	47.5	155.1	19,000*	52.1	158.7	21,800*	56.3	161.4	25,100*	62.7	164.3	32,200*				70
75	38.7	146.2	15,200*	42.3	149.8	16,600*	47.2	154.2	18,900*	51.7	157.6	21,600*	58.5	161.3	27,300*				75
80	32.3	138.7	13,500*	36.4	143.4	14,600*	42.0	148.9	16,600*	46.9	153.0	18,800*	54.1	157.8	23,500*				80
85	24.3	128.8	11,900*	29.5	135.2	12,900*	36.0	142.3	14,600*	41.6	147.6	16,500*	49.5	153.6	20,400*	56.3	157.0	25,300*	85
90	11.5	111.8	10,700*	20.5	123.7	11,500*	29.1	134.0	12,900*	35.6	141.0	14,500*	44.4	148.7	17,800*	51.8	153.2	21,900*	90
95							19.8	122.2	11,500*	28.5	132.5	12,900*	38.8	142.8	15,700*	46.9	148.6	19,100*	95
100										19.0	120.2	11,400*	32.4	135.4	13,800*	41.6	143.2	16,800*	100
105													24.4	125.5	12,300*	35.6	136.6	14,800*	105
110													11.8	108.7	10,900*	28.6	128.2	13,100*	110
115																19.1	116.0	11,600*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

90 Ft. Boom, 200 Ft. Jib

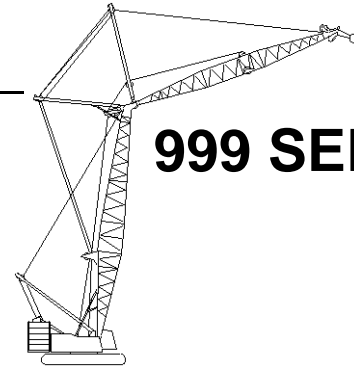
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*																40
45	69.5	181.2	48,200*	71.6	182.1	54,600*													45
50	66.0	179.0	40,200*	68.2	180.2	45,000*													50
55	62.4	176.4	34,100*	64.6	177.8	37,900*	67.9	179.5	44,600*										55
60	58.6	173.4	29,400*	61.0	175.1	32,300*	64.4	177.1	37,600*	67.7	178.5	44,000*							60
65	54.8	170.0	25,500*	57.2	172.0	28,000*	60.8	174.4	32,200*	64.2	176.1	37,200*							65
70	50.7	166.0	22,400*	53.3	168.3	24,400*	57.0	171.2	27,900*	60.5	173.3	31,900*							70
75	46.3	161.3	19,700*	49.1	164.1	21,400*	53.0	167.5	24,300*	56.7	170.1	27,700*	62.4	173.0	34,700*				75
80	41.6	155.9	17,500*	44.6	159.2	18,900*	48.8	163.2	21,400*	52.7	166.4	24,200*	58.7	170.0	30,000*				80
85	36.3	149.4	15,600*	39.7	153.4	16,800*	44.3	158.3	18,900*	48.5	162.1	21,300*	54.8	166.5	26,100*				85
90	30.3	141.4	13,900*	34.2	146.4	15,000*	39.4	152.4	16,800*	44.0	157.1	18,900*	50.7	162.5	23,000*	56.7	165.7	28,000*	90
95	22.8	130.8	12,500*	27.7	137.6	13,400*	33.8	145.3	15,000*	39.0	151.1	16,800*	46.4	157.9	20,300*	52.8	162.0	24,500*	95
100	10.7	112.6	9,300*	19.2	125.3	12,100*	27.3	136.4	13,400*	33.4	143.9	15,000*	41.7	152.5	18,000*	48.5	157.7	21,700*	100
105							18.6	123.7	12,100*	26.7	134.8	13,400*	36.4	146.0	16,100*	44.0	152.7	19,200*	105
110										17.8	121.7	12,100*	30.4	138.0	14,400*	39.1	146.8	17,100*	110
115													22.9	127.5	12,900*	33.5	139.6	15,300*	115
120													11.0	109.6	11,600*	26.8	130.5	13,700*	120
125																17.9	117.5	12,300*	125

90 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.6	193.5	59,000*																40
45	71.6	191.9	54,100*	73.5	192.7	59,000*													45
50	68.5	189.9	46,600*	70.5	190.9	51,100*													50
55	65.4	187.7	40,000*	67.4	188.9	44,200*	70.3	190.3	50,600*										55
60	62.1	185.1	34,500*	64.2	186.5	37,900*	67.2	188.2	43,800*										60
65	58.8	182.1	30,100*	60.9	183.8	32,900*	64.0	185.8	37,700*	66.9	187.2	43,400*							65
70	55.3	178.7	26,500*	57.5	180.7	28,800*	60.7	183.0	32,800*	63.7	184.8	37,400*							70
75	51.7	174.8	23,500*	54.0	177.1	25,400*	57.3	179.9	28,700*	60.4	182.0	32,600*							75
80	47.8	170.4	20,900*	50.3	173.0	22,600*	53.7	176.3	25,400*	57.0	178.8	28,600*	62.2	181.6	35,100*				80
85	43.7	165.4	18,700*	46.3	168.4	20,100*	50.0	172.2	22,600*	53.5	175.2	25,300*	58.8	178.6	30,700*				85
90	39.3	159.5	16,700*	42.1	163.0	18,000*	46.1	167.5	20,100*	49.8	171.0	22,500*	55.4	175.3	27,200*				90
95	34.4	152.5	15,000*	37.5	156.8	16,200*	41.8	162.1	18,000*	45.8	166.3	20,100*	51.7	171.4	24,100*	57.1	174.4	28,900*	95
100	28.6	143.9	13,500*	32.3	149.3	14,600*	37.2	155.7	16,200*	41.5	160.8	18,100*	47.9	167.0	21,500*	53.5	170.8	25,700*	100
105	21.5	132.6	12,300*	26.2	139.9	13,100*	32.0	148.1	14,600*	36.9	154.4	16,200*	43.8	161.9	19,300*	49.8	166.7	22,900*	105
110				18.2	126.8	11,900*	25.8	138.6	13,200*	31.6	146.7	14,600*	39.4	156.0	17,400*	45.8	161.9	20,500*	110
115							17.5	125.2	12,000*	25.3	137.0	13,200*	34.4	149.1	15,600*	41.6	156.5	18,400*	115
120										16.8	123.1	12,000*	28.7	140.5	14,100*	36.9	150.1	16,600*	120
125													21.7	129.3	12,800*	31.6	142.4	15,000*	125
130													10.4	110.4	11,600*	25.3	132.7	13,600*	130
135																16.9	118.9	12,300*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

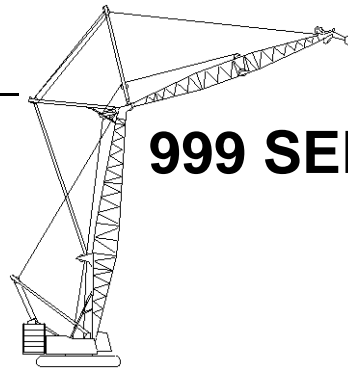
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

90 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.4	202.4	52,500*																45
50	70.6	200.7	45,100*	72.3	201.6	49,600*													50
55	67.8	198.7	39,100*	69.5	199.7	42,700*													55
60	64.9	196.4	34,200*	66.7	197.6	37,200*	69.4	199.0	42,300*										60
65	61.9	193.7	30,200*	63.8	195.2	32,700*	66.5	196.9	36,900*										65
70	58.9	190.8	26,900*	60.8	192.4	28,900*	63.6	194.5	32,400*	66.3	195.9	36,500*							70
75	55.8	187.4	24,000*	57.7	189.3	25,800*	60.6	191.7	28,700*	63.4	193.5	32,200*							75
80	52.5	183.7	21,300*	54.6	185.8	23,000*	57.5	188.6	25,600*	60.4	190.7	28,500*							80
85	49.1	179.4	18,800*	51.2	181.9	20,400*	54.3	185.0	22,900*	57.3	187.5	25,400*	62.0	190.3	30,300*				85
90	45.4	174.6	16,700*	47.7	177.5	18,100*	51.0	181.1	20,500*	54.1	183.9	22,800*	58.9	187.3	27,000*				90
95	41.6	169.1	14,800*	44.0	172.4	16,100*	47.5	176.6	18,100*	50.8	179.9	20,400*	55.8	184.0	24,100*				95
100	37.3	162.8	13,200*	40.0	166.6	14,300*	43.8	171.5	16,100*	47.2	175.4	18,100*	52.5	180.2	21,600*	57.3	183.1	25,400*	100
105	32.7	155.4	11,800*	35.7	159.9	12,800*	39.8	165.7	14,400*	43.5	170.3	16,100*	49.1	176.0	19,500*	54.1	179.5	22,800*	105
110	27.2	146.3	10,500*	30.7	152.0	11,400*	35.4	158.9	12,800*	39.5	164.4	14,400*	45.5	171.2	17,400*	50.8	175.5	20,500*	110
115	20.5	134.3	9,300*	24.9	142.0	10,100*	30.4	150.8	11,400*	35.0	157.6	12,800*	41.6	165.7	15,500*	47.3	171.0	18,500*	115
120				17.3	128.3	9,000*	24.5	140.7	10,200*	30.0	149.4	11,400*	37.4	159.4	13,800*	43.5	165.9	16,500*	120
125							16.6	126.6	9,100*	24.0	139.1	10,200*	32.7	152.0	12,300*	39.5	160.0	14,800*	125
130										15.9	124.4	9,100*	27.3	142.9	11,000*	35.1	153.2	13,200*	130
135													20.6	131.0	9,800*	30.1	145.0	11,800*	135
140													9.8	111.1	8,800*	24.1	134.8	10,500*	140
145																16.0	120.2	9,400*	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

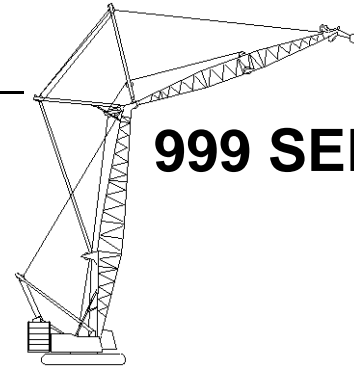
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

90 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.8	212.9	57,100*																45
50	72.3	211.3	49,300*	73.9	212.1	54,000*													50
55	69.7	209.5	43,100*	71.3	210.4	46,900*													55
60	67.1	207.4	38,000*	68.8	208.5	41,100*													60
65	64.5	205.1	33,800*	66.2	206.3	36,400*	68.6	207.8	40,800*										65
70	61.8	202.4	30,200*	63.5	203.9	32,400*	66.0	205.6	36,100*										70
75	59.0	199.4	27,100*	60.7	201.1	29,000*	63.3	203.1	32,200*	65.8	204.6	35,800*							75
80	56.1	196.1	24,500*	57.9	198.0	26,100*	60.6	200.3	28,900*	63.1	202.1	31,900*							80
85	53.1	192.5	22,200*	55.0	194.6	23,700*	57.7	197.2	26,000*	60.4	199.3	28,700*							85
90	50.0	188.3	20,100*	52.0	190.7	21,500*	54.8	193.8	23,500*	57.5	196.2	25,800*	61.8	198.9	30,300*				90
95	46.8	183.7	18,000*	48.9	186.4	19,400*	51.8	189.9	21,400*	54.6	192.7	23,400*	59.0	196.0	27,200*				95
100	43.4	178.6	16,100*	45.5	181.6	17,400*	48.6	185.6	19,400*	51.6	188.8	21,300*	56.2	192.7	24,600*				100
105	39.7	172.7	14,500*	42.0	176.2	15,700*	45.3	180.8	17,500*	48.4	184.4	19,300*	53.2	189.0	22,400*	57.6	191.8	25,800*	105
110	35.6	166.0	13,100*	38.2	170.1	14,100*	41.8	175.3	15,800*	45.1	179.6	17,600*	50.1	184.9	20,300*	54.7	188.3	23,400*	110
115	31.2	158.1	11,800*	34.0	163.0	12,700*	38.0	169.1	14,200*	41.5	174.1	15,800*	46.8	180.3	18,500*	51.6	184.4	21,300*	115
120	26.0	148.5	10,600*	29.3	154.5	11,500*	33.8	161.9	12,800*	37.7	167.8	14,300*	43.4	175.1	16,900*	48.4	180.1	19,400*	120
125	19.5	136.0	9,600*	23.8	144.1	10,300*	29.0	153.4	11,500*	33.4	160.5	12,900*	39.7	169.3	15,300*	45.1	175.2	17,700*	125
130				16.5	129.7	8,100*	23.4	142.7	10,400*	28.7	151.9	11,600*	35.7	162.6	13,800*	41.5	169.7	16,200*	130
135							15.9	127.9	8,700*	22.9	141.0	10,500*	31.2	154.7	12,500*	37.7	163.4	14,700*	135
140										15.2	125.7	8,500*	26.1	145.2	11,300*	33.5	156.2	13,300*	140
145													19.7	132.7	9,500*	28.7	147.5	12,000*	145
150													9.4	111.9	6,400*	23.0	136.7	10,600*	150
155																15.3	121.5	8,200*	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

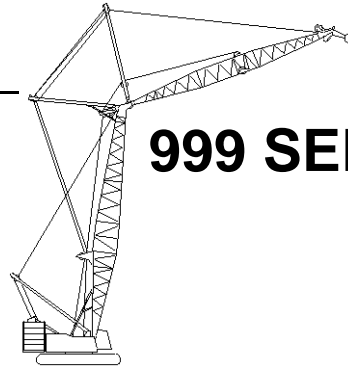
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

90 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	76.0	223.3	55,200*																45
50	73.7	221.8	47,700*																50
55	71.4	220.2	41,600*	72.8	221.0	45,300*													55
60	69.0	218.3	36,500*	70.5	219.2	39,600*													60
65	66.6	216.1	32,300*	68.1	217.2	34,900*	70.3	218.5	39,200*										65
70	64.1	213.7	28,700*	65.7	215.0	30,900*	68.0	216.5	34,600*										70
75	61.6	211.1	25,600*	63.2	212.5	27,500*	65.5	214.3	30,700*	67.8	215.6	34,200*							75
80	59.1	208.1	23,000*	60.7	209.8	24,600*	63.1	211.8	27,300*	65.4	213.3	30,400*							80
85	56.4	204.8	20,600*	58.1	206.7	22,100*	60.5	209.0	24,500*	62.9	210.8	27,100*							85
90	53.7	201.2	18,600*	55.4	203.3	19,900*	57.9	205.9	22,000*	60.3	208.0	24,300*							90
95	50.9	197.2	16,800*	52.7	199.5	17,900*	55.2	202.5	19,800*	57.7	204.9	21,800*	61.7	207.6	25,700*				95
100	47.9	192.8	15,100*	49.8	195.4	16,200*	52.5	198.7	17,800*	55.1	201.4	19,700*	59.1	204.6	23,100*				100
105	44.8	187.9	13,700*	46.8	190.8	14,600*	49.6	194.5	16,100*	52.3	197.6	17,700*	56.5	201.4	20,800*				105
110	41.5	182.4	12,300*	43.6	185.6	13,200*	46.6	189.9	14,600*	49.4	193.4	16,000*	53.7	197.8	18,700*	57.8	200.5	21,800*	110
115	38.0	176.1	11,100*	40.2	179.9	11,900*	43.4	184.7	13,100*	46.4	188.7	14,500*	50.9	193.8	16,900*	55.1	197.0	19,700*	115
120	34.2	169.0	10,000*	36.6	173.4	10,700*	40.0	178.9	11,900*	43.2	183.5	13,100*	48.0	189.4	15,300*	52.3	193.2	17,800*	120
125	29.9	160.8	9,000*	32.6	165.9	9,700*	36.4	172.4	10,700*	39.8	177.7	11,800*	44.9	184.4	13,800*	49.4	189.0	16,100*	125
130	24.9	150.7	8,000*	28.1	157.0	8,700*	32.4	164.8	9,700*	36.1	171.0	10,700*	41.6	178.9	12,500*	46.4	184.3	14,500*	130
135	18.7	137.6	5,700*	22.8	146.0	7,300*	27.8	155.8	8,700*	32.1	163.4	9,600*	38.1	172.7	11,300*	43.2	179.1	13,100*	135
140				15.8	131.0	4,400*	22.4	144.7	7,100*	27.5	154.3	8,700*	34.2	165.6	10,200*	39.8	173.3	11,900*	140
145							15.2	129.2	5,100*	22.0	142.9	6,900*	30.0	157.4	9,200*	36.1	166.7	10,700*	145
150										14.6	126.9	4,900*	25.0	147.4	7,900*	32.1	159.0	9,700*	150
155													18.8	134.3	5,800*	27.5	149.9	8,800*	155
160																22.0	138.6	6,700*	160
165																14.7	122.7	4,700*	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 70 Ft. Jib

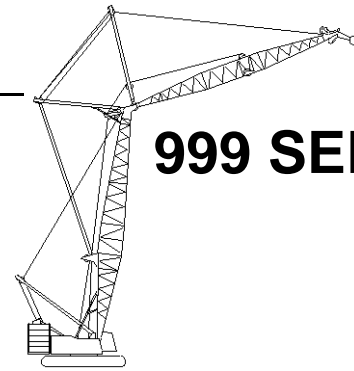
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	57.5	140.3	37,900*																35
40	48.0	136.0	29,600*	54.7	138.9	35,100*													40
45	36.5	129.9	23,900*	44.8	134.2	27,700*	55.1	138.4	35,500*										45
50	19.3	119.1	19,500*	32.3	127.1	22,500*	45.2	133.8	28,000*	55.4	137.6	36,000*							50
55							32.9	126.9	22,800*	45.6	133.0	28,300*	61.5	138.0	44,000*b				55
60										33.4	126.3	23,000*	52.6	134.3	33,500*				60
65													42.2	129.2	26,700*				65
70													28.7	121.3	21,800*	49.2	129.9	31,000*	70
75																38.0	124.1	24,900*	75
80																22.1	114.3	20,400*	80

100 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.9	143.3	43,400*b																30
35	57.5	140.3	31,700*	63.5	142.2	39,200*													35
40	48.0	136.0	24,600*	54.7	138.9	29,300*	63.8	141.7	39,900*b										40
45	36.5	129.9	19,700*	44.8	134.2	23,000*	55.1	138.4	29,700*	64.0	140.9	40,500*b							45
50	19.3	119.1	16,000*	32.3	127.1	18,500*	45.2	133.8	23,300*	55.4	137.6	30,100*							50
55							32.9	126.9	18,800*	45.6	133.0	23,500*	61.5	138.0	36,900*				55
60										33.4	126.3	18,900*	52.6	134.3	27,900*				60
65													42.2	129.2	22,000*				65
70													28.7	121.3	17,800*	49.2	129.9	25,700*	70
75																38.0	124.1	20,500*	75
80																22.1	114.3	16,700*	80



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 90 Ft. Jib

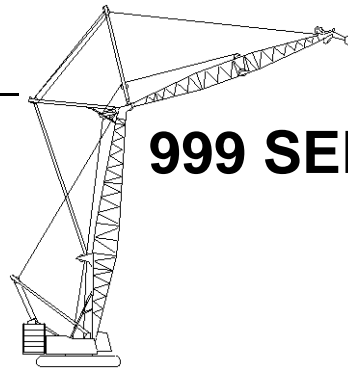
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.9	143.3	38,400*b																30
35	57.5	140.3	28,000*	63.5	142.2	34,700*													35
40	48.0	136.0	21,600*	54.7	138.9	25,800*	63.8	141.7	35,300*										40
45	36.5	129.9	17,200*	44.8	134.2	20,100*	55.1	138.4	26,200*	64.0	140.9	35,800*							45
50	19.3	119.1	13,800*	32.3	127.1	16,100*	45.2	133.8	20,400*	55.4	137.6	26,500*							50
55							32.9	126.9	16,300*	45.6	133.0	20,600*	61.5	138.0	32,600*				55
60										33.4	126.3	16,400*	52.6	134.3	24,500*				60
65													42.2	129.2	19,200*				65
70													28.7	121.3	15,500*	49.2	129.9	22,500*	70
75																38.0	124.1	17,900*	75
80																22.1	114.3	14,400*	80

100 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	71.1	154.3	55,600*b																30
35	64.7	152.0	40,500*	69.2	153.4	50,200*													35
40	58.0	149.0	31,300*	62.7	150.9	37,300*	69.4	152.8	51,100*										40
45	50.7	145.0	25,100*	55.9	147.6	29,200*	63.0	150.4	37,900*										45
50	42.4	139.9	20,600*	48.3	143.4	23,600*	56.1	147.1	29,600*	63.2	149.6	38,300*							50
55	32.3	132.7	17,100*	39.6	137.7	19,500*	48.6	142.9	23,900*	56.4	146.4	29,900*							55
60	16.9	120.4	14,400*	28.5	129.6	16,300*	39.9	137.3	19,700*	48.9	142.2	24,100*	61.2	146.6	35,500*				60
65							29.0	129.4	16,500*	40.2	136.7	19,900*	54.2	143.1	28,000*				65
70										29.4	128.8	16,600*	46.4	138.6	22,800*				70
75													37.3	132.5	18,900*	51.6	138.9	26,100*	75
80													25.3	123.4	15,800*	43.4	133.9	21,400*	80
85																33.6	127.0	17,800*	85
90																19.4	115.8	14,900*	90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 110 Ft. Jib

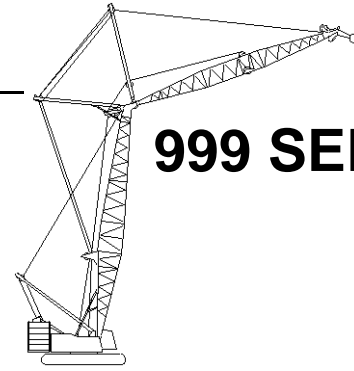
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	65.9	143.3	35,900*	71.5	144.6	47,300* ^b													30
35	57.5	140.3	26,300*	63.5	142.2	32,500*													35
40	48.0	136.0	20,400*	54.7	138.9	24,200*	63.8	141.7	33,000*										40
45	36.5	129.9	16,300*	44.8	134.2	19,000*	55.1	138.4	24,600*	64.0	140.9	33,400*							45
50	19.3	119.1	13,300*	32.3	127.1	15,300*	45.2	133.8	19,200*	55.4	137.6	24,800*							50
55							32.9	126.9	15,500*	45.6	133.0	19,400*	61.5	138.0	30,400*				55
60										33.4	126.3	15,600*	52.6	134.3	23,000*				60
65													42.2	129.2	18,200*				65
70													28.7	121.3	14,800*	49.2	129.9	21,200*	70
75																38.0	124.1	16,900*	75
80																22.1	114.3	13,800*	80

100 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	71.1	154.3	49,900*	69.2	153.4	45,100*													30
35	64.7	152.0	36,400*	62.7	150.9	33,500*	69.4	152.8	45,800*										35
40	58.0	149.0	28,100*	55.9	147.6	26,200*	63.0	150.4	34,000*										40
45	50.7	145.0	22,500*	48.3	143.4	21,200*	56.1	147.1	26,500*	63.2	149.6	34,400*							45
50	42.4	139.9	18,400*	39.6	137.7	17,500*	48.6	142.9	21,400*	56.4	146.4	26,800*							50
55	32.3	132.7	15,400*	28.5	129.6	14,600*	39.9	137.3	17,600*	48.9	142.2	21,600*	61.2	146.6	31,800*				55
60	16.9	120.4	12,900*				29.0	129.4	14,700*	40.2	136.7	17,800*	54.2	143.1	25,100*				60
65										29.4	128.8	14,900*	46.4	138.6	20,400*				65
70													37.3	132.5	16,900*	51.6	138.9	23,400*	70
75																43.4	133.9	19,100*	75
80																33.6	127.0	15,900*	80
85																19.4	115.8	13,400*	85
90																			90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 130 Ft. Jib

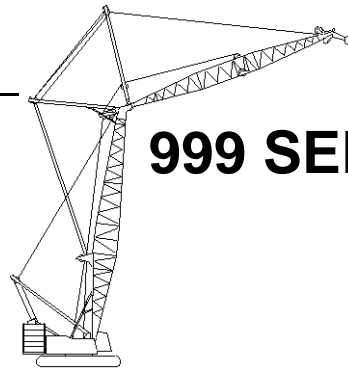
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	74.4	164.9	59,000*																30
35	69.3	163.0	46,000*	72.9	164.1	57,000*													35
40	64.0	160.6	35,600*	67.7	162.1	42,500*													40
45	58.4	157.6	28,600*	62.3	159.5	33,300*	67.9	161.6	43,000*										45
50	52.4	153.9	23,500*	56.6	156.3	27,000*	62.5	159.0	33,700*										50
55	45.8	149.3	19,700*	50.4	152.4	22,300*	56.8	155.9	27,300*	62.7	158.2	34,000*							55
60	38.3	143.3	16,700*	43.6	147.4	18,800*	50.7	151.9	22,600*	57.0	155.1	27,500*							60
65	29.2	135.2	14,300*	35.8	140.9	16,000*	43.9	147.0	19,000*	50.9	151.2	22,800*	61.0	155.3	31,900*				65
70	15.2	121.6	12,300*	25.8	131.8	13,700*	36.1	140.6	16,100*	44.2	146.2	19,100*	55.2	151.9	26,000*				70
75							26.2	131.6	13,800*	36.4	139.9	16,300*	48.9	147.7	21,600*				75
80										26.6	131.0	13,900*	41.9	142.4	18,300*	53.1	147.7	24,400*	80
85													33.7	135.5	15,600*	46.6	143.2	20,500*	85
90													22.8	125.3	13,400*	39.2	137.4	17,400*	90
95																30.4	129.6	14,800*	95
100																17.4	117.2	12,700*	100

100 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	72.4	173.7	59,000*																35
40	68.0	171.7	46,500*	71.1	172.9	55,300*													40
45	63.4	169.3	37,400*	66.6	170.8	43,500*													45
50	58.6	166.3	30,900*	62.0	168.2	35,300*	66.8	170.3	43,900*										50
55	53.5	162.7	25,900*	57.1	165.0	29,300*	62.1	167.7	35,700*	66.9	169.4	44,300*							55
60	48.1	158.4	22,100*	51.9	161.2	24,700*	57.3	164.6	29,600*	62.3	166.9	36,000*							60
65	42.1	153.1	19,000*	46.3	156.6	21,200*	52.1	160.8	25,000*	57.4	163.8	29,900*							65
70	35.2	146.4	16,500*	40.1	151.0	18,200*	46.6	156.2	21,400*	52.3	160.0	25,200*	60.8	163.9	34,000*				70
75	26.8	137.5	14,400*	32.9	143.8	15,800*	40.4	150.6	18,400*	46.7	155.5	21,600*	55.9	160.6	28,500*				75
80	13.9	122.6	12,600*	23.7	133.8	13,800*	33.2	143.5	16,000*	40.6	149.9	18,600*	50.7	156.7	24,200*				80
85							24.1	133.6	14,000*	33.5	142.8	16,100*	44.9	151.8	20,700*	54.1	156.5	27,000*	85
90										24.5	133.1	14,100*	38.5	145.9	17,900*	48.7	152.3	23,000*	90
95													31.0	138.2	15,600*	42.8	147.1	19,800*	95
100													20.9	127.1	13,600*	36.1	140.6	17,200*	100
105																27.9	132.1	14,900*	105
110																16.0	118.5	13,000*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 150 Ft. Jib

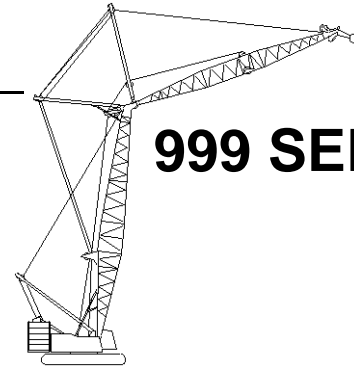
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*																35
40	70.9	182.5	55,900*	73.5	183.5	59,000*													40
45	67.0	180.5	45,300*	69.7	181.7	52,400*													45
50	63.0	178.0	37,600*	65.8	179.5	42,800*	69.9	181.1	52,900*										50
55	58.8	175.0	31,800*	61.7	176.8	35,800*	65.9	179.0	43,300*										55
60	54.4	171.5	27,200*	57.5	173.7	30,400*	61.9	176.3	36,100*	66.1	178.1	43,600*							60
65	49.7	167.4	23,600*	53.0	170.1	26,100*	57.6	173.2	30,700*	62.0	175.5	36,500*							65
70	44.7	162.5	20,600*	48.2	165.7	22,700*	53.2	169.6	26,400*	57.8	172.5	31,000*							70
75	39.1	156.6	18,100*	43.1	160.6	19,900*	48.4	165.3	23,000*	53.3	168.8	26,700*	60.7	172.6	34,800*				75
80	32.8	149.3	16,000*	37.3	154.3	17,500*	43.3	160.2	20,100*	48.6	164.6	23,200*	56.4	169.3	29,700*				80
85	24.9	139.6	14,200*	30.6	146.4	15,500*	37.6	154.0	17,700*	43.5	159.5	20,300*	51.9	165.5	25,700*				85
90	12.9	123.6	12,600*	22.0	135.6	13,700*	30.9	146.2	15,600*	37.8	153.3	17,900*	47.1	161.0	22,400*	54.9	165.3	28,300*	90
95							22.4	135.5	13,900*	31.1	145.6	15,800*	41.8	155.6	19,600*	50.3	161.2	24,600*	95
100										22.7	135.0	14,000*	35.9	149.1	17,300*	45.3	156.4	21,500*	100
105													28.8	140.7	15,300*	39.8	150.7	18,900*	105
110													19.5	128.7	13,600*	33.6	143.6	16,700*	110
115																26.0	134.3	14,800*	115
120																14.8	119.6	13,200*	120

100 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*																40
45	69.7	191.3	57,000*	72.1	192.4	59,000*													45
50	66.2	189.2	48,100*	68.6	190.4	54,300*													50
55	62.6	186.6	41,000*	65.1	188.2	46,000*	68.8	189.9	55,100*										55
60	58.9	183.7	35,300*	61.5	185.5	39,300*	65.3	187.6	46,500*										60
65	55.0	180.2	30,700*	57.8	182.4	33,900*	61.7	185.0	39,700*	65.4	186.8	46,800*							65
70	51.0	176.3	26,900*	53.8	178.8	29,600*	57.9	181.9	34,300*	61.8	184.2	40,000*							70
75	46.6	171.7	23,700*	49.7	174.7	26,000*	54.0	178.4	29,900*	58.0	181.1	34,600*							75
80	41.9	166.3	21,000*	45.2	169.9	23,000*	49.8	174.3	26,300*	54.1	177.6	30,200*	60.7	181.2	38,300*				80
85	36.7	159.9	18,800*	40.4	164.2	20,400*	45.4	169.5	23,300*	50.0	173.5	26,500*	56.9	178.0	33,300*				85
90	30.8	152.0	16,800*	35.0	157.4	18,200*	40.6	163.9	20,700*	45.6	168.7	23,500*	52.9	174.3	29,200*				90
95	23.4	141.6	15,100*	28.7	149.0	16,300*	35.3	157.1	18,500*	40.8	163.2	20,900*	48.7	170.1	25,800*	55.5	174.0	31,900*	95
100	12.0	124.6	13,600*	20.6	137.4	14,700*	29.0	148.7	16,500*	35.4	156.5	18,600*	44.2	165.1	22,900*	51.4	170.1	28,100*	100
105							21.0	137.3	14,800*	29.2	148.1	16,700*	39.2	159.2	20,400*	47.1	165.6	24,900*	105
110										21.3	136.9	15,000*	33.7	152.1	18,200*	42.5	160.3	22,100*	110
115													27.1	143.0	16,300*	37.4	154.0	19,700*	115
120													18.2	130.2	14,600*	31.5	146.4	17,700*	120
125																24.4	136.4	15,900*	125
130																13.9	120.8	14,200*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 170 Ft. Jib

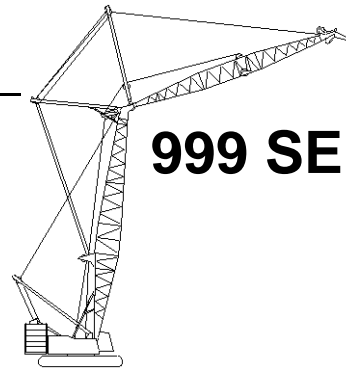
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*																35
40	70.9	182.5	51,700*	73.5	183.5	59,000*													40
45	67.0	180.5	41,900*	69.7	181.7	48,400*													45
50	63.0	178.0	34,700*	65.8	179.5	39,600*	69.9	181.1	48,900*										50
55	58.8	175.0	29,400*	61.7	176.8	33,100*	65.9	179.0	40,000*										55
60	54.4	171.5	25,100*	57.5	173.7	28,100*	61.9	176.3	33,400*	66.1	178.1	40,300*							60
65	49.7	167.4	21,800*	53.0	170.1	24,100*	57.6	173.2	28,400*	62.0	175.5	33,700*							65
70	44.7	162.5	19,000*	48.2	165.7	20,900*	53.2	169.6	24,400*	57.8	172.5	28,600*							70
75	39.1	156.6	16,700*	43.1	160.6	18,300*	48.4	165.3	21,200*	53.3	168.8	24,600*	60.7	172.6	32,100*				75
80	32.8	149.3	14,700*	37.3	154.3	16,100*	43.3	160.2	18,500*	48.6	164.6	21,400*	56.4	169.3	27,500*				80
85	24.9	139.6	13,000*	30.6	146.4	14,200*	37.6	154.0	16,300*	43.5	159.5	18,700*	51.9	165.5	23,700*				85
90	12.9	123.6	11,600*	22.0	135.6	12,600*	30.9	146.2	14,400*	37.8	153.3	16,500*	47.1	161.0	20,700*	54.9	165.3	26,200*	90
95							22.4	135.5	12,800*	31.1	145.6	14,600*	41.8	155.6	18,100*	50.3	161.2	22,700*	95
100										22.7	135.0	12,900*	35.9	149.1	16,000*	45.3	156.4	19,900*	100
105													28.8	140.7	14,100*	39.8	150.7	17,500*	105
110													19.5	128.7	12,600*	33.6	143.6	15,400*	110
115																26.0	134.3	13,700*	115
120																14.8	119.6	12,100*	120

100 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*																40
45	69.7	191.3	53,200*	72.1	192.4	59,000*													45
50	66.2	189.2	44,300*	68.6	190.4	50,300*													50
55	62.6	186.6	37,500*	65.1	188.2	42,100*	68.8	189.9	50,700*										55
60	58.9	183.7	32,300*	61.5	185.5	35,900*	65.3	187.6	42,600*										60
65	55.0	180.2	28,000*	57.8	182.4	31,000*	61.7	185.0	36,300*	65.4	186.8	42,900*							65
70	51.0	176.3	24,500*	53.8	178.8	27,000*	57.9	181.9	31,400*	61.8	184.2	36,600*							70
75	46.6	171.7	21,600*	49.7	174.7	23,700*	54.0	178.4	27,300*	58.0	181.1	31,600*							75
80	41.9	166.3	19,200*	45.2	169.9	21,000*	49.8	174.3	24,000*	54.1	177.6	27,600*	60.7	181.2	35,100*				80
85	36.7	159.9	17,100*	40.4	164.2	18,600*	45.4	169.5	21,200*	50.0	173.5	24,300*	56.9	178.0	30,500*				85
90	30.8	152.0	15,200*	35.0	157.4	16,600*	40.6	163.9	18,800*	45.6	168.7	21,400*	52.9	174.3	26,700*				90
95	23.4	141.6	13,700*	28.7	149.0	14,800*	35.3	157.1	16,800*	40.8	163.2	19,100*	48.7	170.1	23,500*	55.5	174.0	29,200*	95
100	12.0	124.6	12,300*	20.6	137.4	13,300*	29.0	148.7	15,000*	35.4	156.5	17,000*	44.2	165.1	20,900*	51.4	170.1	25,700*	100
105							21.0	137.3	13,500*	29.2	148.1	15,200*	39.2	159.2	18,600*	47.1	165.6	22,700*	105
110										21.3	136.9	13,600*	33.7	152.1	16,600*	42.5	160.3	20,200*	110
115													27.1	143.0	14,900*	37.4	154.0	18,000*	115
120													18.2	130.2	13,300*	31.5	146.4	16,100*	120
125																24.4	136.4	14,500*	125
130																13.9	120.8	13,000*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 190 Ft. Jib

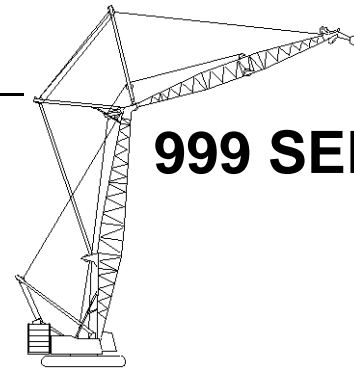
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*																35
40	70.9	182.5	47,900*	73.5	183.5	56,700*													40
45	67.0	180.5	38,800*	69.7	181.7	44,900*													45
50	63.0	178.0	32,200*	65.8	179.5	36,600*	69.9	181.1	45,400*										50
55	58.8	175.0	27,100*	61.7	176.8	30,600*	65.9	179.0	37,000*										55
60	54.4	171.5	23,200*	57.5	173.7	26,000*	61.9	176.3	30,900*	66.1	178.1	37,400*							60
65	49.7	167.4	20,100*	53.0	170.1	22,300*	57.6	173.2	26,300*	62.0	175.5	31,200*							65
70	44.7	162.5	17,500*	48.2	165.7	19,300*	53.2	169.6	22,600*	57.8	172.5	26,500*							70
75	39.1	156.6	15,300*	43.1	160.6	16,900*	48.4	165.3	19,600*	53.3	168.8	22,800*	60.7	172.6	29,800*				75
80	32.8	149.3	13,500*	37.3	154.3	14,800*	43.3	160.2	17,100*	48.6	164.6	19,800*	56.4	169.3	25,400*				80
85	24.9	139.6	12,000*	30.6	146.4	13,100*	37.6	154.0	15,000*	43.5	159.5	17,300*	51.9	165.5	21,900*				85
90	12.9	123.6	10,700*	22.0	135.6	11,600*	30.9	146.2	13,300*	37.8	153.3	15,200*	47.1	161.0	19,100*	54.9	165.3	24,200*	90
95							22.4	135.5	11,700*	31.1	145.6	13,400*	41.8	155.6	16,700*	50.3	161.2	21,000*	95
100										22.7	135.0	11,900*	35.9	149.1	14,700*	45.3	156.4	18,400*	100
105													28.8	140.7	13,000*	39.8	150.7	16,100*	105
110													19.5	128.7	11,600*	33.6	143.6	14,200*	110
115																26.0	134.3	12,600*	115
120																14.8	119.6	11,200*	120

100 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*																40
45	69.7	191.3	49,000*	72.1	192.4	56,400*													45
50	66.2	189.2	40,800*	68.6	190.4	46,300*													50
55	62.6	186.6	34,500*	65.1	188.2	38,800*	68.8	189.9	46,700*										55
60	58.9	183.7	29,700*	61.5	185.5	33,100*	65.3	187.6	39,200*										60
65	55.0	180.2	25,700*	57.8	182.4	28,500*	61.7	185.0	33,400*	65.4	186.8	39,500*							65
70	51.0	176.3	22,500*	53.8	178.8	24,800*	57.9	181.9	28,800*	61.8	184.2	33,700*							70
75	46.6	171.7	19,800*	49.7	174.7	21,800*	54.0	178.4	25,100*	58.0	181.1	29,100*							75
80	41.9	166.3	17,500*	45.2	169.9	19,200*	49.8	174.3	22,100*	54.1	177.6	25,400*	60.7	181.2	32,400*				80
85	36.7	159.9	15,600*	40.4	164.2	17,000*	45.4	169.5	19,500*	50.0	173.5	22,300*	56.9	178.0	28,100*				85
90	30.8	152.0	13,900*	35.0	157.4	15,200*	40.6	163.9	17,300*	45.6	168.7	19,700*	52.9	174.3	24,600*				90
95	23.4	141.6	12,500*	28.7	149.0	13,600*	35.3	157.1	15,400*	40.8	163.2	17,500*	48.7	170.1	21,600*	55.5	174.0	26,900*	95
100	12.0	124.6	11,300*	20.6	137.4	12,200*	29.0	148.7	13,800*	35.4	156.5	15,600*	44.2	165.1	19,200*	51.4	170.1	23,600*	100
105							21.0	137.3	12,300*	29.2	148.1	13,900*	39.2	159.2	17,100*	47.1	165.6	20,900*	105
110										21.3	136.9	12,500*	33.7	152.1	15,200*	42.5	160.3	18,600*	110
115													27.1	143.0	13,600*	37.4	154.0	16,500*	115
120													18.2	130.2	12,200*	31.5	146.4	14,800*	120
125																24.4	136.4	13,300*	125
130																13.9	120.8	11,900*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

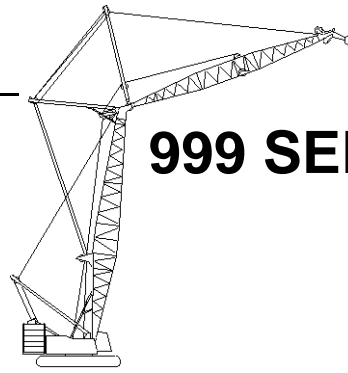
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

100 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.8	203.6	59,000*																40
45	71.8	202.0	54,800*	73.9	202.9	59,000*													45
50	68.7	200.1	47,200*	70.9	201.2	52,300*													50
55	65.6	197.8	40,500*	67.8	199.2	45,200*	71.0	200.6	52,700*										55
60	62.4	195.3	34,900*	64.6	196.8	38,800*	67.9	198.6	45,500*										60
65	59.0	192.3	30,400*	61.4	194.2	33,600*	64.8	196.3	39,100*	68.0	197.8	45,600*							65
70	55.6	189.0	26,700*	58.0	191.1	29,300*	61.5	193.7	33,900*	64.9	195.5	39,400*							70
75	51.9	185.1	23,600*	54.5	187.6	25,900*	58.1	190.6	29,700*	61.6	192.9	34,200*							75
80	48.1	180.8	21,000*	50.8	183.6	22,900*	54.6	187.1	26,200*	58.2	189.8	30,000*							80
85	44.0	175.7	18,700*	46.9	179.0	20,400*	50.9	183.2	23,200*	54.7	186.3	26,500*	60.6	189.9	33,000*				85
90	39.6	169.9	16,800*	42.7	173.8	18,200*	47.1	178.6	20,700*	51.1	182.4	23,500*	57.2	186.7	29,000*				90
95	34.7	163.0	15,100*	38.2	167.7	16,400*	42.9	173.4	18,500*	47.2	177.9	20,900*	53.6	183.1	25,700*				95
100	29.1	154.6	13,500*	33.1	160.4	14,700*	38.4	167.3	16,600*	43.0	172.7	18,700*	49.9	179.0	22,900*	56.0	182.7	27,900*	100
105	22.1	143.5	12,200*	27.1	151.3	13,200*	33.3	160.1	14,900*	38.5	166.6	16,800*	46.0	174.3	20,400*	52.4	178.9	24,800*	105
110	11.3	125.5	10,200*	19.5	139.0	12,000*	27.4	151.1	13,500*	33.5	159.4	15,100*	41.7	168.9	18,300*	48.6	174.6	22,100*	110
115							19.9	139.0	12,200*	27.6	150.5	13,600*	37.1	162.5	16,500*	44.5	169.7	19,900*	115
120										20.2	138.6	12,300*	31.8	154.9	14,900*	40.1	164.0	17,900*	120
125													25.6	145.2	13,400*	35.3	157.2	16,100*	125
130													17.2	131.6	12,100*	29.8	149.0	14,500*	130
135																23.0	138.3	13,100*	135
140																13.1	121.8	11,900*	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

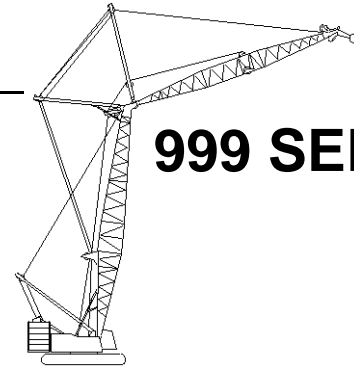
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

100 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.5	212.5	53,300*																45
50	70.8	210.8	45,600*	72.7	211.8	50,800*													50
55	68.0	208.8	39,600*	69.9	210.0	43,700*													55
60	65.1	206.5	34,700*	67.1	207.9	38,000*	70.0	209.4	43,900*										60
65	62.1	203.9	30,600*	64.2	205.5	33,400*	67.2	207.4	38,200*										65
70	59.1	201.0	27,200*	61.2	202.8	29,500*	64.3	205.0	33,600*	67.3	206.6	38,400*							70
75	56.0	197.7	24,200*	58.2	199.8	26,300*	61.4	202.3	29,700*	64.4	204.2	33,700*							75
80	52.7	193.9	21,400*	55.0	196.3	23,500*	58.3	199.3	26,400*	61.5	201.5	29,800*							80
85	49.3	189.7	18,900*	51.7	192.5	20,800*	55.1	195.9	23,600*	58.4	198.5	26,500*							85
90	45.7	185.0	16,800*	48.2	188.1	18,400*	51.8	192.0	21,100*	55.2	195.1	23,700*	60.5	198.5	28,700*				90
95	41.8	179.5	14,900*	44.5	183.1	16,300*	48.4	187.6	18,700*	51.9	191.2	21,300*	57.4	195.4	25,600*				95
100	37.6	173.3	13,200*	40.6	177.5	14,500*	44.7	182.7	16,600*	48.5	186.9	18,900*	54.2	191.9	23,000*				100
105	33.0	165.9	11,700*	36.3	170.9	12,900*	40.8	177.1	14,700*	44.8	182.0	16,800*	50.9	187.9	20,600*	56.3	191.4	24,600*	105
110	27.6	157.0	10,500*	31.5	163.1	11,500*	36.5	170.6	13,100*	40.9	176.4	14,900*	47.4	183.4	18,500*	53.1	187.7	22,100*	110
115	21.0	145.3	9,300*	25.8	153.5	10,200*	31.7	162.9	11,700*	36.6	169.9	13,300*	43.7	178.3	16,400*	49.7	183.6	19,900*	115
120	10.7	126.3	6,000*	18.5	140.6	9,100*	26.1	153.4	10,400*	31.8	162.2	11,900*	39.6	172.4	14,600*	46.1	178.9	17,900*	120
125							18.9	140.6	9,300*	26.3	152.8	10,600*	35.2	165.6	13,100*	42.3	173.5	16,000*	125
130										19.1	140.2	9,400*	30.2	157.5	11,700*	38.2	167.4	14,300*	130
135													24.3	147.3	10,400*	33.6	160.2	12,700*	135
140													16.4	133.0	9,300*	28.3	151.5	11,400*	140
145																21.9	140.2	10,100*	145
150																12.4	122.8	9,100*	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

100 Ft. Boom, 230 Ft. Jib

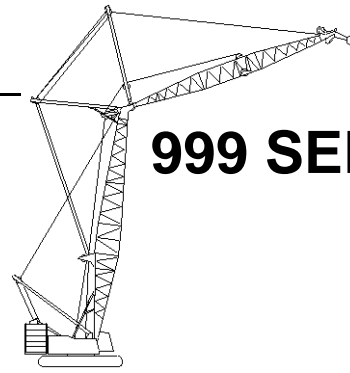
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.0	223.0	57,800*																45
50	72.5	221.4	49,900*																50
55	69.9	219.6	43,600*	71.7	220.6	47,900*													55
60	67.3	217.6	38,400*	69.1	218.8	41,900*													60
65	64.7	215.2	34,100*	66.5	216.6	37,100*	69.2	218.2	42,100*										65
70	62.0	212.6	30,500*	63.9	214.2	33,000*	66.6	216.1	37,200*										70
75	59.2	209.7	27,400*	61.1	211.5	29,600*	64.0	213.7	33,200*	66.7	215.3	37,400*							75
80	56.3	206.4	24,800*	58.3	208.4	26,600*	61.2	211.0	29,700*	64.1	212.9	33,300*							80
85	53.4	202.7	22,400*	55.4	205.0	24,100*	58.4	207.9	26,800*	61.3	210.2	29,800*							85
90	50.3	198.6	20,100*	52.4	201.3	21,800*	55.6	204.6	24,200*	58.5	207.2	26,900*							90
95	47.0	194.1	18,000*	49.3	197.1	19,700*	52.6	200.8	21,900*	55.6	203.8	24,300*	60.5	207.2	28,800*				95
100	43.6	189.0	16,200*	46.0	192.3	17,600*	49.4	196.6	19,900*	52.7	200.0	22,000*	57.7	204.1	26,000*				100
105	39.9	183.2	14,500*	42.5	187.0	15,800*	46.1	191.9	17,900*	49.5	195.9	20,000*	54.7	200.6	23,600*				105
110	35.9	176.5	13,100*	38.8	181.0	14,200*	42.7	186.6	16,100*	46.3	191.2	18,200*	51.7	196.7	21,400*	56.7	200.1	25,100*	110
115	31.5	168.7	11,700*	34.6	174.0	12,800*	38.9	180.6	14,500*	42.8	185.9	16,400*	48.6	192.4	19,500*	53.7	196.5	22,800*	115
120	26.4	159.3	10,600*	30.0	165.8	11,500*	34.8	173.7	13,100*	39.0	179.9	14,700*	45.2	187.6	17,800*	50.6	192.5	20,700*	120
125	20.1	147.0	9,500*	24.6	155.7	10,400*	30.2	165.5	11,800*	35.0	173.0	13,300*	41.7	182.1	16,100*	47.4	188.0	18,900*	125
130				17.7	142.0	9,400*	24.9	155.5	10,600*	30.4	164.9	12,000*	37.8	175.8	14,500*	44.0	182.9	17,300*	130
135							18.0	142.1	9,500*	25.1	155.0	10,800*	33.6	168.6	13,100*	40.4	177.2	15,700*	135
140										18.3	141.7	9,600*	28.9	160.1	11,800*	36.4	170.7	13,900	140
145													23.2	149.3	10,700*	32.0	163.0	12,100	145
150													15.6	134.3	8,700*	27.0	153.8	10,500	150
155																20.9	142.0	8,900	155
160																11.8	123.8	7,400	160



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



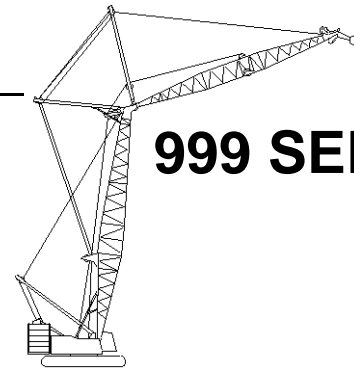
999 SERIES 3

100 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	73.9	231.9	48,200*																50
55	71.5	230.3	42,000*	73.1	231.2	46,200*													55
60	69.2	228.4	36,900*	70.8	229.5	40,400*													60
65	66.8	226.3	32,600*	68.4	227.5	35,500*	70.9	228.9	40,600*										65
70	64.3	223.9	29,000*	66.0	225.3	31,500*	68.5	227.0	35,700*										70
75	61.8	221.3	25,900*	63.6	222.9	28,000*	66.1	224.8	31,600*										75
80	59.3	218.3	23,200*	61.0	220.1	25,100*	63.7	222.3	28,200*	66.2	224.0	31,700*							80
85	56.6	215.1	20,900*	58.5	217.1	22,500*	61.1	219.6	25,200*	63.7	221.5	28,300*							85
90	53.9	211.5	18,800*	55.8	213.8	20,200*	58.6	216.6	22,600*	61.2	218.8	25,300*							90
95	51.1	207.5	16,900*	53.1	210.1	18,200*	55.9	213.3	20,400*	58.7	215.8	22,700*	63.0	218.7	27,300*				95
100	48.1	203.1	15,300*	50.2	206.0	16,500*	53.2	209.6	18,400*	56.0	212.5	20,500*	60.4	215.9	24,500*				100
105	45.0	198.2	13,800*	47.2	201.4	14,900*	50.3	205.5	16,600*	53.3	208.8	18,400*	57.8	212.8	22,000*				105
110	41.8	192.8	12,400*	44.1	196.4	13,400*	47.3	201.0	15,000*	50.4	204.8	16,700*	55.2	209.3	19,800*				110
115	38.3	186.6	11,200*	40.7	190.7	12,100*	44.2	196.0	13,500*	47.4	200.3	15,000*	52.4	205.6	17,900*	56.9	208.8	21,100*	115
120	34.4	179.6	10,100*	37.1	184.3	10,900*	40.9	190.3	12,200*	44.3	195.2	13,600*	49.5	201.4	16,200*	54.2	205.3	19,100*	120
125	30.2	171.4	9,000*	33.2	177.0	9,900*	37.3	184.0	11,000*	41.0	189.6	12,300*	46.5	196.7	14,600*	51.4	201.3	17,300*	125
130	25.3	161.5	8,000*	28.8	168.3	8,800*	33.4	176.7	9,900*	37.4	183.3	11,100*	43.3	191.5	13,200*	48.5	197.0	15,600*	130
135	19.2	148.7	6,400*	23.6	157.7	7,800*	29.0	168.1	9,000*	33.5	176.0	10,000*	39.9	185.7	12,000*	45.4	192.2	14,100*	135
140				16.9	143.5	5,600*	23.8	157.6	8,000*	29.1	167.5	9,000*	36.3	179.1	10,800*	42.2	186.8	12,800*	140
145							17.3	143.5	5,900*	24.0	157.1	8,000*	32.2	171.5	9,800*	38.7	180.7	11,600*	145
150										17.5	143.2	5,900*	27.7	162.5	8,800*	34.9	173.8	10,500*	150
155													22.2	151.3	7,200*	30.7	165.7	9,200	155
160													15.0	135.5	5,200*	25.9	156.1	7,800	160
165																20.0	143.7	6,400*	165
170																11.3	124.7	4,400*	170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 70 Ft. Jib

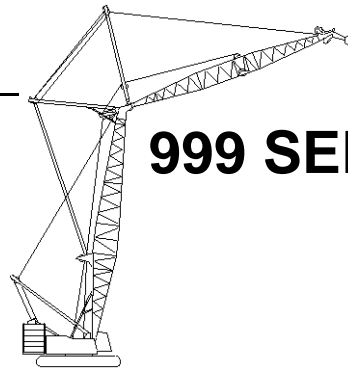
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.1	150.5	38,700*b																35
40	48.7	146.4	30,100*	56.0	149.4	36,500*	65.8	152.3	51,900*b										40
45	37.5	140.4	24,300*	46.3	144.9	28,700*	57.3	149.2	38,100*										45
50	21.0	130.2	19,900*	34.3	138.3	23,200*	47.8	145.0	29,700*	58.5	148.8	39,800*b							50
55							36.3	138.8	24,000*	49.2	144.7	30,800*							55
60							18.8	127.8	19,600*	38.0	138.8	24,800*	57.3	146.0	38,600*				60
65										22.1	129.0	20,300*	47.8	141.7	30,100*				65
70													36.3	135.6	24,300*	55.7	142.3	37,000*	70
75													18.8	124.6	19,800*	45.9	137.7	29,000*	75
80																33.8	131.0	23,500*	80

110 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.1	150.5	32,400*	64.6	152.6	41,300*b													35
40	48.7	146.4	25,100*	56.0	149.4	30,500*	65.8	152.3	43,700*b										40
45	37.5	140.4	20,100*	46.3	144.9	23,800*	57.3	149.2	31,900*										45
50	21.0	130.2	16,300*	34.3	138.3	19,100*	47.8	145.0	24,700*	58.5	148.8	33,300*							50
55							36.3	138.8	19,800*	49.2	144.7	25,600*							55
60							18.8	127.8	16,100*	38.0	138.8	20,400*	57.3	146.0	32,300*				60
65										22.1	129.0	16,600*	47.8	141.7	25,000*				65
70													36.3	135.6	20,000*	55.7	142.3	30,900*	70
75													18.8	124.6	16,200*	45.9	137.7	24,100*	75
80																33.8	131.0	19,300*	80



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 90 Ft. Jib

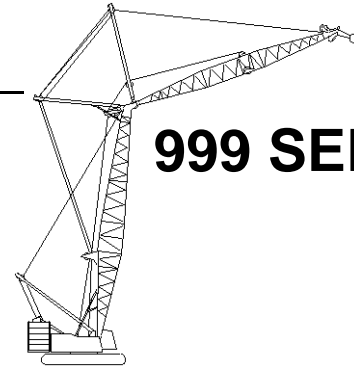
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	66.5	153.5	39,600*b																30
35	58.1	150.5	28,700*	64.6	152.6	36,600*													35
40	48.7	146.4	22,000*	56.0	149.4	26,900*	65.8	152.3	38,700*b										40
45	37.5	140.4	17,500*	46.3	144.9	20,800*	57.3	149.2	28,100*	66.9	151.7	40,900*							45
50	21.0	130.2	14,100*	34.3	138.3	16,600*	47.8	145.0	21,700*	58.5	148.8	29,400*							50
55							36.3	138.8	17,200*	49.2	144.7	22,500*							55
60							18.8	127.8	13,900*	38.0	138.8	17,800*	57.3	146.0	28,400*				60
65										22.1	129.0	14,300*	47.8	141.7	21,900*				65
70													36.3	135.6	17,400*	55.7	142.3	27,200*	70
75													18.8	124.6	14,000*	45.9	137.7	21,000*	75
80																33.8	131.0	16,800*	80

110 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	71.5	164.4	57,300*b																30
35	65.2	162.2	41,400*	70.1	163.6	53,000*													35
40	58.5	159.2	31,900*	63.7	161.3	38,900*	71.0	163.3	56,000*b										40
45	51.2	155.3	25,500*	56.8	158.1	30,300*	64.6	161.0	40,700*										45
50	43.0	150.3	20,900*	49.4	154.0	24,400*	57.9	157.9	31,500*	65.5	160.4	42,500*							50
55	33.1	143.3	17,400*	40.9	148.6	20,000*	50.5	154.0	25,200*	58.8	157.4	32,600*							55
60	18.4	131.7	14,600*	30.3	140.9	16,700*	42.2	148.8	20,700*	51.6	153.6	26,000*							60
65							32.0	141.6	17,200*	43.4	148.6	21,300*	57.9	154.7	31,800*				65
70							16.4	129.0	14,400*	33.6	141.8	17,700*	50.5	150.8	25,400*				70
75										19.4	130.5	14,800*	42.2	145.6	20,900*	56.6	151.0	30,600*	75
80													32.0	138.3	17,400*	49.1	146.9	24,600*	80
85													16.4	125.8	14,600*	40.5	141.4	20,300*	85
90																29.8	133.6	16,900*	90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	66.5	153.5	37,000*	72.5	154.9	50,800* ^b													30
35	58.1	150.5	26,900*	64.6	152.6	34,100*													35
40	48.7	146.4	20,700*	56.0	149.4	25,200*	65.8	152.3	36,000*										40
45	37.5	140.4	16,600*	46.3	144.9	19,700*	57.3	149.2	26,300*	66.9	151.7	38,000*							45
50	21.0	130.2	13,500*	34.3	138.3	15,800*	47.8	145.0	20,400*	58.5	148.8	27,500*							50
55							36.3	138.8	16,300*	49.2	144.7	21,100*							55
60							18.8	127.8	13,300*	38.0	138.8	16,900*	57.3	146.0	26,600*				60
65										22.1	129.0	13,700*	47.8	141.7	20,600*				65
70													36.3	135.6	16,500*	55.7	142.3	25,400*	70
75													18.8	124.6	13,400*	45.9	137.7	19,800*	75
80																33.8	131.0	15,900*	80

110 Ft. Boom, 120 Ft. Jib

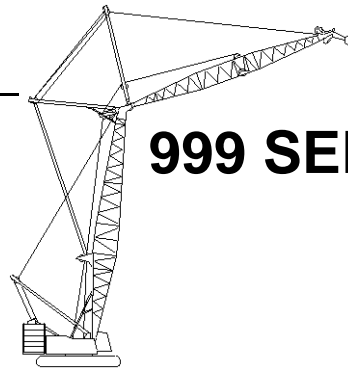
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	71.5	164.4	51,400*	70.1	163.6	47,400*													30
35	65.2	162.2	37,200*	63.7	161.3	34,900*	71.0	163.3	50,100*										35
40	58.5	159.2	28,600*	56.8	158.1	27,100*	64.6	161.0	36,500*										40
45	51.2	155.3	22,900*	49.4	154.0	21,800*	57.9	157.9	28,200*	65.5	160.4	38,100*							45
50	43.0	150.3	18,700*	40.9	148.6	17,900*	50.5	154.0	22,600*	58.8	157.4	29,200*							50
55	33.1	143.3	15,600*	30.3	140.9	15,000*	42.2	148.8	18,500*	51.6	153.6	23,300*							55
60	18.4	131.7	13,100*				32.0	141.6	15,400*	43.4	148.6	19,000*	57.9	154.7	28,400*				60
65							16.4	129.0	12,900*	33.6	141.8	15,800*	50.5	150.8	22,700*				65
70										19.4	130.5	13,300*	42.2	145.6	18,600*	56.6	151.0	27,300*	70
75													32.0	138.3	15,500*	49.1	146.9	22,000*	75
80													16.4	125.8	13,000*	40.5	141.4	18,100*	80
85																29.8	133.6	15,100*	85
90																			90



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

110 Ft. Boom, 130 Ft. Jib

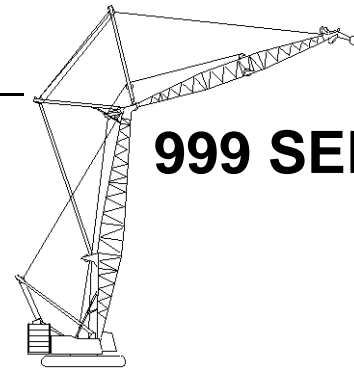
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	74.7	175.0	59,000*																30
35	69.6	173.2	47,100*	73.6	174.3	59,000*													35
40	64.3	170.8	36,300*	68.4	172.4	44,300*													40
45	58.8	167.9	29,100*	63.1	169.9	34,500*	69.2	172.0	46,200*										45
50	52.8	164.2	23,900*	57.4	166.8	27,800*	63.8	169.6	35,800*										50
55	46.3	159.6	20,000*	51.3	162.9	22,900*	58.2	166.6	28,700*	64.6	169.0	37,000*							55
60	38.9	153.8	16,900*	44.6	158.1	19,200*	52.2	162.9	23,600*	59.0	166.1	29,600*							60
65	29.9	145.9	14,500*	37.0	151.9	16,300*	45.7	158.2	19,800*	53.1	162.5	24,300*							65
70	16.6	133.0	12,400*	27.4	143.3	14,000*	38.2	152.2	16,800*	46.6	157.9	20,300*	58.2	163.4	28,900*				70
75							29.0	144.1	14,400*	39.2	152.2	17,200*	52.2	159.6	23,800*				75
80							14.7	130.2	12,300*	30.4	144.4	14,700*	45.7	155.0	20,000*	57.2	159.7	28,000*	80
85										17.4	131.9	12,600*	38.2	149.0	17,000*	51.1	155.8	23,200*	85
90													29.0	140.8	14,500*	44.4	150.9	19,500*	90
95													14.8	127.0	12,400*	36.7	144.6	16,600*	95
100																27.0	135.9	14,200*	100

110 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	72.7	183.8	59,000*																35
40	68.3	181.9	47,400*	71.7	183.1	57,600*													40
45	63.7	179.5	38,000*	67.2	181.1	45,000*													45
50	58.9	176.5	31,300*	62.6	178.6	36,400*	67.9	180.7	46,600*										50
55	53.9	173.0	26,300*	57.8	175.5	30,100*	63.3	178.3	37,500*										55
60	48.5	168.7	22,300*	52.7	171.8	25,300*	58.5	175.3	31,000*	63.9	177.7	38,700*							60
65	42.5	163.5	19,200*	47.1	167.3	21,600*	53.4	171.7	26,100*	59.2	174.8	31,900*							65
70	35.7	156.9	16,600*	41.0	161.8	18,600*	48.0	167.3	22,200*	54.1	171.3	26,800*							70
75	27.5	148.2	14,500*	34.0	154.9	16,100*	42.0	162.0	19,100*	48.7	167.0	22,800*	58.5	172.1	31,300*				75
80	15.2	134.2	12,700*	25.2	145.4	14,100*	35.1	155.3	16,600*	42.8	161.8	19,600*	53.4	168.5	26,300*				80
85							26.6	146.3	14,400*	36.1	155.4	17,000*	48.0	164.1	22,500*	57.6	168.4	30,400*	85
90							13.5	131.2	12,600*	27.9	146.8	14,800*	42.0	158.8	19,300*	52.5	164.7	25,700*	90
95										16.0	133.2	12,900*	35.1	152.1	16,800*	46.9	160.1	22,000*	95
100													26.6	143.1	14,600*	40.8	154.6	18,900*	100
105													13.5	128.0	12,800*	33.7	147.6	16,500*	105
110																24.8	138.0	14,300*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 150 Ft. Jib

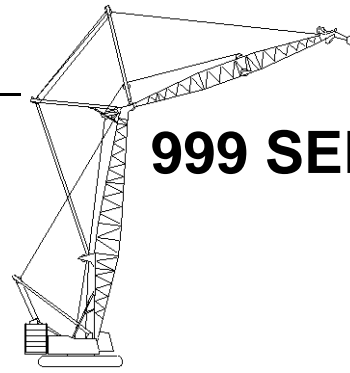
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.9	194.3	59,000*																35
40	71.1	192.7	57,100*																40
45	67.3	190.6	46,100*	70.2	191.9	54,300*													45
50	63.2	188.1	38,100*	66.3	189.8	44,100*	70.8	191.5	56,100*										50
55	59.1	185.2	32,200*	62.3	187.2	36,700*	66.9	189.5	45,500*										55
60	54.7	181.8	27,500*	58.1	184.2	31,100*	62.9	186.9	37,800*	67.4	188.8	46,800*							60
65	50.1	177.7	23,800*	53.6	180.6	26,700*	58.7	184.0	32,000*	63.4	186.3	38,800*							65
70	45.1	172.9	20,800*	48.9	176.3	23,200*	54.3	180.5	27,400*	59.3	183.4	32,800*							70
75	39.6	167.1	18,200*	43.8	171.3	20,200*	49.6	176.3	23,800*	54.9	180.0	28,100*	62.9	183.7	38,100*				75
80	33.3	159.9	16,100*	38.2	165.2	17,800*	44.6	171.4	20,800*	50.3	176.0	24,300*	58.7	180.7	32,300*				80
85	25.6	150.4	14,300*	31.6	157.7	15,700*	39.0	165.5	18,200*	45.3	171.2	21,300*	54.3	177.2	27,700*				85
90	14.1	135.3	12,700*	23.4	147.4	13,900*	32.6	158.2	16,100*	39.8	165.4	18,700*	49.6	173.1	24,100*	57.9	177.1	31,500*	90
95							24.8	148.5	14,300*	33.6	158.3	16,500*	44.6	168.2	21,000*	53.5	173.5	27,100*	95
100							12.5	132.2	12,700*	26.0	149.0	14,600*	39.0	162.3	18,500*	48.7	169.2	23,600*	100
105										14.8	134.4	13,000*	32.6	155.0	16,400*	43.6	164.1	20,700*	105
110													24.8	145.2	14,500*	37.9	158.0	18,200*	110
115													12.5	129.0	12,900*	31.4	150.4	16,100*	115
120																23.0	140.0	14,300*	120

110 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	203.2	59,000*																40
45	69.9	201.5	57,800*	72.5	202.6	59,000*													45
50	66.5	199.3	48,600*	69.1	200.7	55,700*													50
55	62.9	196.8	41,500*	65.6	198.5	47,100*	69.6	200.3	57,600*										55
60	59.2	193.9	35,600*	62.0	195.9	40,200*	66.1	198.2	48,500*										60
65	55.3	190.5	30,900*	58.3	192.8	34,600*	62.6	195.6	41,300*	66.6	197.5	49,800*							65
70	51.3	186.6	27,100*	54.4	189.3	30,100*	58.8	192.6	35,500*	63.0	195.0	42,300*							70
75	46.9	182.0	23,900*	50.3	185.3	26,400*	55.0	189.2	30,900*	59.4	192.1	36,400*							75
80	42.3	176.7	21,200*	45.9	180.6	23,400*	50.9	185.2	27,100*	55.5	188.7	31,700*	62.6	192.4	41,500*				80
85	37.1	170.4	18,900*	41.1	175.1	20,700*	46.5	180.6	24,000*	51.4	184.8	27,800*	58.8	189.4	35,900*				85
90	31.2	162.6	16,900*	35.8	168.4	18,500*	41.8	175.2	21,300*	47.1	180.3	24,500*	55.0	186.0	31,300*				90
95	24.0	152.5	15,100*	29.7	160.2	16,500*	36.6	168.8	19,000*	42.5	175.1	21,800*	50.9	182.0	27,500*				95
100	13.2	136.3	13,600*	22.0	149.3	14,800*	30.6	160.9	16,900*	37.4	168.8	19,400*	46.5	177.4	24,300*	54.2	182.2	30,700*	100
105							23.2	150.4	15,200*	31.5	161.1	17,300*	41.8	172.0	21,600*	50.1	178.2	27,100*	105
110							11.7	133.1	13,700*	24.4	151.1	15,500*	36.6	165.6	19,300*	45.7	173.4	24,000*	110
115										13.9	135.5	13,900*	30.6	157.7	17,300*	40.9	167.9	21,400*	115
120													23.2	147.2	15,500*	35.6	161.2	19,100*	120
125													11.7	129.9	13,900*	29.4	152.9	17,100*	125
130																21.6	141.8	15,300*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 170 Ft. Jib

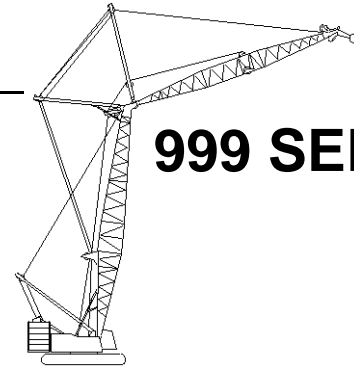
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.9	194.3	59,000*																35
40	71.1	192.7	52,800*																40
45	67.3	190.6	42,600*	70.2	191.9	50,100*													45
50	63.2	188.1	35,200*	66.3	189.8	40,800*	70.8	191.5	51,800*										50
55	59.1	185.2	29,700*	62.3	187.2	33,900*	66.9	189.5	42,000*										55
60	54.7	181.8	25,400*	58.1	184.2	28,700*	62.9	186.9	34,900*	67.4	188.8	43,300*							60
65	50.1	177.7	22,000*	53.6	180.6	24,700*	58.7	184.0	29,600*	63.4	186.3	35,900*							65
70	45.1	172.9	19,100*	48.9	176.3	21,400*	54.3	180.5	25,300*	59.3	183.4	30,300*							70
75	39.6	167.1	16,800*	43.8	171.3	18,600*	49.6	176.3	21,900*	54.9	180.0	26,000*	62.9	183.7	35,200*				75
80	33.3	159.9	14,800*	38.2	165.2	16,400*	44.6	171.4	19,100*	50.3	176.0	22,500*	58.7	180.7	29,800*				80
85	25.6	150.4	13,100*	31.6	157.7	14,500*	39.0	165.5	16,800*	45.3	171.2	19,600*	54.3	177.2	25,600*				85
90	14.1	135.3	11,700*	23.4	147.4	12,800*	32.6	158.2	14,800*	39.8	165.4	17,200*	49.6	173.1	22,200*	57.9	177.1	29,100*	90
95							24.8	148.5	13,100*	33.6	158.3	15,200*	44.6	168.2	19,400*	53.5	173.5	25,100*	95
100							12.5	132.2	11,700*	26.0	149.0	13,400*	39.0	162.3	17,100*	48.7	169.2	21,800*	100
105										14.8	134.4	11,900*	32.6	155.0	15,100*	43.6	164.1	19,100*	105
110													24.8	145.2	13,400*	37.9	158.0	16,800*	110
115													12.5	129.0	11,900*	31.4	150.4	14,900*	115
120																23.0	140.0	13,200*	120

110 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	203.2	59,000*																40
45	69.9	201.5	54,000*	72.5	202.6	59,000*													45
50	66.5	199.3	44,900*	69.1	200.7	51,700*													50
55	62.9	196.8	38,000*	65.6	198.5	43,300*	69.6	200.3	53,300*										55
60	59.2	193.9	32,600*	62.0	195.9	36,800*	66.1	198.2	44,500*										60
65	55.3	190.5	28,300*	58.3	192.8	31,700*	62.6	195.6	37,800*	66.6	197.5	45,600*							65
70	51.3	186.6	24,700*	54.4	189.3	27,500*	58.8	192.6	32,500*	63.0	195.0	38,700*							70
75	46.9	182.0	21,800*	50.3	185.3	24,100*	55.0	189.2	28,300*	59.4	192.1	33,300*							75
80	42.3	176.7	19,300*	45.9	180.6	21,300*	50.9	185.2	24,800*	55.5	188.7	29,000*	62.6	192.4	38,100*				80
85	37.1	170.4	17,100*	41.1	175.1	18,900*	46.5	180.6	21,900*	51.4	184.8	25,400*	58.8	189.4	32,900*				85
90	31.2	162.6	15,300*	35.8	168.4	16,800*	41.8	175.2	19,400*	47.1	180.3	22,400*	55.0	186.0	28,600*				90
95	24.0	152.5	13,700*	29.7	160.2	15,000*	36.6	168.8	17,300*	42.5	175.1	19,900*	50.9	182.0	25,200*				95
100	13.2	136.3	12,400*	22.0	149.3	13,500*	30.6	160.9	15,400*	37.4	168.8	17,700*	46.5	177.4	22,200*	54.2	182.2	28,100*	100
105							23.2	150.4	13,800*	31.5	161.1	15,800*	41.8	172.0	19,800*	50.1	178.2	24,800*	105
110							11.7	133.1	12,400*	24.4	151.1	14,100*	36.6	165.6	17,600*	45.7	173.4	21,900*	110
115										13.9	135.5	12,700*	30.6	157.7	15,700*	40.9	167.9	19,500*	115
120													23.2	147.2	14,100*	35.6	161.2	17,400*	120
125													11.7	129.9	12,700*	29.4	152.9	15,600*	125
130																21.6	141.8	14,000*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

110 Ft. Boom, 190 Ft. Jib

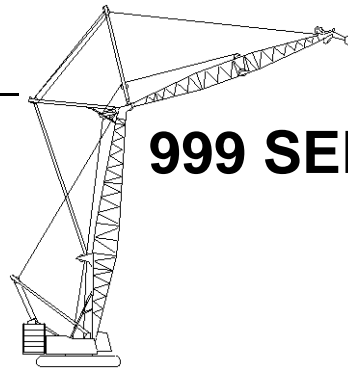
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.9	194.3	59,000*																35
40	71.1	192.7	48,900*																40
45	67.3	190.6	39,400*	70.2	191.9	46,400*													45
50	63.2	188.1	32,600*	66.3	189.8	37,700*	70.8	191.5	48,000*										50
55	59.1	185.2	27,500*	62.3	187.2	31,400*	66.9	189.5	39,000*										55
60	54.7	181.8	23,500*	58.1	184.2	26,600*	62.9	186.9	32,400*	67.4	188.8	40,100*							60
65	50.1	177.7	20,300*	53.6	180.6	22,800*	58.7	184.0	27,300*	63.4	186.3	33,300*							65
70	45.1	172.9	17,600*	48.9	176.3	19,700*	54.3	180.5	23,400*	59.3	183.4	28,100*							70
75	39.6	167.1	15,400*	43.8	171.3	17,200*	49.6	176.3	20,300*	54.9	180.0	24,000*	62.9	183.7	32,600*				75
80	33.3	159.9	13,600*	38.2	165.2	15,100*	44.6	171.4	17,700*	50.3	176.0	20,800*	58.7	180.7	27,600*				80
85	25.6	150.4	12,000*	31.6	157.7	13,300*	39.0	165.5	15,500*	45.3	171.2	18,100*	54.3	177.2	23,700*				85
90	14.1	135.3	10,700*	23.4	147.4	11,800*	32.6	158.2	13,600*	39.8	165.4	15,900*	49.6	173.1	20,600*	57.9	177.1	27,000*	90
95							24.8	148.5	12,100*	33.6	158.3	14,000*	44.6	168.2	17,900*	53.5	173.5	23,200*	95
100							12.5	132.2	10,800*	26.0	149.0	12,400*	39.0	162.3	15,800*	48.7	169.2	20,200*	100
105										14.8	134.4	11,000*	32.6	155.0	13,900*	43.6	164.1	17,700*	105
110													24.8	145.2	12,300*	37.9	158.0	15,500*	110
115													12.5	129.0	10,900*	31.4	150.4	13,700*	115
120																23.0	140.0	12,200*	120

110 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	73.3	203.2	59,000*																40
45	69.9	201.5	49,800*	72.5	202.6	58,300*													45
50	66.5	199.3	41,300*	69.1	200.7	47,700*													50
55	62.9	196.8	35,000*	65.6	198.5	39,800*	69.6	200.3	49,100*										55
60	59.2	193.9	30,000*	62.0	195.9	33,800*	66.1	198.2	41,000*										60
65	55.3	190.5	26,000*	58.3	192.8	29,100*	62.6	195.6	34,800*	66.6	197.5	42,000*							65
70	51.3	186.6	22,700*	54.4	189.3	25,300*	58.8	192.6	29,900*	63.0	195.0	35,700*							70
75	46.9	182.0	20,000*	50.3	185.3	22,200*	55.0	189.2	26,000*	59.4	192.1	30,700*							75
80	42.3	176.7	17,700*	45.9	180.6	19,500*	50.9	185.2	22,800*	55.5	188.7	26,600*	62.6	192.4	35,100*				80
85	37.1	170.4	15,700*	41.1	175.1	17,300*	46.5	180.6	20,100*	51.4	184.8	23,300*	58.8	189.4	30,300*				85
90	31.2	162.6	14,000*	35.8	168.4	15,400*	41.8	175.2	17,800*	47.1	180.3	20,600*	55.0	186.0	26,400*				90
95	24.0	152.5	12,500*	29.7	160.2	13,700*	36.6	168.8	15,800*	42.5	175.1	18,200*	50.9	182.0	23,100*				95
100	13.2	136.3	11,300*	22.0	149.3	12,300*	30.6	160.9	14,100*	37.4	168.8	16,200*	46.5	177.4	20,400*	54.2	182.2	25,900*	100
105							23.2	150.4	12,600*	31.5	161.1	14,500*	41.8	172.0	18,100*	50.1	178.2	22,800*	105
110							11.7	133.1	11,400*	24.4	151.1	12,900*	36.6	165.6	16,200*	45.7	173.4	20,200*	110
115										13.9	135.5	11,600*	30.6	157.7	14,400*	40.9	167.9	17,900*	115
120													23.2	147.2	12,900*	35.6	161.2	16,000*	120
125													11.7	129.9	11,600*	29.4	152.9	14,300*	125
130																21.6	141.8	12,800*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

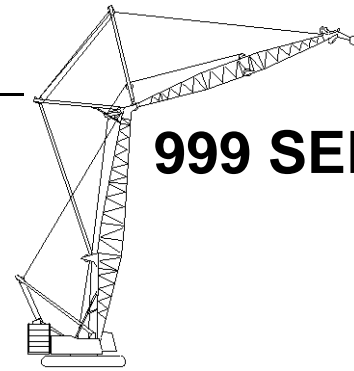
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

110 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.1	213.7	59,000*																40
45	72.0	212.1	55,600*																45
50	69.0	210.2	47,800*	71.3	211.4	53,600*													50
55	65.8	208.0	40,900*	68.2	209.5	46,300*													55
60	62.6	205.5	35,200*	65.1	207.2	39,600*	68.7	209.1	47,200*										60
65	59.3	202.5	30,600*	61.8	204.5	34,300*	65.5	206.8	40,700*										65
70	55.8	199.2	26,900*	58.5	201.5	29,900*	62.3	204.3	35,200*	66.0	206.2	41,600*							70
75	52.2	195.4	23,800*	55.0	198.1	26,300*	59.0	201.3	30,700*	62.7	203.7	36,000*							75
80	48.4	191.1	21,100*	51.3	194.2	23,300*	55.5	197.9	27,000*	59.4	200.8	31,400*							80
85	44.3	186.1	18,800*	47.5	189.7	20,700*	51.9	194.1	23,900*	56.0	197.5	27,600*	62.3	201.0	35,400*				85
90	39.9	180.3	16,800*	43.3	184.5	18,500*	48.0	189.7	21,300*	52.4	193.7	24,400*	59.0	198.1	31,000*				90
95	35.1	173.5	15,100*	38.9	178.6	16,600*	44.0	184.7	19,000*	48.6	189.4	21,800*	55.5	194.7	27,400*				95
100	29.5	165.2	13,600*	33.9	171.4	14,900*	39.5	178.8	17,000*	44.5	184.4	19,400*	51.9	190.9	24,300*				100
105	22.7	154.4	12,300*	28.1	162.7	13,400*	34.6	171.9	15,300*	40.1	178.7	17,400*	48.0	186.5	21,700*	54.8	191.0	26,900*	105
110	12.4	137.3	11,200*	20.7	151.0	12,100*	29.0	163.4	13,800*	35.3	171.9	15,700*	44.0	181.4	19,400*	51.2	187.0	24,000*	110
115							21.9	152.3	12,400*	29.8	163.7	14,100*	39.5	175.6	17,400*	47.3	182.5	21,400*	115
120							11.0	134.0	11,300*	23.0	153.1	12,700*	34.6	168.7	15,700*	43.2	177.4	19,200*	120
125										13.1	136.5	11,500*	29.0	160.2	14,100*	38.7	171.3	17,300*	125
130													22.0	149.1	12,800*	33.7	164.2	15,600*	130
135													11.0	130.8	11,600*	27.8	155.4	14,100*	135
140																20.4	143.5	12,300	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

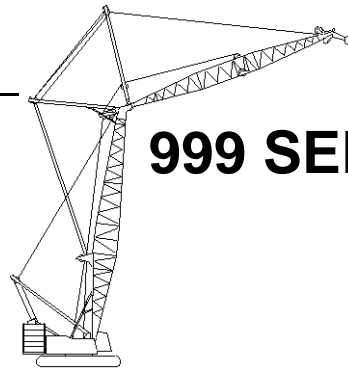
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

110 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	73.7	222.6	54,000*																45
50	71.0	220.9	46,200*	73.1	222.0	52,100*													50
55	68.2	219.0	40,100*	70.3	220.2	44,700*													55
60	65.3	216.7	35,100*	67.5	218.2	38,800*	70.7	219.8	45,700*										60
65	62.4	214.1	30,900*	64.6	215.8	34,100*	67.9	217.8	39,600*										65
70	59.3	211.2	27,500*	61.7	213.2	30,100*	65.0	215.5	34,700*										70
75	56.2	207.9	24,500*	58.6	210.2	26,800*	62.1	212.9	30,700*	65.4	214.9	35,300*							75
80	52.9	204.2	21,500*	55.5	206.8	23,900*	59.1	210.0	27,200*	62.5	212.3	31,200*							80
85	49.5	200.0	19,000*	52.2	203.0	21,100*	55.9	206.6	24,300*	59.5	209.4	27,700*							85
90	45.9	195.3	16,800*	48.7	198.7	18,700*	52.7	202.9	21,700*	56.3	206.2	24,700*	62.1	209.7	30,600*				90
95	42.1	189.9	14,900*	45.1	193.8	16,500*	49.2	198.7	19,200*	53.1	202.5	22,200*	59.1	206.7	27,300*				95
100	38.0	183.7	13,200*	41.2	188.3	14,700*	45.6	193.9	17,000*	49.7	198.3	19,700*	55.9	203.4	24,400*				100
105	33.3	176.5	11,800*	36.9	181.9	13,000*	41.8	188.5	15,100*	46.1	193.6	17,500*	52.7	199.7	21,900*				105
110	28.0	167.7	10,500*	32.2	174.3	11,600*	37.6	182.2	13,500*	42.3	188.3	15,500*	49.2	195.5	19,600*	55.3	199.7	23,900*	110
115	21.5	156.3	9,300*	26.7	165.0	10,300*	32.9	174.8	12,000*	38.2	182.1	13,800*	45.6	190.7	17,400*	52.0	195.9	21,400*	115
120	11.8	138.3	7,600*	19.7	152.7	9,200*	27.5	165.8	10,700*	33.6	174.9	12,300*	41.8	185.2	15,500*	48.6	191.6	19,300*	120
125							20.9	154.1	9,500*	28.3	166.2	11,000*	37.6	179.0	13,900*	44.9	186.7	17,300*	125
130							10.4	134.8	8,400*	21.9	155.0	9,800*	32.9	171.6	12,400*	41.0	181.1	15,400*	130
135										12.4	137.5	8,700*	27.5	162.6	11,000*	36.8	174.6	13,800*	135
140													20.9	150.9	9,800*	32.0	167.0	12,300*	140
145													10.4	131.6	8,800*	26.4	157.7	11,000	145
150																19.4	145.2	9,400	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

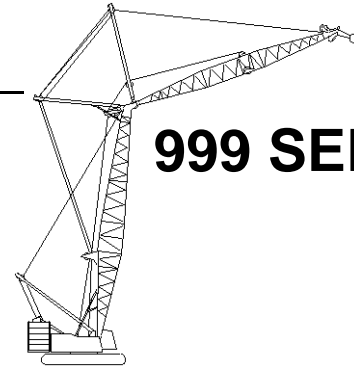
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

110 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.1	233.1	58,400*																45
50	72.6	231.5	50,500*																50
55	70.1	229.7	44,100*	72.0	230.9	48,900*													55
60	67.5	227.7	38,800*	69.5	229.0	42,800*													60
65	64.9	225.4	34,500*	66.9	226.9	37,800*	69.9	228.6	43,600*										65
70	62.2	222.8	30,800*	64.2	224.5	33,600*	67.3	226.6	38,500*										70
75	59.4	219.9	27,700*	61.5	221.8	30,100*	64.6	224.2	34,200*	67.6	225.9	39,100*							75
80	56.5	216.6	25,000*	58.7	218.9	27,100*	61.9	221.6	30,600*	65.0	223.6	34,700*							80
85	53.6	213.0	22,600*	55.8	215.5	24,500*	59.1	218.6	27,500*	62.3	221.0	31,000*							85
90	50.5	208.9	20,200*	52.9	211.8	22,100*	56.3	215.4	24,800*	59.5	218.1	27,900*							90
95	47.3	204.4	18,100*	49.7	207.6	19,900*	53.3	211.7	22,500*	56.7	214.9	25,200*	61.9	218.4	30,600*				95
100	43.8	199.3	16,200*	46.5	203.0	17,800*	50.2	207.6	20,400*	53.7	211.2	22,900*	59.1	215.4	27,500*				100
105	40.2	193.6	14,600*	43.0	197.8	16,000*	47.0	203.0	18,400*	50.6	207.2	20,800*	56.3	212.1	24,900*				105
110	36.2	187.0	13,100*	39.3	191.8	14,400*	43.5	197.9	16,500*	47.4	202.7	18,900*	53.3	208.5	22,600*				110
115	31.8	179.3	11,700*	35.2	185.0	12,900*	39.9	192.1	14,800*	44.0	197.7	17,000*	50.2	204.4	20,500*	55.7	208.4	24,300	115
120	26.8	170.0	10,500*	30.7	177.0	11,600*	35.9	185.4	13,300*	40.4	191.9	15,300*	47.0	199.8	18,700*	52.8	204.7	21,700	120
125	20.6	158.0	9,500*	25.5	167.2	10,500*	31.4	177.6	12,000*	36.4	185.4	13,700*	43.5	194.7	17,000*	49.6	200.5	19,400	125
130	11.2	139.2	4,200*	18.8	154.3	9,400*	26.3	168.1	10,800*	32.0	177.8	12,400*	39.9	188.8	15,300*	46.4	195.8	17,200	130
135							19.9	155.8	9,800*	27.0	168.6	11,200*	35.9	182.2	13,800*	42.9	190.6	15,200	135
140							9.9	135.6	4,900*	20.9	156.7	10,000*	31.4	174.4	12,500*	39.2	184.6	13,400	140
145										11.8	138.5	7,700*	26.3	164.9	11,200*	35.1	177.8	11,700	145
150													19.9	152.6	10,100*	30.5	169.7	10,100	150
155													9.9	132.4	7,900*	25.2	159.8	8,500	155
160																18.5	146.7	7,100	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

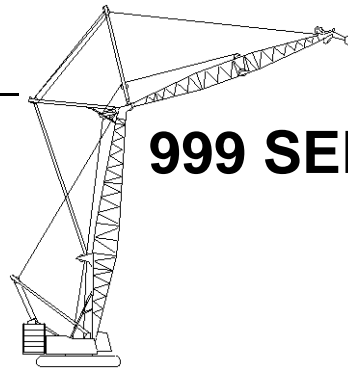
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

110 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
50	74.0	242.0	48,700*																50
55	71.7	240.4	42,400*	73.5	241.4	47,200*													55
60	69.3	238.5	37,300*	71.1	239.7	41,200*													60
65	66.9	236.4	32,900*	68.8	237.8	36,200*													65
70	64.5	234.1	29,300*	66.4	235.6	32,100*	69.1	237.4	36,900*										70
75	62.0	231.4	26,200*	63.9	233.2	28,500*	66.7	235.3	32,600*										75
80	59.4	228.5	23,400*	61.4	230.5	25,500*	64.3	232.9	29,100*	67.0	234.6	33,200*							80
85	56.8	225.3	21,100*	58.8	227.5	22,900*	61.8	230.2	26,000*	64.6	232.3	29,500*							85
90	54.1	221.7	19,000*	56.2	224.2	20,600*	59.2	227.3	23,300*	62.1	229.7	26,400*							90
95	51.3	217.8	17,100*	53.4	220.6	18,500*	56.6	224.1	20,900*	59.6	226.8	23,700*							95
100	48.3	213.4	15,400*	50.6	216.5	16,700*	53.8	220.5	18,900*	56.9	223.5	21,300*	61.8	227.0	25,900*				100
105	45.3	208.6	13,900*	47.6	212.1	15,100*	51.0	216.5	17,000*	54.2	220.0	19,200*	59.2	224.1	23,300*				105
110	42.0	203.2	12,600*	44.5	207.1	13,600*	48.1	212.1	15,400*	51.4	216.1	17,300*	56.6	220.8	21,000*				110
115	38.5	197.1	11,300*	41.2	201.5	12,300*	45.0	207.2	13,900*	48.5	211.7	15,600*	53.8	217.2	18,900*				115
120	34.7	190.1	10,200*	37.7	195.2	11,100*	41.7	201.7	12,600*	45.4	206.9	14,100*	51.0	213.2	17,100*	56.1	217.1	20,500*	120
125	30.5	182.0	9,000*	33.8	188.0	10,000*	38.2	195.5	11,300*	42.2	201.5	12,800*	48.1	208.8	15,500*	53.3	213.5	18,500*	125
130	25.7	172.2	7,900*	29.4	179.6	8,900*	34.4	188.5	10,200*	38.7	195.4	11,500*	45.0	203.9	14,000*	50.5	209.4	16,800*	130
135	19.7	159.7	7,000*	24.4	169.3	7,800*	30.1	180.2	9,200*	34.9	188.5	10,400*	41.7	198.5	12,600*	47.5	204.9	15,200*	135
140				18.0	155.8	6,400*	25.2	170.3	8,200*	30.7	180.5	9,400*	38.2	192.3	11,400*	44.4	199.9	13,500	140
145							19.1	157.4	6,600*	25.9	170.8	8,500*	34.4	185.2	10,300*	41.1	194.3	11,800	145
150										20.0	158.5	6,900*	30.1	177.0	9,300*	37.5	188.0	10,200	150
155										11.3	139.4	4,200*	25.2	167.1	8,400*	33.6	180.8	8,700	155
160													19.1	154.2	6,500*	29.3	172.3	7,300	160
165													9.5	133.1	4,400*	24.2	161.9	6,000	165
170																17.7	148.2	4,700	170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 70 Ft. Jib

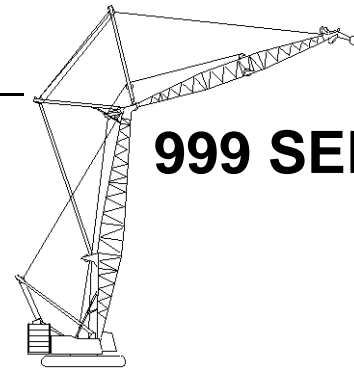
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.7	160.7	39,700* ^b																35
40	49.4	156.7	30,700*	57.3	159.9	38,100* ^b													40
45	38.3	150.9	24,700*	47.7	155.6	29,700*	59.4	160.0	41,100* ^b										45
50	22.6	141.2	20,200*	36.2	149.4	24,000*	50.2	156.1	31,600*										50
55				18.6	138.3	19,600*	39.4	150.5	25,300*	52.6	156.1	33,700*							55
60							24.3	141.4	20,700*	42.2	151.0	26,800*							60
65										28.7	143.1	21,800*	52.9	153.8	34,300*				65
70													42.6	148.7	27,200*				70
75													29.3	141.0	22,200*	52.7	150.4	34,500*	75
80																42.4	145.3	27,300*	80
85																29.0	137.5	22,200*	85

120 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.7	160.7	33,200*																35
40	49.4	156.7	25,600*	57.3	159.9	31,900*													40
45	38.3	150.9	20,400*	47.7	155.6	24,700*	59.4	160.0	34,400*										45
50	22.6	141.2	16,600*	36.2	149.4	19,800*	50.2	156.1	26,300*	61.5	159.7	37,300*							50
55				18.6	138.3	16,100*	39.4	150.5	20,900*	52.6	156.1	28,100*							55
60							24.3	141.4	17,000*	42.2	151.0	22,200*	61.8	157.4	38,100*				60
65										28.7	143.1	17,900*	52.9	153.8	28,600*				65
70													42.6	148.7	22,500*				70
75													29.3	141.0	18,200*	52.7	150.4	28,700*	75
80																42.4	145.3	22,600*	80
85																29.0	137.5	18,200*	85



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 90 Ft. Jib

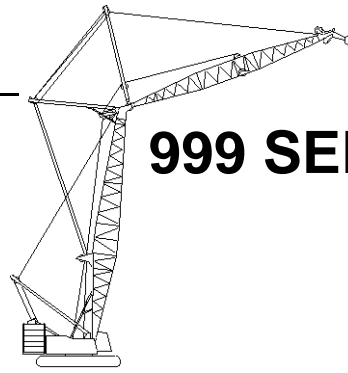
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.7	160.7	29,400*	65.7	162.9	38,700* ^b													35
40	49.4	156.7	22,400*	57.3	159.9	28,100*													40
45	38.3	150.9	17,800*	47.7	155.6	21,600*	59.4	160.0	30,400*										45
50	22.6	141.2	14,300*	36.2	149.4	17,200*	50.2	156.1	23,100*	61.5	159.7	32,900*							50
55				18.6	138.3	13,900*	39.4	150.5	18,300*	52.6	156.1	24,700*							55
60							24.3	141.4	14,700*	42.2	151.0	19,300*	61.8	157.4	33,600*				60
65										28.7	143.1	15,500*	52.9	153.8	25,100*				65
70													42.6	148.7	19,600*				70
75													29.3	141.0	15,800*	52.7	150.4	25,200*	75
80																42.4	145.3	19,700*	80
85																29.0	137.5	15,800*	85

120 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	65.7	172.3	42,500*	70.9	173.9	56,100* ^b													35
40	59.0	169.4	32,600*	64.6	171.6	40,700*													40
45	51.7	165.6	26,000*	57.8	168.6	31,400*	66.2	171.5	44,100*										45
50	43.6	160.7	21,200*	50.5	164.6	25,200*	59.6	168.7	33,600*	67.7	171.0	47,700*							50
55	33.8	153.9	17,700*	42.1	159.4	20,600*	52.4	165.0	26,700*	61.2	168.4	35,800*							55
60	19.8	142.8	14,800*	32.0	152.2	17,200*	44.3	160.1	21,700*	54.2	164.9	28,200*							60
65				16.3	139.6	14,400*	34.8	153.5	18,100*	46.4	160.4	22,900*	61.4	166.0	36,500*				65
70							21.4	143.1	15,100*	37.3	154.3	18,900*	54.4	162.6	28,700*				70
75										25.3	145.2	15,800*	46.7	158.1	23,200*				75
80													37.6	152.1	19,200*	54.3	159.2	28,700*	80
85													25.8	143.1	16,100*	46.5	154.7	23,300*	85
90																37.5	148.6	19,300*	90
95																25.6	139.6	16,100*	95



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 110 Ft. Jib

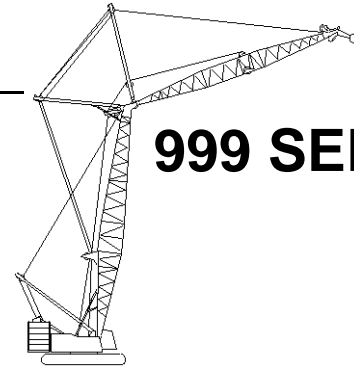
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	67.1	163.7	38,000*																30
35	58.7	160.7	27,500*	65.7	162.9	36,000*													35
40	49.4	156.7	21,100*	57.3	159.9	26,300*	67.7	162.8	39,700*										40
45	38.3	150.9	16,900*	47.7	155.6	20,400*	59.4	160.0	28,400*										45
50	22.6	141.2	13,700*	36.2	149.4	16,300*	50.2	156.1	21,700*	61.5	159.7	30,600*							50
55				18.6	138.3	13,300*	39.4	150.5	17,300*	52.6	156.1	23,100*							55
60							24.3	141.4	14,000*	42.2	151.0	18,300*	61.8	157.4	31,200*				60
65										28.7	143.1	14,800*	52.9	153.8	23,500*				65
70													42.6	148.7	18,500*				70
75													29.3	141.0	15,000*	52.7	150.4	23,500*	75
80																42.4	145.3	18,500*	80
85																29.0	137.5	15,000*	85

120 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	72.0	174.5	53,000*																30
35	65.7	172.3	38,100*	70.9	173.9	50,100*													35
40	59.0	169.4	29,200*	64.6	171.6	36,500*													40
45	51.7	165.6	23,200*	57.8	168.6	28,100*	66.2	171.5	39,400*										45
50	43.6	160.7	19,000*	50.5	164.6	22,500*	59.6	168.7	30,000*	67.7	171.0	42,500*							50
55	33.8	153.9	15,800*	42.1	159.4	18,500*	52.4	165.0	23,800*	61.2	168.4	32,000*							55
60	19.8	142.8	13,200*	32.0	152.2	15,400*	44.3	160.1	19,400*	54.2	164.9	25,200*							60
65				16.3	139.6	12,900*	34.8	153.5	16,100*	46.4	160.4	20,400*	61.4	166.0	32,500*				65
70							21.4	143.1	13,500*	37.3	154.3	16,900*	54.4	162.6	25,600*				70
75										25.3	145.2	14,100*	46.7	158.1	20,700*				75
80													37.6	152.1	17,100*	54.3	159.2	25,600*	80
85													25.8	143.1	14,300*	46.5	154.7	20,800*	85
90																37.5	148.6	17,200*	90
95																25.6	139.6	14,400*	95



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 130 Ft. Jib

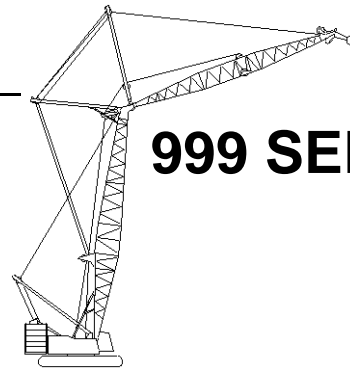
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	75.1	185.1	59,000*																30
35	70.0	183.3	48,300*																35
40	64.7	181.0	37,000*	69.1	182.7	46,200*													40
45	59.2	178.1	29,600*	63.8	180.3	35,700*	70.4	182.4	49,900*										45
50	53.2	174.5	24,200*	58.2	177.3	28,700*	65.2	180.2	38,100*										50
55	46.8	170.0	20,200*	52.2	173.5	23,600*	59.6	177.3	30,300*	66.4	179.7	40,600*							55
60	39.4	164.2	17,100*	45.6	168.8	19,700*	53.7	173.8	24,800*	61.0	177.0	32,100*							60
65	30.6	156.5	14,600*	38.1	162.8	16,700*	47.3	169.4	20,700*	55.2	173.7	26,100*							65
70	17.9	144.3	12,600*	28.9	154.7	14,300*	40.1	163.8	17,500*	48.9	169.5	21,700*	61.2	174.7	32,500*				70
75				14.6	140.7	12,300*	31.4	156.3	14,900*	41.9	164.2	18,300*	55.4	171.3	26,400*				75
80							19.3	144.7	12,800*	33.7	157.2	15,600*	49.2	167.2	21,900*				80
85										22.8	147.1	13,300*	42.2	161.9	18,500*	55.3	168.0	26,500*	85
90													34.0	155.1	15,800*	49.1	163.8	22,000*	90
95													23.3	145.1	13,500*	42.1	158.5	18,600*	95
100																33.9	151.6	15,800*	100
105																23.1	141.6	13,600*	105

120 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	73.0	193.9	59,000*																35
40	68.6	192.0	48,400*	72.3	193.4	59,000*													40
45	64.0	189.7	38,700*	67.9	191.4	46,600*													45
50	59.3	186.8	31,800*	63.3	188.9	37,500*	69.0	191.2	49,700*										50
55	54.3	183.3	26,600*	58.5	185.9	30,900*	64.4	188.9	39,700*										55
60	48.9	179.0	22,600*	53.4	182.3	26,000*	59.7	186.0	32,600*	65.5	188.4	41,900*							60
65	43.0	173.9	19,400*	47.9	178.0	22,100*	54.7	182.6	27,200*	60.8	185.7	34,200*							65
70	36.3	167.5	16,800*	41.9	172.6	19,000*	49.3	178.4	23,100*	55.9	182.4	28,500*							70
75	28.1	158.9	14,600*	35.0	165.9	16,500*	43.5	173.3	19,800*	50.7	178.4	24,100*	61.0	183.3	34,600*				75
80	16.4	145.6	12,800*	26.6	156.9	14,300*	36.9	167.0	17,200*	44.9	173.6	20,700*	56.1	180.1	28,900*				80
85				13.4	141.7	12,600*	28.9	158.8	14,900*	38.5	167.6	17,900*	50.9	176.1	24,500*				85
90							17.7	146.1	13,000*	31.0	159.9	15,500*	45.2	171.3	20,900*	56.0	176.7	28,900*	90
95										20.9	148.8	13,500*	38.8	165.4	18,100*	50.8	172.7	24,500*	95
100													31.3	157.8	15,700*	45.1	167.9	21,000*	100
105													21.4	146.9	13,700*	38.7	162.0	18,200*	105
110																31.2	154.3	15,800*	110
115																21.2	143.3	13,800*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 150 Ft. Jib

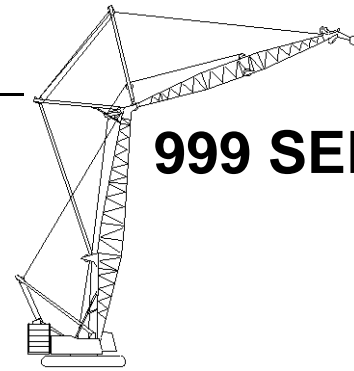
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.2	204.4	59,000*																35
40	71.4	202.8	58,300*																40
45	67.5	200.8	46,900*	70.8	202.2	56,200*													45
50	63.5	198.3	38,700*	66.9	200.1	45,500*													50
55	59.4	195.4	32,600*	62.9	197.6	37,700*	67.9	199.9	48,000*										55
60	55.0	192.0	27,900*	58.7	194.6	31,900*	63.9	197.5	39,600*										60
65	50.4	188.0	24,100*	54.3	191.1	27,300*	59.7	194.7	33,400*	64.8	197.1	41,500*							65
70	45.4	183.2	21,000*	49.6	187.0	23,600*	55.4	191.3	28,500*	60.7	194.4	34,900*							70
75	40.0	177.5	18,400*	44.6	182.1	20,600*	50.8	187.3	24,600*	56.4	191.1	29,700*							75
80	33.7	170.4	16,200*	39.0	176.1	18,100*	45.9	182.6	21,500*	51.9	187.3	25,600*	60.9	192.0	35,200*				80
85	26.2	161.2	14,400*	32.6	168.8	16,000*	40.4	177.0	18,800*	47.1	182.8	22,300*	56.6	188.8	30,100*				85
90	15.2	146.8	12,800*	24.7	159.0	14,200*	34.3	170.1	16,600*	41.8	177.4	19,500*	52.1	185.0	26,000*				90
95				12.4	142.7	12,600*	26.9	161.1	14,700*	35.9	170.8	17,200*	47.3	180.5	22,600*	56.5	185.4	30,100*	95
100							16.4	147.4	13,100*	28.8	162.5	15,200*	42.0	175.2	19,800*	52.0	181.6	26,100*	100
105										19.5	150.4	13,500*	36.1	168.6	17,500*	47.2	177.1	22,700*	105
110													29.1	160.3	15,500*	41.9	171.7	19,900*	110
115													19.9	148.5	13,700*	36.0	165.2	17,600*	115
120																29.0	156.9	15,600*	120
125																19.7	145.0	13,800*	125

120 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.6	213.4	59,000*																40
45	70.2	211.6	58,600*	73.0	212.8	59,000*													45
50	66.7	209.5	49,200*	69.6	211.0	57,200*													50
55	63.1	207.0	42,100*	66.1	208.8	48,200*	70.5	210.7	59,000*										55
60	59.4	204.1	36,100*	62.5	206.2	41,100*	67.0	208.6	50,600*										60
65	55.6	200.7	31,300*	58.8	203.3	35,400*	63.4	206.2	43,000*	67.8	208.1	53,100*							65
70	51.5	196.9	27,400*	54.9	199.8	30,700*	59.8	203.3	36,900*	64.3	205.8	44,900*							70
75	47.2	192.4	24,100*	50.9	195.9	26,900*	55.9	200.0	32,000*	60.7	203.0	38,400*							75
80	42.6	187.1	21,300*	46.5	191.3	23,800*	51.9	196.2	28,000*	56.9	199.8	33,300*							80
85	37.5	180.9	19,000*	41.8	185.9	21,100*	47.6	191.7	24,700*	52.9	196.1	29,100*	60.8	200.7	38,800*				85
90	31.7	173.2	17,000*	36.6	179.4	18,800*	43.0	186.6	21,900*	48.7	191.8	25,600*	57.0	197.5	33,700*				90
95	24.6	163.3	15,200*	30.6	171.5	16,800*	38.0	180.4	19,500*	44.2	186.8	22,700*	53.0	193.8	29,500*				95
100	14.2	147.9	13,700*	23.2	161.0	15,000*	32.2	172.9	17,400*	39.2	180.9	20,200*	48.8	189.5	26,000*	56.9	194.1	33,800*	100
105				11.6	143.6	13,600*	25.2	163.3	15,600*	33.7	173.8	18,000*	44.3	184.6	23,000*	53.0	190.4	29,600*	105
110							15.4	148.7	14,000*	27.1	164.8	16,100*	39.4	178.7	20,500*	48.8	186.1	26,100*	110
115										18.2	152.0	14,500*	33.9	171.6	18,300*	44.3	181.2	23,200*	115
120													27.3	162.7	16,400*	39.3	175.3	20,700*	120
125													18.6	150.1	14,700*	33.8	168.2	18,500*	125
130																27.2	159.2	16,600*	130
135																18.5	146.5	14,900*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 170 Ft. Jib

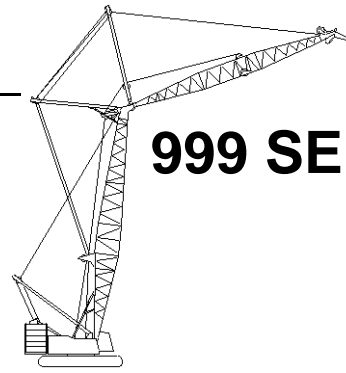
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.2	204.4	59,000*																35
40	71.4	202.8	53,800*																40
45	67.5	200.8	43,300*	70.8	202.2	51,900*													45
50	63.5	198.3	35,800*	66.9	200.1	42,000*													50
55	59.4	195.4	30,100*	62.9	197.6	34,900*	67.9	199.9	44,300*										55
60	55.0	192.0	25,700*	58.7	194.6	29,400*	63.9	197.5	36,600*										60
65	50.4	188.0	22,200*	54.3	191.1	25,200*	59.7	194.7	30,800*	64.8	197.1	38,400*							65
70	45.4	183.2	19,300*	49.6	187.0	21,800*	55.4	191.3	26,300*	60.7	194.4	32,200*							70
75	40.0	177.5	16,900*	44.6	182.1	19,000*	50.8	187.3	22,700*	56.4	191.1	27,500*							75
80	33.7	170.4	14,900*	39.0	176.1	16,700*	45.9	182.6	19,800*	51.9	187.3	23,700*	60.9	192.0	32,600*				80
85	26.2	161.2	13,200*	32.6	168.8	14,700*	40.4	177.0	17,400*	47.1	182.8	20,600*	56.6	188.8	27,800*				85
90	15.2	146.8	11,800*	24.7	159.0	13,000*	34.3	170.1	15,300*	41.8	177.4	18,000*	52.1	185.0	24,000*				90
95				12.4	142.7	11,600*	26.9	161.1	13,500*	35.9	170.8	15,900*	47.3	180.5	20,900*	56.5	185.4	27,900*	95
100							16.4	147.4	12,000*	28.8	162.5	14,000*	42.0	175.2	18,300*	52.0	181.6	24,100*	100
105										19.5	150.4	12,400*	36.1	168.6	16,100*	47.2	177.1	21,000*	105
110													29.1	160.3	14,200*	41.9	171.7	18,400*	110
115													19.9	148.5	12,600*	36.0	165.2	16,200*	115
120																29.0	156.9	14,400*	120
125																19.7	145.0	12,700*	125

120 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.6	213.4	59,000*																40
45	70.2	211.6	55,000*	73.0	212.8	59,000*													45
50	66.7	209.5	45,600*	69.6	211.0	53,300*													50
55	63.1	207.0	38,500*	66.1	208.8	44,400*	70.5	210.7	56,100*										55
60	59.4	204.1	33,000*	62.5	206.2	37,700*	67.0	208.6	46,600*										60
65	55.6	200.7	28,600*	58.8	203.3	32,400*	63.4	206.2	39,400*	67.8	208.1	48,700*							65
70	51.5	196.9	25,000*	54.9	199.8	28,100*	59.8	203.3	33,800*	64.3	205.8	41,100*							70
75	47.2	192.4	22,000*	50.9	195.9	24,600*	55.9	200.0	29,300*	60.7	203.0	35,200*							75
80	42.6	187.1	19,400*	46.5	191.3	21,700*	51.9	196.2	25,600*	56.9	199.8	30,500*							80
85	37.5	180.9	17,300*	41.8	185.9	19,200*	47.6	191.7	22,600*	52.9	196.1	26,600*	60.8	200.7	35,600*				85
90	31.7	173.2	15,400*	36.6	179.4	17,100*	43.0	186.6	20,000*	48.7	191.8	23,400*	57.0	197.5	30,800*				90
95	24.6	163.3	13,800*	30.6	171.5	15,200*	38.0	180.4	17,800*	44.2	186.8	20,700*	53.0	193.8	27,000*				95
100	14.2	147.9	12,400*	23.2	161.0	13,600*	32.2	172.9	15,800*	39.2	180.9	18,400*	48.8	189.5	23,800*	56.9	194.1	30,900*	100
105				11.6	143.6	12,300*	25.2	163.3	14,200*	33.7	173.8	16,400*	44.3	184.6	21,000*	53.0	190.4	27,100*	105
110							15.4	148.7	12,700*	27.1	164.8	14,700*	39.4	178.7	18,700*	48.8	186.1	23,900*	110
115										18.2	152.0	13,200*	33.9	171.6	16,700*	44.3	181.2	21,200*	115
120													27.3	162.7	15,000*	39.3	175.3	18,900*	120
125													18.6	150.1	13,400*	33.8	168.2	16,900*	125
130																27.2	159.2	15,100*	130
135																18.5	146.5	13,500*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

120 Ft. Boom, 190 Ft. Jib

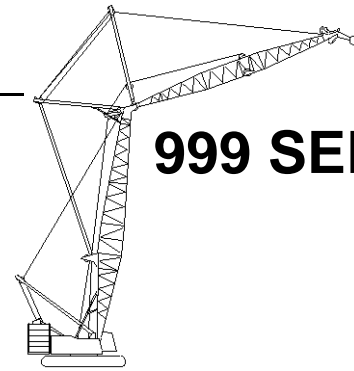
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	75.2	204.4	59,000*																35
40	71.4	202.8	49,800*																40
45	67.5	200.8	40,100*	70.8	202.2	48,100*													45
50	63.5	198.3	33,100*	66.9	200.1	38,900*													50
55	59.4	195.4	27,800*	62.9	197.6	32,300*	67.9	199.9	41,100*										55
60	55.0	192.0	23,700*	58.7	194.6	27,200*	63.9	197.5	33,900*										60
65	50.4	188.0	20,500*	54.3	191.1	23,300*	59.7	194.7	28,500*	64.8	197.1	35,600*							65
70	45.4	183.2	17,800*	49.6	187.0	20,100*	55.4	191.3	24,400*	60.7	194.4	29,800*							70
75	40.0	177.5	15,600*	44.6	182.1	17,500*	50.8	187.3	21,000*	56.4	191.1	25,400*							75
80	33.7	170.4	13,700*	39.0	176.1	15,300*	45.9	182.6	18,300*	51.9	187.3	21,900*	60.9	192.0	30,200*				80
85	26.2	161.2	12,100*	32.6	168.8	13,500*	40.4	177.0	16,000*	47.1	182.8	19,000*	56.6	188.8	25,700*				85
90	15.2	146.8	10,800*	24.7	159.0	12,000*	34.3	170.1	14,100*	41.8	177.4	16,600*	52.1	185.0	22,200*				90
95				12.4	142.7	10,700*	26.9	161.1	12,400*	35.9	170.8	14,600*	47.3	180.5	19,300*	56.5	185.4	25,800*	95
100							16.4	147.4	11,000*	28.8	162.5	12,900*	42.0	175.2	16,900*	52.0	181.6	22,300*	100
105										19.5	150.4	11,400*	36.1	168.6	14,900*	47.2	177.1	19,400*	105
110													29.1	160.3	13,100*	41.9	171.7	17,000*	110
115													19.9	148.5	11,600*	36.0	165.2	15,000*	115
120																29.0	156.9	13,200*	120
125																19.7	145.0	11,700*	125

120 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	73.6	213.4	59,000*																40
45	70.2	211.6	50,600*	73.0	212.8	59,000*													45
50	66.7	209.5	41,900*	69.6	211.0	49,100*													50
55	63.1	207.0	35,400*	66.1	208.8	40,900*	70.5	210.7	51,700*										55
60	59.4	204.1	30,300*	62.5	206.2	34,700*	67.0	208.6	42,900*										60
65	55.6	200.7	26,200*	58.8	203.3	29,800*	63.4	206.2	36,300*	67.8	208.1	44,900*							65
70	51.5	196.9	22,900*	54.9	199.8	25,800*	59.8	203.3	31,100*	64.3	205.8	37,900*							70
75	47.2	192.4	20,100*	50.9	195.9	22,600*	55.9	200.0	26,900*	60.7	203.0	32,400*							75
80	42.6	187.1	17,800*	46.5	191.3	19,900*	51.9	196.2	23,500*	56.9	199.8	28,000*							80
85	37.5	180.9	15,800*	41.8	185.9	17,600*	47.6	191.7	20,700*	52.9	196.1	24,500*	60.8	200.7	32,800*				85
90	31.7	173.2	14,100*	36.6	179.4	15,600*	43.0	186.6	18,300*	48.7	191.8	21,500*	57.0	197.5	28,400*				90
95	24.6	163.3	12,600*	30.6	171.5	13,900*	38.0	180.4	16,300*	44.2	186.8	19,000*	53.0	193.8	24,800*				95
100	14.2	147.9	11,300*	23.2	161.0	12,500*	32.2	172.9	14,500*	39.2	180.9	16,900*	48.8	189.5	21,800*	56.9	194.1	28,500*	100
105				11.6	143.6	11,300*	25.2	163.3	13,000*	33.7	173.8	15,000*	44.3	184.6	19,300*	53.0	190.4	24,900*	105
110							15.4	148.7	11,600*	27.1	164.8	13,400*	39.4	178.7	17,200*	48.8	186.1	22,000*	110
115										18.2	152.0	12,000*	33.9	171.6	15,300*	44.3	181.2	19,500*	115
120													27.3	162.7	13,700*	39.3	175.3	17,300*	120
125													18.6	150.1	12,300*	33.8	168.2	15,500*	125
130																27.2	159.2	13,800*	130
135																18.5	146.5	12,400*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

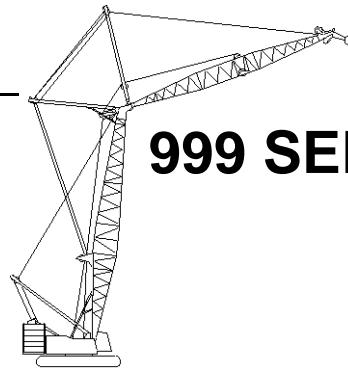
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

120 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.3	223.8	59,000*																40
45	72.3	222.2	56,400*																45
50	69.2	220.4	48,400*	71.8	221.6	55,000*													50
55	66.0	218.2	41,500*	68.7	219.7	47,300*													55
60	62.8	215.6	35,600*	65.5	217.5	40,600*	69.4	219.5	49,100*										60
65	59.5	212.7	31,000*	62.3	214.9	35,000*	66.3	217.3	42,400*										65
70	56.1	209.4	27,100*	58.9	211.9	30,500*	63.1	214.9	36,500*	67.1	216.8	44,100*							70
75	52.5	205.7	23,900*	55.5	208.6	26,700*	59.8	212.0	31,800*	63.9	214.4	37,900*							75
80	48.7	201.4	21,200*	51.8	204.7	23,700*	56.3	208.7	27,900*	60.6	211.7	33,000*							80
85	44.6	196.5	18,900*	48.0	200.3	21,000*	52.8	205.0	24,600*	57.2	208.5	28,900*							85
90	40.3	190.8	16,900*	43.9	195.3	18,700*	49.0	200.8	21,900*	53.6	204.9	25,500*	60.7	209.3	33,300*				90
95	35.4	184.0	15,100*	39.5	189.4	16,800*	45.0	195.9	19,500*	49.9	200.8	22,700*	57.3	206.2	29,300*				95
100	29.9	175.9	13,600*	34.6	182.5	15,000*	40.6	190.2	17,400*	46.0	196.1	20,200*	53.8	202.6	25,900*				100
105	23.2	165.3	12,300*	28.9	174.0	13,500*	35.9	183.6	15,700*	41.7	190.6	18,100*	50.0	198.5	23,100*	57.3	202.8	29,100	105
110	13.4	149.0	11,200*	21.9	162.9	12,200*	30.4	175.6	14,100*	37.1	184.3	16,300*	46.1	193.8	20,600*	53.7	199.2	26,000	110
115				10.9	144.5	11,100*	23.8	165.3	12,700*	31.8	176.6	14,600*	41.9	188.4	18,500*	50.0	195.1	23,200	115
120							14.5	149.9	11,500*	25.6	167.0	13,200*	37.2	182.1	16,600*	46.0	190.4	20,600	120
125										17.2	153.4	11,900*	32.0	174.5	14,900*	41.8	185.0	18,200	125
130													25.8	164.9	13,500*	37.2	178.6	16,000	130
135													17.6	151.6	12,200*	31.9	171.0	13,900	135
140																25.7	161.4	12,000	140
145																17.4	148.0	10,200	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

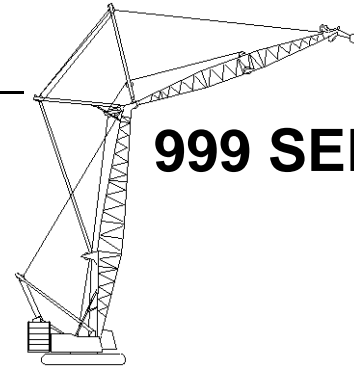
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

120 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.9	232.7	54,800*																45
50	71.2	231.1	46,800*	73.5	232.2	53,400*													50
55	68.4	229.1	40,600*	70.7	230.5	45,800*													55
60	65.5	226.9	35,500*	67.9	228.5	39,700*													60
65	62.6	224.3	31,300*	65.0	226.2	34,800*	68.6	228.3	41,100*										65
70	59.5	221.4	27,800*	62.1	223.6	30,700*	65.7	226.0	35,900*										70
75	56.4	218.1	24,700*	59.0	220.6	27,300*	62.8	223.5	31,700*	66.4	225.6	37,100*							75
80	53.2	214.5	21,700*	55.9	217.3	24,300*	59.8	220.7	28,100*	63.5	223.1	32,600*							80
85	49.8	210.3	19,100*	52.6	213.5	21,400*	56.7	217.4	25,100*	60.5	220.3	28,900*							85
90	46.2	205.7	16,900*	49.2	209.3	18,900*	53.5	213.8	22,400*	57.4	217.2	25,800*							90
95	42.4	200.3	15,000*	45.6	204.5	16,800*	50.1	209.7	19,800*	54.2	213.6	23,100*	60.6	218.0	29,000*				95
100	38.3	194.2	13,300*	41.7	199.1	14,900*	46.5	205.1	17,500*	50.9	209.7	20,600*	57.6	214.8	25,900*				100
105	33.7	187.0	11,800*	37.5	192.8	13,200*	42.7	199.8	15,600*	47.4	205.2	18,200*	54.4	211.3	23,200*				105
110	28.4	178.3	10,500*	32.9	185.4	11,800*	38.6	193.7	13,800*	43.7	200.1	16,200*	51.0	207.4	20,900*	57.5	211.5	25,800*	110
115	22.1	167.2	9,400*	27.5	176.4	10,500*	34.1	186.7	12,300*	39.6	194.2	14,400*	47.5	202.9	18,600*	54.3	207.9	23,200*	115
120	12.7	150.0	8,400*	20.8	164.7	9,300*	28.9	178.1	10,900*	35.2	187.4	12,800*	43.8	197.8	16,500*	51.0	204.0	20,700*	120
125				10.3	145.3	7,300*	22.7	167.2	9,700*	30.2	179.3	11,400*	39.8	192.0	14,700*	47.5	199.5	18,400*	125
130							13.8	151.0	8,700*	24.3	169.1	10,200*	35.4	185.2	13,100*	43.7	194.4	16,200*	130
135										16.4	154.8	9,100*	30.4	177.2	11,700*	39.7	188.6	14,300*	135
140													24.5	167.1	10,400*	35.3	181.8	12,400*	140
145													16.7	153.0	9,300*	30.3	173.7	10,700*	145
150																24.4	163.6	9,000*	150
155																16.6	149.3	7,400*	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

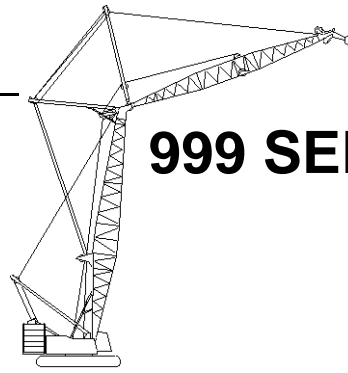
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

120 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.3	243.2	59,000*																45
50	72.8	241.6	51,100*																50
55	70.3	239.9	44,600*	72.4	241.1	50,000*													55
60	67.7	237.8	39,300*	69.8	239.3	43,700*													60
65	65.0	235.6	34,800*	67.3	237.2	38,500*	70.5	239.0	45,100*										65
70	62.4	233.0	31,100*	64.6	234.8	34,200*	67.9	237.0	39,700*										70
75	59.6	230.1	28,000*	61.9	232.2	30,600*	65.3	234.7	35,300*										75
80	56.7	226.8	25,200*	59.1	229.3	27,500*	62.6	232.2	31,500*	65.9	234.3	36,300*							80
85	53.8	223.2	22,800*	56.3	226.0	24,900*	59.8	229.3	28,300*	63.2	231.8	32,400*							85
90	50.7	219.2	20,300*	53.3	222.3	22,500*	57.0	226.1	25,500*	60.5	229.0	29,000*							90
95	47.5	214.7	18,200*	50.2	218.2	20,200*	54.0	222.5	23,100*	57.7	225.9	26,200*							95
100	44.1	209.7	16,300*	46.9	213.7	18,100*	51.0	218.6	21,000*	54.7	222.4	23,700*	60.6	226.6	29,100*				100
105	40.5	204.0	14,600*	43.5	208.5	16,200*	47.8	214.1	18,900*	51.7	218.5	21,500*	57.8	223.5	26,300*				105
110	36.5	197.5	13,100*	39.8	202.7	14,500*	44.4	209.1	16,900*	48.5	214.2	19,600*	54.9	220.1	23,800*				110
115	32.2	189.9	11,800*	35.8	196.0	13,100*	40.8	203.5	15,200*	45.2	209.3	17,600*	51.8	216.2	21,600*	57.7	220.1	23,700	115
120	27.2	180.7	10,600*	31.4	188.2	11,700*	36.9	197.0	13,700*	41.7	203.9	15,800*	48.7	211.9	19,700*	54.8	216.7	21,100	120
125	21.1	169.0	9,500*	26.3	178.7	10,600*	32.5	189.5	12,300*	37.8	197.6	14,200*	45.3	207.1	18,000*	51.8	212.8	18,800	125
130	12.1	151.0	5,200*	19.9	166.4	9,500*	27.6	180.5	11,100*	33.6	190.4	12,800*	41.8	201.6	16,200*	48.6	208.5	16,700	130
135				9.8	146.1	4,000*	21.6	169.1	10,000*	28.9	181.8	11,500*	38.0	195.4	14,600*	45.3	203.6	14,700	135
140							13.1	152.1	7,800*	23.2	171.1	10,400*	33.8	188.2	13,200*	41.7	198.2	12,900	140
145										15.6	156.1	9,300*	29.1	179.7	11,900*	37.9	192.0	11,200	145
150													23.4	169.1	10,700*	33.7	184.8	9,700	150
155													15.9	154.3	9,200	29.0	176.2	8,200	155
160																23.3	165.6	6,700	160
165																15.8	150.7	5,400	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

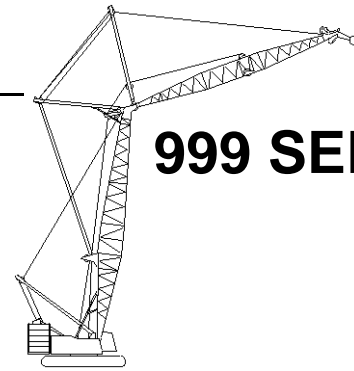
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

120 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
50	74.2	252.1	49,200*																50
55	71.9	250.5	42,900*	73.8	251.6	48,100*													55
60	69.5	248.7	37,700*	71.5	249.9	42,000*													60
65	67.1	246.6	33,300*	69.1	248.0	36,900*													65
70	64.7	244.2	29,600*	66.7	245.9	32,700*	69.7	247.8	38,100*										70
75	62.2	241.6	26,400*	64.3	243.5	29,100*	67.3	245.7	33,700*										75
80	59.6	238.7	23,700*	61.8	240.9	26,000*	64.9	243.4	30,000*	67.9	245.2	34,700*							80
85	57.0	235.5	21,300*	59.2	237.9	23,300*	62.4	240.8	26,800*	65.5	243.0	30,800*							85
90	54.3	232.0	19,100*	56.6	234.7	20,900*	59.8	238.0	24,000*	63.0	240.4	27,500*							90
95	51.5	228.1	17,300*	53.8	231.1	18,900*	57.2	234.8	21,600*	60.4	237.6	24,600*							95
100	48.6	223.7	15,600*	51.0	227.1	17,000*	54.5	231.3	19,400*	57.8	234.5	22,100*							100
105	45.5	218.9	14,100*	48.1	222.7	15,400*	51.7	227.4	17,500*	55.2	231.1	19,900*	60.5	235.3	24,700*				105
110	42.2	213.5	12,700*	45.0	217.8	13,900*	48.8	223.1	15,800*	52.4	227.3	18,000*	57.9	232.2	22,200*				110
115	38.8	207.5	11,500*	41.7	212.3	12,500*	45.7	218.3	14,300*	49.5	223.1	16,200*	55.3	228.8	20,000*				115
120	35.0	200.6	10,200*	38.2	206.1	11,300*	42.5	213.0	12,900*	46.5	218.5	14,700*	52.5	225.0	18,100*	57.9	228.8	21,100	120
125	30.8	192.6	9,000*	34.3	199.1	10,200*	39.1	207.0	11,700*	43.3	213.3	13,300*	49.6	220.8	16,300*	55.2	225.4	18,800	125
130	26.0	183.0	8,000*	30.1	190.8	9,000*	35.3	200.2	10,500*	39.9	207.5	12,000*	46.6	216.2	14,800*	52.5	221.6	16,700	130
135	20.2	170.7	7,000*	25.2	180.9	7,900*	31.2	192.3	9,500*	36.3	200.9	10,800*	43.4	211.0	13,400*	49.6	217.4	14,800	135
140				19.0	168.0	6,900*	26.5	182.9	8,400*	32.2	193.3	9,800*	40.0	205.2	12,100*	46.6	212.8	13,000	140
145							20.7	170.9	7,300*	27.7	184.2	8,800*	36.4	198.7	10,900*	43.4	207.6	11,300	145
150							12.6	153.1	4,300*	22.2	173.0	7,800*	32.4	191.1	9,900*	40.0	201.8	9,700	150
155										14.9	157.3	5,700*	27.8	182.1	8,900*	36.3	195.2	8,300	155
160													22.5	171.0	7,800*	32.3	187.6	6,900	160
165													15.3	155.6	5,700*	27.8	178.7	5,600	165
170																22.4	167.5	4,400	170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

130 Ft. Boom, 70 Ft. Jib

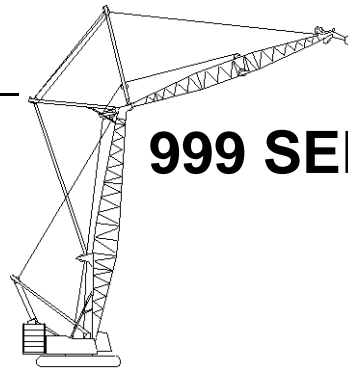
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.3	171.0	40,700*b																35
40	50.1	167.0	31,300*	58.5	170.3	39,800*b													40
45	39.2	161.4	25,100*	49.2	166.3	30,800*													45
50	24.0	152.2	20,600*	38.0	160.4	24,700*	52.6	167.1	33,800*										50
55				22.0	150.6	20,300*	42.2	162.0	26,800*	55.8	167.3	37,200*b							55
60							28.7	154.1	21,900*	46.0	162.8	29,100*							60
65										34.0	156.2	23,500*	57.6	165.5	39,800*b				65
70													48.2	161.2	30,800*				70
75													36.8	155.1	24,800*				75
80													19.7	144.5	20,300*	49.7	158.4	32,200*	80
85																38.7	152.6	25,800*	85
90																23.2	143.2	21,100*	90

130 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.3	171.0	34,100*																35
40	50.1	167.0	26,100*	58.5	170.3	33,300*													40
45	39.2	161.4	20,800*	49.2	166.3	25,600*	61.5	170.7	37,400*b										45
50	24.0	152.2	16,900*	38.0	160.4	20,400*	52.6	167.1	28,200*	64.4	170.6	42,300*b							50
55				22.0	150.6	16,600*	42.2	162.0	22,200*	55.8	167.3	31,100*							55
60							28.7	154.1	17,900*	46.0	162.8	24,100*							60
65										34.0	156.2	19,400*	57.6	165.5	33,300*				65
70													48.2	161.2	25,600*				70
75													36.8	155.1	20,400*				75
80													19.7	144.5	16,600*	49.7	158.4	26,800*	80
85																38.7	152.6	21,200*	85
90																23.2	143.2	17,200*	90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

130 Ft. Boom, 90 Ft. Jib

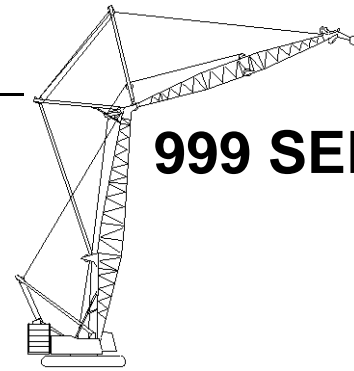
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.3	171.0	30,100*																35
40	50.1	167.0	22,900*	58.5	170.3	29,400*													40
45	39.2	161.4	18,100*	49.2	166.3	22,500*	61.5	170.7	33,100*										45
50	24.0	152.2	14,600*	38.0	160.4	17,800*	52.6	167.1	24,800*	64.4	170.6	37,400*							50
55				22.0	150.6	14,300*	42.2	162.0	19,400*	55.8	167.3	27,300*							55
60							28.7	154.1	15,600*	46.0	162.8	21,100*							60
65										34.0	156.2	16,800*	57.6	165.5	29,300*				65
70													48.2	161.2	22,400*				70
75													36.8	155.1	17,800*				75
80													19.7	144.5	14,300*	49.7	158.4	23,500*	80
85																38.7	152.6	18,500*	85
90																23.2	143.2	14,900*	90

130 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	66.1	182.5	43,600*																35
40	59.5	179.6	33,300*	65.5	181.9	42,700*													40
45	52.3	175.9	26,400*	58.8	179.0	32,700*	67.8	182.0	48,000*										45
50	44.2	171.1	21,600*	51.6	175.2	26,000*	61.2	179.4	36,000*										50
55	34.6	164.4	17,900*	43.4	170.2	21,300*	54.2	175.9	28,300*	63.5	179.2	39,700*							55
60	21.1	153.9	15,000*	33.6	163.3	17,700*	46.4	171.4	22,900*	56.7	176.1	30,800*							60
65				19.3	152.1	14,800*	37.3	165.3	18,900*	49.2	171.9	24,700*							65
70							25.3	156.2	15,800*	40.6	166.5	20,300*	58.1	174.1	32,600*				70
75										30.0	158.7	16,900*	50.8	170.2	26,000*				75
80													42.5	165.1	21,300*				80
85													32.4	158.0	17,700*	52.0	167.3	27,100*	85
90													17.3	145.8	14,800*	43.9	162.4	22,100*	90
95																34.2	155.6	18,300*	95
100																20.4	144.8	15,400*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

130 Ft. Boom, 110 Ft. Jib

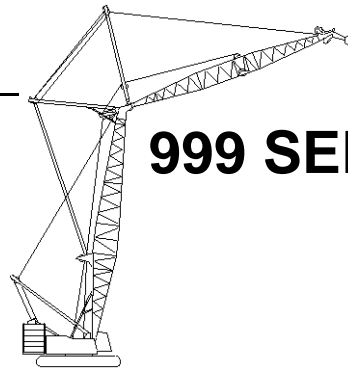
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	67.6	173.8	39,300*b																30
35	59.3	171.0	28,200*	66.9	173.3	38,100*													35
40	50.1	167.0	21,600*	58.5	170.3	27,500*	69.7	173.3	44,100*										40
45	39.2	161.4	17,100*	49.2	166.3	21,100*	61.5	170.7	30,700*										45
50	24.0	152.2	13,900*	38.0	160.4	16,800*	52.6	167.1	23,100*	64.4	170.6	34,600*							50
55				22.0	150.6	13,700*	42.2	162.0	18,300*	55.8	167.3	25,500*							55
60							28.7	154.1	14,800*	46.0	162.8	19,800*							60
65										34.0	156.2	15,900*	57.6	165.5	27,200*				65
70													48.2	161.2	21,000*				70
75													36.8	155.1	16,800*				75
80													19.7	144.5	13,700*	49.7	158.4	21,900*	80
85																38.7	152.6	17,400*	85
90																23.2	143.2	14,100*	90

130 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	72.4	184.6	54,800*b																30
35	66.1	182.5	39,100*	71.8	184.1	53,200*													35
40	59.5	179.6	29,800*	65.5	181.9	38,200*													40
45	52.3	175.9	23,600*	58.8	179.0	29,200*	67.8	182.0	42,800*										45
50	44.2	171.1	19,300*	51.6	175.2	23,300*	61.2	179.4	32,100*										50
55	34.6	164.4	16,000*	43.4	170.2	19,000*	54.2	175.9	25,200*	63.5	179.2	35,400*							55
60	21.1	153.9	13,400*	33.6	163.3	15,800*	46.4	171.4	20,400*	56.7	176.1	27,400*							60
65				19.3	152.1	13,200*	37.3	165.3	16,900*	49.2	171.9	22,000*							65
70							25.3	156.2	14,100*	40.6	166.5	18,100*	58.1	174.1	29,000*				70
75										30.0	158.7	15,100*	50.8	170.2	23,200*				75
80													42.5	165.1	18,900*				80
85													32.4	158.0	15,800*	52.0	167.3	24,100*	85
90													17.3	145.8	13,200*	43.9	162.4	19,600*	90
95																34.2	155.6	16,300*	95
100																20.4	144.8	13,700*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

130 Ft. Boom, 130 Ft. Jib

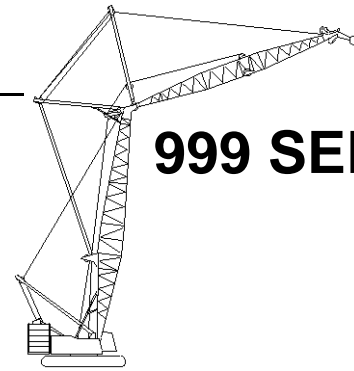
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	75.4	195.2	59,000*																30
35	70.4	193.4	49,600*																35
40	65.1	191.2	37,800*	69.9	192.9	48,400*													40
45	59.6	188.3	30,100*	64.6	190.6	37,100*													45
50	53.7	184.7	24,600*	59.0	187.7	29,600*	66.5	190.7	40,700*										50
55	47.2	180.3	20,500*	53.1	184.1	24,300*	61.0	188.0	32,100*										55
60	40.0	174.7	17,300*	46.6	179.5	20,200*	55.2	184.7	26,100*	62.9	187.9	34,800*							60
65	31.3	167.1	14,800*	39.2	173.7	17,100*	49.0	180.5	21,700*	57.2	184.8	28,100*							65
70	19.0	155.4	12,700*	30.4	166.0	14,600*	42.0	175.2	18,200*	51.2	180.9	23,200*							70
75				17.4	153.5	12,600*	33.7	168.3	15,500*	44.5	176.0	19,400*	58.4	182.8	29,500*				75
80							22.9	158.1	13,300*	36.7	169.7	16,500*	52.5	179.1	24,200*				80
85										27.1	161.0	14,100*	45.9	174.5	20,300*				85
90													38.4	168.5	17,200*	53.4	176.1	25,100*	90
95													29.3	160.5	14,700*	46.9	171.6	20,900*	95
100													15.5	147.0	12,600*	39.7	165.9	17,700*	100
105																30.9	158.3	15,100*	105
110																18.3	146.3	13,000*	110

130 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	73.3	204.1	59,000*																35
40	68.9	202.2	49,400*	72.9	203.6	59,000*													40
45	64.4	199.8	39,400*	68.5	201.7	48,500*													45
50	59.6	197.0	32,300*	63.9	199.3	38,700*	70.0	201.6	53,100*										50
55	54.6	193.5	27,000*	59.2	196.4	31,800*	65.5	199.4	42,000*										55
60	49.3	189.4	22,900*	54.1	192.8	26,600*	60.9	196.7	34,200*	67.1	199.1	45,500*							60
65	43.4	184.3	19,600*	48.7	188.6	22,600*	55.9	193.4	28,500*	62.5	196.5	36,800*							65
70	36.8	178.0	16,900*	42.8	183.4	19,400*	50.7	189.4	24,100*	57.7	193.5	30,400*							70
75	28.8	169.6	14,700*	36.1	177.0	16,800*	45.0	184.6	20,600*	52.5	189.7	25,600*							75
80	17.5	156.8	12,900*	27.9	168.4	14,600*	38.6	178.6	17,800*	47.0	185.2	21,900*	58.7	191.5	31,800*				80
85				16.0	154.8	12,800*	31.0	171.0	15,400*	40.9	179.7	18,800*	53.6	187.9	26,700*				85
90							21.0	159.9	13,500*	33.8	172.7	16,300*	48.2	183.6	22,800*				90
95										24.9	163.2	14,200*	42.2	178.3	19,600*	54.4	184.9	27,600*	95
100													35.4	171.7	16,900*	49.0	180.7	23,500*	100
105													27.0	162.8	14,700*	43.1	175.6	20,200*	105
110													14.2	148.1	12,900*	36.5	169.2	17,400*	110
115																28.4	160.8	15,200*	115
120																16.8	147.6	13,200*	120



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

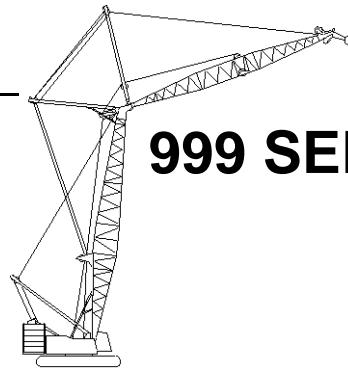
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

130 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.5	214.5	59,000*																35
40	71.7	212.9	59,000*																40
45	67.8	210.9	47,700*	71.3	212.4	58,400*													45
50	63.8	208.5	39,300*	67.4	210.4	47,000*													50
55	59.7	205.6	33,000*	63.4	207.9	38,800*	68.8	210.4	50,700*										55
60	55.3	202.3	28,200*	59.3	205.0	32,700*	64.9	208.1	41,600*										60
65	50.7	198.3	24,300*	54.9	201.6	27,900*	60.8	205.3	34,900*	66.2	207.8	44,600*							65
70	45.8	193.6	21,100*	50.3	197.6	24,100*	56.5	202.1	29,700*	62.2	205.2	37,100*							70
75	40.4	187.9	18,500*	45.3	192.8	21,000*	51.9	198.3	25,600*	58.0	202.1	31,500*							75
80	34.2	181.0	16,300*	39.8	187.0	18,400*	47.1	193.8	22,200*	53.5	198.5	27,000*	63.0	203.1	38,700*				80
85	26.8	171.9	14,500*	33.6	179.9	16,200*	41.8	188.4	19,400*	48.8	194.3	23,400*	58.8	200.2	32,800*				85
90	16.2	158.2	12,900*	26.0	170.6	14,400*	35.9	181.8	17,100*	43.7	189.2	20,500*	54.5	196.7	28,100*				90
95				14.8	155.9	12,800*	28.9	173.5	15,100*	38.0	183.1	18,000*	49.8	192.6	24,300*				95
100							19.5	161.5	13,400*	31.4	175.5	15,900*	44.8	187.7	21,300*	55.1	193.7	28,900*	100
105										23.1	165.1	14,100*	39.2	181.8	18,700*	50.5	189.6	25,000*	105
110													32.9	174.6	16,500*	45.6	184.9	21,900*	110
115													25.1	165.0	14,600*	40.1	179.2	19,200*	115
120													13.1	149.2	13,000*	33.9	172.2	17,000*	120
125																26.4	163.0	15,000*	125
130																15.6	148.9	13,300*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

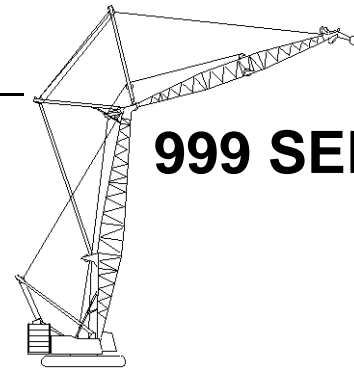
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With The Intent To Be In
The Scope of ANSI B30.5**

130 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*																40
45	70.4	221.7	59,000*	73.5	223.0	59,000*													45
50	67.0	219.6	49,700*	70.1	221.2	58,800*													50
55	63.4	217.2	42,500*	66.6	219.1	49,400*													55
60	59.7	214.3	36,500*	63.0	216.6	42,200*	67.9	219.1	52,900*										60
65	55.9	211.0	31,600*	59.3	213.7	36,200*	64.3	216.7	44,900*										65
70	51.8	207.1	27,600*	55.5	210.3	31,400*	60.7	214.0	38,400*	65.5	216.5	47,700*							70
75	47.6	202.7	24,300*	51.4	206.4	27,400*	56.9	210.8	33,200*	61.9	213.9	40,700*							75
80	42.9	197.5	21,500*	47.1	201.9	24,200*	52.9	207.1	29,000*	58.2	210.8	35,100*							80
85	37.9	191.3	19,100*	42.5	196.6	21,400*	48.7	202.8	25,500*	54.3	207.3	30,600*	62.7	211.8	42,200*				85
90	32.1	183.8	17,000*	37.4	190.4	19,000*	44.2	197.8	22,500*	50.2	203.2	26,800*	59.0	208.8	36,400*				90
95	25.1	174.1	15,300*	31.5	182.7	17,000*	39.2	191.9	20,000*	45.8	198.5	23,700*	55.1	205.4	31,700*				95
100	15.2	159.4	13,700*	24.4	172.7	15,200*	33.7	184.8	17,900*	41.0	193.0	21,000*	51.0	201.5	27,800*				100
105				13.8	157.1	13,700*	27.1	175.8	16,000*	35.7	186.3	18,800*	46.7	196.9	24,600*	55.7	202.4	32,500*	105
110							18.3	163.0	14,300*	29.5	178.1	16,800*	42.0	191.5	21,800*	51.7	198.5	28,600*	110
115										21.7	167.0	15,000*	36.8	185.1	19,500*	47.4	194.0	25,200*	115
120													30.9	177.3	17,400*	42.7	188.8	22,400*	120
125													23.5	167.0	15,600*	37.6	182.6	20,000*	125
130													12.3	150.1	14,000*	31.8	175.0	17,900*	130
135																24.8	165.2	16,000*	135
140																14.6	150.1	14,400*	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

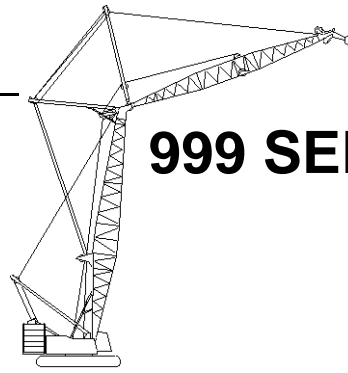
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130 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.5	214.5	59,000*																35
40	71.7	212.9	55,000*																40
45	67.8	210.9	44,100*	71.3	212.4	53,900*													45
50	63.8	208.5	36,300*	67.4	210.4	43,400*													50
55	59.7	205.6	30,500*	63.4	207.9	35,800*	68.8	210.4	46,900*										55
60	55.3	202.3	26,000*	59.3	205.0	30,200*	64.9	208.1	38,400*										60
65	50.7	198.3	22,400*	54.9	201.6	25,800*	60.8	205.3	32,200*	66.2	207.8	41,200*							65
70	45.8	193.6	19,500*	50.3	197.6	22,200*	56.5	202.1	27,400*	62.2	205.2	34,300*							70
75	40.4	187.9	17,000*	45.3	192.8	19,300*	51.9	198.3	23,600*	58.0	202.1	29,100*							75
80	34.2	181.0	15,000*	39.8	187.0	17,000*	47.1	193.8	20,500*	53.5	198.5	25,000*	63.0	203.1	35,800*				80
85	26.8	171.9	13,300*	33.6	179.9	14,900*	41.8	188.4	17,900*	48.8	194.3	21,600*	58.8	200.2	30,300*				85
90	16.2	158.2	11,800*	26.0	170.6	13,200*	35.9	181.8	15,800*	43.7	189.2	18,900*	54.5	196.7	26,000*				90
95				14.8	155.9	11,700*	28.9	173.5	13,900*	38.0	183.1	16,600*	49.8	192.6	22,500*				95
100							19.5	161.5	12,300*	31.4	175.5	14,600*	44.8	187.7	19,600*	55.1	193.7	26,700*	100
105										23.1	165.1	13,000*	39.2	181.8	17,200*	50.5	189.6	23,100*	105
110													32.9	174.6	15,200*	45.6	184.9	20,200*	110
115													25.1	165.0	13,500*	40.1	179.2	17,700*	115
120													13.1	149.2	12,000*	33.9	172.2	15,600*	120
125																26.4	163.0	13,900*	125
130																15.6	148.9	12,300*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

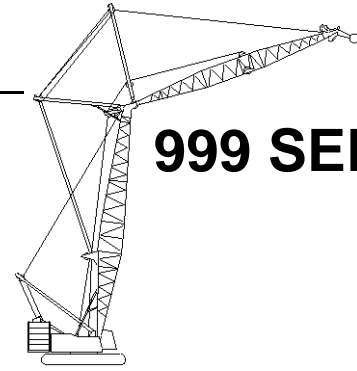
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

130 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*																40
45	70.4	221.7	56,000*	73.5	223.0	59,000*													45
50	67.0	219.6	46,300*	70.1	221.2	55,100*													50
55	63.4	217.2	39,000*	66.6	219.1	45,700*													55
60	59.7	214.3	33,400*	63.0	216.6	38,600*	67.9	219.1	48,900*										60
65	55.9	211.0	28,800*	59.3	213.7	33,100*	64.3	216.7	41,100*										65
70	51.8	207.1	25,200*	55.5	210.3	28,700*	60.7	214.0	35,100*	65.5	216.5	43,700*							70
75	47.6	202.7	22,100*	51.4	206.4	25,000*	56.9	210.8	30,400*	61.9	213.9	37,200*							75
80	42.9	197.5	19,500*	47.1	201.9	22,000*	52.9	207.1	26,500*	58.2	210.8	32,100*							80
85	37.9	191.3	17,300*	42.5	196.6	19,500*	48.7	202.8	23,300*	54.3	207.3	27,900*	62.7	211.8	38,600*				85
90	32.1	183.8	15,500*	37.4	190.4	17,300*	44.2	197.8	20,600*	50.2	203.2	24,500*	59.0	208.8	33,300*				90
95	25.1	174.1	13,800*	31.5	182.7	15,400*	39.2	191.9	18,200*	45.8	198.5	21,600*	55.1	205.4	29,000*				95
100	15.2	159.4	12,400*	24.4	172.7	13,800*	33.7	184.8	16,300*	41.0	193.0	19,200*	51.0	201.5	25,400*				100
105				13.8	157.1	12,400*	27.1	175.8	14,500*	35.7	186.3	17,100*	46.7	196.9	22,500*	55.7	202.4	29,800*	105
110							18.3	163.0	13,000*	29.5	178.1	15,200*	42.0	191.5	19,900*	51.7	198.5	26,100*	110
115										21.7	167.0	13,700*	36.8	185.1	17,700*	47.4	194.0	23,100*	115
120													30.9	177.3	15,800*	42.7	188.8	20,500*	120
125													23.5	167.0	14,200*	37.6	182.6	18,300*	125
130													12.3	150.1	12,700*	31.8	175.0	16,300*	130
135																24.8	165.2	14,600*	135
140																14.6	150.1	13,100*	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

130 Ft. Boom, 190 Ft. Jib

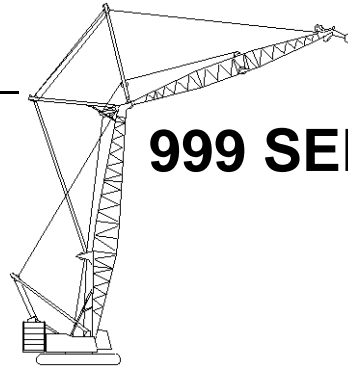
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.5	214.5	59,000*																35
40	71.7	212.9	50,900*																40
45	67.8	210.9	40,800*	71.3	212.4	49,900*													45
50	63.8	208.5	33,600*	67.4	210.4	40,200*													50
55	59.7	205.6	28,200*	63.4	207.9	33,200*	68.8	210.4	43,400*										55
60	55.3	202.3	24,000*	59.3	205.0	27,900*	64.9	208.1	35,600*										60
65	50.7	198.3	20,700*	54.9	201.6	23,800*	60.8	205.3	29,800*	66.2	207.8	38,200*							65
70	45.8	193.6	17,900*	50.3	197.6	20,500*	56.5	202.1	25,300*	62.2	205.2	31,800*							70
75	40.4	187.9	15,700*	45.3	192.8	17,800*	51.9	198.3	21,800*	58.0	202.1	26,900*							75
80	34.2	181.0	13,800*	39.8	187.0	15,600*	47.1	193.8	18,900*	53.5	198.5	23,100*	63.0	203.1	33,200*				80
85	26.8	171.9	12,200*	33.6	179.9	13,700*	41.8	188.4	16,500*	48.8	194.3	20,000*	58.8	200.2	28,000*				85
90	16.2	158.2	10,800*	26.0	170.6	12,100*	35.9	181.8	14,500*	43.7	189.2	17,400*	54.5	196.7	24,000*				90
95				14.8	155.9	10,800*	28.9	173.5	12,800*	38.0	183.1	15,300*	49.8	192.6	20,800*				95
100							19.5	161.5	11,300*	31.4	175.5	13,500*	44.8	187.7	18,100*	55.1	193.7	24,700*	100
105										23.1	165.1	11,900*	39.2	181.8	15,900*	50.5	189.6	21,400*	105
110													32.9	174.6	14,000*	45.6	184.9	18,700*	110
115													25.1	165.0	12,400*	40.1	179.2	16,400*	115
120													13.1	149.2	11,000*	33.9	172.2	14,400*	120
125																26.4	163.0	12,800*	125
130																15.6	148.9	11,300*	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



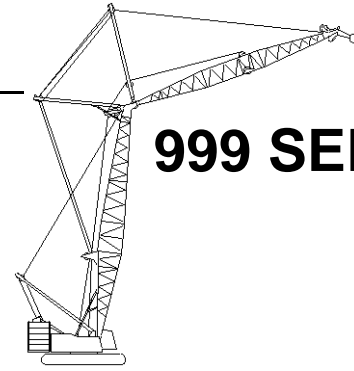
999 SERIES 3

130 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*																40
45	70.4	221.7	51,500*	73.5	223.0	59,000*													45
50	67.0	219.6	42,600*	70.1	221.2	50,700*													50
55	63.4	217.2	35,900*	66.6	219.1	42,000*													55
60	59.7	214.3	30,700*	63.0	216.6	35,500*	67.9	219.1	45,000*										60
65	55.9	211.0	26,500*	59.3	213.7	30,400*	64.3	216.7	37,900*										65
70	51.8	207.1	23,100*	55.5	210.3	26,300*	60.7	214.0	32,300*	65.5	216.5	40,300*							70
75	47.6	202.7	20,300*	51.4	206.4	23,000*	56.9	210.8	27,900*	61.9	213.9	34,300*							75
80	42.9	197.5	17,900*	47.1	201.9	20,200*	52.9	207.1	24,300*	58.2	210.8	29,500*							80
85	37.9	191.3	15,800*	42.5	196.6	17,800*	48.7	202.8	21,400*	54.3	207.3	25,700*	62.7	211.8	35,600*				85
90	32.1	183.8	14,100*	37.4	190.4	15,800*	44.2	197.8	18,800*	50.2	203.2	22,500*	59.0	208.8	30,700*				90
95	25.1	174.1	12,600*	31.5	182.7	14,100*	39.2	191.9	16,700*	45.8	198.5	19,900*	55.1	205.4	26,700*				95
100	15.2	159.4	11,300*	24.4	172.7	12,600*	33.7	184.8	14,900*	41.0	193.0	17,600*	51.0	201.5	23,400*				100
105				13.8	157.1	11,300*	27.1	175.8	13,300*	35.7	186.3	15,600*	46.7	196.9	20,600*	55.7	202.4	27,400*	105
110							18.3	163.0	11,900*	29.5	178.1	14,000*	42.0	191.5	18,300*	51.7	198.5	24,100*	110
115										21.7	167.0	12,500*	36.8	185.1	16,300*	47.4	194.0	21,200*	115
120													30.9	177.3	14,500*	42.7	188.8	18,800*	120
125													23.5	167.0	13,000*	37.6	182.6	16,800*	125
130													12.3	150.1	11,700*	31.8	175.0	14,900	130
135																24.8	165.2	12,800	135
140																14.6	150.1	10,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

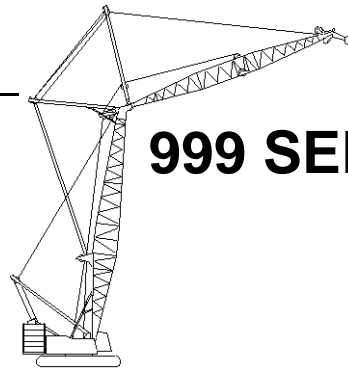
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

130 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.5	233.9	59,000*																40
45	72.5	232.3	57,200*																45
50	69.4	230.5	49,100*	72.2	231.9	56,400*													50
55	66.3	228.3	42,000*	69.1	230.0	48,500*													55
60	63.0	225.8	36,000*	66.0	227.8	41,600*	70.2	229.9	51,100*										60
65	59.7	223.0	31,200*	62.7	225.3	35,800*	67.1	227.8	44,200*										65
70	56.3	219.7	27,300*	59.4	222.4	31,100*	63.9	225.4	37,900*										70
75	52.7	216.0	24,100*	56.0	219.0	27,200*	60.6	222.7	32,900*	65.0	225.2	40,100*							75
80	48.9	211.7	21,300*	52.4	215.3	24,000*	57.2	219.5	28,800*	61.7	222.5	34,700*							80
85	44.9	206.8	19,000*	48.6	211.0	21,300*	53.7	215.9	25,400*	58.4	219.5	30,300*							85
90	40.6	201.2	16,900*	44.5	206.0	19,000*	49.9	211.8	22,500*	54.9	216.0	26,700*	62.4	220.4	35,900*				90
95	35.8	194.5	15,200*	40.1	200.3	17,000*	46.0	207.1	20,000*	51.2	212.1	23,700*	59.1	217.5	31,400*				95
100	30.3	186.5	13,600*	35.3	193.5	15,200*	41.7	201.6	17,900*	47.4	207.6	21,100*	55.6	214.1	27,700*				100
105	23.7	176.1	12,300*	29.8	185.3	13,700*	37.1	195.3	16,000*	43.2	202.5	18,800*	52.0	210.3	24,500*				105
110	14.3	160.6	11,200*	23.0	174.7	12,300*	31.8	187.6	14,400*	38.7	196.4	16,900*	48.2	206.0	21,900*	56.2	211.1	25,400	110
115				13.1	158.1	11,200*	25.6	178.0	13,000*	33.7	189.3	15,100*	44.1	200.9	19,600*	52.6	207.3	22,600	115
120							17.3	164.4	11,700*	27.9	180.5	13,600*	39.7	195.1	17,500*	48.8	203.1	20,100	120
125										20.5	168.7	12,300*	34.8	188.2	15,800*	44.7	198.1	17,700	125
130													29.2	179.8	14,200*	40.4	192.5	15,500	130
135													22.2	168.9	12,800*	35.6	185.8	13,500	135
140													11.6	151.1	11,600*	30.1	177.6	11,700	140
145																23.4	167.2	9,900	145
150																13.8	151.2	8,100	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

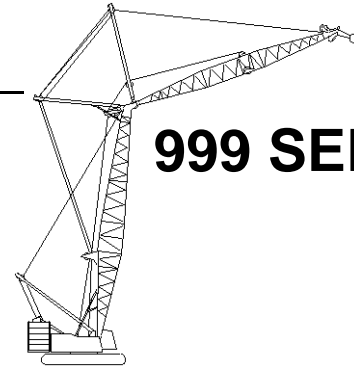
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

130 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.1	242.8	55,600*																45
50	71.4	241.2	47,500*	73.9	242.4	54,800*													50
55	68.6	239.2	41,100*	71.1	240.7	46,900*													55
60	65.7	237.0	35,900*	68.3	238.7	40,600*													60
65	62.8	234.5	31,700*	65.4	236.5	35,500*	69.3	238.7	42,700*										65
70	59.8	231.6	28,100*	62.5	233.9	31,300*	66.4	236.5	37,300*										70
75	56.6	228.4	24,800*	59.5	231.0	27,800*	63.5	234.1	32,800*	67.4	236.2	39,000*							75
80	53.4	224.7	21,800*	56.3	227.7	24,800*	60.5	231.3	29,000*	64.5	233.8	34,200*							80
85	50.0	220.6	19,200*	53.1	224.1	21,800*	57.5	228.2	25,900*	61.6	231.2	30,300*							85
90	46.5	216.0	17,000*	49.7	219.9	19,200*	54.3	224.6	23,100*	58.5	228.2	26,900*							90
95	42.7	210.7	15,000*	46.1	215.2	17,000*	50.9	220.7	20,300*	55.4	224.8	24,100*	62.2	229.1	31,000*				95
100	38.6	204.6	13,300*	42.3	209.9	15,100*	47.4	216.2	18,000*	52.1	221.0	21,500*	59.2	226.2	27,600*				100
105	34.0	197.6	11,800*	38.1	203.7	13,400*	43.7	211.1	16,000*	48.6	216.6	19,000*	56.0	222.9	24,700*				105
110	28.8	189.0	10,500*	33.6	196.5	11,900*	39.7	205.2	14,200*	45.0	211.8	16,900*	52.8	219.1	22,100*				110
115	22.6	178.1	9,400*	28.3	187.8	10,600*	35.2	198.4	12,600*	41.1	206.2	15,000*	49.4	214.9	19,800*	56.5	219.8	22,700	115
120	13.6	161.7	8,400*	21.9	176.5	9,400*	30.3	190.3	11,200*	36.8	199.8	13,300*	45.8	210.2	17,600*	53.3	216.1	20,200	120
125				12.4	159.1	8,400*	24.3	180.1	10,000*	32.0	192.1	11,900*	41.9	204.8	15,700*	49.9	212.0	17,800	125
130							16.4	165.8	8,900*	26.5	182.8	10,600*	37.7	198.5	13,900*	46.3	207.3	15,700	130
135										19.5	170.4	9,400*	33.1	191.2	12,400*	42.5	202.0	13,800	135
140													27.7	182.3	11,100*	38.4	195.9	11,900	140
145													21.1	170.7	9,900*	33.8	188.8	10,200	145
150													11.0	151.9	8,800*	28.6	180.2	8,600	150
155																22.3	169.1	7,100	155
160																13.1	152.3	5,600	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

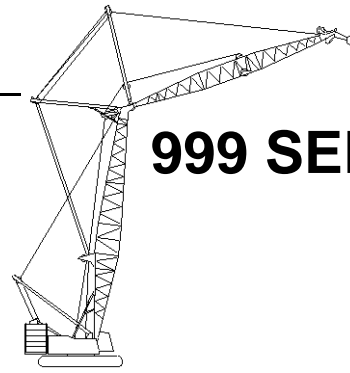
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

130 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.5	253.3	59,000*																45
50	73.0	251.7	51,700*																50
55	70.4	250.0	45,100*	72.7	251.3	51,100*													55
60	67.9	248.0	39,700*	70.2	249.5	44,600*													60
65	65.2	245.7	35,200*	67.6	247.5	39,300*													65
70	62.5	243.2	31,500*	65.0	245.2	34,900*	68.5	247.4	41,100*										70
75	59.8	240.3	28,300*	62.3	242.6	31,200*	65.9	245.2	36,400*										75
80	56.9	237.1	25,500*	59.5	239.7	28,000*	63.2	242.8	32,500*	66.8	244.9	37,900*							80
85	54.0	233.5	22,900*	56.7	236.4	25,300*	60.5	240.0	29,100*	64.2	242.5	33,800*							85
90	50.9	229.5	20,400*	53.7	232.8	22,900*	57.7	236.9	26,300*	61.4	239.8	30,200*							90
95	47.7	225.1	18,200*	50.6	228.8	20,500*	54.8	233.4	23,800*	58.7	236.8	27,200*							95
100	44.3	220.1	16,300*	47.4	224.3	18,300*	51.7	229.5	21,600*	55.8	233.5	24,600*	62.0	237.8	30,900*				100
105	40.7	214.4	14,600*	44.0	219.2	16,400*	48.6	225.2	19,300*	52.8	229.8	22,400*	59.2	234.8	27,800*				105
110	36.8	208.0	13,100*	40.4	213.5	14,700*	45.2	220.3	17,300*	49.7	225.6	20,300*	56.4	231.6	25,100*				110
115	32.5	200.4	11,700*	36.4	207.0	13,200*	41.7	214.9	15,500*	46.4	220.9	18,200*	53.4	227.9	22,800*				115
120	27.5	191.4	10,500*	32.0	199.3	11,800*	37.9	208.6	14,000*	42.9	215.7	16,400*	50.3	223.8	20,800*	56.8	228.5	20,500	120
125	21.5	179.9	9,500*	27.0	190.1	10,600*	33.6	201.4	12,600*	39.2	209.7	14,700*	47.1	219.3	18,900*	53.9	224.9	18,200	125
130	13.0	162.7	6,000*	20.9	178.3	9,600*	28.9	192.8	11,300*	35.1	202.9	13,300*	43.7	214.2	17,100*	50.8	220.9	16,200	130
135				11.8	160.1	5,900*	23.2	182.1	10,200*	30.6	194.8	11,900*	40.0	208.4	15,400*	47.6	216.4	14,200	135
140							15.6	167.1	9,100*	25.3	185.0	10,700*	36.0	201.7	13,900	44.2	211.4	12,400	140
145										18.6	171.9	9,600*	31.6	194.0	12,200	40.6	205.7	10,800	145
150													26.5	184.6	10,500	36.6	199.2	9,200	150
155													20.2	172.4	9,000	32.3	191.6	7,700	155
160													10.5	152.8	7,400	27.3	182.5	6,400	160
165																21.2	170.9	5,000	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

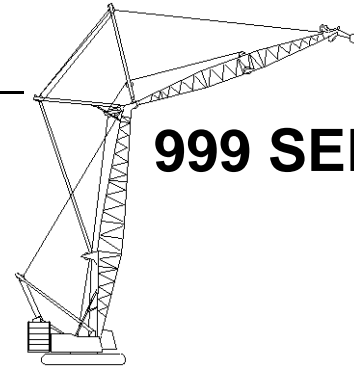
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

130 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.3	262.2	49,600*																50
55	72.0	260.6	43,300*																55
60	69.7	258.8	38,100*	71.8	260.1	42,900*													60
65	67.3	256.7	33,600*	69.4	258.3	37,700*													65
70	64.8	254.4	29,900*	67.0	256.2	33,300*	70.3	258.2	39,400*										70
75	62.3	251.8	26,700*	64.6	253.9	29,600*	67.9	256.2	34,800*										75
80	59.8	248.9	23,900*	62.1	251.2	26,500*	65.5	253.9	30,900*										80
85	57.2	245.8	21,500*	59.6	248.3	23,700*	63.0	251.4	27,600*	66.3	253.6	32,200*							85
90	54.5	242.2	19,300*	56.9	245.1	21,300*	60.5	248.6	24,700*	63.8	251.2	28,700*							90
95	51.7	238.4	17,400*	54.2	241.6	19,200*	57.9	245.5	22,200*	61.3	248.5	25,700*							95
100	48.8	234.1	15,700*	51.4	237.7	17,300*	55.2	242.1	20,000*	58.8	245.5	23,100*							100
105	45.7	229.3	14,200*	48.5	233.3	15,600*	52.4	238.3	18,000*	56.1	242.2	20,800*	61.9	246.4	26,200*				105
110	42.5	223.9	12,800*	45.4	228.5	14,100*	49.5	234.1	16,300*	53.4	238.5	18,700*	59.3	243.5	23,500*				110
115	39.0	217.9	11,500*	42.2	223.1	12,800*	46.5	229.5	14,700*	50.5	234.5	16,900*	56.7	240.3	21,200*				115
120	35.3	211.1	10,200*	38.7	217.0	11,500*	43.3	224.3	13,300*	47.6	230.0	15,300*	53.9	236.7	19,100*				120
125	31.1	203.2	9,000*	34.9	210.1	10,200*	39.9	218.5	12,000*	44.4	225.0	13,800*	51.1	232.7	17,300*	57.1	237.2	18,200	125
130	26.4	193.7	7,900*	30.7	202.1	9,100*	36.3	211.9	10,800*	41.1	219.4	12,500*	48.2	228.3	15,600*	54.4	233.6	16,100	130
135	20.6	181.7	7,000*	25.9	192.4	8,000*	32.2	204.3	9,700*	37.6	213.1	11,300*	45.1	223.4	14,200*	51.6	229.7	14,200	135
140				20.0	180.0	7,000*	27.7	195.3	8,600*	33.7	205.9	10,200*	41.8	218.0	12,800*	48.6	225.4	12,400	140
145							22.3	184.1	7,600*	29.3	197.4	9,200*	38.3	211.8	11,600*	45.6	220.6	10,800	145
150							15.0	168.4	5,900*	24.3	187.1	8,100*	34.5	204.8	10,500*	42.3	215.3	9,200	150
155										17.8	173.4	6,500*	30.3	196.6	9,200	38.9	209.2	7,800	155
160													25.4	186.8	7,800	35.1	202.4	6,500	160
165													19.3	174.0	6,400	30.9	194.4	5,200	165
170													10.0	153.6	4,800*	26.2	184.8	4,000	170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

140 Ft. Boom, 70 Ft. Jib

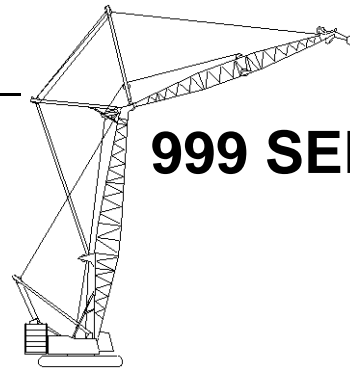
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	50.8	177.3	32,000*																40
45	40.0	171.8	25,600*	50.5	176.9	32,000*													45
50	25.4	163.1	20,900*	39.7	171.3	25,600*	54.9	178.0	36,200*b										50
55				24.9	162.4	20,900*	45.0	173.3	28,400*	58.9	178.4	41,400*b							55
60							32.6	166.4	23,100*	49.6	174.4	31,800*							60
65										38.6	168.7	25,400*							65
70										23.0	159.1	20,800*	53.2	173.3	35,400*				70
75													43.0	168.3	27,900*				75
80													29.8	160.7	22,600*	56.2	170.7	39,100*	80
85																46.5	166.2	30,300*	85
90																34.6	159.7	24,400*	90

140 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	59.9	181.2	35,000*																35
40	50.8	177.3	26,600*	59.7	180.8	35,000*													40
45	40.0	171.8	21,100*	50.5	176.9	26,600*	63.6	181.4	40,900*b										45
50	25.4	163.1	17,200*	39.7	171.3	21,100*	54.9	178.0	30,200*										50
55				24.9	162.4	17,100*	45.0	173.3	23,600*	58.9	178.4	34,600*							55
60							32.6	166.4	19,000*	49.6	174.4	26,400*							60
65										38.6	168.7	21,000*	62.1	176.8	39,600*b				65
70										23.0	159.1	17,000*	53.2	173.3	29,500*				70
75													43.0	168.3	23,100*				75
80													29.8	160.7	18,600*	56.2	170.7	32,600*	80
85																46.5	166.2	25,100*	85
90																34.6	159.7	20,000*	90



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

140 Ft. Boom, 90 Ft. Jib

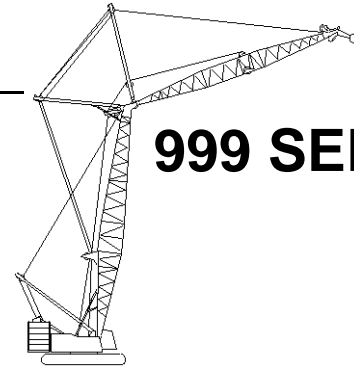
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.9	181.2	30,900*																35
40	50.8	177.3	23,400*	59.7	180.8	30,900*													40
45	40.0	171.8	18,500*	50.5	176.9	23,400*	63.6	181.4	36,200*b										45
50	25.4	163.1	14,900*	39.7	171.3	18,400*	54.9	178.0	26,600*	67.2	181.3	43,200*b							50
55				24.9	162.4	14,800*	45.0	173.3	20,600*	58.9	178.4	30,600*							55
60							32.6	166.4	16,500*	49.6	174.4	23,200*							60
65										38.6	168.7	18,300*	62.1	176.8	35,000*				65
70										23.0	159.1	14,700*	53.2	173.3	25,900*				70
75													43.0	168.3	20,100*				75
80													29.8	160.7	16,100*	56.2	170.7	28,600*	80
85																46.5	166.2	21,900*	85
90																34.6	159.7	17,400*	90

140 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	66.6	192.7	44,900*																35
40	59.9	189.9	34,000*	66.4	192.3	44,900*													40
45	52.8	186.2	26,900*	59.8	189.4	34,000*	69.3	192.5	52,600*b										45
50	44.8	181.4	21,900*	52.6	185.8	26,900*	62.8	190.0	38,700*										50
55	35.4	175.0	18,200*	44.6	181.0	21,900*	56.0	186.8	30,100*	65.8	190.0	44,500*							55
60	22.4	164.9	15,200*	35.1	174.4	18,200*	48.4	182.5	24,200*	59.1	187.1	33,800*							60
65				21.9	164.2	15,200*	39.7	176.9	19,900*	51.9	183.4	26,800*							65
70							28.7	168.8	16,600*	43.8	178.4	21,800*	61.7	185.5	37,700*				70
75										34.0	171.6	18,100*	54.7	182.0	29,400*				75
80										20.2	160.7	15,200*	47.0	177.6	23,800*				80
85													38.0	171.6	19,600*	57.0	179.4	32,100*	85
90													26.3	162.9	16,400*	49.5	175.3	25,600*	90
95																41.0	169.9	21,000*	95
100																30.5	162.3	17,500*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

140 Ft. Boom, 110 Ft. Jib

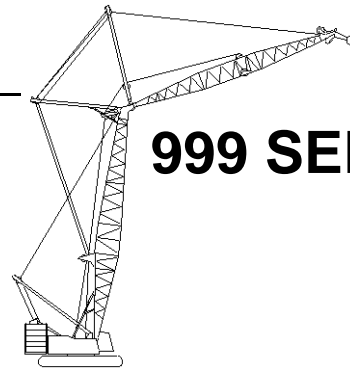
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	68.2	184.0	40,500*b																30
35	59.9	181.2	28,900*	68.0	183.6	40,400*													35
40	50.8	177.3	22,000*	59.7	180.8	28,800*													40
45	40.0	171.8	17,400*	50.5	176.9	21,900*	63.6	181.4	33,500*										45
50	25.4	163.1	14,200*	39.7	171.3	17,400*	54.9	178.0	24,800*	67.2	181.3	39,600*							50
55				24.9	162.4	14,200*	45.0	173.3	19,400*	58.9	178.4	28,300*							55
60							32.6	166.4	15,600*	49.6	174.4	21,700*							60
65										38.6	168.7	17,200*	62.1	176.8	32,200*				65
70										23.0	159.1	14,000*	53.2	173.3	24,100*				70
75													43.0	168.3	18,900*				75
80													29.8	160.7	15,300*	56.2	170.7	26,400*	80
85																46.5	166.2	20,400*	85
90																34.6	159.7	16,400*	90

140 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	72.8	194.8	56,800*b																30
35	66.6	192.7	40,100*	72.7	194.4	56,600*													35
40	59.9	189.9	30,400*	66.4	192.3	40,000*													40
45	52.8	186.2	24,100*	59.8	189.4	30,400*	69.3	192.5	46,700*										45
50	44.8	181.4	19,600*	52.6	185.8	24,000*	62.8	190.0	34,500*										50
55	35.4	175.0	16,200*	44.6	181.0	19,600*	56.0	186.8	26,800*	65.8	190.0	39,400*							55
60	22.4	164.9	13,600*	35.1	174.4	16,200*	48.4	182.5	21,600*	59.1	187.1	30,000*							60
65				21.9	164.2	13,600*	39.7	176.9	17,700*	51.9	183.4	23,800*							65
70							28.7	168.8	14,800*	43.8	178.4	19,400*	61.7	185.5	33,400*				70
75										34.0	171.6	16,100*	54.7	182.0	26,100*				75
80										20.2	160.7	13,500*	47.0	177.6	21,100*				80
85													38.0	171.6	17,400*	57.0	179.4	28,300*	85
90													26.3	162.9	14,500*	49.5	175.3	22,700*	90
95																41.0	169.9	18,600*	95
100																30.5	162.3	15,500*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

140 Ft. Boom, 130 Ft. Jib

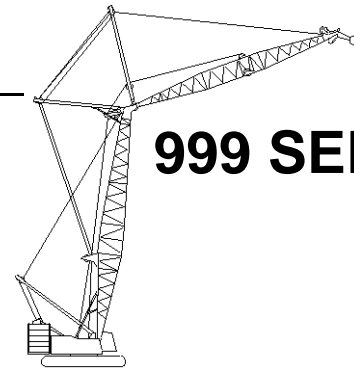
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	75.8	205.3	59,000*																30
35	70.7	203.6	50,900*																35
40	65.5	201.3	38,600*	70.6	203.2	50,800*													40
45	59.9	198.5	30,600*	65.3	200.9	38,600*													45
50	54.1	195.0	25,000*	59.8	198.1	30,600*	67.8	201.2	43,800*										50
55	47.7	190.6	20,800*	53.9	194.6	25,000*	62.4	198.7	34,100*										55
60	40.5	185.1	17,500*	47.5	190.2	20,800*	56.7	195.5	27,500*	64.8	198.7	38,100*							60
65	32.0	177.8	14,900*	40.3	184.6	17,500*	50.5	191.5	22,700*	59.3	195.8	30,300*							65
70	20.2	166.5	12,900*	31.7	177.2	15,000*	43.7	186.5	19,000*	53.3	192.2	24,800*							70
75				19.8	165.8	12,800*	35.9	180.1	16,200*	46.9	187.7	20,700*	61.4	194.1	33,200*				75
80							25.9	171.0	13,800*	39.6	182.0	17,500*	55.6	190.8	26,900*				80
85										30.8	174.3	14,900*	49.4	186.7	22,300*				85
90										18.2	162.2	12,800*	42.5	181.5	18,800*	57.5	188.1	28,900*	90
95													34.3	174.7	16,000*	51.4	184.2	23,800*	95
100													23.7	164.9	13,700*	44.8	179.4	20,000*	100
105																37.1	173.2	16,900*	105
110																27.6	164.6	14,500*	110

140 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	73.6	214.2	59,000*																35
40	69.2	212.3	50,500*	73.5	213.8	59,000*													40
45	64.7	210.0	40,100*	69.1	211.9	50,400*													45
50	60.0	207.2	32,800*	64.6	209.6	40,100*													50
55	55.0	203.8	27,300*	59.8	206.8	32,800*	66.7	209.9	44,500*										55
60	49.6	199.7	23,100*	54.8	203.3	27,400*	62.0	207.3	36,100*										60
65	43.8	194.7	19,800*	49.5	199.2	23,200*	57.2	204.2	29,900*	64.1	207.3	39,700*							65
70	37.3	188.4	17,100*	43.7	194.2	19,900*	52.0	200.4	25,200*	59.4	204.4	32,600*							70
75	29.4	180.3	14,900*	37.1	187.9	17,100*	46.4	195.8	21,400*	54.3	201.0	27,300*							75
80	18.5	168.0	13,000*	29.2	179.7	14,900*	40.2	190.2	18,500*	49.0	196.8	23,200*	61.2	202.8	35,300*				80
85				18.1	167.3	13,000*	33.0	183.0	16,000*	43.1	191.6	19,900*	56.3	199.5	29,400*				85
90							23.8	173.0	13,900*	36.4	185.2	17,200*	51.0	195.6	24,800*				90
95										28.3	176.8	14,900*	45.4	190.8	21,200*	57.9	196.8	31,300*	95
100										16.7	163.5	13,100*	39.0	185.0	18,300*	52.7	193.1	26,300*	100
105													31.6	177.4	15,900*	47.2	188.6	22,500*	105
110													21.8	166.7	13,800*	41.1	183.1	19,300*	110
115																34.1	176.2	16,800*	115
120																25.3	166.8	14,600*	120



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

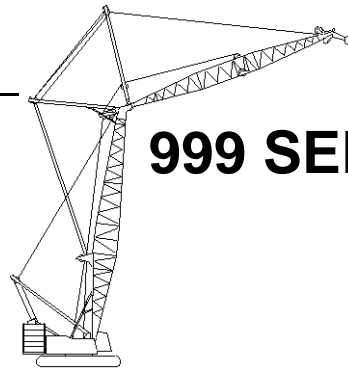
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

140 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*																35
40	71.9	223.0	59,000*																40
45	68.1	221.1	48,600*	71.9	222.6	59,000*													45
50	64.1	218.7	39,900*	68.0	220.7	48,500*													50
55	60.0	215.8	33,500*	64.0	218.3	39,900*	69.8	220.8	53,800*										55
60	55.6	212.5	28,500*	59.9	215.4	33,500*	65.8	218.6	43,800*										60
65	51.1	208.6	24,600*	55.5	212.1	28,600*	61.8	216.0	36,500*	67.6	218.4	48,000*							65
70	46.1	203.9	21,400*	50.9	208.1	24,600*	57.5	212.9	30,900*	63.6	216.0	39,700*							70
75	40.8	198.4	18,700*	46.0	203.5	21,400*	53.1	209.2	26,500*	59.4	213.1	33,400*							75
80	34.7	191.5	16,500*	40.6	197.9	18,800*	48.3	204.9	23,000*	55.1	209.7	28,600*							80
85	27.3	182.7	14,600*	34.5	191.0	16,500*	43.2	199.7	20,100*	50.5	205.7	24,700*	61.0	211.4	35,900*				85
90	17.2	169.4	12,900*	27.1	182.1	14,600*	37.4	193.5	17,700*	45.5	200.9	21,500*	56.8	208.2	30,500*				90
95				16.8	168.7	13,000*	30.7	185.7	15,600*	40.1	195.2	18,900*	52.3	204.4	26,300*				95
100							22.2	174.9	13,800*	33.9	188.2	16,600*	47.4	200.0	22,900*				100
105										26.3	179.0	14,700*	42.2	194.7	20,000*				105
110										15.4	164.8	13,100*	36.3	188.2	17,600*	53.7	201.9	27,800*	110
115													29.4	180.0	15,600*	49.0	197.6	24,100*	115
120													20.3	168.4	13,800*	43.9	192.6	21,100*	120
125																38.3	186.6	18,500*	125
130																31.7	179.0	16,400*	130
																23.5	168.8	14,500*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

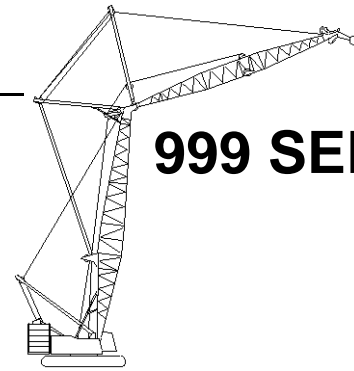
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

140 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*																40
45	70.7	231.8	59,000*	74.0	233.2	59,000*													45
50	67.2	229.8	50,400*	70.6	231.5	59,000*													50
55	63.6	227.3	43,000*	67.1	229.4	50,600*													55
60	60.0	224.5	36,900*	63.6	226.9	43,200*	68.7	229.6	55,400*										60
65	56.1	221.2	31,900*	59.9	224.1	37,000*	65.2	227.3	46,800*										65
70	52.1	217.4	27,800*	56.0	220.8	32,000*	61.6	224.6	40,000*	66.8	227.1	50,800*							70
75	47.9	213.0	24,500*	52.0	217.0	28,000*	57.8	221.5	34,500*	63.2	224.7	43,100*							75
80	43.3	207.9	21,600*	47.8	212.6	24,600*	53.9	218.0	30,000*	59.5	221.8	37,000*							80
85	38.2	201.8	19,200*	43.2	207.4	21,800*	49.7	213.8	26,300*	55.7	218.4	32,100*							85
90	32.5	194.4	17,100*	38.1	201.3	19,300*	45.3	209.0	23,200*	51.6	214.6	28,100*	60.9	220.1	39,400*				90
95	25.7	184.9	15,400*	32.4	193.8	17,200*	40.5	203.4	20,600*	47.3	210.1	24,800*	57.1	216.9	34,200*				95
100	16.1	170.8	13,800*	25.5	184.3	15,400*	35.1	196.6	18,400*	42.7	204.8	22,000*	53.2	213.3	29,900*				100
105				15.8	170.0	13,900*	28.8	188.2	16,400*	37.6	198.6	19,500*	49.0	209.0	26,300*				105
110							20.8	176.6	14,700*	31.8	191.0	17,400*	44.5	204.1	23,300*	54.5	210.6	30,600	110
115										24.7	181.1	15,600*	39.6	198.3	20,700*	50.3	206.6	27,600*	115
120										14.5	166.0	14,000*	34.1	191.2	18,500*	46.0	201.9	24,400*	120
125													27.6	182.4	16,500*	41.2	196.4	21,700*	125
130													19.0	170.0	14,800*	35.9	189.8	19,400*	130
135																29.8	181.6	17,300*	135
140																22.1	170.7	15,500*	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

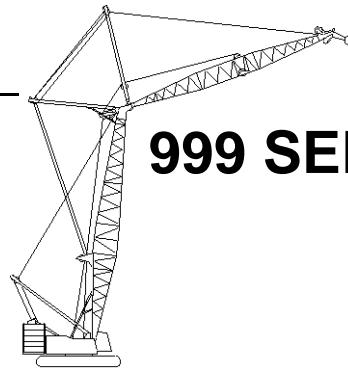
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

140 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*																35
40	71.9	223.0	56,200*																40
45	68.1	221.1	44,900*	71.9	222.6	56,000*													45
50	64.1	218.7	36,900*	68.0	220.7	44,800*													50
55	60.0	215.8	30,900*	64.0	218.3	36,900*	69.8	220.8	49,700*										55
60	55.6	212.5	26,300*	59.9	215.4	31,000*	65.8	218.6	40,500*										60
65	51.1	208.6	22,600*	55.5	212.1	26,400*	61.8	216.0	33,700*	67.6	218.4	44,400*							65
70	46.1	203.9	19,700*	50.9	208.1	22,700*	57.5	212.9	28,600*	63.6	216.0	36,700*							70
75	40.8	198.4	17,200*	46.0	203.5	19,700*	53.1	209.2	24,500*	59.4	213.1	30,900*							75
80	34.7	191.5	15,100*	40.6	197.9	17,300*	48.3	204.9	21,200*	55.1	209.7	26,400*							80
85	27.3	182.7	13,400*	34.5	191.0	15,200*	43.2	199.7	18,500*	50.5	205.7	22,800*	61.0	211.4	33,200*				85
90	17.2	169.4	11,900*	27.1	182.1	13,400*	37.4	193.5	16,300*	45.5	200.9	19,800*	56.8	208.2	28,200*				90
95				16.8	168.7	11,900*	30.7	185.7	14,300*	40.1	195.2	17,400*	52.3	204.4	24,300*				95
100							22.2	174.9	12,700*	33.9	188.2	15,300*	47.4	200.0	21,100*				100
105										26.3	179.0	13,500*	42.2	194.7	18,500*	53.7	201.9	25,700*	105
110										15.4	164.8	12,000*	36.3	188.2	16,300*	49.0	197.6	22,300*	110
115													29.4	180.0	14,400*	43.9	192.6	19,500*	115
120													20.3	168.4	12,700*	38.3	186.6	17,100*	120
125																31.7	179.0	15,100*	125
130																23.5	168.8	13,400*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

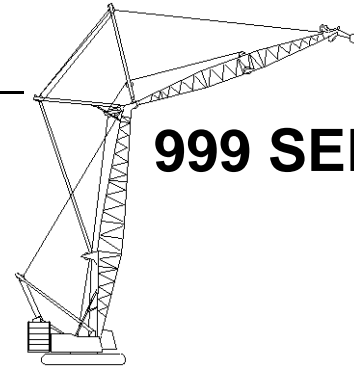
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

140 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*																40
45	70.7	231.8	57,000*	74.0	233.2	59,000*													45
50	67.2	229.8	47,000*	70.6	231.5	56,900*													50
55	63.6	227.3	39,500*	67.1	229.4	47,000*													55
60	60.0	224.5	33,800*	63.6	226.9	39,600*	68.7	229.6	51,300*										60
65	56.1	221.2	29,200*	59.9	224.1	33,900*	65.2	227.3	43,000*										65
70	52.1	217.4	25,400*	56.0	220.8	29,300*	61.6	224.6	36,600*	66.8	227.1	46,600*							70
75	47.9	213.0	22,300*	52.0	217.0	25,500*	57.8	221.5	31,500*	63.2	224.7	39,500*							75
80	43.3	207.9	19,700*	47.8	212.6	22,400*	53.9	218.0	27,400*	59.5	221.8	33,900*							80
85	38.2	201.8	17,500*	43.2	207.4	19,800*	49.7	213.8	24,000*	55.7	218.4	29,400*							85
90	32.5	194.4	15,600*	38.1	201.3	17,600*	45.3	209.0	21,200*	51.6	214.6	25,700*	60.9	220.1	36,100*				90
95	25.7	184.9	13,900*	32.4	193.8	15,700*	40.5	203.4	18,800*	47.3	210.1	22,600*	57.1	216.9	31,300*				95
100	16.1	170.8	12,500*	25.5	184.3	14,000*	35.1	196.6	16,700*	42.7	204.8	20,000*	53.2	213.3	27,300*				100
105				15.8	170.0	12,600*	28.8	188.2	14,900*	37.6	198.6	17,800*	49.0	209.0	24,000*				105
110							20.8	176.6	13,400*	31.8	191.0	15,900*	44.5	204.1	21,300*	54.5	210.6	27,400	110
115										24.7	181.1	14,200*	39.6	198.3	18,900*	50.3	206.6	24,700	115
120										14.5	166.0	12,700*	34.1	191.2	16,800*	46.0	201.9	22,200	120
125													27.6	182.4	15,000*	41.2	196.4	19,800*	125
130													19.0	170.0	13,500*	35.9	189.8	17,700	130
135																29.8	181.6	15,700	135
140																22.1	170.7	13,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

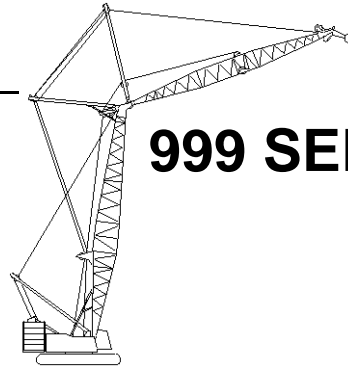
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

140 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*																35
40	71.9	223.0	52,000*																40
45	68.1	221.1	41,500*	71.9	222.6	51,900*													45
50	64.1	218.7	34,100*	68.0	220.7	41,500*													50
55	60.0	215.8	28,600*	64.0	218.3	34,100*	69.8	220.8	46,000*										55
60	55.6	212.5	24,300*	59.9	215.4	28,600*	65.8	218.6	37,500*										60
65	51.1	208.6	20,900*	55.5	212.1	24,400*	61.8	216.0	31,200*	67.6	218.4	41,100*							65
70	46.1	203.9	18,100*	50.9	208.1	21,000*	57.5	212.9	26,400*	63.6	216.0	34,000*							70
75	40.8	198.4	15,800*	46.0	203.5	18,200*	53.1	209.2	22,600*	59.4	213.1	28,600*							75
80	34.7	191.5	13,900*	40.6	197.9	15,900*	48.3	204.9	19,600*	55.1	209.7	24,400*							80
85	27.3	182.7	12,200*	34.5	191.0	14,000*	43.2	199.7	17,100*	50.5	205.7	21,100*	61.0	211.4	30,700*				85
90	17.2	169.4	10,900*	27.1	182.1	12,300*	37.4	193.5	15,000*	45.5	200.9	18,300*	56.8	208.2	26,100*				90
95				16.8	168.7	10,900*	30.7	185.7	13,200*	40.1	195.2	16,000*	52.3	204.4	22,500*				95
100							22.2	174.9	11,700*	33.9	188.2	14,100*	47.4	200.0	19,500*				100
105										26.3	179.0	12,400*	42.2	194.7	17,100*	53.7	201.9	23,800*	105
110										15.4	164.8	11,000*	36.3	188.2	15,000*	49.0	197.6	20,600*	110
115													29.4	180.0	13,200*	43.9	192.6	18,000*	115
120													20.3	168.4	11,700*	38.3	186.6	15,800*	120
125																31.7	179.0	13,900*	125
130																23.5	168.8	12,300*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

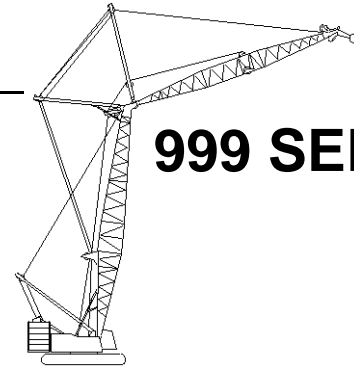
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

140 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*																40
45	70.7	231.8	52,400*	74.0	233.2	59,000*													45
50	67.2	229.8	43,200*	70.6	231.5	52,300*													50
55	63.6	227.3	36,400*	67.1	229.4	43,300*													55
60	60.0	224.5	31,000*	63.6	226.9	36,400*	68.7	229.6	47,300*										60
65	56.1	221.2	26,800*	59.9	224.1	31,100*	65.2	227.3	39,600*										65
70	52.1	217.4	23,300*	56.0	220.8	26,900*	61.6	224.6	33,700*	66.8	227.1	42,900*							70
75	47.9	213.0	20,400*	52.0	217.0	23,400*	57.8	221.5	29,000*	63.2	224.7	36,400*							75
80	43.3	207.9	18,000*	47.8	212.6	20,600*	53.9	218.0	25,200*	59.5	221.8	31,200*							80
85	38.2	201.8	16,000*	43.2	207.4	18,100*	49.7	213.8	22,100*	55.7	218.4	27,000*							85
90	32.5	194.4	14,200*	38.1	201.3	16,100*	45.3	209.0	19,400*	51.6	214.6	23,600*	60.9	220.1	33,300*				90
95	25.7	184.9	12,700*	32.4	193.8	14,300*	40.5	203.4	17,200*	47.3	210.1	20,800*	57.1	216.9	28,800*				95
100	16.1	170.8	11,400*	25.5	184.3	12,800*	35.1	196.6	15,300*	42.7	204.8	18,400*	53.2	213.3	25,100*				100
105				15.8	170.0	11,500*	28.8	188.2	13,600*	37.6	198.6	16,300*	49.0	209.0	22,100*				105
110							20.8	176.6	12,200*	31.8	191.0	14,500*	44.5	204.1	19,500*	54.5	210.6	24,500	110
115										24.7	181.1	13,000*	39.6	198.3	17,300*	50.3	206.6	21,700	115
120										14.5	166.0	11,600*	34.1	191.2	15,400*	46.0	201.9	19,100	120
125													27.6	182.4	13,800*	41.2	196.4	16,700	125
130													19.0	170.0	12,300*	35.9	189.8	14,500	130
135																29.8	181.6	12,500	135
140																22.1	170.7	10,500	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

140 Ft. Boom, 210 Ft. Jib

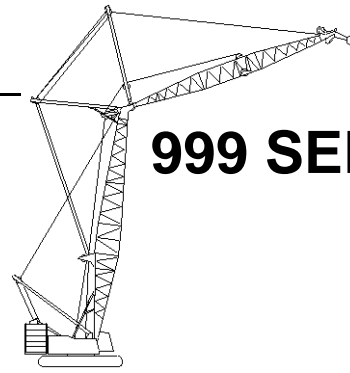
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.7	244.0	59,000*																40
45	72.7	242.4	58,000*																45
50	69.6	240.6	49,700*	72.6	242.1	57,800*													50
55	66.5	238.5	42,600*	69.5	240.2	49,600*													55
60	63.3	236.0	36,500*	66.4	238.1	42,600*	70.9	240.3	53,300*										60
65	60.0	233.2	31,600*	63.2	235.6	36,600*	67.8	238.3	46,000*										65
70	56.5	229.9	27,600*	59.9	232.8	31,700*	64.7	236.0	39,400*										70
75	53.0	226.2	24,300*	56.5	229.5	27,700*	61.4	233.3	34,100*	66.1	235.8	42,400*							75
80	49.2	222.0	21,500*	52.9	225.8	24,400*	58.0	230.2	29,800*	62.9	233.3	36,600*							80
85	45.2	217.2	19,100*	49.1	221.6	21,600*	54.5	226.7	26,200*	59.6	230.4	31,900*							85
90	40.9	211.6	17,000*	45.1	216.7	19,300*	50.9	222.7	23,200*	56.1	227.1	28,000*							90
95	36.1	205.0	15,200*	40.8	211.1	17,200*	47.0	218.2	20,600*	52.5	223.4	24,700*	60.8	228.7	33,800*				95
100	30.8	197.1	13,700*	36.0	204.5	15,400*	42.8	213.0	18,400*	48.7	219.1	22,000*	57.4	225.6	29,600*				100
105	24.3	187.0	12,300*	30.6	196.5	13,800*	38.3	206.8	16,500*	44.7	214.2	19,600*	53.9	222.0	26,200*				105
110	15.2	172.0	11,200*	24.1	186.3	12,500*	33.2	199.6	14,800*	40.3	208.5	17,500*	50.2	217.9	23,300*				110
115				14.9	171.2	11,300*	27.2	190.5	13,300*	35.5	201.8	15,700*	46.2	213.3	20,800*	55.0	219.4	22,100	115
120							19.6	178.3	12,000*	30.0	193.6	14,100*	42.0	207.9	18,600*	51.4	215.4	19,500	120
125										23.3	183.1	12,800*	37.4	201.6	16,700*	47.5	211.0	17,200	125
130										13.6	167.1	11,500*	32.2	194.1	15,000*	43.4	205.8	15,100	130
135													26.1	184.6	13,500*	38.9	199.9	13,100	135
140													17.9	171.5	12,200*	33.9	192.8	11,200	140
145																28.2	184.1	9,500	145
150																20.9	172.4	7,900	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



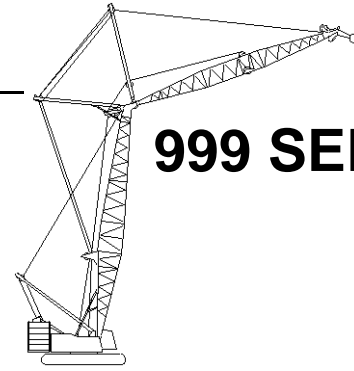
999 SERIES 3

140 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.3	252.9	56,400*																45
50	71.6	251.3	48,100*																50
55	68.8	249.4	41,600*	71.5	250.9	48,000*													55
60	65.9	247.2	36,400*	68.7	249.0	41,500*													60
65	63.0	244.7	32,000*	65.8	246.8	36,300*	70.0	249.1	44,400*										65
70	60.0	241.8	28,400*	62.9	244.3	32,000*	67.1	247.0	38,600*										70
75	56.9	238.6	25,000*	59.9	241.4	28,400*	64.3	244.6	33,900*										75
80	53.6	235.0	22,000*	56.8	238.2	25,200*	61.3	241.9	30,000*	65.6	244.5	35,900*							80
85	50.3	230.9	19,400*	53.6	234.6	22,200*	58.2	238.9	26,700*	62.6	242.0	31,700*							85
90	46.7	226.3	17,100*	50.2	230.5	19,500*	55.1	235.5	23,800*	59.6	239.1	28,200*							90
95	42.9	221.1	15,100*	46.6	225.9	17,300*	51.7	231.6	21,000*	56.5	235.8	25,100*							95
100	38.9	215.1	13,400*	42.8	220.6	15,300*	48.3	227.2	18,600*	53.2	232.2	22,500*	60.7	237.4	29,400*				100
105	34.4	208.1	11,900*	38.7	214.6	13,600*	44.6	222.3	16,500*	49.9	228.0	19,900*	57.7	234.3	26,200*				105
110	29.2	199.7	10,600*	34.2	207.6	12,000*	40.7	216.6	14,600*	46.3	223.4	17,600*	54.5	230.8	23,500*				110
115	23.0	188.9	9,400*	29.1	199.1	10,700*	36.4	210.1	13,000*	42.5	218.1	15,600*	51.1	226.8	21,100*				115
120	14.4	173.2	8,400*	22.9	188.3	9,500*	31.5	202.4	11,500*	38.3	211.9	13,900*	47.6	222.4	18,700*	55.5	228.1	19,600	120
125				14.1	172.3	8,500*	25.9	192.8	10,200*	33.8	204.8	12,400*	43.9	217.3	16,700*	52.2	224.3	17,300	125
130							18.7	179.9	9,100*	28.5	196.1	11,000*	39.9	211.5	14,800*	48.8	220.0	15,200	130
135										22.2	185.0	9,800*	35.5	204.8	13,200*	45.1	215.1	13,300	135
140										12.9	168.1	8,700*	30.6	196.8	11,800*	41.2	209.6	11,500	140
145													24.8	186.8	10,500*	37.0	203.2	9,800	145
150													17.0	172.9	9,300*	32.3	195.6	8,200	150
155																26.8	186.4	6,700	155
160																19.8	174.1	5,300	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

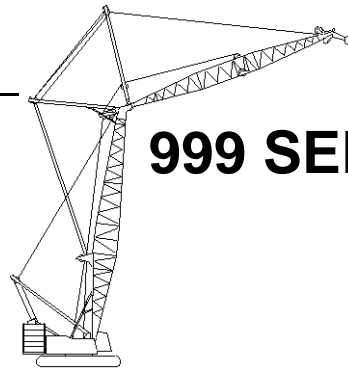
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

140 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.7	263.3	59,000*																45
50	73.2	261.9	52,200*																50
55	70.6	260.1	45,600*	73.1	261.5	52,200*													55
60	68.0	258.1	40,100*	70.6	259.7	45,500*													60
65	65.4	255.9	35,600*	68.0	257.7	40,100*													65
70	62.7	253.3	31,800*	65.4	255.5	35,600*	69.2	257.9	42,500*										70
75	60.0	250.5	28,500*	62.7	252.9	31,800*	66.6	255.7	37,600*										75
80	57.1	247.3	25,700*	59.9	250.1	28,500*	63.9	253.3	33,500*	67.7	255.5	39,700*							80
85	54.2	243.8	23,100*	57.1	246.9	25,700*	61.2	250.6	30,000*	65.1	253.2	35,200*							85
90	51.1	239.8	20,500*	54.1	243.3	23,300*	58.4	247.6	27,000*	62.4	250.7	31,500*							90
95	47.9	235.4	18,300*	51.1	239.4	20,700*	55.5	244.2	24,400*	59.6	247.8	28,300*							95
100	44.6	230.4	16,400*	47.9	234.9	18,500*	52.5	240.4	22,200*	56.8	244.5	25,600*							100
105	41.0	224.8	14,700*	44.5	230.0	16,600*	49.4	236.2	19,800*	53.8	240.9	23,200*	60.7	246.1	29,500*				105
110	37.1	218.4	13,100*	40.9	224.3	14,900*	46.1	231.5	17,800*	50.8	236.9	21,100*	57.9	243.0	26,600*				110
115	32.8	211.0	11,800*	37.0	217.9	13,300*	42.6	226.2	16,000*	47.5	232.5	19,000*	55.0	239.5	24,100*				115
120	27.9	202.1	10,600*	32.7	210.5	12,000*	38.8	220.1	14,300*	44.2	227.4	17,000*	51.9	235.7	21,900				120
125	22.0	190.8	9,500*	27.8	201.5	10,700*	34.7	213.2	12,900*	40.5	221.7	15,300*	48.8	231.4	19,600	55.9	236.8	17,700	125
130	13.7	174.3	5,400*	21.8	190.2	9,700*	30.1	205.0	11,600*	36.6	215.2	13,800*	45.5	226.6	17,400	52.9	233.1	15,600	130
135				13.5	173.4	6,000*	24.7	194.9	10,400*	32.2	207.6	12,400*	41.9	221.1	15,400	49.8	228.9	13,700	135
140							17.8	181.4	9,300*	27.3	198.5	11,100*	38.1	215.0	13,600	46.5	224.3	11,900	140
145										21.2	186.9	10,000*	33.9	207.8	11,800	43.1	219.1	10,300	145
150										12.3	169.1	7,400*	29.2	199.4	10,200	39.4	213.2	8,700	150
155													23.6	188.8	8,700	35.3	206.3	7,300	155
160													16.3	174.3	7,200	30.8	198.4	5,900	160
165																25.6	188.6	4,600	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

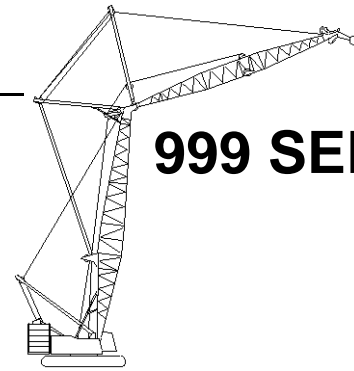
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

140 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.5	272.3	50,100*																50
55	72.2	270.7	43,800*																55
60	69.8	268.9	38,400*	72.1	270.4	43,700*													60
65	67.4	266.9	34,000*	69.8	268.5	38,400*													65
70	65.0	264.6	30,200*	67.4	266.5	34,000*	70.8	268.6	40,700*										70
75	62.5	262.0	27,000*	64.9	264.2	30,200*	68.5	266.6	35,900*										75
80	60.0	259.1	24,100*	62.5	261.6	27,000*	66.1	264.4	31,900*										80
85	57.4	256.0	21,700*	59.9	258.7	24,100*	63.6	262.0	28,400*	67.1	264.2	33,600*							85
90	54.7	252.5	19,500*	57.3	255.6	21,700*	61.1	259.3	25,500*	64.7	261.9	29,900*							90
95	51.9	248.6	17,600*	54.6	252.1	19,500*	58.5	256.2	22,900*	62.2	259.3	26,800*							95
100	49.0	244.4	15,900*	51.8	248.2	17,600*	55.8	252.9	20,600*	59.7	256.4	24,000*							100
105	45.9	239.6	14,400*	48.9	243.9	15,900*	53.1	249.2	18,500*	57.0	253.2	21,600*							105
110	42.7	234.3	13,000*	45.8	239.2	14,400*	50.2	245.1	16,700*	54.3	249.7	19,500*	60.6	254.7	25,000*				110
115	39.3	228.4	11,500*	42.6	233.9	13,000*	47.3	240.6	15,100*	51.5	245.8	17,600*	58.0	251.6	22,500*				115
120	35.5	221.6	10,200*	39.2	227.9	11,700*	44.1	235.5	13,700*	48.6	241.5	15,900*	55.4	248.2	20,300*				120
125	31.4	213.8	9,000*	35.5	221.1	10,400*	40.8	229.9	12,300*	45.5	236.7	14,400*	52.6	244.5	18,300*				125
130	26.8	204.4	7,900*	31.3	213.2	9,200*	37.2	223.5	11,200*	42.3	231.3	13,000*	49.7	240.3	16,500*	56.2	245.5	15,500	130
135	21.1	192.6	7,000*	26.6	203.8	8,100*	33.3	216.2	10,000*	38.8	225.2	11,700*	46.7	235.7	15,000*	53.5	241.8	13,600	135
140				20.9	192.0	7,100*	28.9	207.5	8,800*	35.1	218.4	10,600*	43.5	230.5	13,500*	50.6	237.8	11,900	140
145							23.7	197.0	7,800*	30.9	210.4	9,600*	40.2	224.8	12,000	47.7	233.3	10,200	145
150							17.1	182.8	6,300*	26.1	200.8	8,400*	36.5	218.2	10,400	44.6	228.4	8,700	150
155										20.3	188.6	7,400*	32.5	210.7	8,900	41.3	222.8	7,300	155
160													28.0	201.8	7,500	37.7	216.5	6,000	160
165													22.7	190.8	6,200	33.8	209.4	4,800	165
170													15.6	175.6	4,900				170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 70 Ft. Jib

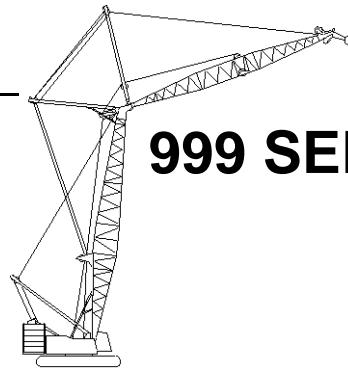
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	51.5	187.6	32,700*																40
45	40.9	182.3	26,000*	51.9	187.5	33,300*													45
50	26.7	173.9	21,300*	41.4	182.2	26,500*	57.1	188.9	39,100*b										50
55				27.5	174.0	21,600*	47.5	184.5	30,300*										55
60							36.0	178.3	24,400*	52.9	185.8	35,000*							60
65							18.1	167.0	20,000*	42.7	180.8	27,600*							65
70										29.4	173.1	22,400*	57.9	184.9	41,500*b				70
75													48.5	180.7	31,800*				75
80													37.2	174.7	25,400*				80
85													20.6	164.4	20,800*	53.2	178.8	36,400*	85
90																43.0	173.8	28,500*	90
95																29.9	166.2	23,100*	95

150 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	60.5	191.4	35,900*b																35
40	51.5	187.6	27,200*	60.9	191.2	36,800*b													40
45	40.9	182.3	21,600*	51.9	187.5	27,700*													45
50	26.7	173.9	17,500*	41.4	182.2	21,900*	57.1	188.9	32,700*										50
55				27.5	174.0	17,700*	47.5	184.5	25,100*	61.8	189.4	39,200*b							55
60							36.0	178.3	20,100*	52.9	185.8	29,200*							60
65							18.1	167.0	16,400*	42.7	180.8	22,900*							65
70										29.4	173.1	18,400*	57.9	184.9	34,600*				70
75													48.5	180.7	26,400*				75
80													37.2	174.7	20,900*				80
85													20.6	164.4	17,000*	53.2	178.8	30,300*	85
90																43.0	173.8	23,600*	90
95																29.9	166.2	19,000*	95



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 90 Ft. Jib

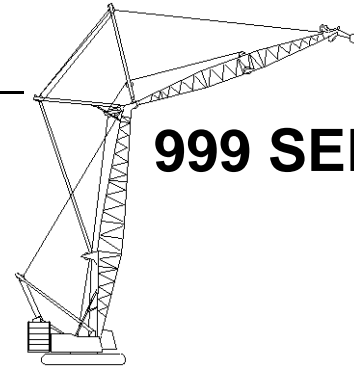
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	60.5	191.4	31,800*																35
40	51.5	187.6	23,900*	60.9	191.2	32,500*b													40
45	40.9	182.3	18,800*	51.9	187.5	24,400*													45
50	26.7	173.9	15,100*	41.4	182.2	19,100*	57.1	188.9	28,800*										50
55				27.5	174.0	15,400*	47.5	184.5	22,100*	61.8	189.4	34,600*							55
60							36.0	178.3	17,500*	52.9	185.8	25,600*							60
65							18.1	167.0	14,100*	42.7	180.8	20,000*							65
70										29.4	173.1	16,000*	57.9	184.9	30,500*				70
75													48.5	180.7	23,100*				75
80													37.2	174.7	18,200*				80
85													20.6	164.4	14,700*	53.2	178.8	26,600*	85
90																43.0	173.8	20,600*	90
95																29.9	166.2	16,400*	95

150 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.0	202.8	46,200*																35
40	60.4	200.1	34,800*	67.3	202.6	47,300*b													40
45	53.3	196.5	27,500*	60.7	199.9	35,500*													45
50	45.4	191.8	22,300*	53.6	196.3	27,900*	64.5	200.6	41,900*										50
55	36.1	185.5	18,500*	45.8	191.7	22,600*	57.7	197.6	32,100*	68.0	200.7	50,500*							55
60	23.5	175.8	15,500*	36.6	185.5	18,700*	50.3	193.6	25,600*	61.5	198.1	37,400*							60
65				24.2	176.0	15,700*	42.0	188.3	21,000*	54.5	194.6	29,200*							65
70							31.7	181.0	17,400*	46.7	190.1	23,500*							70
75							15.8	168.2	14,600*	37.7	184.1	19,400*	58.4	193.6	33,800*				75
80										25.9	175.2	16,200*	51.1	189.7	26,800*				80
85													42.8	184.6	21,800*				85
90													32.9	177.6	18,100*	54.7	187.6	30,100*	90
95													18.0	165.8	15,200*	47.0	183.2	24,300*	95
100																38.0	177.2	20,000*	100
105																26.3	168.4	16,700*	105



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 110 Ft. Jib

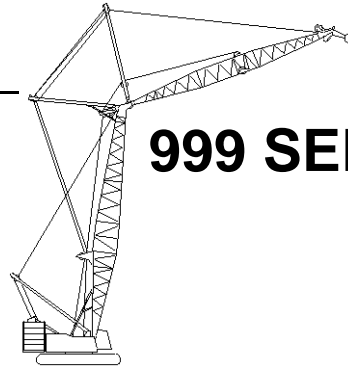
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	68.7	194.1	41,900*b																30
35	60.5	191.4	29,600*	69.1	193.9	43,100*b													35
40	51.5	187.6	22,400*	60.9	191.2	30,200*													40
45	40.9	182.3	17,800*	51.9	187.5	22,800*	65.6	191.9	36,800*										45
50	26.7	173.9	14,400*	41.4	182.2	18,000*	57.1	188.9	26,700*										50
55				27.5	174.0	14,600*	47.5	184.5	20,600*	61.8	189.4	31,800*							55
60							36.0	178.3	16,500*	52.9	185.8	23,800*							60
65							18.1	167.0	13,500*	42.7	180.8	18,700*							65
70										29.4	173.1	15,100*	57.9	184.9	28,000*				70
75													48.5	180.7	21,500*				75
80													37.2	174.7	17,100*				80
85													20.6	164.4	13,900*	53.2	178.8	24,500*	85
90																43.0	173.8	19,200*	90
95																29.9	166.2	15,500*	95

150 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	73.2	204.9	58,800*b																30
35	67.0	202.8	41,200*	73.5	204.6	59,000*b													35
40	60.4	200.1	31,100*	67.3	202.6	42,100*													40
45	53.3	196.5	24,500*	60.7	199.9	31,600*	70.8	202.9	51,500*										45
50	45.4	191.8	19,900*	53.6	196.3	24,900*	64.5	200.6	37,100*										50
55	36.1	185.5	16,500*	45.8	191.7	20,200*	57.7	197.6	28,600*	68.0	200.7	44,400*							55
60	23.5	175.8	13,800*	36.6	185.5	16,700*	50.3	193.6	22,800*	61.5	198.1	33,100*							60
65				24.2	176.0	14,000*	42.0	188.3	18,600*	54.5	194.6	25,900*							65
70							31.7	181.0	15,500*	46.7	190.1	20,900*							70
75							15.8	168.2	13,000*	37.7	184.1	17,200*	58.4	193.6	29,800*				75
80										25.9	175.2	14,400*	51.1	189.7	23,700*				80
85													42.8	184.6	19,300*				85
90													32.9	177.6	16,000*	54.7	187.6	26,600*	90
95													18.0	165.8	13,400*	47.0	183.2	21,400*	95
100																38.0	177.2	17,700*	100
105																26.3	168.4	14,800*	105



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 130 Ft. Jib

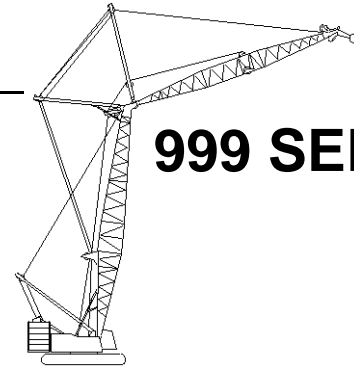
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	71.1	213.7	52,300*																35
40	65.8	211.5	39,500*	71.3	213.4	53,400*													40
45	60.3	208.7	31,200*	66.1	211.3	40,200*													45
50	54.5	205.3	25,400*	60.6	208.5	31,700*	69.0	211.7	47,200*										50
55	48.2	201.0	21,100*	54.8	205.1	25,700*	63.7	209.3	36,300*										55
60	41.1	195.5	17,800*	48.5	200.8	21,400*	58.1	206.2	29,100*	66.7	209.4	42,000*							60
65	32.6	188.3	15,100*	41.4	195.5	18,000*	52.1	202.5	23,800*	61.2	206.7	33,000*							65
70	21.2	177.6	13,000*	33.1	188.4	15,300*	45.5	197.8	19,900*	55.4	203.4	26,700*							70
75				21.9	177.8	13,100*	38.0	191.7	16,900*	49.2	199.2	22,100*							75
80							28.7	183.5	14,400*	42.2	194.0	18,600*	58.6	202.3	30,200*				80
85							14.2	169.3	12,400*	34.1	187.1	15,800*	52.7	198.6	24,700*				85
90										23.4	177.2	13,500*	46.1	194.0	20,600*				90
95													38.7	188.1	17,400*	55.6	196.3	27,400*	95
100													29.7	180.2	14,900*	49.4	192.2	22,700*	100
105													16.2	167.1	12,800*	42.5	187.0	19,000*	105
110																34.4	180.2	16,200*	110
115																23.8	170.4	13,900*	115

150 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	73.9	224.3	59,000*																35
40	69.5	222.5	51,600*																40
45	65.0	220.2	40,800*	69.7	222.2	52,500*													45
50	60.3	217.4	33,300*	65.2	219.9	41,500*													50
55	55.3	214.0	27,700*	60.5	217.2	33,800*	67.8	220.4	47,500*										55
60	50.0	210.0	23,400*	55.6	213.8	28,100*	63.2	217.9	38,100*										60
65	44.3	205.0	20,100*	50.3	209.8	23,800*	58.4	214.9	31,300*	65.7	218.1	43,100*							65
70	37.7	198.9	17,300*	44.5	204.9	20,300*	53.3	211.3	26,300*	61.0	215.4	35,100*							70
75	30.0	191.0	15,000*	38.1	198.9	17,500*	47.8	206.9	22,300*	56.1	212.1	29,100*							75
80	19.5	179.2	13,100*	30.4	191.0	15,200*	41.8	201.6	19,200*	50.9	208.2	24,600*							80
85				20.1	179.5	13,300*	34.9	194.8	16,600*	45.2	203.4	21,000*	58.8	210.9	32,500*				85
90							26.4	185.8	14,400*	38.8	197.5	18,100*	53.8	207.4	27,200*				90
95							13.0	170.3	12,600*	31.3	189.9	15,700*	48.4	203.1	23,100*				95
100										21.5	179.0	13,700*	42.4	197.8	19,800*	56.3	205.1	29,800*	100
105													35.6	191.3	17,200*	51.1	201.1	25,200*	105
110													27.3	182.5	14,900*	45.4	196.4	21,500*	110
115													14.8	168.2	13,000*	39.0	190.5	18,600*	115
120																31.6	183.0	16,100*	120
125																21.8	172.2	14,000*	125



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

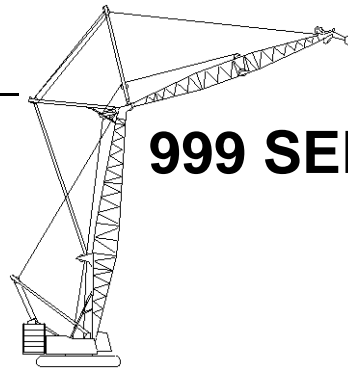
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

150 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*																35
40	72.2	233.1	59,000*																40
45	68.4	231.2	49,500*	72.4	232.9	59,000*													45
50	64.4	228.8	40,500*	68.5	230.9	50,200*													50
55	60.3	226.1	33,900*	64.6	228.6	41,100*	70.7	231.2	57,100*										55
60	55.9	222.8	28,800*	60.4	225.8	34,400*	66.8	229.1	46,200*										60
65	51.4	218.9	24,800*	56.1	222.6	29,300*	62.8	226.6	38,300*										65
70	46.5	214.3	21,600*	51.6	218.7	25,200*	58.6	223.6	32,300*	65.0	226.7	42,600*							70
75	41.2	208.8	18,900*	46.7	214.1	21,900*	54.2	220.1	27,600*	60.9	224.0	35,600*							75
80	35.1	202.0	16,600*	41.4	208.7	19,100*	49.5	215.9	23,900*	56.6	220.8	30,300*							80
85	27.9	193.4	14,700*	35.4	202.0	16,800*	44.5	211.0	20,800*	52.1	217.0	26,000*							85
90	18.1	180.7	13,000*	28.3	193.5	14,900*	38.9	205.1	18,200*	47.3	212.5	22,600*	59.0	219.6	33,300*				90
95				18.6	181.0	13,200*	32.5	197.7	16,100*	42.0	207.2	19,800*	54.6	216.1	28,500*				95
100							24.5	187.9	14,200*	36.1	200.7	17,400*	50.0	212.1	24,700*				100
105							42.0	171.2	12,700*	29.1	192.4	15,400*	45.0	207.2	21,500*	56.8	213.8	30,900*	105
110										19.9	180.6	13,600*	39.4	201.4	18,900*	52.3	210.0	26,700*	110
115													33.1	194.2	16,700*	47.4	205.5	23,200*	115
120													25.4	184.7	14,700*	42.2	200.2	20,300*	120
125													13.8	169.3	13,100*	36.3	193.8	17,900*	125
130																29.4	185.5	15,800*	130
135																20.3	173.9	14,000*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

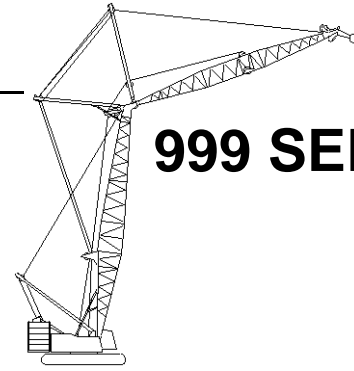
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

150 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*																40
45	70.9	242.0	59,000*																45
50	67.4	239.9	51,000*	71.0	241.7	59,000*													50
55	63.9	237.5	43,400*	67.6	239.7	51,900*													55
60	60.2	234.7	37,400*	64.1	237.3	44,100*	69.5	240.0	58,100*										60
65	56.4	231.5	32,200*	60.4	234.5	37,900*	66.1	237.8	48,800*										65
70	52.4	227.7	28,100*	56.6	231.3	32,700*	62.5	235.2	41,700*	68.0	237.8	54,200*							70
75	48.2	223.3	24,700*	52.6	227.5	28,500*	58.7	232.3	35,800*	64.5	235.4	45,800*							75
80	43.6	218.3	21,800*	48.4	223.2	25,000*	54.9	228.8	31,100*	60.8	232.7	39,200*							80
85	38.6	212.2	19,300*	43.8	218.2	22,100*	50.8	224.8	27,200*	57.0	229.5	33,900*							85
90	33.0	205.0	17,200*	38.9	212.2	19,600*	46.4	220.2	24,000*	53.1	225.8	29,500*	62.8	231.2	42,900*				90
95	26.2	195.6	15,400*	33.2	205.0	17,500*	41.7	214.8	21,200*	48.9	221.6	25,900*	59.1	228.3	36,900*				95
100	16.9	182.1	13,900*	26.5	195.8	15,700*	36.5	208.3	18,900*	44.4	216.6	22,900*	55.2	224.9	32,100*				100
105				17.5	182.5	14,100*	30.5	200.4	16,900*	39.4	210.8	20,400*	51.2	220.9	28,200*				105
110							23.0	189.8	15,100*	33.9	203.7	18,200*	46.9	216.4	24,900*	57.1	222.5	29,700	110
115							11.2	172.1	13,600*	27.4	194.8	16,200*	42.2	211.1	22,000*	53.2	218.8	27,000	115
120										18.7	182.2	14,600*	37.0	204.7	19,600*	49.0	214.6	24,600	120
125													31.1	196.9	17,500*	44.5	209.6	22,400	125
130													23.8	186.7	15,700*	39.6	203.8	20,400	130
135													12.9	170.4	14,100*	34.1	196.8	18,500	135
140																27.6	187.9	16,700	140
145																19.0	175.5	15,000	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 170 Ft. Jib

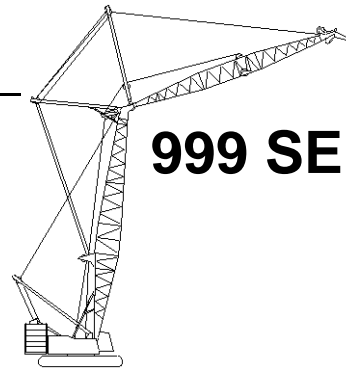
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*																35
40	72.2	233.1	57,400*																40
45	68.4	231.2	45,700*	72.4	232.9	58,200*													45
50	64.4	228.8	37,400*	68.5	230.9	46,400*													50
55	60.3	226.1	31,300*	64.6	228.6	38,000*	70.7	231.2	52,800*										55
60	55.9	222.8	26,600*	60.4	225.8	31,800*	66.8	229.1	42,700*										60
65	51.4	218.9	22,900*	56.1	222.6	27,000*	62.8	226.6	35,300*										65
70	46.5	214.3	19,800*	51.6	218.7	23,200*	58.6	223.6	29,800*	65.0	226.7	39,300*							70
75	41.2	208.8	17,300*	46.7	214.1	20,100*	54.2	220.1	25,500*	60.9	224.0	32,900*							75
80	35.1	202.0	15,200*	41.4	208.7	17,600*	49.5	215.9	22,000*	56.6	220.8	28,000*							80
85	27.9	193.4	13,500*	35.4	202.0	15,500*	44.5	211.0	19,200*	52.1	217.0	24,000*							85
90	18.1	180.7	12,000*	28.3	193.5	13,600*	38.9	205.1	16,800*	47.3	212.5	20,900*	59.0	219.6	30,800*				90
95				18.6	181.0	12,100*	32.5	197.7	14,800*	42.0	207.2	18,200*	54.6	216.1	26,400*				95
100							24.5	187.9	13,100*	36.1	200.7	16,000*	50.0	212.1	22,800*				100
105							42.0	171.2	11,700*	29.1	192.4	14,100*	45.0	207.2	19,900*	56.8	213.8	28,600*	105
110										19.9	180.6	12,500*	39.4	201.4	17,400*	52.3	210.0	24,700*	110
115													33.1	194.2	15,400*	47.4	205.5	21,400*	115
120													25.4	184.7	13,600*	42.2	200.2	18,800*	120
125													13.8	169.3	12,100*	36.3	193.8	16,500*	125
130																29.4	185.5	14,600*	130
135																20.3	173.9	12,900*	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



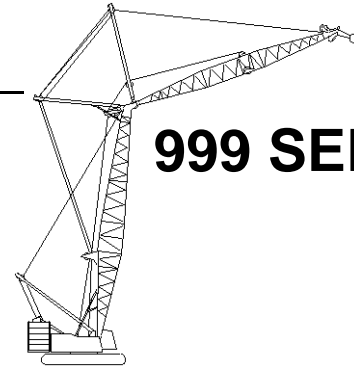
999 SERIES 3

150 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*																40
45	70.9	242.0	58,000*																45
50	67.4	239.9	47,700*	71.0	241.7	58,700*													50
55	63.9	237.5	40,100*	67.6	239.7	48,400*													55
60	60.2	234.7	34,200*	64.1	237.3	40,600*	69.5	240.0	54,000*										60
65	56.4	231.5	29,500*	60.4	234.5	34,700*	66.1	237.8	45,000*										65
70	52.4	227.7	25,600*	56.6	231.3	29,900*	62.5	235.2	38,200*	68.0	237.8	49,800*							70
75	48.2	223.3	22,500*	52.6	227.5	26,000*	58.7	232.3	32,800*	64.5	235.4	42,000*							75
80	43.6	218.3	19,800*	48.4	223.2	22,800*	54.9	228.8	28,400*	60.8	232.7	35,800*							80
85	38.6	212.2	17,600*	43.8	218.2	20,100*	50.8	224.8	24,900*	57.0	229.5	31,000*							85
90	33.0	205.0	15,600*	38.9	212.2	17,900*	46.4	220.2	21,900*	53.1	225.8	27,000*	62.8	231.2	39,300*				90
95	26.2	195.6	14,000*	33.2	205.0	15,900*	41.7	214.8	19,400*	48.9	221.6	23,700*	59.1	228.3	33,800*				95
100	16.9	182.1	12,600*	26.5	195.8	14,200*	36.5	208.3	17,200*	44.4	216.6	20,900*	55.2	224.9	29,400*				100
105				17.5	182.5	12,700*	30.5	200.4	15,300*	39.4	210.8	18,600*	51.2	220.9	25,800*				105
110							23.0	189.8	13,700*	33.9	203.7	16,500*	46.9	216.4	22,700*	57.1	222.5	26,600	110
115							11.2	172.1	12,400*	27.4	194.8	14,800*	42.2	211.1	20,100*	53.2	218.8	23,900	115
120										18.7	182.2	13,200*	37.0	204.7	17,900*	49.0	214.6	21,500	120
125													31.1	196.9	16,000*	44.5	209.6	19,200	125
130													23.8	186.7	14,300*	39.6	203.8	17,100	130
135													12.9	170.4	12,800*	34.1	196.8	15,100	135
140																27.6	187.9	13,300	140
145																19.0	175.5	11,500	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 190 Ft. Jib

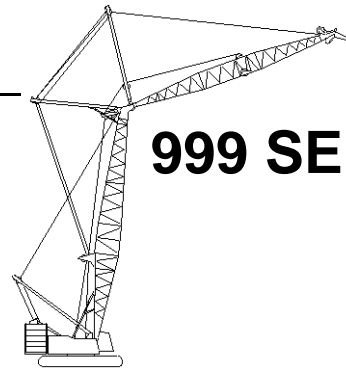
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*																35
40	72.2	233.1	53,100*																40
45	68.4	231.2	42,300*	72.4	232.9	53,900*													45
50	64.4	228.8	34,600*	68.5	230.9	42,900*													50
55	60.3	226.1	29,000*	64.6	228.6	35,200*	70.7	231.2	48,900*										55
60	55.9	222.8	24,600*	60.4	225.8	29,400*	66.8	229.1	39,500*										60
65	51.4	218.9	21,100*	56.1	222.6	24,900*	62.8	226.6	32,700*										65
70	46.5	214.3	18,300*	51.6	218.7	21,400*	58.6	223.6	27,600*	65.0	226.7	36,400*							70
75	41.2	208.8	15,900*	46.7	214.1	18,500*	54.2	220.1	23,500*	60.9	224.0	30,500*							75
80	35.1	202.0	14,000*	41.4	208.7	16,200*	49.5	215.9	20,300*	56.6	220.8	25,900*							80
85	27.9	193.4	12,300*	35.4	202.0	14,200*	44.5	211.0	17,700*	52.1	217.0	22,200*							85
90	18.1	180.7	10,900*	28.3	193.5	12,500*	38.9	205.1	15,400*	47.3	212.5	19,300*	59.0	219.6	28,500*				90
95				18.6	181.0	11,100*	32.5	197.7	13,600*	42.0	207.2	16,800*	54.6	216.1	24,400*				95
100							24.5	187.9	12,000*	36.1	200.7	14,700*	50.0	212.1	21,100*				100
105							12.0	171.2	10,700*	29.1	192.4	13,000*	45.0	207.2	18,400*				105
110										19.9	180.6	11,500*	39.4	201.4	16,100*	52.3	210.0	22,800*	110
115													33.1	194.2	14,200*	47.4	205.5	19,800*	115
120													25.4	184.7	12,500*	42.2	200.2	17,300*	120
125													13.8	169.3	11,100*	36.3	193.8	15,200*	125
130																29.4	185.5	13,400	130
135																20.3	173.9	11,300	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



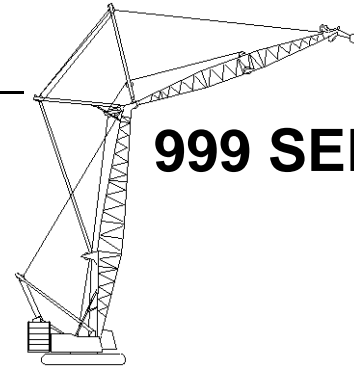
999 SERIES 3

150 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*																40
45	70.9	242.0	53,400*																45
50	67.4	239.9	43,900*	71.0	241.7	54,100*													50
55	63.9	237.5	36,800*	67.6	239.7	44,500*													55
60	60.2	234.7	31,400*	64.1	237.3	37,400*	69.5	240.0	49,800*										60
65	56.4	231.5	27,000*	60.4	234.5	31,900*	66.1	237.8	41,500*										65
70	52.4	227.7	23,500*	56.6	231.3	27,500*	62.5	235.2	35,100*	68.0	237.8	45,900*							70
75	48.2	223.3	20,600*	52.6	227.5	23,900*	58.7	232.3	30,100*	64.5	235.4	38,600*							75
80	43.6	218.3	18,100*	48.4	223.2	20,900*	54.9	228.8	26,100*	60.8	232.7	33,000*							80
85	38.6	212.2	16,000*	43.8	218.2	18,400*	50.8	224.8	22,800*	57.0	229.5	28,500*							85
90	33.0	205.0	14,300*	38.9	212.2	16,300*	46.4	220.2	20,100*	53.1	225.8	24,800*	62.8	231.2	36,200*				90
95	26.2	195.6	12,700*	33.2	205.0	14,500*	41.7	214.8	17,700*	48.9	221.6	21,800*	59.1	228.3	31,100*				95
100	16.9	182.1	11,400*	26.5	195.8	12,900*	36.5	208.3	15,700*	44.4	216.6	19,200*	55.2	224.9	27,100*				100
105				17.5	182.5	11,600*	30.5	200.4	14,000*	39.4	210.8	17,000*	51.2	220.9	23,700*				105
110							23.0	189.8	12,500*	33.9	203.7	15,100*	46.9	216.4	20,900*	57.1	222.5	23,800	110
115							11.2	172.1	11,300*	27.4	194.8	13,500*	42.2	211.1	18,500*	53.2	218.8	21,000	115
120										18.7	182.2	12,100*	37.0	204.7	16,400*	49.0	214.6	18,500	120
125													31.1	196.9	14,600*	44.5	209.6	16,200	125
130													23.8	186.7	13,100*	39.6	203.8	14,000	130
135													12.9	170.4	11,800*	34.1	196.8	12,000	135
140																27.6	187.9	10,100	140
145																19.0	175.5	8,300	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

150 Ft. Boom, 210 Ft. Jib

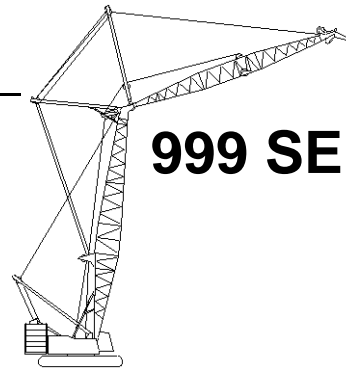
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.9	254.1	59,000*																40
45	72.9	252.6	58,800*																45
50	69.8	250.8	50,400*	73.0	252.3	59,000*													50
55	66.7	248.6	43,100*	70.0	250.5	50,900*													55
60	63.5	246.2	36,900*	66.8	248.4	43,700*													60
65	60.2	243.4	31,900*	63.6	245.9	37,400*	68.6	248.7	47,800*										65
70	56.8	240.2	27,800*	60.4	243.2	32,400*	65.5	246.5	41,100*										70
75	53.2	236.5	24,400*	56.9	240.0	28,300*	62.2	243.9	35,400*	67.2	246.5	44,900*							75
80	49.5	232.3	21,600*	53.4	236.3	24,900*	58.9	240.9	30,800*	64.0	244.1	38,600*							80
85	45.5	227.5	19,200*	49.6	232.2	22,000*	55.4	237.5	27,100*	60.7	241.3	33,500*							85
90	41.2	222.0	17,100*	45.7	227.4	19,500*	51.8	233.7	23,900*	57.3	238.2	29,300*							90
95	36.5	215.5	15,300*	41.4	221.9	17,400*	47.9	229.3	21,200*	53.8	234.6	25,900*	62.5	239.9	36,400*				95
100	31.2	207.7	13,700*	36.7	215.5	15,600*	43.8	224.2	18,900*	50.1	230.5	22,900*	59.2	236.9	31,800*				100
105	24.8	197.8	12,400*	31.4	207.7	14,000*	39.4	218.4	16,900*	46.1	225.8	20,400*	55.7	233.6	28,000*				105
110	16.0	183.4	11,200*	25.1	197.9	12,600*	34.5	211.4	15,100*	41.9	220.4	18,200*	52.1	229.8	24,800*				110
115				16.5	183.9	11,400*	28.8	202.9	13,600*	37.3	214.1	16,300*	48.3	225.4	22,100*	57.4	231.1	21,300	115
120							21.7	191.7	12,300*	32.0	206.5	14,700*	44.3	220.4	19,700*	53.9	227.6	18,800	120
125							10.6	172.9	11,200*	25.9	197.0	13,200*	39.9	214.7	17,700*	50.2	223.5	16,600	125
130										17.7	183.7	11,900*	35.0	207.8	15,900*	46.3	218.8	14,500	130
135													29.4	199.5	14,100	42.0	213.5	12,500	135
140													22.5	188.6	12,100	37.4	207.2	10,700	140
145													12.1	171.3	10,200	32.2	199.6	9,000	145
150																26.1	190.2	7,400	150
155																18.0	177.0	5,800	155



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



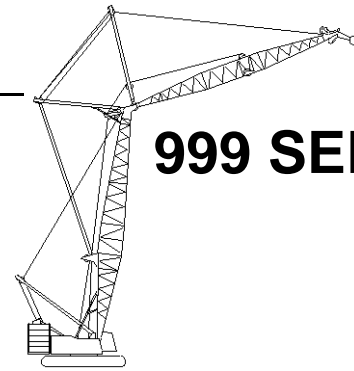
999 SERIES 3

150 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.5	263.0	57,200*																45
50	71.8	261.4	48,800*																50
55	69.0	259.5	42,100*	71.9	261.1	49,200*													55
60	66.1	257.3	36,800*	69.1	259.3	42,500*													60
65	63.2	254.8	32,400*	66.2	257.1	37,100*	70.7	259.5	46,200*										65
70	60.2	252.0	28,700*	63.3	254.6	32,700*	67.8	257.5	40,100*										70
75	57.1	248.8	25,200*	60.3	251.8	28,900*	65.0	255.2	35,100*										75
80	53.9	245.3	22,100*	57.2	248.6	25,700*	62.0	252.6	31,000*	66.6	255.2	37,800*							80
85	50.5	241.2	19,500*	54.0	245.1	22,500*	59.0	249.6	27,600*	63.6	252.8	33,200*							85
90	47.0	236.7	17,200*	50.7	241.1	19,900*	55.8	246.3	24,600*	60.7	250.0	29,500*							90
95	43.2	231.5	15,200*	47.1	236.5	17,500*	52.6	242.5	21,700*	57.6	246.9	26,200*							95
100	39.2	225.5	13,500*	43.4	231.4	15,500*	49.1	238.3	19,100*	54.4	243.4	23,500*	62.3	248.5	31,400*				100
105	34.7	218.6	11,900*	39.3	225.5	13,700*	45.5	233.5	16,900*	51.0	239.4	20,800*	59.3	245.6	28,000*				105
110	29.6	210.3	10,600*	34.9	218.6	12,200*	41.7	228.0	15,000*	47.5	234.9	18,400*	56.1	242.3	25,000*				110
115	23.5	199.8	9,400*	29.9	210.4	10,800*	37.4	221.7	13,300*	43.8	229.8	16,300*	52.9	238.6	22,400*				115
120	15.2	184.6	8,400*	23.8	200.0	9,600*	32.8	214.3	11,800*	39.8	224.0	14,500*	49.5	234.4	20,000*	57.7	239.8	18,800	120
125				15.7	185.2	8,600*	27.4	205.3	10,500*	35.4	217.3	12,900*	45.9	229.7	17,800*	54.5	236.3	16,600	125
130							20.7	193.4	9,300*	30.5	209.2	11,400*	42.0	224.3	15,800*	51.2	232.4	14,500	130
135							10.0	173.7	7,200*	24.6	199.1	10,200*	37.9	218.1	14,100*	47.7	227.9	12,600	135
140										16.8	185.1	9,000*	33.3	210.8	12,500	43.9	222.9	10,900	140
145													27.9	201.9	10,800	39.9	217.1	9,200	145
150													21.4	190.5	9,100	35.6	210.3	7,700	150
155													11.5	172.2	7,500	30.6	202.3	6,200	155
160																24.8	192.3	4,800	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

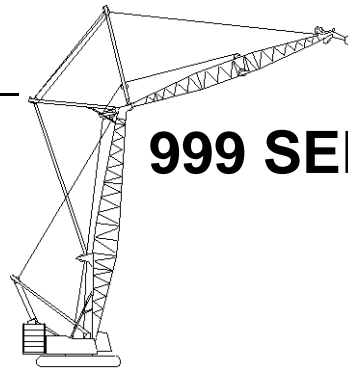
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

150 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.8	273.4	59,000*																45
50	73.3	272.0	52,700*																50
55	70.8	270.2	46,100*	73.4	271.7	53,200*													55
60	68.2	268.3	40,600*	70.9	270.0	46,500*													60
65	65.6	266.0	36,000*	68.3	268.0	40,900*													65
70	62.9	263.5	32,100*	65.7	265.8	36,300*	69.8	268.3	44,000*										70
75	60.2	260.7	28,800*	63.0	263.3	32,400*	67.2	266.2	38,800*										75
80	57.3	257.5	26,000*	60.3	260.5	29,000*	64.6	263.9	34,500*										80
85	54.4	254.0	23,100*	57.5	257.3	26,200*	61.8	261.2	30,900*	66.0	263.9	36,800*							85
90	51.4	250.1	20,600*	54.5	253.8	23,600*	59.1	258.3	27,800*	63.3	261.4	32,900*							90
95	48.2	245.7	18,400*	51.5	249.9	21,000*	56.2	255.0	25,100*	60.6	258.7	29,500*							95
100	44.8	240.8	16,400*	48.3	245.6	18,800*	53.2	251.3	22,800*	57.8	255.5	26,600*							100
105	41.2	235.2	14,700*	45.0	240.7	16,800*	50.1	247.2	20,400*	54.9	252.1	24,100*	62.1	257.2	29,800				105
110	37.4	228.9	13,100*	41.4	235.1	15,000*	46.9	242.6	18,200*	51.8	248.2	21,900*	59.3	254.3	26,700				110
115	33.1	221.5	11,800*	37.6	228.9	13,500*	43.4	237.5	16,300*	48.7	243.9	19,700*	56.5	251.0	23,900				115
120	28.3	212.8	10,600*	33.3	221.6	12,100*	39.8	231.6	14,700*	45.4	239.1	17,700*	53.5	247.4	21,400				120
125	22.5	201.7	9,500*	28.5	212.9	10,800*	35.8	224.9	13,200*	41.8	233.6	15,900*	50.4	243.3	19,000	57.9	248.5	16,900	125
130	14.5	185.8	6,100*	22.8	201.9	9,700*	31.3	217.1	11,800*	38.0	227.4	14,300*	47.2	238.8	16,900	55.0	245.1	14,900	130
135				14.9	186.4	7,200*	26.1	207.5	10,600*	33.8	220.3	12,800*	43.8	233.7	14,900	51.9	241.2	13,000	135
140							19.7	195.1	9,500*	29.1	211.8	11,500*	40.1	227.9	13,100	48.8	236.9	11,300	140
145										23.5	201.2	10,300*	36.2	221.3	11,400	45.5	232.1	9,600	145
150										16.0	186.4	9,100*	31.7	213.6	9,800	41.9	226.7	8,100	150
155													26.7	204.3	8,300	38.1	220.5	6,700	155
160													20.4	192.2	6,900	33.9	213.4	5,400	160
165													11.0	173.1	5,400*	29.2	204.9	4,100	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

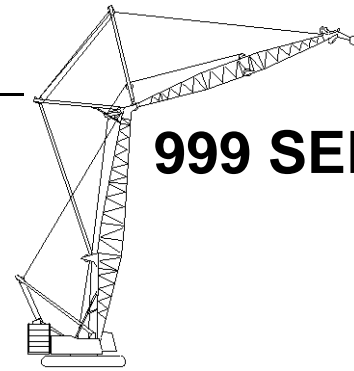
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

150 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.7	282.4	50,400*													50
55	72.3	280.8	44,100*													55
60	70.0	279.0	38,800*	72.4	280.6	44,500*										60
65	67.6	277.0	34,300*	70.1	278.8	39,100*										65
70	65.2	274.7	30,500*	67.7	276.8	34,600*										70
75	62.7	272.2	27,200*	65.3	274.5	30,700*	69.1	277.1	37,100*							75
80	60.2	269.3	24,400*	62.8	271.9	27,400*	66.7	274.9	32,900*							80
85	57.5	266.2	21,900*	60.3	269.1	24,600*	64.2	272.5	29,300*	68.0	274.8	35,100*				85
90	54.9	262.7	19,700*	57.7	266.0	22,100*	61.7	269.9	26,200*	65.6	272.6	31,200*				90
95	52.1	258.9	17,800*	55.0	262.6	19,900*	59.1	266.9	23,500*	63.1	270.1	27,900*				95
100	49.2	254.7	16,000*	52.2	258.7	17,900*	56.5	263.7	21,200*	60.6	267.3	25,000*				100
105	46.1	250.0	14,500*	49.3	254.5	16,200*	53.8	260.1	19,100*	58.0	264.2	22,500*				105
110	42.9	244.7	13,000*	46.3	249.8	14,600*	50.9	256.1	17,200*	55.3	260.8	20,300*	61.9	265.8	26,500*	110
115	39.5	238.8	11,500*	43.1	244.6	13,200*	48.0	251.7	15,600*	52.5	257.0	18,300*	59.4	262.9	23,800	115
120	35.8	232.1	10,200*	39.7	238.7	11,900*	44.9	246.7	14,100*	49.6	252.9	16,500*	56.8	259.7	21,300	120
125	31.7	224.4	9,000*	36.0	232.1	10,500*	41.6	241.2	12,700*	46.6	248.2	14,900*	54.0	256.1	19,000	125
130	27.1	215.1	7,900*	31.9	224.4	9,300*	38.1	235.1	11,500*	43.4	243.1	13,500*	51.2	252.2	16,900	130
135	21.5	203.6	7,000*	27.3	215.2	8,200*	34.3	228.0	10,200*	40.1	237.3	12,200*	48.3	247.8	15,000	135
140				21.8	203.8	7,200*	30.0	219.7	9,100*	36.4	230.7	11,000*	45.2	242.9	13,200	140
145							25.1	209.7	8,000*	32.4	223.2	9,900*	41.9	237.5	11,500	145
150							18.9	196.7	7,000*	27.9	214.2	8,800*	38.4	231.4	9,900	150
155										22.5	203.1	7,700*	34.7	224.4	8,500	155
160										15.3	187.7	5,900*	30.4	216.3	7,100	160
165													25.6	206.5	5,700*	165
170													19.6	193.9	4,200*	170



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

160 Ft. Boom, 70 Ft. Jib

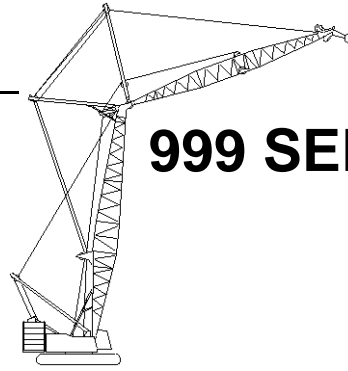
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	52.1	197.9	33,400*																40
45	41.7	192.7	26,600*	53.2	198.1	34,700*													45
50	27.9	184.6	21,700*	43.0	193.1	27,400*													50
55				29.8	185.5	22,300*	50.0	195.7	32,400*										55
60							39.1	190.0	25,800*	56.2	197.0	39,000*b							60
65							23.8	180.7	21,100*	46.5	192.6	30,200*							65
70										34.6	186.0	24,300*							70
75													53.6	192.7	36,800*				75
80													43.4	187.8	28,800*				80
85													30.4	180.3	23,300*				85
90																50.2	186.8	34,200*	90
95																39.3	181.2	27,000*	95
100																24.2	172.1	22,000*	100

160 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	61.1	201.6	37,000*b																35
40	52.1	197.9	27,900*	62.1	201.6	38,800*b													40
45	41.7	192.7	22,000*	53.2	198.1	29,000*													45
50	27.9	184.6	17,800*	43.0	193.1	22,700*	59.2	199.6	35,500*										50
55				29.8	185.5	18,300*	50.0	195.7	26,900*										55
60							39.1	190.0	21,300*	56.2	197.0	32,500*							60
65							23.8	180.7	17,300*	46.5	192.6	25,000*							65
70										34.6	186.0	20,000*	62.4	196.2	41,700*b				70
75													53.6	192.7	30,600*				75
80													43.4	187.8	23,800*				80
85													30.4	180.3	19,100*				85
90																50.2	186.8	28,300*	90
95																39.3	181.2	22,300*	95
100																24.2	172.1	18,000*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

160 Ft. Boom, 90 Ft. Jib

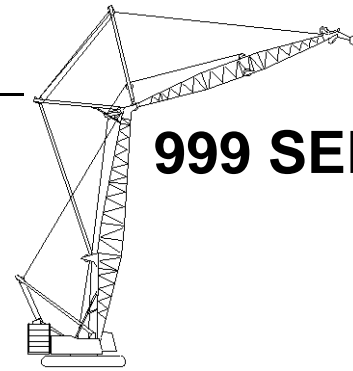
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.1	201.6	32,700*																35
40	52.1	197.9	24,500*	62.1	201.6	34,300*b													40
45	41.7	192.7	19,200*	53.2	198.1	25,500*													45
50	27.9	184.6	15,400*	43.0	193.1	19,900*	59.2	199.6	31,300*										50
55				29.8	185.5	15,900*	50.0	195.7	23,600*	64.7	200.2	39,800*b							55
60							39.1	190.0	18,600*	56.2	197.0	28,600*							60
65							23.8	180.7	15,000*	46.5	192.6	21,900*							65
70										34.6	186.0	17,400*	62.4	196.2	36,800*				70
75													53.6	192.7	26,900*				75
80													43.4	187.8	20,800*				80
85													30.4	180.3	16,600*				85
90																50.2	186.8	24,800*	90
95																39.3	181.2	19,400*	95
100																24.2	172.1	15,600*	100

160 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.4	213.0	47,600*																35
40	60.9	210.3	35,600*	68.2	212.9	50,100*b													40
45	53.8	206.8	28,000*	61.7	210.3	37,100*													45
50	46.0	202.2	22,700*	54.7	206.9	29,000*	66.0	211.2	45,700*										50
55	36.8	196.0	18,800*	46.9	202.4	23,400*	59.4	208.3	34,500*										55
60	24.6	186.7	15,700*	38.0	196.4	19,300*	52.2	204.6	27,200*	63.8	208.9	41,800*							60
65				26.3	187.7	16,100*	44.1	199.7	22,100*	57.0	205.8	32,000*							65
70							34.5	193.0	18,300*	49.5	201.7	25,500*							70
75							20.9	182.4	15,400*	41.0	196.3	20,900*	61.9	204.9	39,300*				75
80										30.5	188.7	17,400*	54.9	201.5	30,500*				80
85													47.2	197.1	24,500*				85
90													38.3	191.2	20,100*				90
95													26.8	182.6	16,800*	52.3	195.7	28,500*	95
100																44.3	190.9	23,100*	100
105																34.7	184.2	19,100*	105
110																21.3	173.8	16,000*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

160 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.1	201.6	30,400*																35
40	52.1	197.9	22,900*	62.1	201.6	31,800*													40
45	41.7	192.7	18,100*	53.2	198.1	23,800*	67.5	202.5	40,800*										45
50	27.9	184.6	14,700*	43.0	193.1	18,700*	59.2	199.6	28,900*										50
55				29.8	185.5	15,100*	50.0	195.7	22,000*	64.7	200.2	36,200*							55
60							39.1	190.0	17,500*	56.2	197.0	26,400*							60
65							23.8	180.7	14,200*	46.5	192.6	20,400*							65
70										34.6	186.0	16,300*	62.4	196.2	33,400*				70
75													53.6	192.7	24,700*				75
80													43.4	187.8	19,300*				80
85													30.4	180.3	15,600*				85
90																50.2	186.8	22,800*	90
95																39.3	181.2	18,000*	95
100																24.2	172.1	14,600*	100

160 Ft. Boom, 120 Ft. Jib

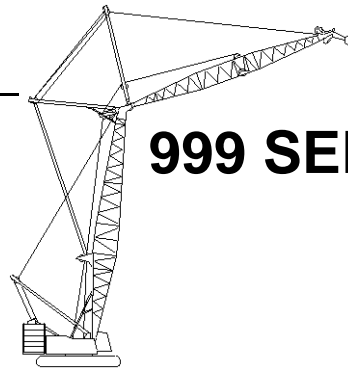
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.4	213.0	42,300*																35
40	60.9	210.3	31,800*	68.2	212.9	44,300*													40
45	53.8	206.8	25,000*	61.7	210.3	33,000*													45
50	46.0	202.2	20,200*	54.7	206.9	25,800*	66.0	211.2	40,300*										50
55	36.8	196.0	16,700*	46.9	202.4	20,800*	59.4	208.3	30,500*										55
60	24.6	186.7	14,000*	38.0	196.4	17,200*	52.2	204.6	24,200*	63.8	208.9	36,800*							60
65				26.3	187.7	14,300*	44.1	199.7	19,600*	57.0	205.8	28,300*							65
70							34.5	193.0	16,300*	49.5	201.7	22,600*							70
75							20.9	182.4	13,600*	41.0	196.3	18,500*	61.9	204.9	34,400*				75
80										30.5	188.7	15,400*	54.9	201.5	26,800*				80
85													47.2	197.1	21,600*				85
90													38.3	191.2	17,800*				90
95													26.8	182.6	14,800*	52.3	195.7	25,000*	95
100																44.3	190.9	20,300*	100
105																34.7	184.2	16,800*	105
110																21.3	173.8	14,100*	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

160 Ft. Boom, 130 Ft. Jib

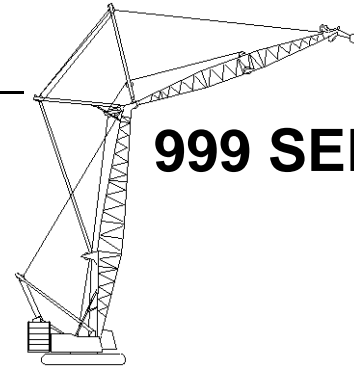
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	71.4	223.8	53,800*																35
40	66.2	221.7	40,400*	72.0	223.7	56,300*													40
45	60.7	218.9	31,800*	66.8	221.6	41,900*													45
50	54.9	215.5	25,800*	61.4	218.9	32,800*	70.3	222.1	51,200*										50
55	48.6	211.3	21,400*	55.6	215.6	26,600*	65.0	219.8	38,800*										55
60	41.6	206.0	18,000*	49.4	211.5	22,000*	59.5	217.0	30,800*										60
65	33.3	198.9	15,300*	42.4	206.3	18,500*	53.6	213.4	25,100*	63.1	217.6	36,000*							65
70	22.2	188.5	13,200*	34.3	199.5	15,700*	47.2	208.9	20,900*	57.5	214.5	28,800*							70
75				23.7	189.7	13,400*	39.9	203.3	17,600*	51.4	210.6	23,700*							75
80							31.2	195.7	15,000*	44.8	205.8	19,800*	61.6	213.5	34,100*				80
85							18.9	184.0	12,900*	37.1	199.6	16,800*	55.8	210.2	27,600*				85
90										27.6	191.0	14,300*	49.6	206.1	22,800*				90
95													42.7	201.0	19,100*				95
100													34.7	194.3	16,200*	53.7	204.5	26,000*	100
105													24.2	184.6	13,900*	47.3	200.1	21,600*	105
110																40.1	194.5	18,200*	110
115																31.4	187.0	15,500*	115
120																19.2	175.3	13,300*	120

160 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.2	234.4	59,000*																35
40	69.8	232.6	52,900*																40
45	65.3	230.3	41,600*	70.3	232.4	54,800*													45
50	60.6	227.6	33,900*	65.8	230.3	43,100*													50
55	55.7	224.3	28,100*	61.2	227.6	34,900*	68.9	230.8	50,800*										55
60	50.4	220.3	23,800*	56.3	224.3	28,900*	64.3	228.5	40,400*										60
65	44.7	215.4	20,300*	51.0	220.4	24,400*	59.6	225.6	33,000*	67.3	228.7	47,100*							65
70	38.2	209.4	17,500*	45.4	215.6	20,800*	54.6	222.2	27,500*	62.7	226.2	37,800*							70
75	30.6	201.6	15,200*	39.0	209.8	17,900*	49.2	218.0	23,300*	57.9	223.1	31,200*							75
80	20.4	190.2	13,200*	31.6	202.2	15,500*	43.3	212.9	20,000*	52.8	219.5	26,200*							80
85				21.8	191.5	13,500*	36.7	206.6	17,200*	47.2	215.0	22,300*	61.3	222.2	36,100*				85
90							28.7	198.2	15,000*	41.1	209.5	19,100*	56.5	219.0	30,000*				90
95							17.3	185.4	13,100*	34.1	202.6	16,500*	51.2	215.1	25,300*				95
100										25.3	193.2	14,400*	45.6	210.3	21,600*				100
105													39.3	204.5	18,600*	54.7	213.3	28,500*	105
110													31.9	197.1	16,100*	49.3	209.1	24,100*	110
115													22.2	186.5	14,000*	43.5	204.1	20,700*	115
120																36.8	197.8	17,900*	120
125																28.9	189.5	15,500*	125
130																17.6	176.8	13,500*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

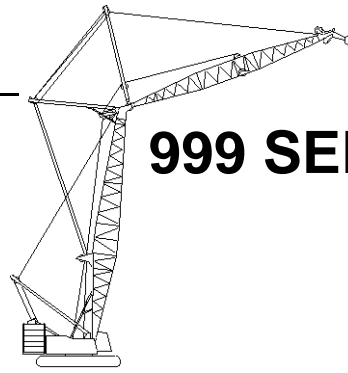
160 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	59,000*																40
45	68.6	241.3	50,400*	72.9	243.1	59,000*													45
50	64.7	239.0	41,200*	69.1	241.2	52,000*													50
55	60.5	236.3	34,400*	65.1	238.9	42,400*													55
60	56.3	233.0	29,200*	61.0	236.2	35,400*	67.8	239.6	48,800*										60
65	51.7	229.1	25,100*	56.8	233.0	30,000*	63.8	237.2	40,200*										65
70	46.9	224.6	21,800*	52.2	229.3	25,700*	59.6	234.3	33,700*	66.4	237.4	45,800*							70
75	41.5	219.2	19,000*	47.4	224.8	22,300*	55.3	230.9	28,700*	62.4	234.9	38,100*							75
80	35.6	212.6	16,700*	42.2	219.5	19,500*	50.7	226.9	24,800*	58.1	231.8	32,200*							80
85	28.5	204.1	14,800*	36.3	213.0	17,100*	45.7	222.2	21,500*	53.7	228.2	27,500*							85
90	18.9	191.8	13,100*	29.4	204.8	15,100*	40.3	216.6	18,900*	49.0	224.0	23,800*	61.2	230.8	36,600*				90
95				20.3	193.2	13,400*	34.1	209.6	16,600*	43.9	219.0	20,800*	56.9	227.7	31,100*				95
100							26.7	200.5	14,700*	38.3	213.0	18,200*	52.4	223.9	26,700*				100
105							16.1	186.7	13,000*	31.7	205.4	16,100*	47.6	219.5	23,200*				105
110										23.6	195.2	14,200*	42.4	214.2	20,300*	55.4	222.0	29,100	110
115													36.5	207.8	17,800*	50.8	218.1	25,700*	115
120													29.6	199.6	15,800*	45.8	213.4	22,400*	120
125													20.7	188.2	14,000*	40.4	207.7	19,600*	125
130																34.3	200.8	17,300*	130
135																26.8	191.8	15,300*	135
140																16.4	178.1	13,600*	140

REF ONLY



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

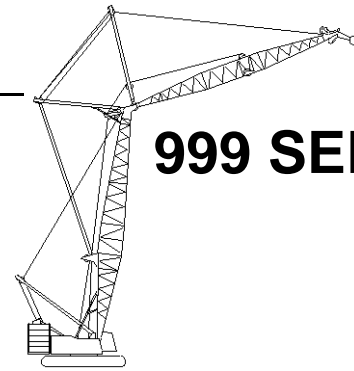
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

160 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.5	253.8	59,000*																40
45	71.1	252.1	59,000*																45
50	67.7	250.1	51,700*	71.5	251.9	59,000*													50
55	64.1	247.7	43,900*	68.1	249.9	53,300*													55
60	60.5	244.9	37,800*	64.6	247.6	45,200*	70.4	250.4	59,000*										60
65	56.7	241.7	32,600*	60.9	244.9	38,800*	66.9	248.3	51,100*										65
70	52.7	238.0	28,400*	57.1	241.7	33,400*	63.3	245.8	43,500*										70
75	48.5	233.7	24,900*	53.2	238.1	29,100*	59.7	243.0	37,300*	65.7	246.1	48,800*							75
80	43.9	228.6	22,000*	49.0	233.8	25,500*	55.8	239.6	32,300*	62.1	243.5	41,500*							80
85	39.0	222.7	19,500*	44.5	228.9	22,500*	51.8	235.8	28,200*	58.4	240.5	35,700*							85
90	33.4	215.5	17,400*	39.6	223.1	20,000*	47.5	231.3	24,800*	54.5	237.0	31,100*							90
95	26.7	206.4	15,500*	34.1	216.0	17,800*	42.9	226.1	21,900*	50.3	233.0	27,200*	61.0	239.5	40,100*				95
100	17.7	193.3	14,000*	27.6	207.2	15,900*	37.8	219.9	19,500*	46.0	228.3	24,000*	57.3	236.4	34,700*				100
105				19.0	194.8	14,300*	32.0	212.4	17,400*	41.2	222.8	21,300*	53.3	232.7	30,300*				105
110							25.0	202.7	15,500*	35.9	216.2	18,900*	49.1	228.5	26,600*				110
115							15.0	187.9	13,900*	29.8	208.0	16,900*	44.7	223.6	23,500*	55.9	230.8	26,200	115
120										22.1	197.1	15,100*	39.8	217.8	20,900*	51.9	226.9	23,900	120
125													34.3	210.8	18,600*	47.6	222.5	21,700	125
130													27.8	202.1	16,700*	43.0	217.3	19,700	130
135													19.4	189.8	14,900*	37.9	211.1	17,900	135
140																32.2	203.6	16,100	140
145																25.2	194.0	14,500	145
150																15.3	179.4	12,900	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

160 Ft. Boom, 170 Ft. Jib

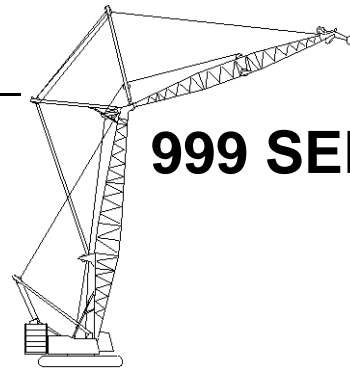
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	58,700*																40
45	68.6	241.3	46,600*	72.9	243.1	59,000*													45
50	64.7	239.0	38,100*	69.1	241.2	48,000*													50
55	60.5	236.3	31,800*	65.1	238.9	39,200*													55
60	56.3	233.0	27,000*	61.0	236.2	32,700*	67.8	239.6	45,100*										60
65	51.7	229.1	23,100*	56.8	233.0	27,700*	63.8	237.2	37,100*										65
70	46.9	224.6	20,100*	52.2	229.3	23,700*	59.6	234.3	31,200*	66.4	237.4	42,300*							70
75	41.5	219.2	17,500*	47.4	224.8	20,600*	55.3	230.9	26,600*	62.4	234.9	35,200*							75
80	35.6	212.6	15,400*	42.2	219.5	17,900*	50.7	226.9	22,900*	58.1	231.8	29,700*							80
85	28.5	204.1	13,600*	36.3	213.0	15,700*	45.7	222.2	19,900*	53.7	228.2	25,400*							85
90	18.9	191.8	12,000*	29.4	204.8	13,900*	40.3	216.6	17,400*	49.0	224.0	22,000*	61.2	230.8	33,800*				90
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	19,200*	56.9	227.7	28,700*				95
100							26.7	200.5	13,500*	38.3	213.0	16,800*	52.4	223.9	24,700*				100
105							16.1	186.7	12,000*	31.7	205.4	14,800*	47.6	219.5	21,400*				105
110										23.6	195.2	13,100*	42.4	214.2	18,700*	55.4	222.0	25,900	110
115													36.5	207.8	16,500*	50.8	218.1	23,200	115
120													29.6	199.6	14,500*	45.8	213.4	20,700	120
125													20.7	188.2	12,900*	40.4	207.7	18,100*	125
130																34.3	200.8	16,000*	130
135																26.8	191.8	14,100*	135
140																16.4	178.1	12,300	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



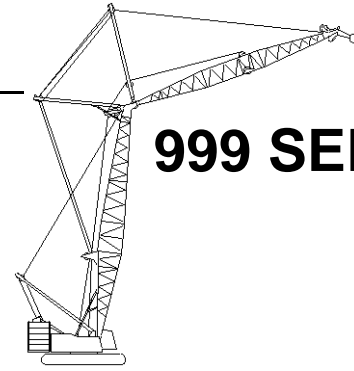
999 SERIES 3

160 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.5	253.8	59,000*																40
45	71.1	252.1	59,000*																45
50	67.7	250.1	48,500*	71.5	251.9	59,000*													50
55	64.1	247.7	40,600*	68.1	249.9	49,900*													55
60	60.5	244.9	34,600*	64.6	247.6	41,800*	70.4	250.4	57,000*										60
65	56.7	241.7	29,800*	60.9	244.9	35,500*	66.9	248.3	47,200*										65
70	52.7	238.0	25,900*	57.1	241.7	30,600*	63.3	245.8	39,900*										70
75	48.5	233.7	22,700*	53.2	238.1	26,600*	59.7	243.0	34,100*	65.7	246.1	44,700*							75
80	43.9	228.6	20,000*	49.0	233.8	23,300*	55.8	239.6	29,500*	62.1	243.5	38,000*							80
85	39.0	222.7	17,700*	44.5	228.9	20,500*	51.8	235.8	25,700*	58.4	240.5	32,700*							85
90	33.4	215.5	15,700*	39.6	223.1	18,200*	47.5	231.3	22,600*	54.5	237.0	28,400*							90
95	26.7	206.4	14,100*	34.1	216.0	16,100*	42.9	226.1	20,000*	50.3	233.0	24,900*	61.0	239.5	36,700*				95
100	17.7	193.3	12,600*	27.6	207.2	14,400*	37.8	219.9	17,700*	46.0	228.3	21,900*	57.3	236.4	31,800*				100
105				19.0	194.8	12,900*	32.0	212.4	15,800*	41.2	222.8	19,400*	53.3	232.7	27,700*				105
110							25.0	202.7	14,100*	35.9	216.2	17,200*	49.1	228.5	24,300*				110
115							15.0	187.9	12,600*	29.8	208.0	15,400*	44.7	223.6	21,500*	55.9	230.8	23,200	115
120										22.1	197.1	13,700*	39.8	217.8	19,100*	51.9	226.9	20,800	120
125													34.3	210.8	17,000*	47.6	222.5	18,600	125
130													27.8	202.1	15,200*	43.0	217.3	16,500	130
135													19.4	189.8	13,600*	37.9	211.1	14,600	135
140																32.2	203.6	12,800	140
145																25.2	194.0	11,100	145
150																15.3	179.4	9,400	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

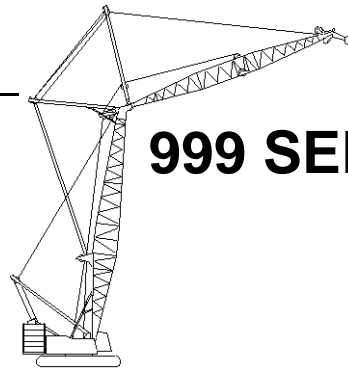
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

160 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	54,300*																40
45	68.6	241.3	43,100*	72.9	243.1	56,200*													45
50	64.7	239.0	35,200*	69.1	241.2	44,500*													50
55	60.5	236.3	29,400*	65.1	238.9	36,300*													55
60	56.3	233.0	24,900*	61.0	236.2	30,200*	67.8	239.6	41,800*										60
65	51.7	229.1	21,300*	56.8	233.0	25,600*	63.8	237.2	34,400*										65
70	46.9	224.6	18,400*	52.2	229.3	21,900*	59.6	234.3	28,800*	66.4	237.4	39,200*							70
75	41.5	219.2	16,100*	47.4	224.8	18,900*	55.3	230.9	24,500*	62.4	234.9	32,600*							75
80	35.6	212.6	14,100*	42.2	219.5	16,500*	50.7	226.9	21,100*	58.1	231.8	27,500*							80
85	28.5	204.1	12,400*	36.3	213.0	14,500*	45.7	222.2	18,300*	53.7	228.2	23,500*							85
90	18.9	191.8	11,000*	29.4	204.8	12,700*	40.3	216.6	16,000*	49.0	224.0	20,300*	61.2	230.8	31,300*				90
95				20.3	193.2	11,300*	34.1	209.6	14,000*	43.9	219.0	17,700*	56.9	227.7	26,600*				95
100							26.7	200.5	12,400*	38.3	213.0	15,500*	52.4	223.9	22,800*				100
105							16.1	186.7	11,000*	31.7	205.4	13,600*	47.6	219.5	19,800*				105
110										23.6	195.2	12,000*	42.4	214.2	17,300*	55.4	222.0	23,100	110
115													36.5	207.8	15,200*	50.8	218.1	20,200	115
120													29.6	199.6	13,400*	45.8	213.4	17,600	120
125													20.7	188.2	11,800*	40.4	207.7	15,300	125
130																34.3	200.8	13,100	130
135																26.8	191.8	11,000	135
140																16.4	178.1	8,900	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

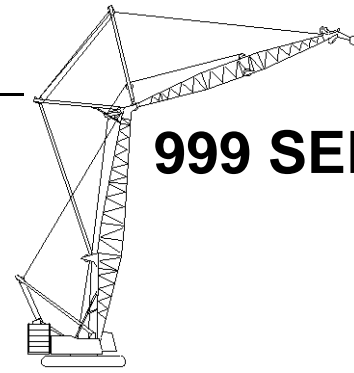
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

160 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.5	253.8	59,000*																40
45	71.1	252.1	54,300*																45
50	67.7	250.1	44,600*	71.5	251.9	55,900*													50
55	64.1	247.7	37,400*	68.1	249.9	45,900*													55
60	60.5	244.9	31,800*	64.6	247.6	38,400*	70.4	250.4	52,500*										60
65	56.7	241.7	27,300*	60.9	244.9	32,600*	66.9	248.3	43,500*										65
70	52.7	238.0	23,700*	57.1	241.7	28,100*	63.3	245.8	36,700*										70
75	48.5	233.7	20,800*	53.2	238.1	24,400*	59.7	243.0	31,400*	65.7	246.1	41,200*							75
80	43.9	228.6	18,300*	49.0	233.8	21,300*	55.8	239.6	27,100*	62.1	243.5	35,000*							80
85	39.0	222.7	16,200*	44.5	228.9	18,800*	51.8	235.8	23,600*	58.4	240.5	30,100*							85
90	33.4	215.5	14,300*	39.6	223.1	16,600*	47.5	231.3	20,700*	54.5	237.0	26,100*							90
95	26.7	206.4	12,800*	34.1	216.0	14,700*	42.9	226.1	18,300*	50.3	233.0	22,800*	61.0	239.5	33,800*				95
100	17.7	193.3	11,500*	27.6	207.2	13,100*	37.8	219.9	16,200*	46.0	228.3	20,100*	57.3	236.4	29,200*				100
105				19.0	194.8	11,800*	32.0	212.4	14,400*	41.2	222.8	17,800*	53.3	232.7	25,500*				105
110							25.0	202.7	12,900*	35.9	216.2	15,800*	49.1	228.5	22,400*				110
115							15.0	187.9	11,500*	29.8	208.0	14,100*	44.7	223.6	19,800*	55.9	230.8	20,400	115
120										22.1	197.1	12,600*	39.8	217.8	17,500*	51.9	226.9	17,900	120
125													34.3	210.8	15,600*	47.6	222.5	15,600	125
130													27.8	202.1	13,900*	43.0	217.3	13,500	130
135													19.4	189.8	12,400*	37.9	211.1	11,500	135
140																32.2	203.6	9,700	140
145																25.2	194.0	7,900	145
150																15.3	179.4	6,200	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

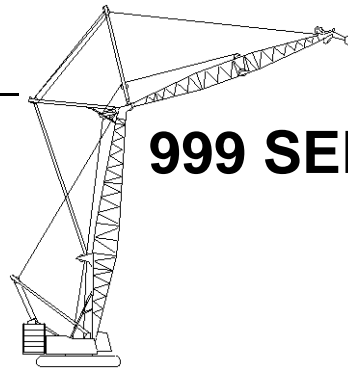
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

160 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.1	262.7	59,000*																45
50	70.0	260.9	51,100*	73.4	262.5	59,000*													50
55	66.9	258.8	43,700*	70.4	260.7	52,100*													55
60	63.7	256.4	37,300*	67.3	258.7	44,800*													60
65	60.4	253.6	32,200*	64.1	256.3	38,300*	69.4	259.2	49,800*										65
70	57.0	250.4	28,100*	60.8	253.5	33,100*	66.2	257.0	42,800*										70
75	53.5	246.8	24,600*	57.4	250.4	28,800*	63.0	254.5	36,800*										75
80	49.7	242.6	21,800*	53.9	246.8	25,300*	59.7	251.6	32,000*	65.1	254.8	40,800*							80
85	45.8	237.9	19,300*	50.2	242.8	22,400*	56.3	248.3	28,000*	61.9	252.2	35,300*							85
90	41.5	232.4	17,200*	46.2	238.1	19,800*	52.7	244.6	24,700*	58.5	249.2	30,800*							90
95	36.8	226.0	15,400*	42.0	232.7	17,700*	48.9	240.3	21,800*	55.0	245.7	27,100*							95
100	31.6	218.3	13,800*	37.4	226.4	15,800*	44.9	235.5	19,400*	51.4	241.8	23,900*	60.9	248.2	32,200				100
105	25.3	208.6	12,400*	32.2	218.9	14,200*	40.5	229.8	17,400*	47.5	237.4	21,300*	57.5	245.0	28,800				105
110	16.8	194.7	11,200*	26.1	209.4	12,700*	35.7	223.1	15,500*	43.4	232.2	19,000*	54.0	241.5	25,700				110
115				17.9	196.3	11,500*	30.3	215.1	14,000*	38.9	226.3	17,000*	50.3	237.4	22,800				115
120							23.7	204.7	12,600*	33.9	219.2	15,200*	46.4	232.8	20,300	56.3	239.5	18,200	120
125							14.2	189.0	11,400*	28.2	210.5	13,700*	42.2	227.4	17,900	52.7	235.7	16,000	125
130										20.9	198.8	12,300*	37.6	221.2	15,700	49.0	231.5	13,900	130
135													32.4	213.7	13,700	45.0	226.6	12,000	135
140													26.3	204.3	11,800	40.6	221.0	10,200	140
145													18.3	191.4	10,000	35.8	214.3	8,500	145
150																30.4	206.3	7,000	150
155																23.8	196.0	5,500	155
160																14.5	180.5	4,000	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

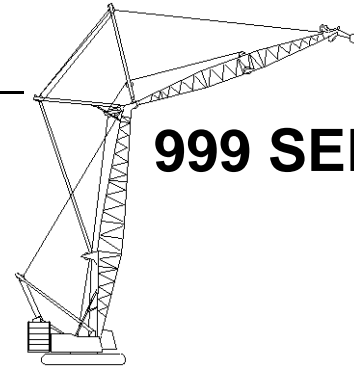
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

160 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.7	273.1	57,900*													45
50	71.9	271.5	49,400*													50
55	69.2	269.7	42,700*	72.3	271.4	50,400*										55
60	66.3	267.5	37,300*	69.5	269.5	43,500*										60
65	63.4	265.0	32,800*	66.6	267.4	37,900*										65
70	60.4	262.2	29,100*	63.7	265.0	33,400*	68.5	267.9	41,600*							70
75	57.3	259.1	25,500*	60.7	262.2	29,500*	65.7	265.7	36,400*							75
80	54.1	255.5	22,300*	57.7	259.1	26,200*	62.7	263.2	32,100*	67.5	265.8	39,700*				80
85	50.8	251.5	19,600*	54.5	255.6	23,000*	59.7	260.3	28,500*	64.7	263.5	34,900*				85
90	47.2	247.0	17,300*	51.1	251.6	20,200*	56.6	257.0	25,400*	61.7	260.8	30,900*				90
95	43.5	241.9	15,300*	47.6	247.2	17,800*	53.4	253.4	22,400*	58.7	257.8	27,500*				95
100	39.4	236.0	13,500*	43.9	242.1	15,800*	50.0	249.3	19,700*	55.5	254.5	24,500*				100
105	35.0	229.1	12,000*	39.9	236.3	14,000*	46.4	244.6	17,500*	52.2	250.7	21,700*	60.9	256.8	28,800	105
110	30.0	220.9	10,600*	35.5	229.6	12,400*	42.6	239.3	15,500*	48.8	246.4	19,200*	57.8	253.7	25,700	110
115	24.0	210.6	9,400*	30.6	221.6	10,900*	38.5	233.3	13,700*	45.1	241.5	17,000*	54.6	250.2	23,000	115
120	15.9	196.0	8,400*	24.8	211.6	9,700*	34.0	226.2	12,200*	41.2	236.0	15,100*	51.3	246.3	20,400	120
125				17.0	197.7	8,700*	28.8	217.6	10,800*	37.0	229.6	13,400*	47.8	241.9	18,100	125
130							22.5	206.6	9,600*	32.3	222.0	11,900*	44.1	236.8	16,000	130
135							13.5	190.1	8,500*	26.8	212.8	10,600*	40.1	231.1	14,000	135
140										19.8	200.5	9,400*	35.7	224.4	12,100	140
145													30.8	216.4	10,400	145
150													25.0	206.5	8,800	150
155													17.4	192.8	7,200	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

160 Ft. Boom, 230 Ft. Jib

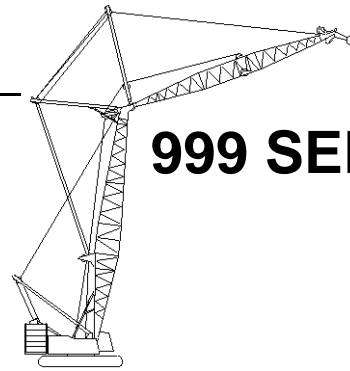
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	76.0	283.5	57,500*													45
50	73.5	282.1	53,100*													50
55	71.0	280.4	46,500*	73.8	281.9	54,200*										55
60	68.4	278.4	41,000*	71.3	280.2	47,400*										60
65	65.8	276.2	36,400*	68.7	278.3	41,700*										65
70	63.1	273.7	32,400*	66.1	276.1	37,000*	70.4	278.7	45,500*							70
75	60.4	270.9	29,100*	63.4	273.6	33,000*	67.8	276.7	40,100*							75
80	57.5	267.8	26,200*	60.7	270.9	29,600*	65.2	274.4	35,600*							80
85	54.6	264.3	23,300*	57.9	267.8	26,600*	62.5	271.8	31,900*	66.9	274.5	38,500*				85
90	51.6	260.4	20,700*	55.0	264.3	24,000*	59.7	268.9	28,600*	64.3	272.2	34,300*				90
95	48.4	256.0	18,500*	51.9	260.5	21,300*	56.9	265.7	25,900*	61.6	269.5	30,800*				95
100	45.1	251.1	16,500*	48.8	256.2	19,000*	54.0	262.2	23,400*	58.8	266.5	27,700*				100
105	41.5	245.6	14,700*	45.5	251.4	17,000*	50.9	258.2	21,000*	55.9	263.2	25,000*				105
110	37.7	239.4	13,200*	41.9	245.9	15,200*	47.7	253.7	18,700*	52.9	259.5	22,700*	60.8	265.5	26,100	110
115	33.4	232.1	11,800*	38.1	239.8	13,600*	44.3	248.7	16,800*	49.8	255.3	20,500*	58.0	262.4	23,300	115
120	28.6	223.4	10,600*	33.9	232.6	12,200*	40.7	243.0	15,000*	46.5	250.7	18,400*	55.1	259.0	20,800	120
125	22.9	212.6	9,500*	29.2	224.2	10,900*	36.8	236.6	13,500*	43.1	245.5	16,500*	52.0	255.1	18,500	125
130	15.2	197.2	6,700*	23.6	213.6	9,800*	32.4	229.0	12,100*	39.4	239.5	14,800*	48.9	250.8	16,400	130
135				16.3	199.1	8,300*	27.5	220.0	10,900*	35.3	232.7	13,300*	45.6	246.1	14,500	135
140							21.5	208.5	9,800*	30.8	224.8	11,900*	42.1	240.7	12,700	140
145							12.8	191.2	6,900*	25.6	215.0	10,300*	38.3	234.5	11,000	145
150										18.9	202.1	8,400*	34.1	227.4	9,400	150
155													29.4	219.0	7,900	155
160													23.9	208.6	6,400*	160
165													16.6	194.2	4,700*	165



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



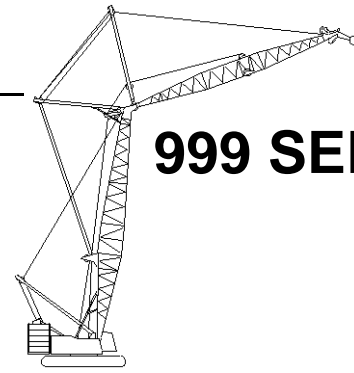
999 SERIES 3

160 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.8	292.5	50,600*													50
55	72.5	291.0	44,500*													55
60	70.2	289.2	39,200*	72.8	290.8	45,300*										60
65	67.8	287.2	34,600*	70.4	289.0	39,800*										65
70	65.3	284.9	30,800*	68.0	287.0	35,200*										70
75	62.9	282.4	27,500*	65.6	284.8	31,300*	69.6	287.5	38,300*							75
80	60.3	279.5	24,600*	63.2	282.3	27,900*	67.2	285.4	33,900*							80
85	57.7	276.4	22,100*	60.6	279.5	25,000*	64.8	283.1	30,200*							85
90	55.0	273.0	19,900*	58.0	276.4	22,500*	62.3	280.5	27,000*	66.4	283.3	32,600*				90
95	52.3	269.2	18,000*	55.4	273.0	20,200*	59.8	277.6	24,200*	64.0	280.8	29,100*				95
100	49.4	265.0	16,200*	52.6	269.3	18,200*	57.1	274.4	21,800*	61.4	278.2	26,100*				100
105	46.4	260.3	14,600*	49.7	265.1	16,500*	54.4	270.9	19,600*	58.9	275.2	23,400*				105
110	43.2	255.1	13,100*	46.7	260.5	14,900*	51.6	267.0	17,700*	56.2	271.9	21,100*				110
115	39.8	249.2	11,600*	43.5	255.3	13,400*	48.7	262.7	16,000*	53.5	268.2	19,000*	60.7	274.1	23,200	115
120	36.1	242.6	10,200*	40.2	249.6	12,000*	45.7	257.9	14,500*	50.6	264.2	17,200*	58.1	271.1	20,800	120
125	32.0	234.9	9,000*	36.5	243.0	10,600*	42.4	252.6	13,100*	47.7	259.7	15,500*	55.5	267.7	18,500	125
130	27.5	225.8	7,900*	32.5	235.5	9,400*	39.0	246.6	11,800*	44.6	254.8	14,100*	52.7	263.9	16,400	130
135	22.0	214.5	6,600*	28.0	226.6	8,300*	35.2	239.7	10,500*	41.3	249.2	12,700*	49.8	259.8	14,500	135
140				22.7	215.6	7,300*	31.1	231.8	9,300*	37.7	242.9	11,500*	46.8	255.2	12,700	140
145				15.6	200.4	4,600*	26.3	222.3	8,200*	33.8	235.8	10,400*	43.7	250.1	11,000	145
150							20.6	210.2	7,200*	29.5	227.4	8,700*	40.3	244.3	9,500	150
155										24.5	217.1	7,000*	36.7	237.8	8,100	155
160										18.1	203.7	5,300*	32.7	230.3	6,500*	160
165													28.2	221.5	4,900*	165



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 70 Ft. Jib

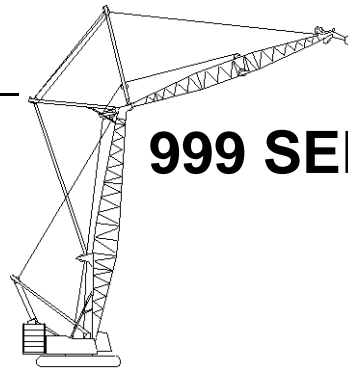
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	52.8	208.2	34,200*																40
45	42.5	203.2	27,100*	54.5	208.6	36,300*b													45
50	29.1	195.4	22,100*	44.5	203.9	28,500*													50
55				32.0	196.8	23,100*	52.4	206.7	34,800*										55
60							42.0	201.5	27,400*										60
65							28.3	193.5	22,300*	50.0	204.2	33,200*							65
70										39.1	198.5	26,400*							70
75										23.8	189.2	21,500*	58.2	204.3	43,800*b				75
80													48.9	200.2	33,100*				80
85													37.7	194.3	26,200*				85
90													21.4	184.3	21,400*	56.6	199.0	42,500*b	90
95																47.0	194.7	32,200*	95
100																35.3	188.3	25,700*	100

170 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.7	211.8	38,100*b																35
40	52.8	208.2	28,500*	63.3	212.0	41,100*b													40
45	42.5	203.2	22,400*	54.5	208.6	30,300*													45
50	29.1	195.4	18,100*	44.5	203.9	23,600*	61.3	210.3	38,900*b										50
55				32.0	196.8	19,000*	52.4	206.7	29,000*										55
60							42.0	201.5	22,700*	59.2	208.1	36,600*							60
65							28.3	193.5	18,300*	50.0	204.2	27,600*							65
70										39.1	198.5	21,800*							70
75										23.8	189.2	17,600*	58.2	204.3	36,400*				75
80													48.9	200.2	27,400*				80
85													37.7	194.3	21,600*				85
90													21.4	184.3	17,500*	56.6	199.0	35,200*	90
95																47.0	194.7	26,700*	95
100																35.3	188.3	21,100*	100



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 90 Ft. Jib

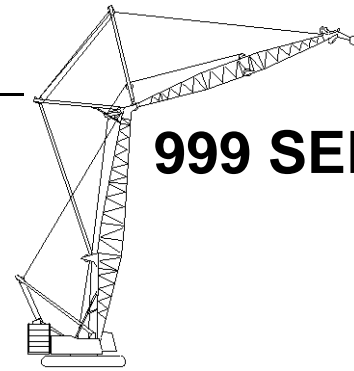
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.7	211.8	33,700*b																35
40	52.8	208.2	25,100*	63.3	212.0	36,400*b													40
45	42.5	203.2	19,600*	54.5	208.6	26,700*													45
50	29.1	195.4	15,700*	44.5	203.9	20,700*	61.3	210.3	34,300*										50
55				32.0	196.8	16,500*	52.4	206.7	25,400*	67.6	211.0	46,700*b							55
60							42.0	201.5	19,800*	59.2	208.1	32,300*							60
65							28.3	193.5	15,900*	50.0	204.2	24,200*							65
70										39.1	198.5	19,000*							70
75										23.8	189.2	15,300*							75
80													58.2	204.3	32,000*				80
85													48.9	200.2	24,000*				85
90													37.7	194.3	18,800*				90
95													21.4	184.3	15,100*	56.6	199.0	30,900*	95
100																47.0	194.7	23,300*	100
																35.3	188.3	18,300*	100

170 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.9	223.1	49,200*b																35
40	61.4	220.5	36,600*	69.0	223.2	53,300*b													40
45	54.3	217.0	28,600*	62.6	220.6	38,900*													45
50	46.6	212.5	23,100*	55.7	217.4	30,200*	67.6	221.7	50,300*										50
55	37.5	206.5	19,100*	48.1	213.1	24,200*	61.0	219.0	37,200*										55
60	25.6	197.5	16,000*	39.3	207.4	19,900*	54.0	215.5	29,000*	66.0	219.7	47,400*							60
65				28.2	199.2	16,600*	46.2	210.9	23,400*	59.4	216.8	35,400*							65
70							37.1	204.8	19,300*	52.2	213.1	27,800*							70
75							25.0	195.6	16,100*	44.1	208.2	22,600*							75
80										34.5	201.5	18,700*	58.6	213.0	35,200*				80
85										21.0	190.9	15,600*	51.3	209.2	27,700*				85
90													43.1	204.1	22,500*				90
95													33.3	197.2	18,600*	57.3	207.7	34,300*	95
100													18.8	185.7	15,600*	49.9	203.7	27,100*	100
105																41.5	198.4	22,000*	105
110																31.1	191.0	18,200*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 110 Ft. Jib

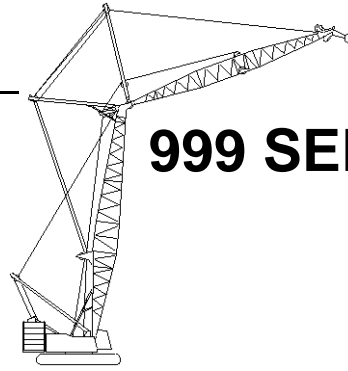
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.7	211.8	31,200*																35
40	52.8	208.2	23,400*	63.3	212.0	33,500*													40
45	42.5	203.2	18,400*	54.5	208.6	24,800*	69.5	213.0	45,800*										45
50	29.1	195.4	14,900*	44.5	203.9	19,300*	61.3	210.3	31,500*										50
55				32.0	196.8	15,600*	52.4	206.7	23,600*	67.6	211.0	42,000*							55
60							42.0	201.5	18,500*	59.2	208.1	29,600*							60
65							28.3	193.5	15,000*	50.0	204.2	22,400*							65
70										39.1	198.5	17,700*							70
75										23.8	189.2	14,400*	58.2	204.3	29,000*				75
80													48.9	200.2	22,100*				80
85													37.7	194.3	17,500*				85
90													21.4	184.3	14,200*	56.6	199.0	27,900*	90
95																47.0	194.7	21,400*	95
100																35.3	188.3	17,000*	100

170 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.9	223.1	43,600*																35
40	61.4	220.5	32,500*	69.0	223.2	46,900*													40
45	54.3	217.0	25,500*	62.6	220.6	34,500*													45
50	46.6	212.5	20,600*	55.7	217.4	26,800*	67.6	221.7	44,100*										50
55	37.5	206.5	17,000*	48.1	213.1	21,500*	61.0	219.0	32,800*										55
60	25.6	197.5	14,200*	39.3	207.4	17,700*	54.0	215.5	25,700*	66.0	219.7	41,300*							60
65				28.2	199.2	14,700*	46.2	210.9	20,700*	59.4	216.8	31,100*							65
70							37.1	204.8	17,100*	52.2	213.1	24,500*							70
75							25.0	195.6	14,300*	44.1	208.2	19,900*							75
80										34.5	201.5	16,500*	58.6	213.0	30,700*				80
85										21.0	190.9	13,800*	51.3	209.2	24,300*				85
90													43.1	204.1	19,700*				90
95													33.3	197.2	16,400*	57.3	207.7	29,800*	95
100													18.8	185.7	13,700*	41.5	198.4	19,300*	100
105																31.1	191.0	16,000*	105
110																			110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 130 Ft. Jib

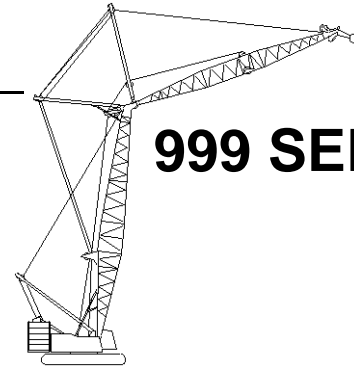
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	71.8	233.9	55,500*																35
40	66.6	231.8	41,400*	72.7	233.9	59,000*													40
45	61.1	229.1	32,400*	67.6	231.9	43,900*													45
50	55.3	225.8	26,200*	62.2	229.3	34,100*													50
55	49.1	221.6	21,700*	56.4	226.1	27,400*	66.3	230.4	41,700*										55
60	42.1	216.4	18,200*	50.3	222.1	22,600*	60.9	227.6	32,700*										60
65	33.9	209.5	15,500*	43.5	217.1	18,900*	55.1	224.3	26,500*	65.0	228.3	39,600*							65
70	23.2	199.5	13,300*	35.6	210.5	16,100*	48.8	220.1	21,900*	59.5	225.5	31,300*							70
75				25.5	201.3	13,700*	41.8	214.7	18,400*	53.6	221.9	25,500*							75
80							33.5	207.7	15,600*	47.2	217.4	21,200*							80
85							22.5	197.5	13,400*	39.9	211.8	17,800*	58.9	221.7	31,000*				85
90										31.2	204.2	15,200*	52.9	218.0	25,300*				90
95										18.9	192.5	13,000*	46.4	213.5	21,000*				95
100													39.0	207.7	17,800*	57.8	216.4	30,200*	100
105													30.1	199.8	15,100*	51.8	212.6	24,700*	105
110													16.9	187.1	13,000*	45.1	207.9	20,600*	110
115																37.5	201.8	17,400*	115
120																28.1	193.4	14,900*	120

170 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.5	244.5	59,000*																35
40	70.1	242.7	54,200*																40
45	65.6	240.5	42,500*	71.0	242.7	57,300*													45
50	61.0	237.8	34,400*	66.5	240.6	44,700*													50
55	56.0	234.5	28,500*	61.8	238.0	36,000*	69.9	241.3	54,500*										55
60	50.8	230.6	24,100*	57.0	234.8	29,800*	65.4	239.0	42,900*										60
65	45.1	225.8	20,500*	51.8	231.0	25,000*	60.7	236.3	34,800*										65
70	38.7	219.8	17,700*	46.2	226.3	21,300*	55.8	233.0	28,900*	64.3	237.0	41,000*							70
75	31.2	212.2	15,300*	40.0	220.7	18,300*	50.5	229.0	24,300*	59.6	234.1	33,500*							75
80	21.3	201.2	13,400*	32.7	213.4	15,800*	44.8	224.2	20,800*	54.6	230.7	27,900*							80
85				23.4	203.3	13,800*	38.4	218.2	17,900*	49.2	226.5	23,600*							85
90							30.8	210.4	15,500*	43.3	221.4	20,200*	59.0	230.4	33,300*				90
95							20.7	199.2	13,500*	36.7	215.1	17,400*	54.0	226.8	27,800*				95
100										28.7	206.7	15,100*	48.6	222.6	23,600*				100
105										17.3	193.9	13,200*	42.6	217.4	20,200*				105
110													35.9	210.8	17,400*	53.0	221.5	27,200*	110
115													27.6	202.2	15,100*	47.5	217.0	23,200*	115
120													15.5	188.3	13,200*	41.5	211.6	19,900*	120
125																34.5	204.8	17,200*	125
130																25.9	195.6	14,900*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 150 Ft. Jib

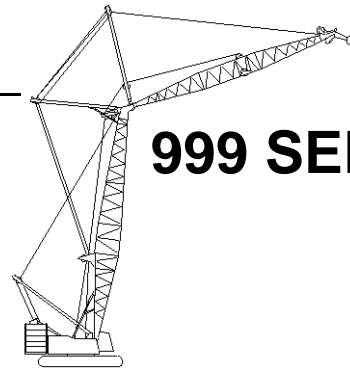
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.7	253.4	59,000*																40
45	68.9	251.5	51,500*	73.4	253.3	59,000*													45
50	64.9	249.2	41,900*	69.6	251.5	54,000*													50
55	60.8	246.5	34,900*	65.7	249.3	43,800*													55
60	56.6	243.2	29,600*	61.6	246.6	36,400*	68.7	250.0	51,800*										60
65	52.0	239.4	25,400*	57.4	243.5	30,700*	64.8	247.7	42,300*										65
70	47.2	234.9	22,000*	52.9	239.8	26,300*	60.6	245.0	35,300*	67.8	248.1	49,500*							70
75	41.9	229.6	19,200*	48.1	235.4	22,800*	56.4	241.7	30,000*	63.8	245.7	40,800*							75
80	36.0	223.1	16,800*	42.9	230.3	19,900*	51.8	237.9	25,800*	59.6	242.8	34,200*							80
85	29.0	214.7	14,900*	37.2	224.0	17,400*	47.0	233.4	22,300*	55.3	239.4	29,200*							85
90	19.8	202.9	13,200*	30.4	216.1	15,400*	41.7	228.0	19,500*	50.7	235.4	25,100*							90
95				21.8	205.1	13,600*	35.7	221.4	17,100*	45.7	230.7	21,800*	59.1	239.0	34,000*				95
100							28.7	212.9	15,100*	40.3	225.1	19,100*	54.8	235.6	29,100*				100
105							19.2	200.8	13,400*	34.1	218.1	16,800*	50.1	231.5	25,100*				105
110										26.7	209.0	14,900*	45.1	226.7	21,800*				110
115										16.1	195.2	13,200*	39.6	220.9	19,100*	54.0	230.2	25,600	115
120													33.4	213.8	16,900*	49.3	226.1	23,300	120
125													25.7	204.4	14,900*	44.2	221.1	21,100	125
130													14.3	189.4	13,200*	38.6	215.1	18,900*	130
135																32.1	207.6	16,700*	135
140																24.0	197.6	14,800*	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



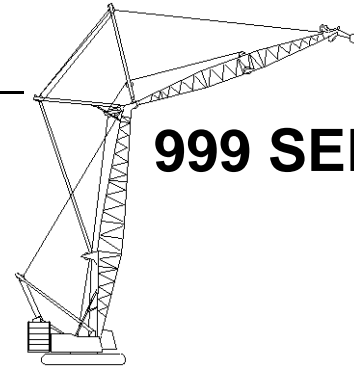
999 SERIES 3

170 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*																40
45	71.4	262.2	59,000*																45
50	67.9	260.2	52,300*	72.0	262.1	59,000*													50
55	64.4	257.9	44,300*	68.6	260.2	54,700*													55
60	60.7	255.1	38,200*	65.1	257.9	46,200*													60
65	57.0	251.9	33,000*	61.4	255.3	39,700*	67.8	258.8	53,400*										65
70	53.0	248.2	28,600*	57.7	252.2	34,200*	64.2	256.4	45,300*										70
75	48.8	244.0	25,100*	53.7	248.6	29,700*	60.6	253.6	38,800*	66.9	256.8	52,000*							75
80	44.3	239.0	22,100*	49.6	244.4	26,000*	56.8	250.4	33,500*	63.4	254.3	44,100*							80
85	39.3	233.1	19,600*	45.1	239.6	22,900*	52.8	246.7	29,200*	59.7	251.5	37,800*							85
90	33.8	226.1	17,400*	40.3	233.9	20,300*	48.6	242.4	25,600*	55.8	248.1	32,700*							90
95	27.2	217.1	15,600*	34.9	227.1	18,000*	44.1	237.4	22,600*	51.8	244.3	28,600*	62.9	250.6	41,000				95
100	18.5	204.4	14,000*	28.6	218.6	16,100*	39.1	231.5	20,000*	47.5	239.8	25,100*	59.2	247.7	37,300				100
105				20.4	206.8	14,400*	33.5	224.3	17,800*	42.9	234.6	22,200*	55.4	244.3	32,700*				105
110							26.9	215.3	15,900*	37.8	228.4	19,700*	51.3	240.4	28,600*				110
115							18.0	202.3	14,300*	32.0	220.9	17,600*	47.0	235.9	25,200*				115
120										25.0	211.2	15,700*	42.4	230.6	22,300*	54.7	239.0	23,100	120
125										15.0	196.4	14,100*	37.2	224.3	19,800*	50.6	235.0	21,000	125
130													31.3	216.5	17,700*	46.2	230.3	19,000	130
135													24.1	206.5	15,800*	41.5	224.9	17,200	135
140													13.4	190.5	14,200*	36.2	218.3	15,500	140
145																30.1	210.3	13,900	145
150																22.6	199.5	12,400	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

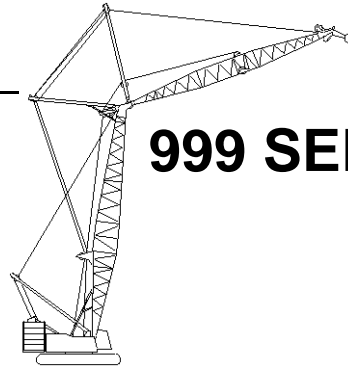
170 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.7	253.4	59,000*																40
45	68.9	251.5	47,500*	73.4	253.3	59,000*													45
50	64.9	249.2	38,700*	69.6	251.5	49,800*													50
55	60.8	246.5	32,200*	65.7	249.3	40,400*													55
60	56.6	243.2	27,300*	61.6	246.6	33,600*	68.7	250.0	47,800*										60
65	52.0	239.4	23,400*	57.4	243.5	28,400*	64.8	247.7	39,100*										65
70	47.2	234.9	20,200*	52.9	239.8	24,300*	60.6	245.0	32,600*	67.8	248.1	45,700*							70
75	41.9	229.6	17,600*	48.1	235.4	21,000*	56.4	241.7	27,700*	63.8	245.7	37,700*							75
80	36.0	223.1	15,500*	42.9	230.3	18,300*	51.8	237.9	23,800*	59.6	242.8	31,600*							80
85	29.0	214.7	13,600*	37.2	224.0	16,000*	47.0	233.4	20,600*	55.3	239.4	26,900*							85
90	19.8	202.9	12,100*	30.4	216.1	14,100*	41.7	228.0	18,000*	50.7	235.4	23,200*							90
95				21.8	205.1	12,500*	35.7	221.4	15,800*	45.7	230.7	20,100*	59.1	239.0	31,500*				95
100							28.7	212.9	13,900*	40.3	225.1	17,600*	54.8	235.6	26,900*				100
105							19.2	200.8	12,300*	34.1	218.1	15,500*	50.1	231.5	23,200*				105
110										26.7	209.0	13,700*	45.1	226.7	20,200*				110
115										16.1	195.2	12,100*	39.6	220.9	17,700*	54.0	230.2	22,500	115
120													33.4	213.8	15,500*	49.3	226.1	20,100	120
125													25.7	204.4	13,700*	44.2	221.1	17,800	125
130													14.3	189.4	12,200*	38.6	215.1	15,700	130
135																32.1	207.6	13,800	135
140																24.0	197.6	11,900	140

REF ONLY



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

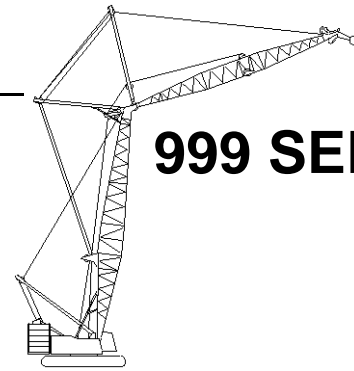
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

170 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*																40
45	71.4	262.2	59,000*																45
50	67.9	260.2	49,300*	72.0	262.1	59,000*													50
55	64.4	257.9	41,200*	68.6	260.2	51,400*													55
60	60.7	255.1	35,000*	65.1	257.9	42,900*													60
65	57.0	251.9	30,100*	61.4	255.3	36,400*	67.8	258.8	49,600*										65
70	53.0	248.2	26,100*	57.7	252.2	31,200*	64.2	256.4	41,700*										70
75	48.8	244.0	22,800*	53.7	248.6	27,100*	60.6	253.6	35,500*	66.9	256.8	47,800*							75
80	44.3	239.0	20,100*	49.6	244.4	23,700*	56.8	250.4	30,600*	63.4	254.3	40,400*							80
85	39.3	233.1	17,800*	45.1	239.6	20,800*	52.8	246.7	26,600*	59.7	251.5	34,600*							85
90	33.8	226.1	15,800*	40.3	233.9	18,400*	48.6	242.4	23,300*	55.8	248.1	29,900*							90
95	27.2	217.1	14,100*	34.9	227.1	16,400*	44.1	237.4	20,600*	51.8	244.3	26,100*	62.9	250.6	38,000				95
100	18.5	204.4	12,700*	28.6	218.6	14,600*	39.1	231.5	18,200*	47.5	239.8	22,900*	59.2	247.7	34,200				100
105				20.4	206.8	13,100*	33.5	224.3	16,200*	42.9	234.6	20,300*	55.4	244.3	29,900*				105
110							26.9	215.3	14,500*	37.8	228.4	18,000*	51.3	240.4	26,100*				110
115							18.0	202.3	13,000*	32.0	220.9	16,000*	47.0	235.9	23,000*				115
120										25.0	211.2	14,300*	42.4	230.6	20,400*	54.7	239.0	20,100	120
125										15.0	196.4	12,800*	37.2	224.3	18,100*	50.6	235.0	17,900	125
130													31.3	216.5	16,100*	46.2	230.3	15,900	130
135													24.1	206.5	14,400*	41.5	224.9	14,000	135
140													13.4	190.5	12,900*	36.2	218.3	12,200	140
145																30.1	210.3	10,600	145
150																22.6	199.5	9,000	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 190 Ft. Jib

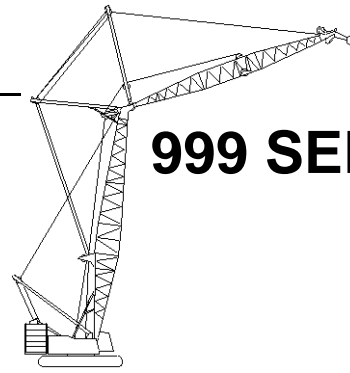
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.7	253.4	55,600*																40
45	68.9	251.5	43,900*	73.4	253.3	58,600*													45
50	64.9	249.2	35,800*	69.6	251.5	46,100*													50
55	60.8	246.5	29,800*	65.7	249.3	37,400*													55
60	56.6	243.2	25,200*	61.6	246.6	31,100*	68.7	250.0	44,300*										60
65	52.0	239.4	21,500*	57.4	243.5	26,200*	64.8	247.7	36,200*										65
70	47.2	234.9	18,600*	52.9	239.8	22,400*	60.6	245.0	30,200*	67.8	248.1	42,400*							70
75	41.9	229.6	16,200*	48.1	235.4	19,300*	56.4	241.7	25,600*	63.8	245.7	34,900*							75
80	36.0	223.1	14,200*	42.9	230.3	16,800*	51.8	237.9	21,900*	59.6	242.8	29,300*							80
85	29.0	214.7	12,500*	37.2	224.0	14,700*	47.0	233.4	19,000*	55.3	239.4	24,900*							85
90	19.8	202.9	11,100*	30.4	216.1	12,900*	41.7	228.0	16,500*	50.7	235.4	21,400*							90
95				21.8	205.1	11,400*	35.7	221.4	14,500*	45.7	230.7	18,600*	59.1	239.0	29,100*				95
100							28.7	212.9	12,800*	40.3	225.1	16,200*	54.8	235.6	24,900*				100
105							19.2	200.8	11,300*	34.1	218.1	14,200*	50.1	231.5	21,400*				105
110										26.7	209.0	12,600*	45.1	226.7	18,600*				110
115										16.1	195.2	11,100*	39.6	220.9	16,300*	54.0	230.2	19,700	115
120													33.4	213.8	14,300*	49.3	226.1	17,100	120
125													25.7	204.4	12,600*	44.2	221.1	14,800	125
130													14.3	189.4	11,200*	38.6	215.1	12,600	130
135																32.1	207.6	10,600	135
140																24.0	197.6	8,600	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



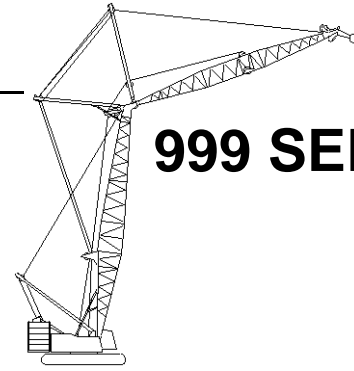
999 SERIES 3

170 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*																40
45	71.4	262.2	55,300*																45
50	67.9	260.2	45,300*	72.0	262.1	57,900*													50
55	64.4	257.9	37,900*	68.6	260.2	47,300*													55
60	60.7	255.1	32,100*	65.1	257.9	39,500*													60
65	57.0	251.9	27,600*	61.4	255.3	33,400*	67.8	258.8	45,700*										65
70	53.0	248.2	23,900*	57.7	252.2	28,700*	64.2	256.4	38,400*										70
75	48.8	244.0	20,900*	53.7	248.6	24,900*	60.6	253.6	32,700*	66.9	256.8	44,000*							75
80	44.3	239.0	18,400*	49.6	244.4	21,700*	56.8	250.4	28,100*	63.4	254.3	37,200*							80
85	39.3	233.1	16,200*	45.1	239.6	19,100*	52.8	246.7	24,500*	59.7	251.5	31,800*							85
90	33.8	226.1	14,400*	40.3	233.9	16,800*	48.6	242.4	21,400*	55.8	248.1	27,500*							90
95	27.2	217.1	12,800*	34.9	227.1	14,900*	44.1	237.4	18,800*	51.8	244.3	24,000*	62.9	250.6	35,200				95
100	18.5	204.4	11,500*	28.6	218.6	13,300*	39.1	231.5	16,700*	47.5	239.8	21,000*	59.2	247.7	31,300				100
105				20.4	206.8	11,900*	33.5	224.3	14,800*	42.9	234.6	18,600*	55.4	244.3	27,500*				105
110							26.9	215.3	13,200*	37.8	228.4	16,500*	51.3	240.4	24,000*				110
115							18.0	202.3	11,800*	32.0	220.9	14,600*	47.0	235.9	21,100*				115
120										25.0	211.2	13,100*	42.4	230.6	18,700*	54.7	239.0	17,300	120
125										15.0	196.4	11,700*	37.2	224.3	16,600*	50.6	235.0	15,000	125
130													31.3	216.5	14,700	46.2	230.3	12,900	130
135													24.1	206.5	12,600	41.5	224.9	11,000	135
140													13.4	190.5	10,500	36.2	218.3	9,200	140
145																30.1	210.3	7,500	145
150																22.6	199.5	5,900	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

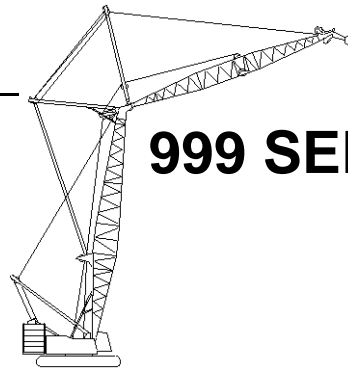
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

170 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.3	272.8	59,000*																45
50	70.3	271.0	51,800*	73.9	272.7	59,000*													50
55	67.1	268.9	44,300*	70.8	271.0	53,500*													55
60	64.0	266.5	37,700*	67.7	269.0	46,000*													60
65	60.7	263.8	32,500*	64.6	266.6	39,200*	70.1	269.6	51,900*										65
70	57.3	260.6	28,300*	61.3	263.9	33,800*	67.0	267.5	44,600*										70
75	53.7	257.0	24,800*	57.9	260.8	29,400*	63.8	265.1	38,300*										75
80	50.0	252.9	21,900*	54.4	257.3	25,800*	60.5	262.3	33,100*	66.2	265.5	43,200*							80
85	46.1	248.2	19,400*	50.7	253.3	22,700*	57.1	259.1	28,900*	63.0	263.0	37,200*							85
90	41.8	242.8	17,200*	46.8	248.8	20,100*	53.6	255.5	25,400*	59.7	260.1	32,400*							90
95	37.2	236.5	15,400*	42.6	243.5	17,900*	49.8	251.4	22,500*	56.3	256.8	28,400*							95
100	32.0	228.9	13,800*	38.1	237.3	16,000*	45.9	246.6	20,000*	52.7	253.1	25,000*	62.6	259.3	31,600				100
105	25.7	219.3	12,400*	33.0	230.0	14,300*	41.6	241.2	17,800*	48.9	248.8	22,200*	59.3	256.4	28,200				105
110	17.5	205.9	11,200*	27.0	220.9	12,900*	37.0	234.8	15,900*	44.9	244.0	19,800*	55.9	253.0	25,100				110
115				19.3	208.5	11,600*	31.7	227.1	14,300*	40.5	238.3	17,600*	52.3	249.2	22,300				115
120							25.4	217.5	12,800*	35.7	231.6	15,800*	48.5	244.9	19,800				120
125							17.0	203.7	11,600*	30.3	223.6	14,200*	44.4	240.0	17,400	55.2	247.7	15,300	125
130										23.7	213.2	12,800*	40.0	234.2	15,300	51.6	243.9	13,300	130
135										14.2	197.5	11,600*	35.2	227.4	13,300	47.7	239.4	11,400	135
140													29.6	219.1	11,400	43.6	234.3	9,600	140
145													22.8	208.4	9,600	39.2	228.4	8,000	145
150													12.7	191.5	7,800*	34.2	221.4	6,500	150
155																28.5	212.8	5,000	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

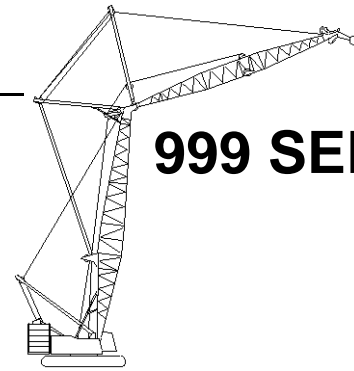
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

170 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.9	283.2	57,200*													45
50	72.1	281.6	50,100*													50
55	69.3	279.8	43,300*	72.6	281.6	51,700*										55
60	66.5	277.6	37,700*	69.9	279.8	44,500*										60
65	63.6	275.2	33,200*	67.0	277.7	38,800*										65
70	60.6	272.4	29,400*	64.1	275.3	34,100*	69.2	278.3	43,300*							70
75	57.5	269.3	25,600*	61.2	272.6	30,200*	66.4	276.2	37,800*							75
80	54.3	265.8	22,400*	58.1	269.5	26,700*	63.5	273.7	33,300*							80
85	51.0	261.8	19,700*	54.9	266.1	23,300*	60.5	270.9	29,500*	65.7	274.2	36,700*				85
90	47.5	257.3	17,300*	51.6	262.2	20,500*	57.4	267.8	26,300*	62.7	271.6	32,300*				90
95	43.8	252.2	15,300*	48.1	257.8	18,100*	54.2	264.2	23,100*	59.7	268.8	28,700*				95
100	39.7	246.4	13,500*	44.5	252.8	16,000*	50.8	260.3	20,300*	56.6	265.5	25,600*				100
105	35.3	239.6	11,900*	40.5	247.2	14,100*	47.3	255.7	18,000*	53.4	261.9	22,700*	62.4	267.9	28,200	105
110	30.4	231.6	10,600*	36.2	240.6	12,500*	43.6	250.6	15,900*	50.0	257.8	20,100*	59.4	265.0	25,200	110
115	24.5	221.4	9,400*	31.3	232.8	11,100*	39.5	244.8	14,100*	46.4	253.1	17,800*	56.3	261.7	22,400	115
120	16.6	207.3	8,400*	25.7	223.1	9,800*	35.1	237.9	12,500*	42.6	247.8	15,700*	53.0	258.0	19,900	120
125				18.3	210.0	8,700*	30.1	229.8	11,100*	38.5	241.8	14,000*	49.6	253.9	17,600	125
130							24.2	219.5	9,800*	34.0	234.7	12,400*	46.0	249.2	15,500	130
135							16.2	205.1	8,700*	28.8	226.1	11,000*	42.2	243.8	13,500	135
140										22.5	215.1	9,800*	38.0	237.6	11,700	140
145										13.5	198.6	8,600*	33.4	230.4	10,000	145
150													28.1	221.6	8,400*	150
155													21.7	210.3	6,500*	155
160													12.0	192.5	4,700*	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

170 Ft. Boom, 230 Ft. Jib

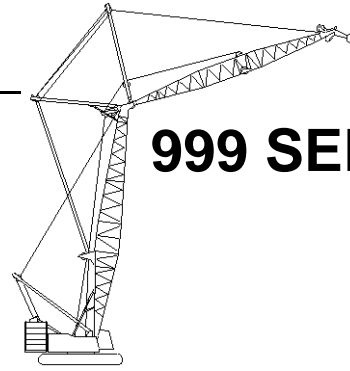
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	73.7	292.2	50,500*													50
55	71.2	290.5	46,600*													55
60	68.6	288.6	41,400*	71.6	290.4	48,300*										60
65	66.0	286.4	36,700*	69.1	288.5	42,500*										65
70	63.3	283.9	32,800*	66.5	286.4	37,700*	71.0	289.0	47,000*							70
75	60.6	281.1	29,400*	63.8	284.0	33,600*	68.5	287.1	41,500*							75
80	57.7	278.0	26,400*	61.1	281.2	30,100*	65.8	284.9	36,800*							80
85	54.8	274.5	23,400*	58.3	278.2	27,100*	63.2	282.4	32,900*	67.8	285.2	40,200*				85
90	51.8	270.6	20,700*	55.4	274.8	24,300*	60.4	279.6	29,500*	65.2	282.9	35,800*				90
95	48.6	266.3	18,500*	52.4	271.0	21,600*	57.6	276.5	26,600*	62.5	280.3	32,100*				95
100	45.3	261.5	16,400*	49.2	266.8	19,200*	54.7	273.0	24,100*	59.8	277.4	28,800*				100
105	41.8	256.0	14,400*	45.9	262.0	17,200*	51.7	269.1	21,500*	56.9	274.2	26,000*				105
110	37.9	249.8	12,700*	42.4	256.7	15,300*	48.5	264.8	19,200*	54.0	270.6	23,600*	62.2	276.6	25,500	110
115	33.7	242.6	11,200*	38.7	250.6	13,700*	45.1	259.9	17,200*	50.9	266.7	21,300*	59.4	273.7	22,800	115
120	29.0	234.1	10,100*	34.5	243.7	12,300*	41.6	254.4	15,400*	47.7	262.2	19,100*	56.6	270.4	20,300	120
125	23.4	223.5	9,200*	29.9	235.4	11,000*	37.8	248.2	13,800*	44.3	257.2	17,100*	53.6	266.8	18,000	125
130	15.8	208.6	7,300*	24.5	225.2	9,900*	33.5	240.9	12,400*	40.7	251.5	15,300*	50.5	262.8	15,900	130
135				17.5	211.5	8,900*	28.8	232.3	11,100*	36.8	245.1	13,700*	47.3	258.3	14,000	135
140							23.1	221.5	9,900*	32.4	237.5	11,600*	43.9	253.2	12,200	140
145							15.4	206.3	7,900*	27.5	228.5	9,600*	40.3	247.5	10,500	145
150										21.5	217.0	7,700*	36.3	240.9	9,000	150
155										12.8	199.7	5,900*	31.9	233.2	7,300*	155
160													26.9	223.9	5,600*	160
165													20.7	212.0	4,000*	165



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



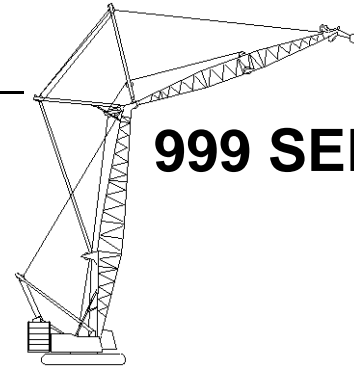
999 SERIES 3

170 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	75.0	302.6	46,700*										50
55	72.7	301.1	43,600*										55
60	70.3	299.3	39,400*	73.1	301.0	46,000*							60
65	67.9	297.3	34,900*	70.8	299.3	40,500*							65
70	65.5	295.0	31,100*	68.4	297.3	35,900*							70
75	63.0	292.5	27,700*	66.0	295.1	31,900*	70.2	297.9	39,500*				75
80	60.5	289.7	24,900*	63.5	292.6	28,500*	67.8	295.8	35,000*				80
85	57.9	286.7	22,300*	61.0	289.9	25,500*	65.4	293.6	31,200*				85
90	55.2	283.2	20,100*	58.4	286.9	22,900*	62.9	291.1	27,900*	67.2	293.9	34,000*	90
95	52.5	279.5	18,100*	55.7	283.5	20,600*	60.4	288.3	25,000*	64.8	291.6	30,300*	95
100	49.6	275.3	16,400*	53.0	279.8	18,600*	57.8	285.1	22,400*	62.3	289.0	27,200*	100
105	46.6	270.6	14,700*	50.1	275.7	16,800*	55.1	281.7	20,200*	59.8	286.1	24,400*	105
110	43.4	265.5	12,900*	47.1	271.1	15,100*	52.3	277.9	18,300*	57.2	282.9	21,900*	110
115	40.0	259.7	11,300*	44.0	266.1	13,700*	49.5	273.7	16,500*	54.4	279.4	19,800*	115
120	36.4	253.1	10,000*	40.6	260.4	12,100*	46.4	269.1	14,900*	51.6	275.5	17,900*	120
125	32.3	245.5	8,900*	37.1	254.0	10,700*	43.2	263.9	13,500*	48.7	271.2	16,200*	125
130	27.8	236.5	7,900*	33.1	246.6	9,400*	39.8	258.0	12,200*	45.7	266.4	14,600*	130
135	22.4	225.4	5,900*	28.7	237.9	8,300*	36.2	251.4	10,800*	42.4	261.1	13,200*	135
140				23.5	227.3	7,300*	32.1	243.8	9,500*	39.0	255.1	11,800*	140
145				16.8	212.9	5,400*	27.6	234.7	8,300*	35.2	248.2	9,800*	145
150							22.1	223.4	6,500*	31.1	240.3	8,000*	150
155							14.8	207.6	4,700*	26.3	230.8	6,200*	155
160										20.6	218.7	4,600*	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

180 Ft. Boom, 70 Ft. Jib

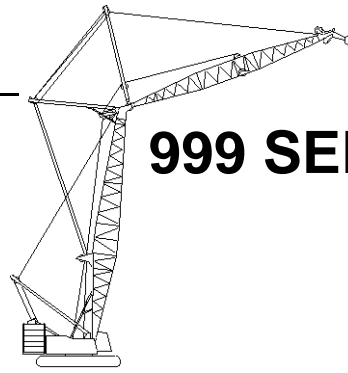
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	53.5	218.5	35,100*b																40
45	43.3	213.6	27,600*	55.8	219.1	38,100*b													45
50	30.2	206.1	22,500*	46.0	214.6	29,600*													50
55				34.0	207.9	23,900*	54.6	217.6	37,600*b										55
60							44.7	212.9	29,300*										60
65							32.2	205.8	23,600*	53.3	215.5	37,000*							65
70										43.1	210.6	28,900*							70
75										30.0	203.0	23,300*							75
80													53.9	212.2	38,800*b				80
85													43.8	207.3	29,900*				85
90													30.9	200.0	24,100*				90
95																53.7	207.2	39,800*	95
100																43.6	202.3	30,500*	100
105																30.7	194.9	24,500*	105

180 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	62.3	222.0	39,300*b																35
40	53.5	218.5	29,300*																40
45	43.3	213.6	22,900*	55.8	219.1	31,800*													45
50	30.2	206.1	18,500*	46.0	214.6	24,600*													50
55				34.0	207.9	19,700*	54.6	217.6	31,300*										55
60							44.7	212.9	24,300*	62.2	219.1	42,000*b							60
65							32.2	205.8	19,400*	53.3	215.5	30,700*							65
70										43.1	210.6	23,800*							70
75										30.0	203.0	19,100*	62.7	215.7	44,800*b				75
80													53.9	212.2	32,100*				80
85													43.8	207.3	24,700*				85
90													30.9	200.0	19,800*				90
95																53.7	207.2	32,900*	95
100																43.6	202.3	25,200*	100
105																30.7	194.9	20,100*	105



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

180 Ft. Boom, 90 Ft. Jib

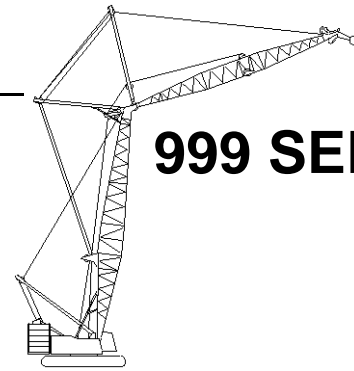
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	62.3	222.0	34,800*b																35
40	53.5	218.5	25,700*	64.4	222.4	38,700*b													40
45	43.3	213.6	20,000*	55.8	219.1	28,000*													45
50	30.2	206.1	16,000*	46.0	214.6	21,500*	63.4	221.0	38,000*b										50
55				34.0	207.9	17,100*	54.6	217.6	27,600*										55
60							44.7	212.9	21,200*	62.2	219.1	37,000*b							60
65							32.2	205.8	16,900*	53.3	215.5	27,000*							65
70										43.1	210.6	20,800*							70
75										30.0	203.0	16,600*	62.7	215.7	39,400*				75
80													53.9	212.2	28,200*				80
85													43.8	207.3	21,600*				85
90													30.9	200.0	17,200*				90
95																53.7	207.2	28,800*	95
100																43.6	202.3	22,000*	100
105																30.7	194.9	17,400*	105

180 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	68.3	233.3	50,800*b																35
40	61.8	230.7	37,500*	69.9	233.4	56,900*b													40
45	54.9	227.3	29,300*	63.5	231.0	40,900*													45
50	47.2	222.9	23,600*	56.7	227.8	31,400*	69.1	232.1	56,000*b										50
55	38.2	217.0	19,400*	49.2	223.7	25,100*	62.7	229.6	40,400*										55
60	26.6	208.3	16,200*	40.6	218.3	20,600*	55.8	226.4	31,100*										60
65				30.0	210.5	17,100*	48.2	222.1	24,800*	61.8	227.7	39,600*							65
70							39.5	216.4	20,400*	54.8	224.3	30,600*							70
75							28.4	208.2	17,000*	47.1	219.9	24,500*							75
80										38.1	214.0	20,100*	62.1	224.3	41,600*				80
85										26.5	205.2	16,800*	55.2	221.0	31,800*				85
90													47.5	216.6	25,300*				90
95													38.7	210.8	20,700*				95
100													27.3	202.3	17,200*	55.1	216.0	32,400*	100
105																47.4	211.6	25,800*	105
110																38.5	205.7	21,000*	110
115																27.1	197.2	17,500*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

180 Ft. Boom, 110 Ft. Jib

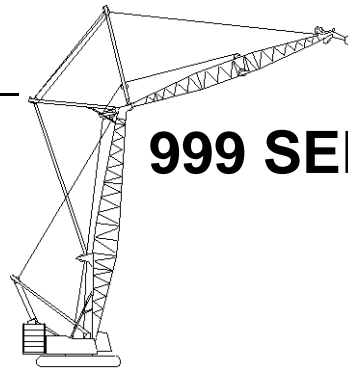
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	62.3	222.0	32,100*																35
40	53.5	218.5	24,000*	64.4	222.4	35,500*													40
45	43.3	213.6	18,800*	55.8	219.1	26,000*													45
50	30.2	206.1	15,200*	46.0	214.6	20,100*	63.4	221.0	34,600*										50
55				34.0	207.9	16,100*	54.6	217.6	25,400*										55
60							44.7	212.9	19,700*	62.2	219.1	33,500*							60
65							32.2	205.8	15,900*	53.3	215.5	24,800*							65
70										43.1	210.6	19,300*							70
75										30.0	203.0	15,500*	62.7	215.7	35,000*				75
80													53.9	212.2	25,600*				80
85													43.8	207.3	19,900*				85
90													30.9	200.0	16,000*				90
95																53.7	207.2	26,000*	95
100																43.6	202.3	20,100*	100
105																30.7	194.9	16,100*	105

180 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	68.3	233.3	44,900*																35
40	61.8	230.7	33,300*	69.9	233.4	49,800*													40
45	54.9	227.3	26,000*	63.5	231.0	36,100*													45
50	47.2	222.9	20,900*	56.7	227.8	27,800*	69.1	232.1	48,500*										50
55	38.2	217.0	17,200*	49.2	223.7	22,300*	62.7	229.6	35,400*										55
60	26.6	208.3	14,400*	40.6	218.3	18,200*	55.8	226.4	27,400*										60
65				30.0	210.5	15,200*	48.2	222.1	21,900*	61.8	227.7	34,500*							65
70							39.5	216.4	18,000*	54.8	224.3	26,800*							70
75							28.4	208.2	15,000*	47.1	219.9	21,500*							75
80										38.1	214.0	17,700*	62.1	224.3	35,800*				80
85										26.5	205.2	14,800*	55.2	221.0	27,600*				85
90													47.5	216.6	22,100*				90
95													38.7	210.8	18,100*				95
100													27.3	202.3	15,100*	55.1	216.0	28,000*	100
105																47.4	211.6	22,400*	105
110																38.5	205.7	18,300*	110
115																27.1	197.2	15,300*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

180 Ft. Boom, 130 Ft. Jib

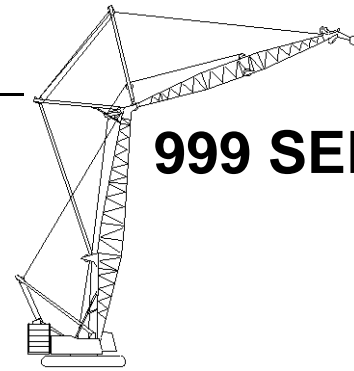
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	72.1	244.1	57,200*																35
40	66.9	242.0	42,400*	73.4	244.1	59,000*													40
45	61.5	239.3	33,100*	68.3	242.2	46,000*													45
50	55.8	236.1	26,700*	62.9	239.7	35,500*													50
55	49.5	231.9	22,000*	57.3	236.6	28,400*	67.6	240.9	45,100*										55
60	42.6	226.8	18,500*	51.2	232.7	23,300*	62.2	238.3	34,900*										60
65	34.6	220.0	15,700*	44.5	227.8	19,500*	56.5	235.1	28,000*	66.9	239.0	43,900*							65
70	24.1	210.3	13,400*	36.8	221.5	16,500*	50.4	231.1	23,000*	61.5	236.4	34,200*							70
75				27.1	212.8	14,100*	43.6	226.1	19,300*	55.7	233.1	27,500*							75
80							35.7	219.6	16,300*	49.5	229.0	22,700*							80
85							25.6	210.4	14,000*	42.5	223.8	19,000*	61.8	233.0	35,300*				85
90										34.5	217.0	16,100*	56.0	229.7	28,300*				90
95										23.9	207.2	13,800*	49.8	225.6	23,300*				95
100													43.0	220.5	19,500*				100
105													35.0	213.9	16,500*	55.9	224.7	28,600*	105
110													24.6	204.4	14,100*	49.7	220.6	23,600*	110
115																42.9	215.5	19,700*	115
120																34.8	208.8	16,700*	120
125																24.4	199.3	14,300*	125

180 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.8	254.6	59,000*																35
40	70.5	252.9	55,500*																40
45	66.0	250.7	43,400*	71.6	252.9	59,000*													45
50	61.3	248.0	35,100*	67.1	250.9	46,500*													50
55	56.4	244.8	29,000*	62.5	248.3	37,300*	71.0	251.7	58,800*										55
60	51.2	240.9	24,400*	57.7	245.2	30,700*	66.5	249.6	45,700*										60
65	45.5	236.1	20,800*	52.5	241.5	25,700*	61.9	246.9	36,800*										65
70	39.2	230.3	17,900*	47.0	237.0	21,800*	57.0	243.8	30,400*	65.9	247.7	44,800*							70
75	31.8	222.8	15,500*	40.9	231.5	18,700*	51.9	240.0	25,500*	61.2	245.0	36,200*							75
80	22.1	212.2	13,500*	33.8	224.5	16,200*	46.3	235.4	21,700*	56.3	241.8	29,900*							80
85				24.9	215.0	14,100*	40.0	229.7	18,600*	51.1	237.9	25,200*							85
90							32.8	222.5	16,100*	45.4	233.1	21,400*	61.5	241.6	37,200*				90
95							23.6	212.4	14,000*				56.6	238.4	30,700*				95
100													51.4	234.5	25,800*				100
105													45.8	229.8	22,000*				105
110													39.5	224.1	18,900*	56.5	233.4	27,000	110
115													32.2	216.7	16,400*	51.3	229.6	24,400	115
120													22.6	206.3	14,200*	45.7	224.9	22,000	120
125																39.4	219.1	19,100*	125
130																32.0	211.6	16,600*	130
135																22.4	201.1	14,400*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

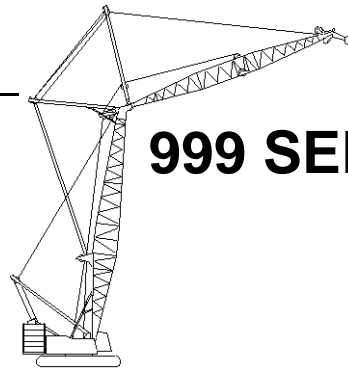
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

180 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.0	263.5	59,000*																40
45	69.2	261.6	52,500*	74.0	263.5	59,000*													45
50	65.2	259.4	42,600*	70.2	261.7	56,100*													50
55	61.1	256.7	35,500*	66.2	259.6	45,300*													55
60	56.9	253.5	30,000*	62.2	257.0	37,500*	69.7	260.5	55,000*										60
65	52.4	249.7	25,700*	58.0	253.9	31,600*	65.7	258.2	44,700*										65
70	47.6	245.3	22,200*	53.5	250.3	27,000*	61.7	255.6	37,100*										70
75	42.3	240.0	19,400*	48.8	246.1	23,300*	57.4	252.5	31,300*	65.2	256.4	43,900*							75
80	36.5	233.6	17,000*	43.7	241.0	20,300*	53.0	248.8	26,800*	61.1	253.7	36,600*							80
85	29.6	225.4	15,000*	38.0	234.9	17,800*	48.2	244.5	23,200*	56.8	250.5	31,000*							85
90	20.5	213.9	13,300*	31.4	227.3	15,600*	43.0	239.3	20,200*	52.3	246.7	26,600*							90
95				23.2	216.9	13,800*	37.3	233.0	17,700*	47.5	242.3	23,000*	61.3	250.3	37,500*				95
100							30.5	225.1	15,600*	42.3	237.0	20,100*	57.1	247.1	31,800*				100
105							21.9	214.3	13,800*	36.4	230.5	17,600*	52.6	243.4	27,200*				105
110										29.5	222.3	15,600*	47.8	239.0	23,600*				110
115										20.4	210.8	13,800*	42.6	233.7	20,600*	57.0	242.1	24,800	115
120													36.7	227.4	18,100*	52.5	238.4	22,500	120
125													29.9	219.3	16,000*	47.7	234.0	20,400	125
130													21.0	208.0	14,100*	42.5	228.7	18,400	130
135																36.6	222.3	16,600	135
140																29.8	214.2	14,800	140
145																20.9	202.9	13,200	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

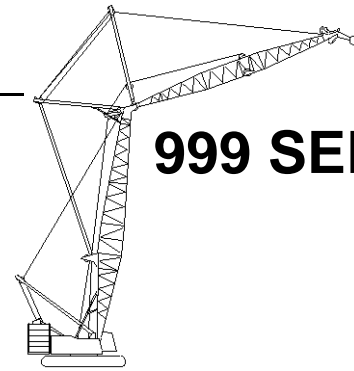
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

180 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.0	274.0	59,000*																40
45	71.6	272.3	59,000*																45
50	68.2	270.4	52,900*	72.5	272.4	59,000*													50
55	64.6	268.0	44,800*	69.0	270.5	56,300*													55
60	61.0	265.3	38,600*	65.5	268.3	47,300*													60
65	57.2	262.2	33,300*	61.9	265.6	40,600*	68.6	269.2	56,100*										65
70	53.3	258.5	28,900*	58.2	262.6	35,000*	65.1	266.9	47,200*										70
75	49.1	254.3	25,300*	54.3	259.1	30,300*	61.5	264.3	40,500*										75
80	44.6	249.4	22,300*	50.2	255.0	26,500*	57.7	261.2	34,800*	64.6	265.1	47,000*							80
85	39.7	243.6	19,700*	45.8	250.3	23,300*	53.8	257.6	30,200*	61.0	262.3	40,100*							85
90	34.2	236.6	17,600*	41.0	244.7	20,600*	49.6	253.4	26,500*	57.2	259.2	34,500*							90
95	27.7	227.8	15,700*	35.7	238.1	18,300*	45.2	248.6	23,300*	53.2	255.5	30,100*							95
100	19.3	215.5	14,100*	29.5	229.9	16,300*	40.4	243.0	20,600*	49.0	251.3	26,300*	61.2	258.9	36,600				100
105				21.7	218.8	14,600*	35.0	236.1	18,400*	44.5	246.4	23,300*	57.4	255.8	33,300				105
110							28.7	227.6	16,400*	39.6	240.6	20,600*	53.5	252.2	30,400				110
115							20.5	216.0	14,700*	34.1	233.6	18,300*	49.3	248.0	27,000*				115
120										27.7	224.7	16,400*	44.8	243.1	23,900*	57.3	250.8	22,200	120
125										19.1	212.4	14,700*	39.9	237.3	21,200*	53.4	247.2	20,200	125
130													34.5	230.4	18,900*	49.2	243.0	18,200	130
135													28.1	221.7	16,800*	44.7	238.1	16,500	135
140													19.7	209.7	15,100*	39.9	232.3	14,800	140
145																34.4	225.4	13,300	145
150																28.0	216.7	11,800	150
155																19.6	204.5	10,400	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

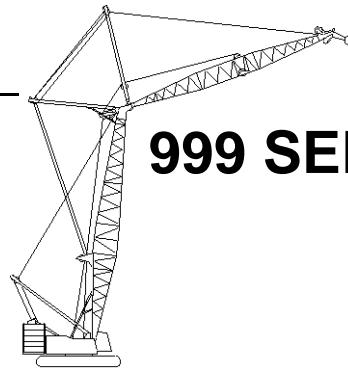
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The Scope of ANSI B30.5

180 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.0	263.5	59,000*																40
45	69.2	261.6	48,400*	74.0	263.5	59,000*													45
50	65.2	259.4	39,400*	70.2	261.7	51,700*													50
55	61.1	256.7	32,700*	66.2	259.6	41,800*													55
60	56.9	253.5	27,600*	62.2	257.0	34,600*	69.7	260.5	50,800*										60
65	52.4	249.7	23,700*	58.0	253.9	29,100*	65.7	258.2	41,200*										65
70	47.6	245.3	20,400*	53.5	250.3	24,900*	61.7	255.6	34,300*										70
75	42.3	240.0	17,800*	48.8	246.1	21,400*	57.4	252.5	28,900*	65.2	256.4	40,500*							75
80	36.5	233.6	15,600*	43.7	241.0	18,600*	53.0	248.8	24,700*	61.1	253.7	33,800*							80
85	29.6	225.4	13,700*	38.0	234.9	16,300*	48.2	244.5	21,400*	56.8	250.5	28,600*							85
90	20.5	213.9	12,200*	31.4	227.3	14,400*	43.0	239.3	18,600*	52.3	246.7	24,500*							90
95				23.2	216.9	12,700*	37.3	233.0	16,300*	47.5	242.3	21,200*	61.3	250.3	34,600*				95
100							30.5	225.1	14,400*	42.3	237.0	18,500*	57.1	247.1	29,300*				100
105							21.9	214.3	12,700*	36.4	230.5	16,200*	52.6	243.4	25,200*				105
110										29.5	222.3	14,300*	47.8	239.0	21,800*				110
115										20.4	210.8	12,700*	42.6	233.7	19,000*	57.0	242.1	21,800	115
120													36.7	227.4	16,700*	52.5	238.4	19,400	120
125													29.9	219.3	14,700*	47.7	234.0	17,200	125
130													21.0	208.0	13,000*	42.5	228.7	15,100	130
135																36.6	222.3	13,200	135
140																29.8	214.2	11,400	140
145																20.9	202.9	9,700	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

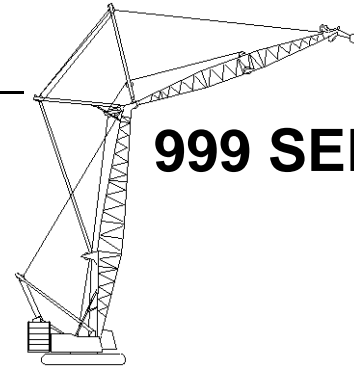
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

180 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.0	274.0	59,000*																40
45	71.6	272.3	59,000*																45
50	68.2	270.4	50,100*	72.5	272.4	59,000*													50
55	64.6	268.0	41,800*	69.0	270.5	53,000*													55
60	61.0	265.3	35,500*	65.5	268.3	44,100*													60
65	57.2	262.2	30,400*	61.9	265.6	37,300*	68.6	269.2	52,200*										65
70	53.3	258.5	26,400*	58.2	262.6	32,000*	65.1	266.9	43,700*										70
75	49.1	254.3	23,100*	54.3	259.1	27,700*	61.5	264.3	37,100*										75
80	44.6	249.4	20,300*	50.2	255.0	24,200*	57.7	261.2	31,900*	64.6	265.1	43,000*							80
85	39.7	243.6	17,900*	45.8	250.3	21,200*	53.8	257.6	27,600*	61.0	262.3	36,700*							85
90	34.2	236.6	15,900*	41.0	244.7	18,700*	49.6	253.4	24,200*	57.2	259.2	31,600*							90
95	27.7	227.8	14,200*	35.7	238.1	16,600*	45.2	248.6	21,200*	53.2	255.5	27,500*							95
100	19.3	215.5	12,700*	29.5	229.9	14,800*	40.4	243.0	18,800*	49.0	251.3	24,100*	61.2	258.9	33,500				100
105				21.7	218.8	13,200*	35.0	236.1	16,700*	44.5	246.4	21,200*	57.4	255.8	30,200				105
110							28.7	227.6	14,900*	39.6	240.6	18,800*	53.5	252.2	27,200				110
115							20.5	216.0	13,300*	34.1	233.6	16,700*	49.3	248.0	24,400				115
120										27.7	224.7	14,900*	44.8	243.1	21,800*	57.3	250.8	19,300	120
125										19.1	212.4	13,300*	39.9	237.3	19,300*	53.4	247.2	17,200	125
130													34.5	230.4	17,200*	49.2	243.0	15,200	130
135													28.1	221.7	15,300*	44.7	238.1	13,300	135
140													19.7	209.7	13,600	39.9	232.3	11,600	140
145																34.4	225.4	10,000	145
150																28.0	216.7	8,500	150
155																19.6	204.5	7,000	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

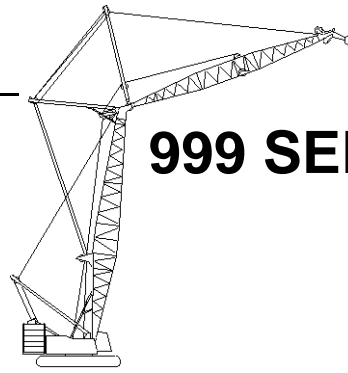
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

180 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.0	263.5	56,900*																40
45	69.2	261.6	44,800*	74.0	263.5	59,000*													45
50	65.2	259.4	36,400*	70.2	261.7	47,900*													50
55	61.1	256.7	30,200*	66.2	259.6	38,700*													55
60	56.9	253.5	25,500*	62.2	257.0	32,000*	69.7	260.5	47,100*										60
65	52.4	249.7	21,800*	58.0	253.9	26,900*	65.7	258.2	38,200*										65
70	47.6	245.3	18,800*	53.5	250.3	22,900*	61.7	255.6	31,700*										70
75	42.3	240.0	16,300*	48.8	246.1	19,700*	57.4	252.5	26,700*	65.2	256.4	37,500*							75
80	36.5	233.6	14,300*	43.7	241.0	17,100*	53.0	248.8	22,800*	61.1	253.7	31,300*							80
85	29.6	225.4	12,600*	38.0	234.9	15,000*	48.2	244.5	19,700*	56.8	250.5	26,500*							85
90	20.5	213.9	11,100*	31.4	227.3	13,200*	43.0	239.3	17,100*	52.3	246.7	22,700*							90
95				23.2	216.9	11,600*	37.3	233.0	15,000*	47.5	242.3	19,600*	61.3	250.3	32,100*				95
100							30.5	225.1	13,200*	42.3	237.0	17,100*	57.1	247.1	27,200*				100
105							21.9	214.3	11,600*	36.4	230.5	15,000*	52.6	243.4	23,300*				105
110										29.5	222.3	13,200*	47.8	239.0	20,100*				110
115										20.4	210.8	11,600*	42.6	233.7	17,600*	57.0	242.1	19,100	115
120													36.7	227.4	15,400*	52.5	238.4	16,600	120
125													29.9	219.3	13,500*	47.7	234.0	14,300	125
130													21.0	208.0	12,000*	42.5	228.7	12,100	130
135																36.6	222.3	10,100	135
140																29.8	214.2	8,300	140
145																20.9	202.9	6,500	145



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

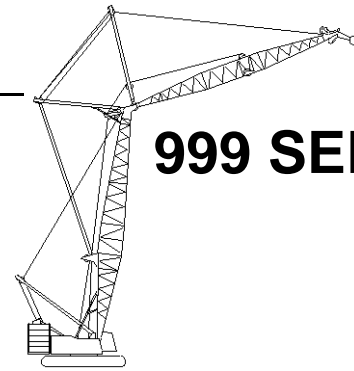
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

180 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.0	274.0	59,000*																40
45	71.6	272.3	56,300*																45
50	68.2	270.4	46,100*	72.5	272.4	59,000*													50
55	64.6	268.0	38,400*	69.0	270.5	48,800*													55
60	61.0	265.3	32,500*	65.5	268.3	40,600*													60
65	57.2	262.2	27,900*	61.9	265.6	34,300*	68.6	269.2	48,100*										65
70	53.3	258.5	24,200*	58.2	262.6	29,400*	65.1	266.9	40,200*										70
75	49.1	254.3	21,100*	54.3	259.1	25,400*	61.5	264.3	34,100*										75
80	44.6	249.4	18,500*	50.2	255.0	22,100*	57.7	261.2	29,300*	64.6	265.1	39,600*							80
85	39.7	243.6	16,300*	45.8	250.3	19,400*	53.8	257.6	25,400*	61.0	262.3	33,700*							85
90	34.2	236.6	14,500*	41.0	244.7	17,100*	49.6	253.4	22,200*	57.2	259.2	29,100*							90
95	27.7	227.8	12,900*	35.7	238.1	15,200*	45.2	248.6	19,500*	53.2	255.5	25,200*							95
100	19.3	215.5	11,600*	29.5	229.9	13,500*	40.4	243.0	17,200*	49.0	251.3	22,100*	61.2	258.9	30,700				100
105				21.7	218.8	12,000*	35.0	236.1	15,200*	44.5	246.4	19,500*	57.4	255.8	27,300				105
110							28.7	227.6	13,600*	39.6	240.6	17,200*	53.5	252.2	24,200				110
115							20.5	216.0	12,100*	34.1	233.6	15,300*	49.3	248.0	21,400				115
120										27.7	224.7	13,600*	44.8	243.1	18,800	57.3	250.8	16,700	120
125										19.1	212.4	12,200*	39.9	237.3	16,500	53.4	247.2	14,400	125
130													34.5	230.4	14,300	49.2	243.0	12,400	130
135													28.1	221.7	12,200	44.7	238.1	10,500	135
140													19.7	209.7	10,300	39.9	232.3	8,700	140
145																34.4	225.4	7,000	145
150																28.0	216.7	5,400	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

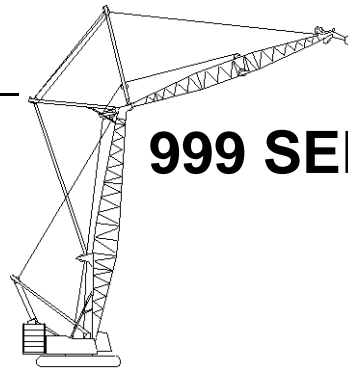
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

180 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.5	282.9	57,400*													45
50	70.5	281.1	52,500*													50
55	67.4	279.1	44,800*	71.3	281.2	54,800*										55
60	64.2	276.7	38,200*	68.2	279.2	47,100*										60
65	60.9	274.0	32,900*	65.0	276.9	40,100*	70.9	280.0	54,000*							65
70	57.5	270.8	28,600*	61.7	274.3	34,500*	67.8	277.9	46,600*							70
75	54.0	267.3	25,000*	58.4	271.3	30,000*	64.6	275.6	39,800*							75
80	50.3	263.2	22,000*	54.9	267.8	26,200*	61.3	272.9	34,400*	67.3	276.1	45,700*				80
85	46.3	258.6	19,500*	51.2	263.9	23,100*	58.0	269.8	30,000*	64.1	273.7	39,300*				85
90	42.1	253.2	17,300*	47.4	259.4	20,400*	54.4	266.3	26,300*	60.9	271.0	34,100*				90
95	37.5	246.9	15,400*	43.2	254.2	18,200*	50.8	262.3	23,200*	57.5	267.9	29,800*				95
100	32.3	239.5	13,800*	38.7	248.2	16,200*	46.9	257.8	20,600*	53.9	264.3	26,200*				100
105	26.2	230.1	12,400*	33.7	241.1	14,500*	42.7	252.5	18,300*	50.2	260.2	23,200*	61.1	267.6	27,600	105
110	18.2	217.0	11,200*	27.9	232.3	13,000*	38.1	246.4	16,400*	46.3	255.6	20,600*	57.7	264.5	24,600	110
115				20.5	220.5	11,700*	33.0	239.1	14,700*	42.1	250.2	18,400*	54.1	260.9	21,800	115
120							27.1	230.0	13,200*	37.5	243.9	16,400*	50.5	256.9	19,300	120
125							19.4	217.6	11,900*	32.3	236.4	14,700*	46.5	252.3	17,000	125
130										26.1	227.0	13,300*	42.3	246.9	14,800	130
135										18.1	213.9	11,600*	37.7	240.7	12,900	135
140													32.6	233.3	11,000	140
145													26.5	224.0	9,200*	145
150													18.6	211.3	7,100*	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

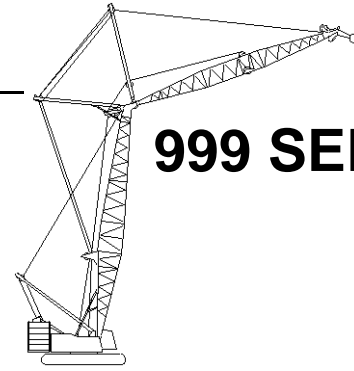
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

180 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.1	293.3	53,100*													45
50	72.3	291.8	50,200*													50
55	69.5	289.9	43,800*	73.0	291.8	53,000*										55
60	66.7	287.8	38,200*	70.3	290.0	45,600*										60
65	63.8	285.4	33,600*	67.4	288.0	39,700*										65
70	60.8	282.6	29,800*	64.5	285.6	34,800*	69.9	288.7	45,000*							70
75	57.7	279.5	25,900*	61.6	283.0	30,800*	67.1	286.7	39,200*							75
80	54.6	276.0	22,600*	58.5	279.9	27,200*	64.2	284.3	34,500*							80
85	51.2	272.1	19,800*	55.4	276.6	23,800*	61.2	281.6	30,500*	66.7	284.8	38,500*				85
90	47.7	267.6	17,500*	52.1	272.7	20,900*	58.1	278.5	27,100*	63.8	282.4	33,900*				90
95	44.0	262.6	15,400*	48.6	268.4	18,400*	55.0	275.1	23,900*	60.8	279.7	30,100*				95
100	40.0	256.8	13,600*	45.0	263.5	16,200*	51.7	271.2	21,000*	57.7	276.6	26,800*				100
105	35.7	250.1	12,000*	41.1	258.0	14,300*	48.2	266.8	18,500*	54.5	273.1	23,800*				105
110	30.7	242.2	10,600*	36.8	251.5	12,700*	44.5	261.9	16,400*	51.2	269.1	21,000*	61.0	276.2	24,500	110
115	24.9	232.2	9,400*	32.1	243.9	11,200*	40.6	256.2	14,500*	47.7	264.7	18,600*	57.9	273.2	21,800	115
120	17.3	218.5	8,400*	26.5	234.6	9,900*	36.2	249.6	12,800*	44.0	259.6	16,500*	54.7	269.7	19,300	120
125				19.5	222.2	8,800*	31.4	241.8	11,400*	40.0	253.8	14,600*	51.4	265.8	17,100	125
130							25.7	232.2	10,100*	35.6	247.1	12,900*	47.9	261.3	15,000	130
135							18.4	219.2	9,000*	30.7	239.1	11,500*	44.2	256.3	13,100	135
140										24.9	229.2	10,000*	40.2	250.6	11,300	140
145										17.2	215.3	8,000*	35.9	243.9	9,500*	145
150													31.0	236.0	7,600*	150
155													25.2	226.2	5,800*	155
160													17.7	212.7	4,000*	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

180 Ft. Boom, 230 Ft. Jib

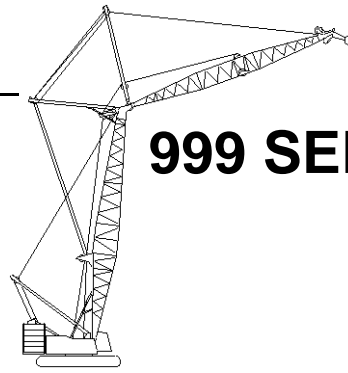
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	73.9	302.3	46,800*										50
55	71.3	300.6	43,200*	74.5	302.2	51,500*							55
60	68.8	298.7	39,500*	72.0	300.6	48,700*							60
65	66.2	296.5	35,800*	69.4	298.8	43,300*							65
70	63.5	294.0	32,200*	66.8	296.7	38,400*							70
75	60.8	291.3	28,700*	64.2	294.3	34,200*	69.1	297.5	42,800*				75
80	57.9	288.2	25,500*	61.5	291.6	30,700*	66.5	295.4	38,000*				80
85	55.0	284.8	22,500*	58.7	288.6	27,600*	63.8	293.0	33,900*				85
90	52.0	280.9	19,800*	55.8	285.3	24,700*	61.1	290.2	30,400*	66.1	293.5	37,400*	90
95	48.9	276.6	17,400*	52.8	281.5	21,900*	58.3	287.2	27,400*	63.5	291.1	33,400*	95
100	45.5	271.8	15,200*	49.7	277.4	19,500*	55.4	283.8	24,800*	60.7	288.3	30,000*	100
105	42.0	266.4	13,400*	46.4	272.7	17,400*	52.4	280.0	22,100*	57.9	285.2	27,100*	105
110	38.2	260.3	11,400*	42.9	267.5	15,500*	49.3	275.8	19,700*	55.0	281.8	24,500*	110
115	34.0	253.2	10,400*	39.2	261.5	13,900*	46.0	271.1	17,600*	52.0	277.9	22,200*	115
120	29.4	244.7	9,300*	35.1	254.7	12,400*	42.5	265.7	15,800*	48.8	273.7	19,800*	120
125	23.8	234.3	8,400*	30.6	246.6	11,100*	38.7	259.7	14,100*	45.5	268.8	17,700*	125
130	16.5	219.9	6,700*	25.3	236.8	10,000*	34.6	252.7	12,700*	42.0	263.4	15,200*	130
135				18.6	223.7	8,600*	30.0	244.5	11,300*	38.2	257.3	13,000*	135
140							24.6	234.4	9,200*	34.0	250.1	10,800*	140
145							17.6	220.7	7,300*	29.3	241.7	8,900*	145
150										23.7	231.2	7,000*	150
155										16.4	216.7	5,200*	155



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



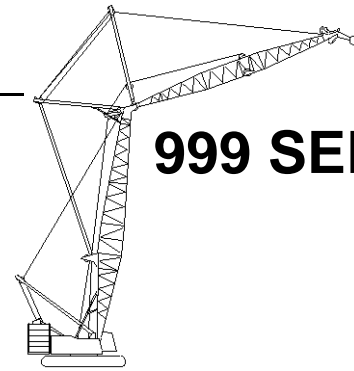
999 SERIES 3

180 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	75.1	312.7	43,200*										50
55	72.8	311.2	40,400*										55
60	70.5	309.4	37,300*	73.4	311.2	45,000*							60
65	68.1	307.4	34,200*	71.1	309.5	41,200*							65
70	65.7	305.2	31,100*	68.7	307.6	36,500*							70
75	63.2	302.7	28,000*	66.3	305.4	32,400*	70.8	308.2	40,600*				75
80	60.7	299.9	25,100*	63.9	303.0	29,000*	68.4	306.3	36,100*				80
85	58.1	296.9	22,400*	61.3	300.3	25,900*	66.0	304.1	32,100*				85
90	55.4	293.5	19,900*	58.8	297.3	23,300*	63.5	301.6	28,700*				90
95	52.7	289.7	17,500*	56.1	294.0	21,000*	61.0	298.9	25,700*	65.7	302.2	31,600*	95
100	49.8	285.6	15,400*	53.4	290.3	18,900*	58.4	295.9	23,100*	63.2	299.7	28,300*	100
105	46.8	281.0	13,600*	50.5	286.3	17,100*	55.8	292.5	20,800*	60.7	297.0	25,400*	105
110	43.6	275.8	11,900*	47.6	281.8	15,400*	53.0	288.8	18,800*	58.1	293.9	22,800*	110
115	40.3	270.1	10,400*	44.4	276.8	13,900*	50.2	284.7	17,000*	55.4	290.5	20,600*	115
120	36.6	263.6	9,200*	41.1	271.2	12,300*	47.2	280.2	15,300*	52.6	286.7	18,600*	120
125	32.6	256.1	7,700*	37.6	264.9	10,800*	44.0	275.1	13,900*	49.8	282.6	16,800*	125
130	28.1	247.2	7,200*	33.7	257.7	9,600*	40.7	269.4	12,500*	46.8	278.0	15,200*	130
135	22.8	236.3	5,300*	29.3	249.2	8,400*	37.1	263.0	11,100*	43.6	272.8	13,100*	135
140				24.3	238.9	7,100*	33.2	255.7	9,500*	40.2	267.1	11,000*	140
145				17.8	225.2	5,300*	28.7	247.0	7,600*	36.6	260.6	9,000*	145
150							23.6	236.4	5,800*	32.6	253.0	7,200*	150
155							16.9	222.1	4,100*	28.1	244.2	5,500*	155



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

190 Ft. Boom, 70 Ft. Jib

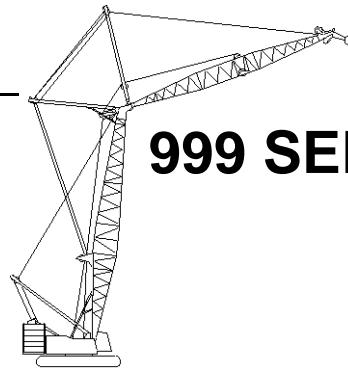
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	54.1	228.8	36,000* ^b																40
45	44.1	224.0	28,300*																45
50	31.3	216.7	22,900*	47.5	225.3	30,900*													50
55				35.9	219.0	24,800*													55
60				18.0	207.7	20,400*	47.3	224.1	31,400*										60
65							35.6	217.8	25,100*	56.5	226.7	41,700* ^b							65
70							17.4	206.3	20,700*	46.9	222.3	31,700*							70
75										35.1	215.9	25,300*							75
85													49.2	219.7	34,700*				85
90													38.1	213.9	27,300*				90
95													22.2	204.1	22,200*				95
100																50.7	215.2	37,400*	100
105																40.0	209.7	29,000*	105
110																25.3	200.9	23,400*	110

190 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	54.1	228.8	30,000*																40
45	44.1	224.0	23,400*	57.1	229.6	33,500*													45
50	31.3	216.7	18,900*	47.5	225.3	25,600*													50
55				35.9	219.0	20,400*	56.9	228.5	34,100*										55
60				18.0	207.7	16,700*	47.3	224.1	26,100*										60
65							35.6	217.8	20,800*	56.5	226.7	34,600*							65
70							17.4	206.3	16,900*	46.9	222.3	26,300*							70
75										35.1	215.9	20,800*							75
80													58.6	223.8	38,800* ^b				80
85													49.2	219.7	28,700*				85
90													38.1	213.9	22,500*				90
95													22.2	204.1	18,200*				95
100																50.7	215.2	30,800*	100
105																40.0	209.7	23,800*	105
110																25.3	200.9	19,100*	110



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

190 Ft. Boom, 90 Ft. Jib

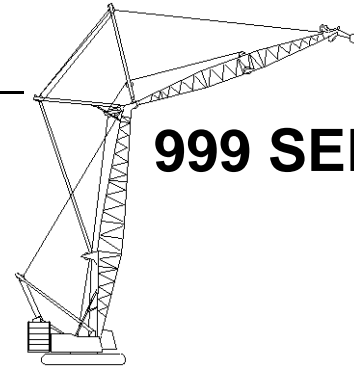
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	62.9	232.2	36,000*b																35
40	54.1	228.8	26,400*																40
45	44.1	224.0	20,500*	57.1	229.6	29,500*													45
50	31.3	216.7	16,400*	47.5	225.3	22,500*													50
55				35.9	219.0	17,800*	56.9	228.5	30,000*										55
60				18.0	207.7	14,400*	47.3	224.1	22,800*	65.1	229.9	43,400*b							60
65							35.6	217.8	18,100*	56.5	226.7	30,400*							65
70							17.4	206.3	14,600*	46.9	222.3	23,000*							70
75										35.1	215.9	18,100*							75
80													58.6	223.8	34,000*				80
85													49.2	219.7	25,100*				85
90													38.1	213.9	19,600*				90
95													22.2	204.1	15,700*	59.9	219.1	37,300*	95
100																50.7	215.2	27,000*	100
105																40.0	209.7	20,800*	105
110																25.3	200.9	16,600*	110

190 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	68.8	243.4	52,800*b																35
40	62.3	240.9	38,600*																40
45	55.4	237.6	29,900*	64.4	241.4	43,200*													45
50	47.7	233.2	24,100*	57.7	238.3	32,900*													50
55	38.9	227.5	19,800*	50.3	234.3	26,100*	64.3	240.2	44,200*										55
60	27.6	219.1	16,500*	41.9	229.1	21,300*	57.5	237.2	33,400*										60
65				31.7	221.8	17,700*	50.1	233.2	26,400*	64.1	238.6	44,900*							65
70				15.7	208.9	14,900*	41.7	227.9	21,500*	57.3	235.5	33,800*							70
75							31.4	220.5	17,900*	49.8	231.4	26,700*							75
80							15.2	207.4	15,100*	41.4	226.1	21,700*							80
85										31.0	218.6	18,000*	58.9	232.5	37,200*				85
90													51.6	228.7	28,900*				90
95													43.5	223.7	23,300*				95
100													33.6	216.8	19,200*				100
105													19.5	205.6	16,100*	52.7	224.1	30,700*	105
110																44.8	219.3	24,600*	110
115																35.3	212.8	20,200*	115
120																22.2	202.7	16,800*	120



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

190 Ft. Boom, 110 Ft. Jib

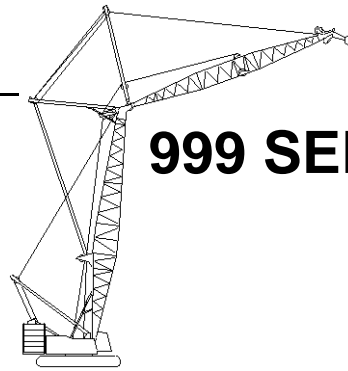
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	62.9	232.2	33,200*																35
40	54.1	228.8	24,600*	65.6	232.7	37,700* ^b													40
45	44.1	224.0	19,200*	57.1	229.6	27,200*													45
50	31.3	216.7	15,400*	47.5	225.3	20,900*	65.4	231.6	38,300*										50
55				35.9	219.0	16,700*	56.9	228.5	27,500*										55
60				18.0	207.7	13,600*	47.3	224.1	21,100*	65.1	229.9	38,600*							60
65							35.6	217.8	16,800*	56.5	226.7	27,600*							65
70							17.4	206.3	13,700*	46.9	222.3	21,200*							70
75										35.1	215.9	16,900*							75
80													58.6	223.8	30,300*				80
85													49.2	219.7	22,900*				85
90													38.1	213.9	18,000*				90
95													22.2	204.1	14,600*				95
100																50.7	215.2	24,200*	100
105																40.0	209.7	18,900*	105
110																25.3	200.9	15,300*	110

190 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	68.8	243.4	46,400*																35
40	62.3	240.9	34,200*	70.8	243.7	53,100* ^b													40
45	55.4	237.6	26,600*	64.4	241.4	38,000*													45
50	47.7	233.2	21,300*	57.7	238.3	29,000*	70.7	242.6	54,000*										50
55	38.9	227.5	17,500*	50.3	234.3	23,100*	64.3	240.2	38,400*										55
60	27.6	219.1	14,600*	41.9	229.1	18,800*	57.5	237.2	29,300*										60
65				31.7	221.8	15,600*	50.1	233.2	23,300*	64.1	238.6	38,700*							65
70				15.7	208.9	13,200*	41.7	227.9	19,000*	57.3	235.5	29,500*							70
75							31.4	220.5	15,700*	49.8	231.4	23,400*							75
80							15.2	207.4	13,300*	41.4	226.1	19,100*							80
85										31.0	218.6	15,800*	58.9	232.5	31,900*				85
90													51.6	228.7	25,000*				90
95													43.5	223.7	20,300*				95
100													33.6	216.8	16,700*				100
105													19.5	205.6	14,000*	52.7	224.1	26,400*	105
110																44.8	219.3	21,200*	110
115																35.3	212.8	17,500*	115
120																22.2	202.7	14,600*	120



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

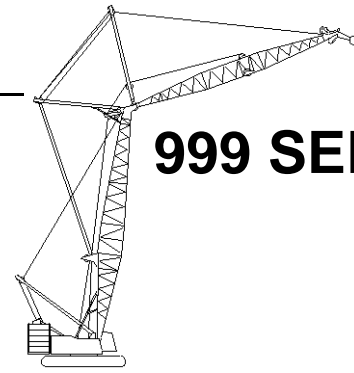
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

190 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	72.5	254.2	59,000*																35
40	67.3	252.1	43,500*																40
45	61.9	249.5	33,800*	69.0	252.4	48,400*													45
50	56.2	246.3	27,200*	63.7	250.0	37,000*													50
55	50.0	242.3	22,400*	58.1	247.0	29,400*	68.9	251.3	48,900*										55
60	43.1	237.2	18,800*	52.1	243.2	24,000*	63.6	248.9	37,400*										60
65	35.2	230.6	15,900*	45.5	238.5	20,000*	57.9	245.9	29,700*										65
70	24.9	221.2	13,600*	37.9	232.5	16,900*	51.9	242.1	24,300*	63.4	247.2	37,500*							70
75				28.7	224.3	14,400*	45.3	237.3	20,200*	57.7	244.1	29,900*							75
80				14.1	210.0	12,400*	37.7	231.3	17,100*	51.7	240.3	24,400*							80
85							28.4	223.0	14,500*	45.1	235.6	20,300*							85
90							13.6	208.4	12,600*	37.4	229.4	17,200*	59.1	241.1	32,000*				90
95										28.0	221.0	14,600*	53.1	237.5	26,000*				95
100													46.6	233.0	21,600*				100
105													39.3	227.2	18,100*				105
110													30.4	219.5	15,400*	54.0	232.9	26,200	110
115													17.5	207.0	13,200*	47.7	228.5	22,500*	115
120																40.5	223.0	18,900*	120
125																31.9	215.6	16,000*	125
130																20.0	204.4	13,700*	130



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

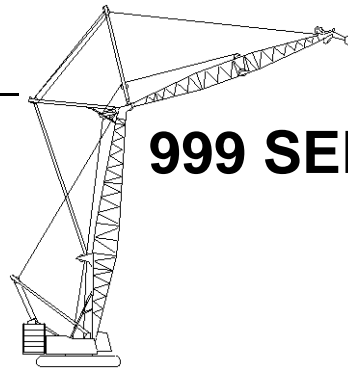
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

190 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	75.1	264.7	59,000*																35
40	70.8	263.0	57,000*																40
45	66.3	260.8	44,400*	72.2	263.2	59,000*													45
50	61.6	258.2	35,700*	67.7	261.2	48,400*													50
55	56.7	255.0	29,500*	63.2	258.7	38,600*													55
60	51.6	251.2	24,700*	58.4	255.7	31,600*	67.6	260.0	48,900*										60
65	45.9	246.5	21,000*	53.3	252.1	26,400*	63.1	257.6	39,000*										65
70	39.7	240.7	18,100*	47.8	247.7	22,400*	58.2	254.5	32,000*	67.5	258.4	49,100*							70
75	32.3	233.4	15,600*	41.8	242.3	19,200*	53.2	250.9	26,700*	62.9	255.9	39,200*							75
80	22.9	223.1	13,600*	34.9	235.6	16,500*	47.7	246.5	22,600*	58.1	252.8	32,200*							80
85				26.3	226.5	14,400*	41.6	241.1	19,400*	53.0	249.2	26,900*							85
90				12.9	211.0	12,600*	34.7	234.3	16,700*	47.5	244.7	22,800*							90
95							26.1	225.2	14,500*	41.4	239.3	19,500*	59.2	249.8	34,200*				95
100							12.4	209.4	12,800*	34.4	232.5	16,900*	54.2	246.3	28,500*				100
105										25.8	223.2	14,600*	48.8	242.0	24,100*				105
110													42.9	236.9	20,600*				110
115													36.1	230.4	17,700*	54.9	241.7	23,500	115
120													28.0	221.9	15,400*	49.6	237.6	21,200	120
125													16.1	208.3	13,400*	43.8	232.6	19,000	125
130																37.2	226.3	17,000	130
135																29.3	218.2	15,100	135
140																18.4	205.9	13,300	140



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

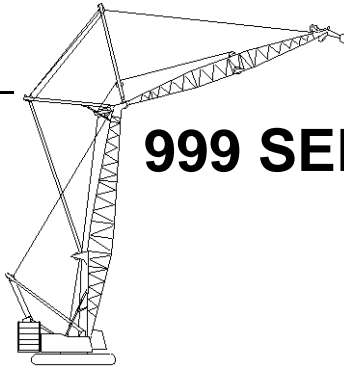
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

190 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	273.6	59,000*																40
45	69.4	271.8	53,600*																45
50	65.5	269.5	43,400*	70.7	272.0	58,300*													50
55	61.4	266.9	36,000*	66.8	269.9	46,800*													55
60	57.2	263.7	30,400*	62.8	267.3	38,600*	70.6	270.9	58,600*										60
65	52.7	260.0	26,000*	58.6	264.4	32,400*	66.7	268.7	47,300*										65
70	47.9	255.6	22,500*	54.2	260.8	27,600*	62.7	266.2	39,000*										70
75	42.7	250.4	19,600*	49.5	256.7	23,800*	58.5	263.2	32,800*	66.6	267.1	47,400*							75
80	36.9	244.0	17,200*	44.4	251.8	20,700*	54.1	259.7	27,900*	62.5	264.5	39,200*							80
85	30.1	236.0	15,100*	38.9	245.8	18,100*	49.4	255.5	24,100*	58.3	261.5	33,000*							85
90	21.3	224.9	13,400*	32.4	238.4	15,900*	44.3	250.6	20,900*	53.9	258.0	28,200*							90
95				24.5	228.6	14,100*	38.7	244.6	18,300*	49.2	253.8	24,300*							95
100				11.9	211.9	12,600*	32.3	237.2	16,100*	44.1	248.8	21,100*	59.3	258.5	34,800*				100
105							24.3	227.3	14,300*	38.5	242.8	18,500*	54.9	255.0	29,700*				105
110							11.5	210.2	12,700*	32.0	235.3	16,300*	50.3	251.0	25,600*				110
115										24.0	225.3	14,400*	45.3	246.2	22,200*				115
120													39.9	240.5	19,400*	55.6	250.4	21,600	120
125													33.6	233.4	17,100*	51.0	246.5	19,500	125
130													26.0	224.1	15,100*	46.1	241.8	17,600	130
135													14.9	209.5	13,400*	40.7	236.2	15,800	135
140																34.6	229.4	14,100	140
145																27.3	220.5	12,500	145
150																17.1	207.3	11,000	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

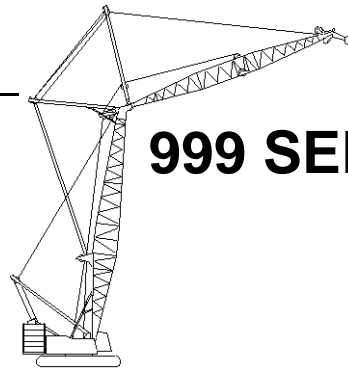
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

190 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.2	284.1	59,000*																40
45	71.8	282.4	58,900*																45
50	68.4	280.5	53,700*	72.9	282.6	59,000*													50
55	64.9	278.2	45,400*	69.5	280.7	57,900*													55
60	61.3	275.5	39,000*	66.0	278.6	48,600*													60
65	57.5	272.4	33,700*	62.5	276.0	41,500*	69.5	279.6	59,000*										65
70	53.6	268.8	29,200*	58.7	273.0	35,800*	66.0	277.4	49,400*										70
75	49.4	264.6	25,500*	54.9	269.6	31,000*	62.4	274.9	42,100*										75
80	44.9	259.7	22,500*	50.8	265.6	27,000*	58.6	271.9	36,300*	65.8	275.8	50,000*							80
85	40.1	254.0	19,900*	46.4	261.0	23,700*	54.8	268.4	31,400*	62.2	273.2	42,500*							85
90	34.6	247.1	17,700*	41.7	255.5	21,000*	50.7	264.4	27,400*	58.5	270.2	36,500*							90
95	28.2	238.5	15,800*	36.5	249.1	18,600*	46.3	259.8	24,100*	54.6	266.7	31,600*							95
100	20.0	226.6	14,200*	30.4	241.1	16,600*	41.6	254.3	21,300*	50.5	262.7	27,700*							100
105				23.0	230.6	14,800*	36.3	247.9	18,900*	46.1	258.0	24,400*	59.4	267.1	32,500				105
110				11.2	212.8	13,400*	30.3	239.8	16,800*	41.4	252.5	21,500*	55.5	263.8	29,600				110
115							22.8	229.2	15,100*	36.1	246.0	19,100*	51.5	259.9	27,000				115
120							10.7	211.1	13,600*	30.1	237.9	17,100*	47.2	255.4	24,600				120
125										22.5	227.2	15,300*	42.5	250.1	22,400	56.1	259.1	19,200	125
130													37.4	243.8	20,100*	52.1	255.3	17,400	130
135													31.5	236.2	17,900*	47.8	250.9	15,600	135
140													24.4	226.2	16,000*	43.2	245.8	14,000	140
145													14.0	210.6	14,400*	38.2	239.7	12,500	145
150																32.5	232.3	11,100	150
155																25.6	222.7	9,800	155
160																16.0	208.6	8,400	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

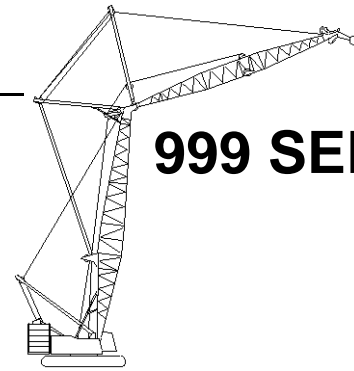
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

190 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	273.6	59,000*																40
45	69.4	271.8	49,500*																45
50	65.5	269.5	40,100*	70.7	272.0	53,800*													50
55	61.4	266.9	33,200*	66.8	269.9	43,200*													55
60	57.2	263.7	28,000*	62.8	267.3	35,600*	70.6	270.9	54,100*										60
65	52.7	260.0	23,900*	58.6	264.4	29,900*	66.7	268.7	43,600*										65
70	47.9	255.6	20,700*	54.2	260.8	25,500*	62.7	266.2	36,000*										70
75	42.7	250.4	18,000*	49.5	256.7	21,900*	58.5	263.2	30,300*	66.6	267.1	43,700*							75
80	36.9	244.0	15,700*	44.4	251.8	19,000*	54.1	259.7	25,800*	62.5	264.5	36,200*							80
85	30.1	236.0	13,900*	38.9	245.8	16,600*	49.4	255.5	22,200*	58.3	261.5	30,400*							85
90	21.3	224.9	12,300*	32.4	238.4	14,600*	44.3	250.6	19,300*	53.9	258.0	26,000*							90
95				24.5	228.6	12,900*	38.7	244.6	16,900*	49.2	253.8	22,400*							95
100				11.9	211.9	11,500*	32.3	237.2	14,800*	44.1	248.8	19,500*	59.3	258.5	32,200*				100
105							24.3	227.3	13,100*	38.5	242.8	17,000*	54.9	255.0	27,400*				105
110							11.5	210.2	11,700*	32.0	235.3	15,000*	50.3	251.0	23,600*				110
115										24.0	225.3	13,200*	45.3	246.2	20,500*				115
120													39.9	240.5	17,900*	55.6	250.4	18,600	120
125													33.6	233.4	15,800*	51.0	246.5	16,400	125
130													26.0	224.1	13,900*	46.1	241.8	14,400	130
135													14.9	209.5	12,400*	40.7	236.2	12,600	135
140																34.6	229.4	10,800	140
145																27.3	220.5	9,200	145
150																17.1	207.3	7,500	150



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

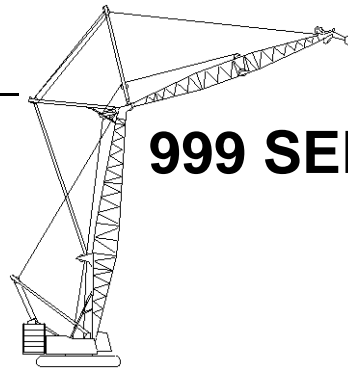
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

190 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.2	284.1	59,000*																40
45	71.8	282.4	56,900*																45
50	68.4	280.5	50,900*	72.9	282.6	59,000*													50
55	64.9	278.2	42,400*	69.5	280.7	54,700*													55
60	61.3	275.5	35,900*	66.0	278.6	45,400*													60
65	57.5	272.4	30,800*	62.5	276.0	38,300*	69.5	279.6	54,900*										65
70	53.6	268.8	26,700*	58.7	273.0	32,700*	66.0	277.4	45,800*										70
75	49.4	264.6	23,200*	54.9	269.6	28,300*	62.4	274.9	38,700*										75
80	44.9	259.7	20,400*	50.8	265.6	24,600*	58.6	271.9	33,200*	65.8	275.8	45,900*							80
85	40.1	254.0	18,000*	46.4	261.0	21,600*	54.8	268.4	28,700*	62.2	273.2	38,900*							85
90	34.6	247.1	16,000*	41.7	255.5	19,100*	50.7	264.4	25,000*	58.5	270.2	33,400*							90
95	28.2	238.5	14,300*	36.5	249.1	16,900*	46.3	259.8	22,000*	54.6	266.7	28,900*							95
100	20.0	226.6	12,800*	30.4	241.1	15,000*	41.6	254.3	19,400*	50.5	262.7	25,300*							100
105				23.0	230.6	13,400*	36.3	247.9	17,200*	46.1	258.0	22,200*	59.4	267.1	29,500				105
110				11.2	212.8	12,100*	30.3	239.8	15,300*	41.4	252.5	19,600*	55.5	263.8	26,500				110
115							22.8	229.2	13,700*	36.1	246.0	17,400*	51.5	259.9	23,800				115
120							10.7	211.1	12,300*	30.1	237.9	15,500*	47.2	255.4	21,300				120
125										22.5	227.2	13,900*	42.5	250.1	19,100	56.1	259.1	16,300	125
130													37.4	243.8	17,000	52.1	255.3	14,400	130
135													31.5	236.2	15,000	47.8	250.9	12,600	135
140													24.4	226.2	13,000*	43.2	245.8	10,900	140
145													14.0	210.6	10,800*	38.2	239.7	9,400	145
150																32.5	232.3	7,900	150
155																25.6	222.7	6,500	155
160																16.0	208.6	5,100	160



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

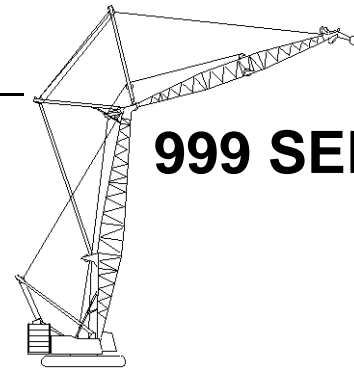
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

190 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	273.6	58,200*													40
45	69.4	271.8	45,700*													45
50	65.5	269.5	37,100*	70.7	272.0	49,800*										50
55	61.4	266.9	30,700*	66.8	269.9	40,000*										55
60	57.2	263.7	25,900*	62.8	267.3	32,900*	70.6	270.9	50,100*							60
65	52.7	260.0	22,100*	58.6	264.4	27,600*	66.7	268.7	40,400*							65
70	47.9	255.6	19,000*	54.2	260.8	23,500*	62.7	266.2	33,300*							70
75	42.7	250.4	16,500*	49.5	256.7	20,200*	58.5	263.2	28,000*	66.6	267.1	40,500*				75
80	36.9	244.0	14,400*	44.4	251.8	17,500*	54.1	259.7	23,800*	62.5	264.5	33,500*				80
85	30.1	236.0	12,700*	38.9	245.8	15,300*	49.4	255.5	20,500*	58.3	261.5	28,200*				85
90	21.3	224.9	11,200*	32.4	238.4	13,400*	44.3	250.6	17,800*	53.9	258.0	24,000*				90
95				24.5	228.6	11,800*	38.7	244.6	15,500*	49.2	253.8	20,700*				95
100				11.9	211.9	10,600*	32.3	237.2	13,600*	44.1	248.8	18,000*	59.3	258.5	29,800*	100
105							24.3	227.3	12,000*	38.5	242.8	15,700*	54.9	255.0	25,400*	105
110							11.5	210.2	10,700*	32.0	235.3	13,800*	50.3	251.0	21,800*	110
115										24.0	225.3	12,200*	45.3	246.2	18,900*	115
120													39.9	240.5	16,500*	120
125													33.6	233.4	14,500*	125
130													26.0	224.1	12,600*	130
135													14.9	209.5	10,000*	135



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

200 Ft. Boom, 70 Ft. Jib

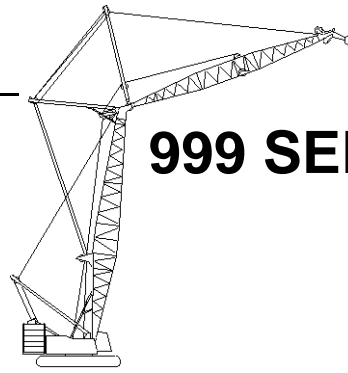
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	54.7	239.1	37,000*b																40
45	44.8	234.4	28,900*																45
50	32.4	227.4	23,400*	48.9	236.0	32,300*													50
55				37.7	230.1	25,700*													55
60				21.5	220.1	21,100*	49.7	235.2	33,800*										60
65							38.8	229.5	26,700*										65
70							23.3	220.1	21,800*	50.4	233.9	35,300*							70
75										39.6	228.3	27,700*							75
80										24.7	219.3	22,500*							80
85													54.2	231.6	41,500*				85
90													44.2	226.8	31,500*				90
95													31.5	219.6	25,100*				95
100																57.1	227.4	36,600b	100
105																47.5	223.1	33,500	105
110																36.0	216.9	27,700*	110
115																18.1	205.6	22,600*	115

200 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	54.7	239.1	30,900*																40
45	44.8	234.4	24,000*	58.3	240.1	35,400*													45
50	32.4	227.4	19,200*	48.9	236.0	26,800*													50
55				37.7	230.1	21,200*	59.0	239.2	37,500*b										55
60				21.5	220.1	17,200*	49.7	235.2	28,100*										60
65							38.8	229.5	22,100*	59.6	237.8	39,700*b							65
70							23.3	220.1	17,900*	50.4	233.9	29,300*							70
75										39.6	228.3	22,800*							75
80										24.7	219.3	18,400*	63.0	235.1	49,100*b				80
85													54.2	231.6	34,200*				85
90													44.2	226.8	25,900*				90
95													31.5	219.6	20,600*				95
100																57.1	227.4	35,000	100
105																47.5	223.1	29,100*	105
110																36.0	216.9	22,700*	110
115																18.1	205.6	18,400*	115



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

200 Ft. Boom, 90 Ft. Jib

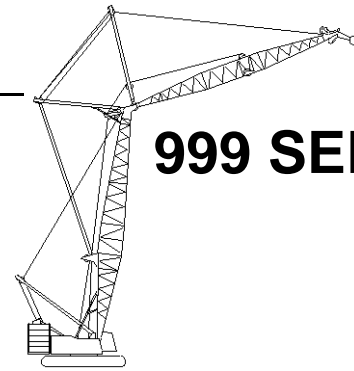
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	54.7	239.1	27,200*																40
45	44.8	234.4	21,000*	58.3	240.1	31,200*													45
50	32.4	227.4	16,700*	48.9	236.0	23,500*													50
55				37.7	230.1	18,500*	59.0	239.2	33,000*										55
60				21.5	220.1	14,900*	49.7	235.2	24,600*	67.9	240.6	52,700*b							60
65							38.8	229.5	19,200*	59.6	237.8	34,900*							65
70							23.3	220.1	15,500*	50.4	233.9	25,600*							70
75										39.6	228.3	19,900*							75
80										24.7	219.3	15,900*	63.0	235.1	43,000*b				80
85													54.2	231.6	30,000*				85
90													44.2	226.8	22,600*				90
95													31.5	219.6	17,900*				95
100																57.1	227.4	33,800	100
105																47.5	223.1	25,400*	105
110																36.0	216.9	19,700*	110
115																18.1	205.6	15,900*	115

200 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	62.8	251.1	39,800*																40
45	55.9	247.8	30,700*	65.3	251.7	45,800*													45
50	48.3	243.6	24,600*	58.6	248.8	34,400*													50
55	39.6	237.9	20,100*	51.4	244.9	27,100*	65.9	250.8	48,900*										55
60	28.5	229.8	16,800*	43.2	239.9	22,000*	59.2	247.9	36,200*										60
65				33.3	233.0	18,200*	52.0	244.2	28,300*	66.3	249.3	51,800*							65
70				18.9	221.5	15,300*	43.9	239.3	22,800*	59.7	246.5	37,900*							70
75							34.2	232.5	18,900*	52.5	242.8	29,400*							75
80							20.5	221.7	15,800*	44.5	238.0	23,600*							80
85										35.0	231.4	19,400*	62.4	243.7	44,600*				85
90										21.7	221.1	16,200*	55.4	240.4	33,600*				90
95													47.8	236.1	26,500*				95
100													39.0	230.3	21,500*				100
105													27.8	222.0	17,800*	57.7	236.1	30,600	105
110																50.3	232.2	27,700	110
115																42.0	226.9	23,500*	115
120																31.7	219.6	19,400*	120
125																15.8	206.8	16,300*	125



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

200 Ft. Boom, 110 Ft. Jib

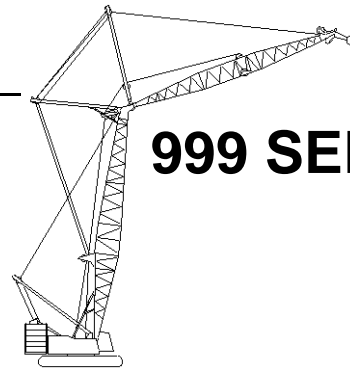
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	63.5	242.4	34,200*b																35
40	54.7	239.1	25,200*	66.7	243.0	40,300*b													40
45	44.8	234.4	19,600*	58.3	240.1	28,600*													45
50	32.4	227.4	15,800*	48.9	236.0	21,800*	67.3	242.1	42,900*b										50
55				37.7	230.1	17,300*	59.0	239.2	30,000*										55
60				21.5	220.1	14,100*	49.7	235.2	22,600*	67.9	240.6	45,500*							60
65							38.8	229.5	17,800*	59.6	237.8	31,200*							65
70							23.3	220.1	14,500*	50.4	233.9	23,400*							70
75										39.6	228.3	18,400*							75
80										24.7	219.3	14,900*	63.0	235.1	37,100*				80
85													54.2	231.6	26,700*				85
90													44.2	226.8	20,600*				90
95													31.5	219.6	16,400*				95
100																57.1	227.4	30,200*	100
105																47.5	223.1	22,700*	105
110																36.0	216.9	17,900*	110
115																18.1	205.6	14,600*	115

200 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	69.2	253.6	48,000*b																35
40	62.8	251.1	35,100*	71.7	253.9	56,900*b													40
45	55.9	247.8	27,100*	65.3	251.7	40,000*													45
50	48.3	243.6	21,700*	58.6	248.8	30,300*													50
55	39.6	237.9	17,800*	51.4	244.9	23,900*	65.9	250.8	42,000*										55
60	28.5	229.8	14,900*	43.2	239.9	19,400*	59.2	247.9	31,500*										60
65				33.3	233.0	16,100*	52.0	244.2	24,800*	66.3	249.3	43,900*							65
70				18.9	221.5	13,500*	43.9	239.3	20,000*	59.7	246.5	32,600*							70
75							34.2	232.5	16,600*	52.5	242.8	25,500*							75
80							20.5	221.7	13,900*	44.5	238.0	20,600*							80
85										35.0	231.4	17,000*	62.4	243.7	37,500*				85
90										21.7	221.1	14,200*	55.4	240.4	28,700*				90
95													47.8	236.1	22,800*				95
100													39.0	230.3	18,700*				100
105													27.8	222.0	15,500*				105
110																57.7	236.1	27,900	110
115																42.0	226.9	20,200*	115
120																31.7	219.6	16,700*	120
125																15.8	206.8	14,100*	125



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 3

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

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

200 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	72.9	264.3	59,000* ^b																35
40	67.7	262.3	44,700*																40
45	62.3	259.7	34,600*	69.7	262.7	51,000*													45
50	56.6	256.5	27,700*	64.4	260.4	38,600*													50
55	50.4	252.6	22,800*	58.9	257.4	30,500*	70.2	261.7	53,500*										55
60	43.7	247.6	19,000*	52.9	253.8	24,800*	64.9	259.5	40,200*										60
65	35.8	241.1	16,100*	46.4	249.2	20,600*	59.3	256.6	31,600*										65
70	25.8	232.0	13,800*	39.1	243.4	17,400*	53.4	253.0	25,600*	65.3	258.0	41,600*							70
75				30.1	235.6	14,800*	47.0	248.5	21,200*	59.7	255.1	32,600*							75
80				17.0	222.9	12,700*	39.7	242.8	17,900*	53.9	251.6	26,400*							80
85							30.9	235.2	15,200*	47.4	247.2	21,800*							85
90							18.4	223.2	13,000*	40.2	241.6	18,300*	62.0	252.4	36,600*				90
95										31.6	234.2	15,600*	56.2	249.1	29,200*				95
100										19.6	222.7	13,300*	50.1	245.1	24,000*				100
105													43.2	240.0	20,000*				105
110													35.3	233.5	16,900*				110
115													25.1	224.1	14,400*	52.1	241.0	22,800	115
120																45.5	236.3	20,400	120
125																38.0	230.3	18,100*	125
130																28.7	222.1	15,400*	130
135																14.2	207.9	13,300*	135