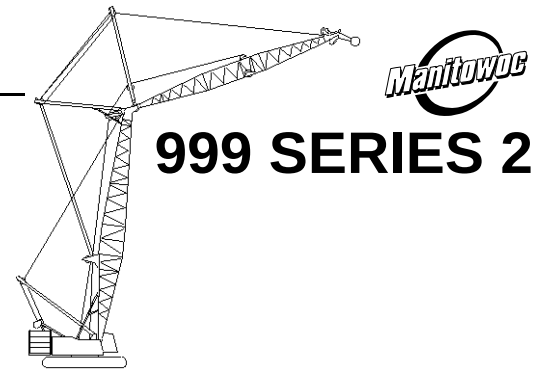


Liftcrane Luffing Jib Intermediate Fall Capacities

**Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 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**.

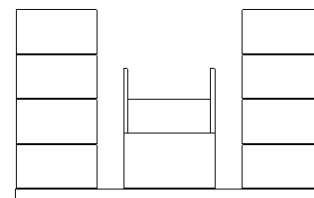
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, 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, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Consult chart **No. 8416-A** for luffing jib capacities. Consult chart **No. 8361-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8367-A** for intermediate fall capacities with fixed jib attached.

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



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

Boom Catwalks Deduct

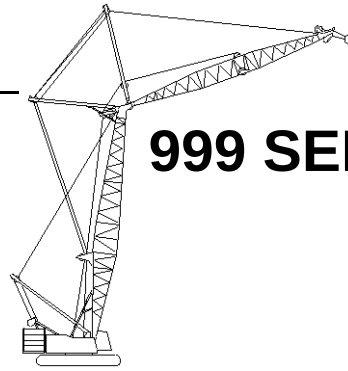
**Deduct 300 Lbs. from capacities
when boom catwalks are attached.**



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

80 Ft. Boom, 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		
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 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	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

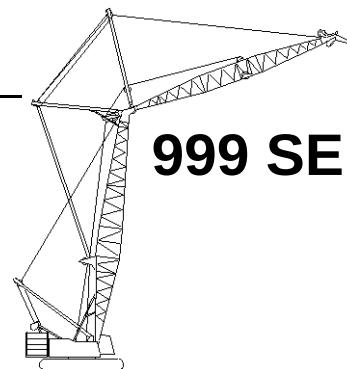
80 Ft. Boom, 90 Ft. Jib

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 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	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

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

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



999 SERIES 2

80 Ft. Boom, 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		
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*	
70										36.9	112.9	18,600*	48.7	118.4	24,000*	70		70	
75										18.5	100.3	14,600*	24.7	103.7	15,600*	40.0	112.8	19,800*	
80																29.2	104.9	16,600*	

80 Ft. Boom, 110 Ft. Jib

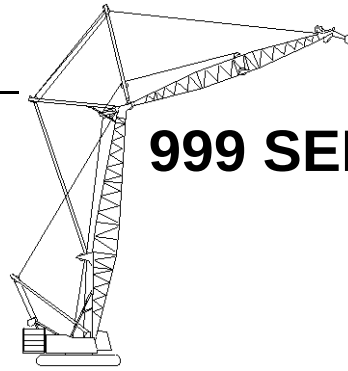
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		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	Ang. Deg.	Elev. Feet	
25	72.7	125.2	50,400*																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

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

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



999 SERIES 2

80 Ft. Boom, 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	70.2	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

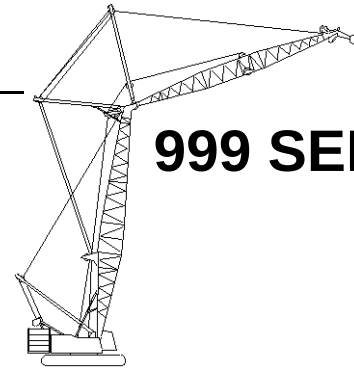
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 2

80 Ft. Boom, 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

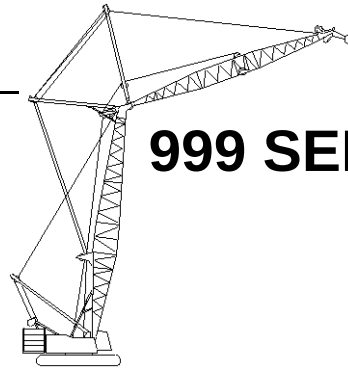
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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										14.1	103.9	12,900*	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

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

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



999 SERIES 2

80 Ft. Boom, 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	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	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

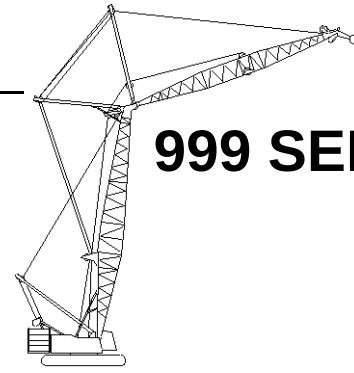
80 Ft. Boom, 170 Ft. Jib

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	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	
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

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

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



999 SERIES 2

80 Ft. Boom, 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

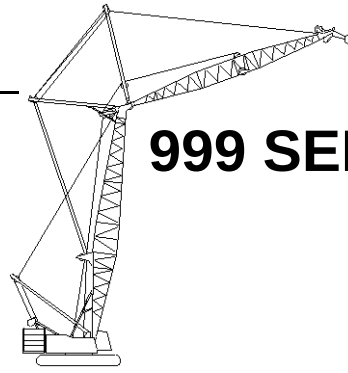
80 Ft. Boom, 190 Ft. Jib

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	
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

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

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



999 SERIES 2

80 Ft. Boom, 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	
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	18,700*	110
115							14.8	110.7	11,700*	22.7	123.0	12,800*	31.6	135.2	14,800*	38.4	142.8	16,200*	115
120										12.5	106.0	11,300*	25.3	125.5	13,400*	33.4	135.6	13,900*	120
125													16.9	111.7	12,200*	27.5	126.6	11,700*	125
130																20.0	114.6	9,700*	130



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

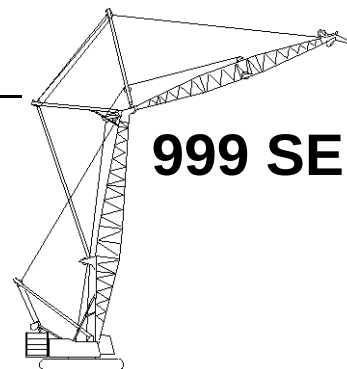
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

80 Ft. Boom, 220 Ft. Jib

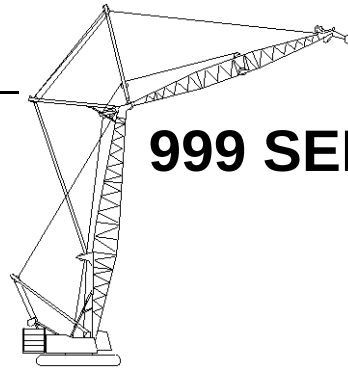
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	16,600	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	14,300	120
125							14.1	111.8	7,600*	21.6	124.9	9,800*	30.0	137.9	11,600*	36.5	146.1	12,200	125
130										11.8	106.9	7,000*	24.1	127.6	10,400*	31.7	138.4	10,300	130
135													16.0	113.0	8,700*	26.1	128.9	8,500	135
140																19.0	116.2	6,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

80 Ft. Boom, 230 Ft. Jib

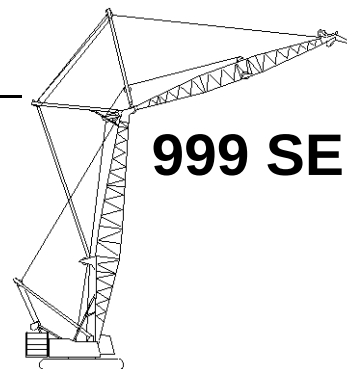
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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	22,300	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	19,600	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	17,100	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	15,900	46.2	167.4	14,900	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	13,800	42.7	162.1	12,800	125
130				15.2	117.0	4,100*	21.8	129.7	7,300*	26.8	138.6	9,200*	33.5	149.0	11,800	39.0	156.1	10,900	130
135							13.4	112.9	4,100*	20.6	126.6	6,800*	28.7	140.4	10,000	34.9	149.2	9,200	135
140													23.0	129.6	7,600*	30.3	141.1	7,500	140
145													15.3	114.3	5,200*	24.9	131.1	6,000	145
150																18.1	117.7	4,500	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

80 Ft. Boom, 240 Ft. Jib

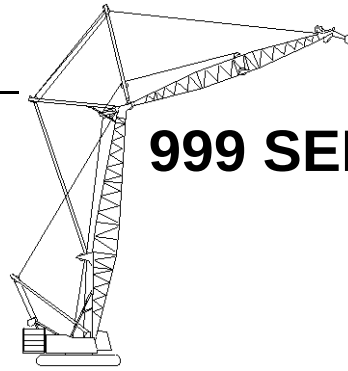
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	
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	19,700	
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	17,200	
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	15,000	
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	13,000	
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	11,100	
135				22.0	134.3	4,100*	26.6	143.4	5,800*	30.5	150.6	7,500*	36.1	159.5	10,300	40.9	165.8	9,400	
140										25.7	140.8	5,300*	32.1	151.9	8,300*	37.3	159.5	7,800	
145													27.5	142.8	6,000*	33.4	152.2	6,300	
150																29.0	143.6	4,900	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 70 Ft. Jib

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

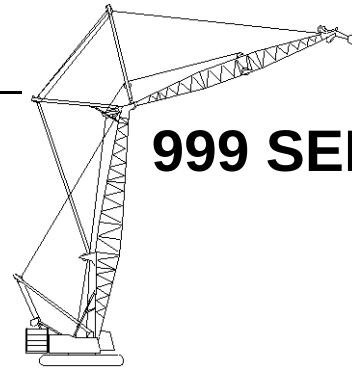
90 Ft. Boom, 90 Ft. Jib

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 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	65.4	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	65	
70													17.8	104.6	13,700*	41.8	116.8	70	
75																28.1	108.8	75	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 100 Ft. Jib

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	
30	70.7	144.1	53,900*																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

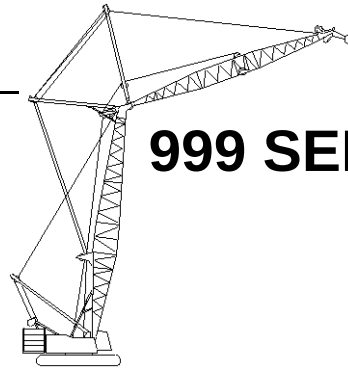
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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

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

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



999 SERIES 2

90 Ft. Boom, 120 Ft. Jib

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	
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

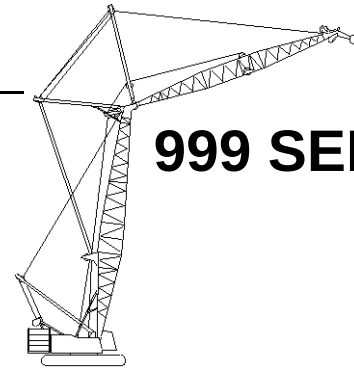
90 Ft. Boom, 130 Ft. Jib

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	
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*			70	
75							23.2	118.7	13,300*	33.3	127.4	15,400*	45.4	135.5	19,800*	55.0	139.6	25,800*	75
80										22.2	117.0	13,200*	37.9	129.4	16,800*	48.7	135.3	21,500*	80
85													28.6	121.2	14,400*	41.7	130.0	18,200*	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

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

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



999 SERIES 2

90 Ft. Boom, 140 Ft. Jib

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		
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

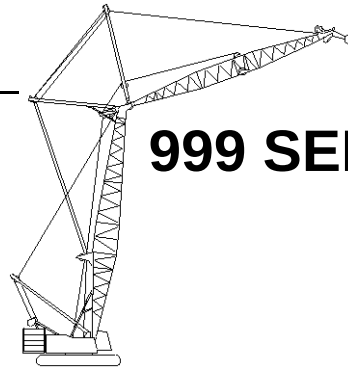
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
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*	
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*	
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*	
100										19.0	120.2	13,500*	32.4	135.4	16,300*	41.6	143.2	19,700*	
105													24.4	125.5	14,400*	35.6	136.6	17,400*	
110													11.8	108.7	12,800*	28.6	128.2	15,400*	
115																19.1	116.0	13,700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 160 Ft. Jib

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	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

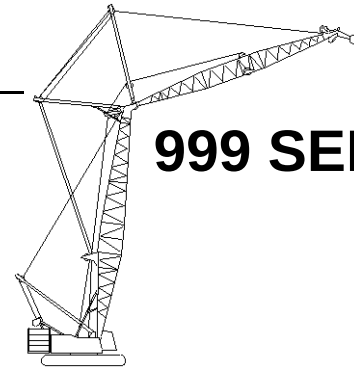
90 Ft. Boom, 170 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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													11.8	108.7	11,800*	28.6	128.2	14,200*	110
115																19.1	116.0	12,600*	115

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 180 Ft. Jib

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

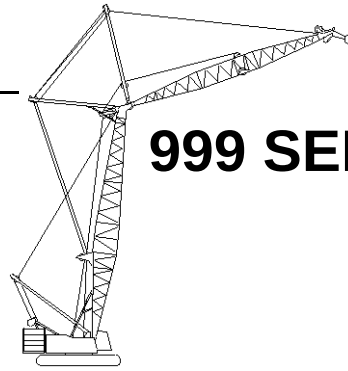
90 Ft. Boom, 190 Ft. Jib

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

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

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



999 SERIES 2

90 Ft. Boom, 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	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	15,000	115
120													11.0	109.6	11,600*	26.8	130.5	12,600	120
125																17.9	117.5	10,400	125

90 Ft. Boom, 210 Ft. Jib

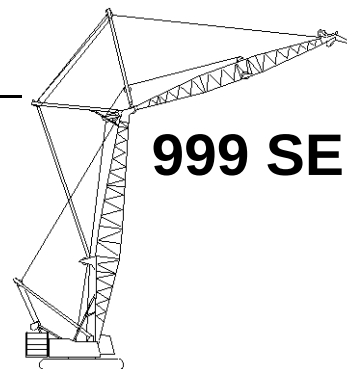
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	27,400	
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	24,000	
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	21,000	
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	18,300	
115							17.5	125.2	12,000*	25.3	137.0	13,200*	34.4	149.1	15,600*	41.6	156.5	15,800	
120										16.8	123.1	12,000*	28.7	140.5	14,100*	36.9	150.1	13,500	
125													21.7	129.3	12,100	31.6	142.4	11,400	
130													10.4	110.4	9,900	25.3	132.7	9,400	
135																16.9	118.9	7,500	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 220 Ft. Jib

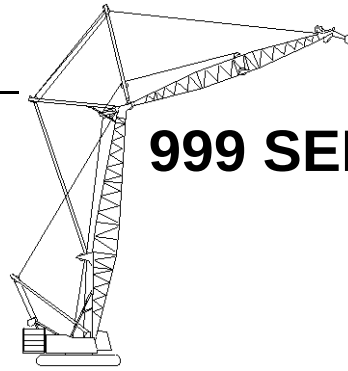
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	24,200	
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	21,200	
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	18,500	
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	16,100	
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	13,900	
125							16.6	126.6	9,100*	24.0	139.1	10,200*	32.7	152.0	12,300*	39.5	160.0	11,800	
130										15.9	124.4	9,100*	27.3	142.9	10,800	35.1	153.2	9,900	
135													20.6	131.0	8,900	30.1	145.0	8,100	
140													9.8	111.1	7,000	24.1	134.8	6,500	
145																16.0	120.2	4,800	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 230 Ft. Jib

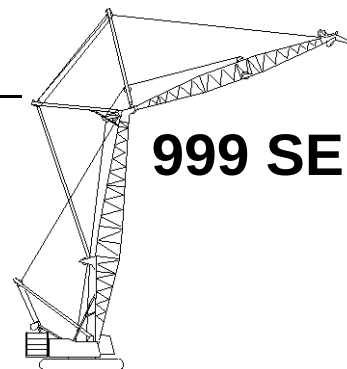
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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	21,700	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	19,000	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	17,800	51.6	184.4	16,600	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	15,500	48.4	180.1	14,400	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	13,500	45.1	175.2	12,400	125
130				16.5	129.7	8,100*	23.4	142.7	10,400*	28.7	151.9	11,600*	35.7	162.6	11,500	41.5	169.7	10,500	130
135							15.9	127.9	8,700*	22.9	141.0	10,500*	31.2	154.7	9,700	37.7	163.4	8,800	135
140										15.2	125.7	8,500*	26.1	145.2	8,100	33.5	156.2	7,200	140
145													19.7	132.7	6,500	28.7	147.5	5,600	145
150													9.4	111.9	4,800	23.0	136.7	4,200	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

90 Ft. Boom, 240 Ft. Jib

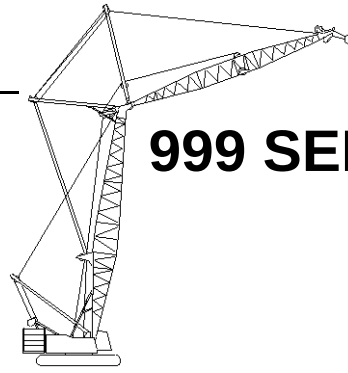
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	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*	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*	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*	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	13,700	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	11,800	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	10,000	135
140				15.8	131.0	4,400*	22.4	144.7	7,100*	27.5	154.3	8,700*	34.2	165.6	8,400	140
145							15.2	129.2	5,100*	22.0	142.9	6,900*	30.0	157.4	6,800	145
150										14.6	126.9	4,900*	25.0	147.4	5,400	150
155													18.8	134.3	4,000	155



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 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

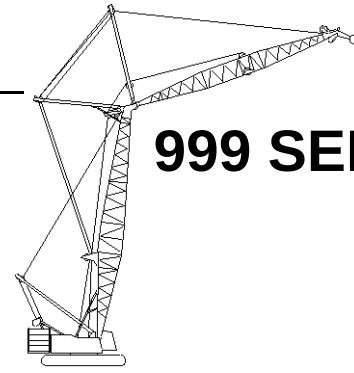
100 Ft. Boom, 80 Ft. Jib

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

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

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



999 SERIES 2

100 Ft. Boom, 90 Ft. Jib

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	38,400*															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

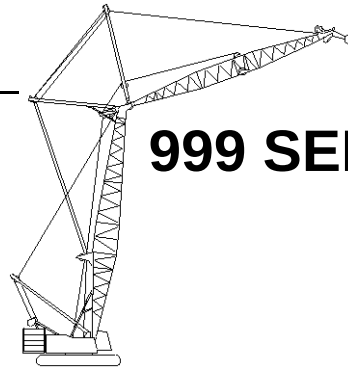
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 2

100 Ft. Boom, 110 Ft. Jib

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	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

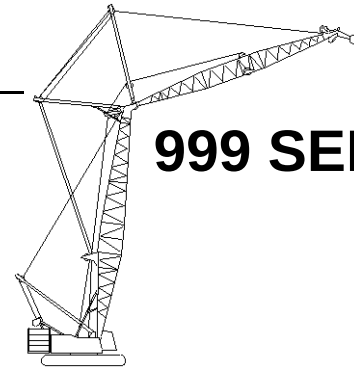
100 Ft. Boom, 120 Ft. Jib

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	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	
30	71.1	154.3	49,900*															30	
35	64.7	152.0	36,400*	69.2	153.4	45,100*												35	
40	58.0	149.0	28,100*	62.7	150.9	33,500*	69.4	152.8	45,800*									40	
45	50.7	145.0	22,500*	55.9	147.6	26,200*	63.0	150.4	34,000*									45	
50	42.4	139.9	18,400*	48.3	143.4	21,200*	56.1	147.1	26,500*	63.2	149.6	34,400*						50	
55	32.3	132.7	15,400*	39.6	137.7	17,500*	48.6	142.9	21,400*	56.4	146.4	26,800*						55	
60	16.9	120.4	12,900*	28.5	129.6	14,600*	39.9	137.3	17,600*	48.9	142.2	21,600*	61.2	146.6	31,800*			60	
65							29.0	129.4	14,700*	40.2	136.7	17,800*	54.2	143.1	25,100*			65	
70										29.4	128.8	14,900*	46.4	138.6	20,400*			70	
75													37.3	132.5	16,900*	51.6	138.9	23,400*	75
80													25.3	123.4	14,100*	43.4	133.9	19,100*	80
85																33.6	127.0	15,900*	85
90																19.4	115.8	13,400*	90

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 130 Ft. Jib

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		
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

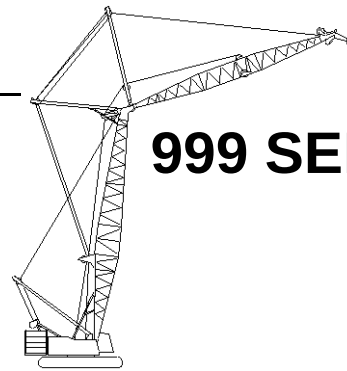
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 2

100 Ft. Boom, 150 Ft. Jib

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	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

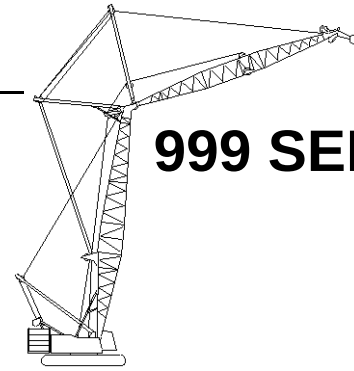
100 Ft. Boom, 160 Ft. Jib

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	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	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

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

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



999 SERIES 2

100 Ft. Boom, 170 Ft. Jib

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

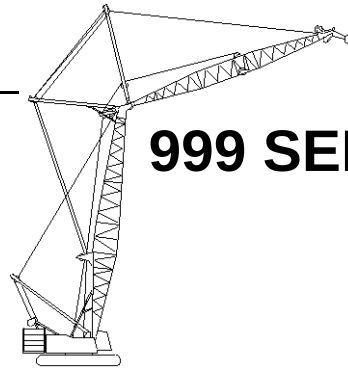
100 Ft. Boom, 180 Ft. Jib

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 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	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*	
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*	
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*	
110										21.3	136.9	13,600*	33.7	152.1	16,600*	42.5	160.3	20,200*	
115													27.1	143.0	14,900*	37.4	154.0	18,000*	
120													18.2	130.2	13,300*	31.5	146.4	15,900	
125																24.4	136.4	13,700	
130																13.9	120.8	11,700	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 190 Ft. Jib

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	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

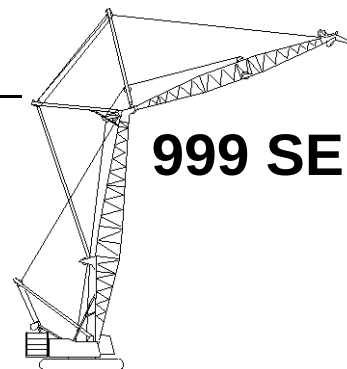
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	26,500	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	23,100	100
105							21.0	137.3	12,300*	29.2	148.1	13,900*	39.2	159.2	17,100*	47.1	165.6	20,000	105
110										21.3	136.9	12,500*	33.7	152.1	15,200*	42.5	160.3	17,200	110
115													27.1	143.0	13,600*	37.4	154.0	14,700	115
120													18.2	130.2	12,200*	31.5	146.4	12,400	120
125																24.4	136.4	10,200	125
130																13.9	120.8	8,100	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 210 Ft. Jib

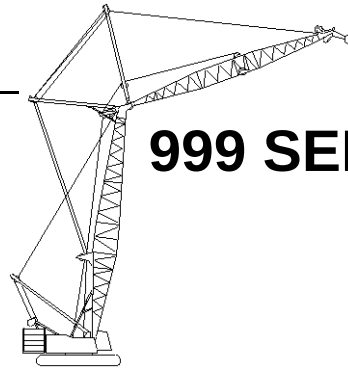
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	23,600	
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	20,600	
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	17,800	
115							19.9	139.0	12,200*	27.6	150.5	13,600*	37.1	162.5	16,500	44.5	169.7	15,400	
120										20.2	138.6	12,300*	31.8	154.9	14,100	40.1	164.0	13,100	
125													25.6	145.2	12,000	35.3	157.2	11,000	
130													17.2	131.6	9,900	29.8	149.0	9,100	
135																23.0	138.3	7,300	
140																13.1	121.8	5,500	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 220 Ft. Jib

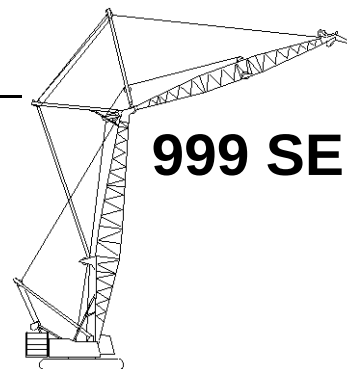
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	20,700	
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	18,100	
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	15,600	
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	13,400	
125							18.9	140.6	9,300*	26.3	152.8	10,600*	35.2	165.6	12,500	42.3	173.5	11,400	
130										19.1	140.2	9,400*	30.2	157.5	10,600	38.2	167.4	9,500	
135													24.3	147.3	8,700	33.6	160.2	7,800	
140													16.4	133.0	7,000	28.3	151.5	6,100	
145																21.9	140.2	4,600	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

100 Ft. Boom, 230 Ft. Jib

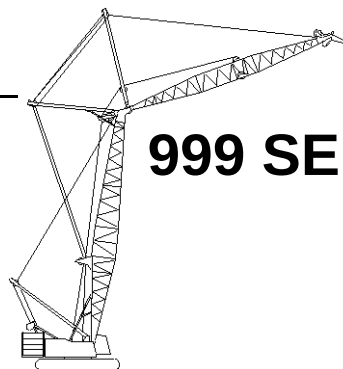
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.	
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	25,700	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	22,700	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	20,000	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	17,500	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	15,200	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	13,100	125
130				17.7	142.0	9,400*	24.9	155.5	10,600*	30.4	164.9	12,000*	37.8	175.8	11,200	130
135							18.0	142.1	9,500*	25.1	155.0	10,500	33.6	168.6	9,500	135
140										18.3	141.7	8,800	28.9	160.1	7,800	140
145													23.2	149.3	6,300	145
150													15.6	134.3	4,700	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

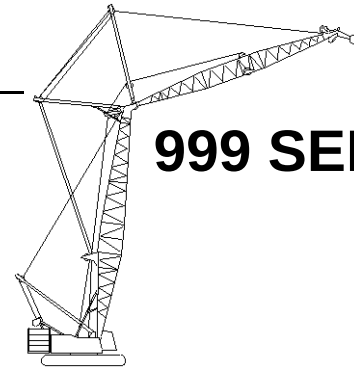
100 Ft. Boom, 240 Ft. Jib

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	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.	
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	17,600	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	15,400	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	13,300	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	11,400	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	9,700	135
140				16.9	143.5	5,600*	23.8	157.6	8,000*	29.1	167.5	9,000*	36.3	179.1	8,100	140
145							17.3	143.5	5,900*	24.0	157.1	7,600	32.2	171.5	6,600	145
150										17.5	143.2	5,900*	27.7	162.5	5,100	150

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 70 Ft. Jib

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	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

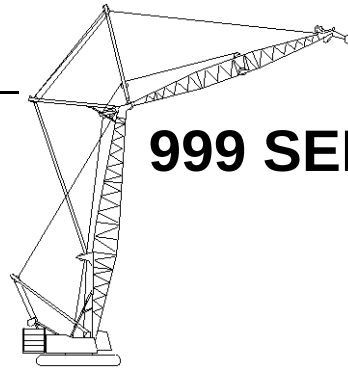
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	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	70	
75													18.8	124.6	16,200*	45.9	137.7	75	
80																33.8	131.0	80	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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	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

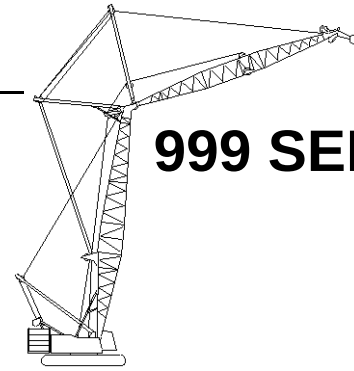
110 Ft. Boom, 100 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
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

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

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



999 SERIES 2

110 Ft. Boom, 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

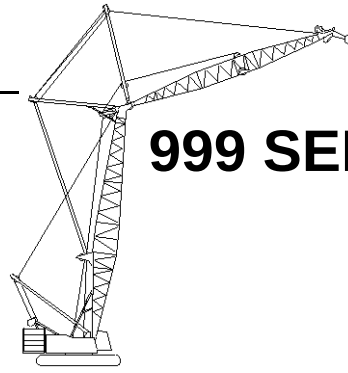
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate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



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

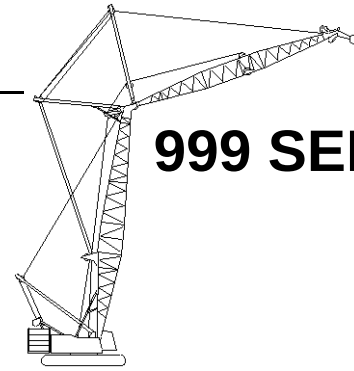
110 Ft. Boom, 140 Ft. Jib

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	
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

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

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



999 SERIES 2

110 Ft. Boom, 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	74.9	194.3	59,000*	70.2	191.9	54,300*	70.8	191.5	56,100*													
40	71.1	192.7	57,100*																			
45	67.3	190.6	46,100*																			
50	63.2	188.1	38,100*																			
55	59.1	185.2	32,200*																			
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*										
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*										
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*										
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*	
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*	
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*	57.9	177.1	31,500*	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*				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

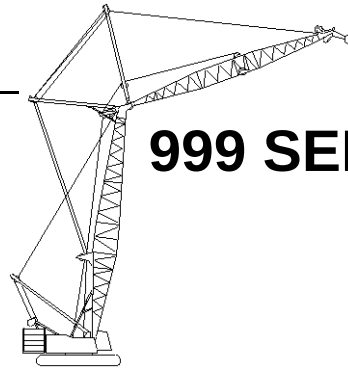
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	28,900	
105							23.2	150.4	15,200*	31.5	161.1	17,300*	41.8	172.0	21,600*	50.1	178.2	26,000	
110							11.7	133.1	13,700*	24.4	151.1	15,500*	36.6	165.6	19,300*	45.7	173.4	23,400	
115										13.9	135.5	13,900*	30.6	157.7	17,300*	40.9	167.9	21,100	
120													23.2	147.2	15,500*	35.6	161.2	18,900	
125													11.7	129.9	13,900*	29.4	152.9	16,900	
130																21.6	141.8	15,000	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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	74.9	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

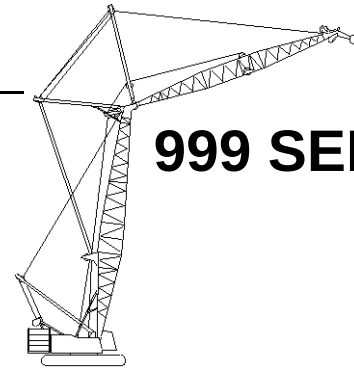
110 Ft. Boom, 180 Ft. Jib

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	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	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	25,600	100
105							23.2	150.4	13,800*	31.5	161.1	15,800*	41.8	172.0	19,800*	50.1	178.2	22,600	105
110							11.7	133.1	12,400*	24.4	151.1	14,100*	36.6	165.6	17,600*	45.7	173.4	20,000	110
115										13.9	135.5	12,700*	30.6	157.7	15,700*	40.9	167.9	17,600	115
120													23.2	147.2	14,100*	35.6	161.2	15,300	120
125													11.7	129.9	12,700*	29.4	152.9	13,300	125
130																21.6	141.8	11,300	130

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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	13,500	115
120																23.0	140.0	11,100	120

110 Ft. Boom, 200 Ft. Jib

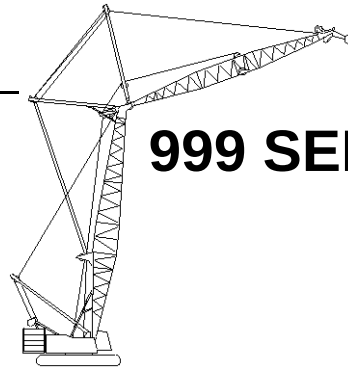
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	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	22,500	
105							23.2	150.4	12,600*	31.5	161.1	14,500*	41.8	172.0	18,100*	50.1	178.2	19,500	
110							11.7	133.1	11,400*	24.4	151.1	12,900*	36.6	165.6	16,200*	45.7	173.4	16,700	
115										13.9	135.5	11,600*	30.6	157.7	14,400*	40.9	167.9	14,300	
120													23.2	147.2	12,900	35.6	161.2	12,000	
125													11.7	129.9	10,500	29.4	152.9	9,900	
130																21.6	141.8	7,900	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 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
	Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		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	21,400	54.8	191.0	19,900	
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	18,600	51.2	187.0	17,300	
115							21.9	152.3	12,400*	29.8	163.7	14,100*	39.5	175.6	16,100	47.3	182.5	14,800	
120							11.0	134.0	11,300*	23.0	153.1	12,700*	34.6	168.7	13,800	43.2	177.4	12,600	
125										13.1	136.5	11,500*	29.0	160.2	11,700	38.7	171.3	10,600	
130													22.0	149.1	9,700	33.7	164.2	8,700	
135													11.0	130.8	7,600	27.8	155.4	6,900	
140																20.4	143.5	5,200	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

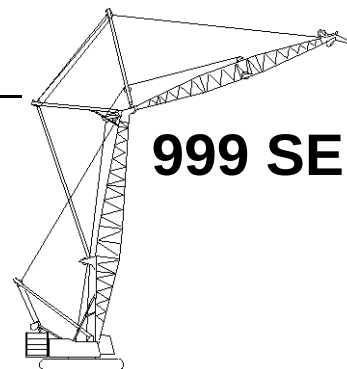
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

110 Ft. Boom, 220 Ft. Jib

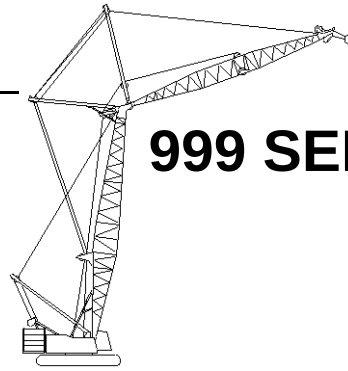
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	21,700			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	19,000	55.3	199.7	17,400	
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	16,500	52.0	195.9	15,000	
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	14,200	48.6	191.6	12,800	
125							20.9	154.1	9,500*	28.3	166.2	11,000*	37.6	179.0	12,100	44.9	186.7	10,800	
130							10.4	134.8	8,400*	21.9	155.0	9,800*	32.9	171.6	10,200	41.0	181.1	9,000	
135										12.4	137.5	8,700*	27.5	162.6	8,400	36.8	174.6	7,300	
140													20.9	150.9	6,700	32.0	167.0	5,700	
145													10.4	131.6	5,000	26.4	157.7	4,200	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 230 Ft. Jib

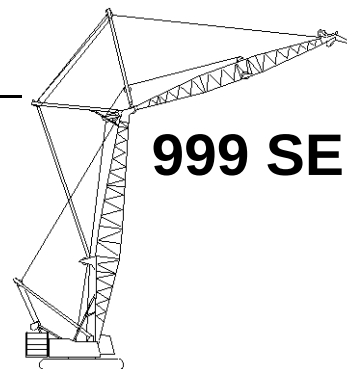
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	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	28,500	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	25,200	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	22,200	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	19,500	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	17,000	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	14,800	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	12,700	125
130	11.2	139.2	4,200*	18.8	154.3	9,400*	26.3	168.1	10,800*	32.0	177.8	12,200	39.9	188.8	10,900	130
135							19.9	155.8	9,800*	27.0	168.6	10,300	35.9	182.2	9,100	135
140							9.9	135.6	4,900*	20.9	156.7	8,600	31.4	174.4	7,500	140
145										11.8	138.5	6,900	26.3	164.9	5,900	145
150													19.9	152.6	4,500	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

110 Ft. Boom, 240 Ft. Jib

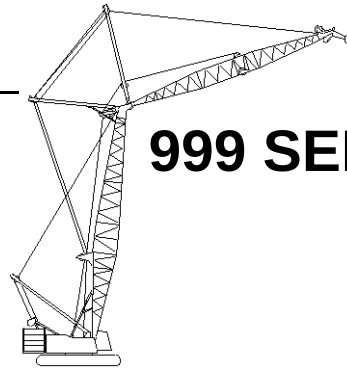
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	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*	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*	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*	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*	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*	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*	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*	135
140				18.0	155.8	6,400*	25.2	170.3	8,200*	30.7	180.5	9,000	140
145							19.1	157.4	6,600*	25.9	170.8	7,400	145
150										20.0	158.5	6,000	150
155										11.3	139.4	4,200*	155



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

120 Ft. Boom, 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

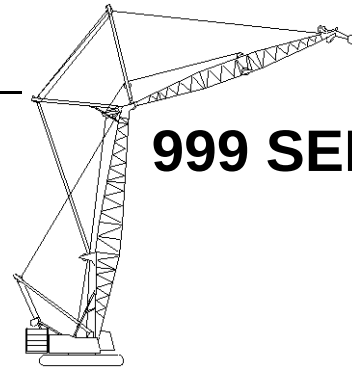
120 Ft. Boom, 80 Ft. Jib

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

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

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



999 SERIES 2

120 Ft. Boom, 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	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

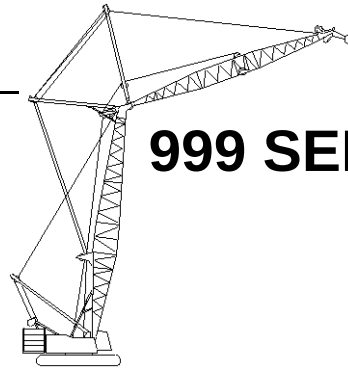
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
35	65.7	172.3	42,500*	70.9	173.9	56,100*													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

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

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



999 SERIES 2

120 Ft. Boom, 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	
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

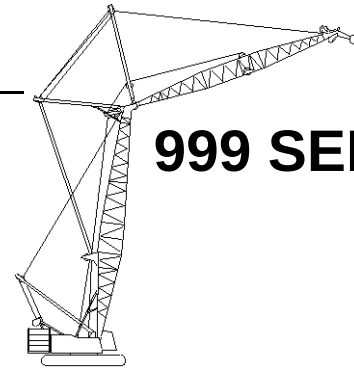
120 Ft. Boom, 120 Ft. Jib

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	
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

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

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



999 SERIES 2

120 Ft. Boom, 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	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

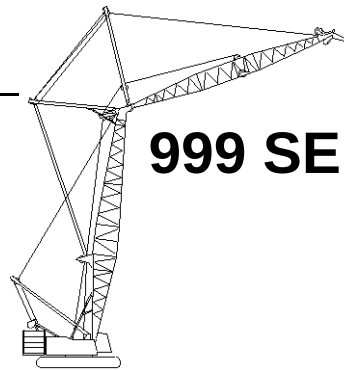
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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

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

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



999 SERIES 2

120 Ft. Boom, 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	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

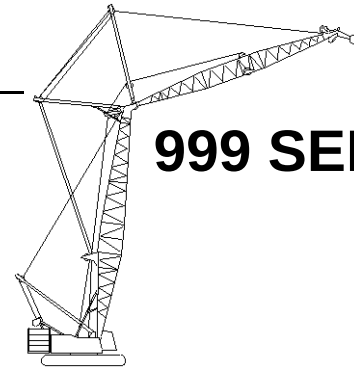
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	28,100	
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	25,300	
110							15.4	148.7	14,000*	27.1	164.8	16,100*	39.4	178.7	20,500*	48.8	186.1	22,800	
115										18.2	152.0	14,500*	33.9	171.6	18,300*	44.3	181.2	20,500	
120													27.3	162.7	16,400*	39.3	175.3	18,300	
125													18.6	150.1	14,700*	33.8	168.2	16,400	
130																27.2	159.2	14,500	
135																18.5	146.5	12,800	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

120 Ft. Boom, 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	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	12,300	125

120 Ft. Boom, 180 Ft. Jib

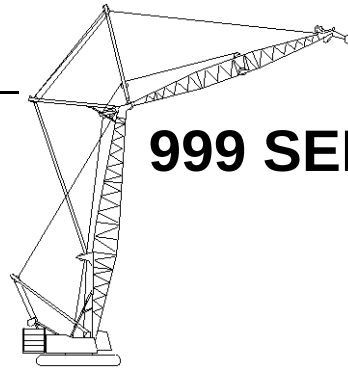
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	24,900	
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	22,000	
110							15.4	148.7	12,700*	27.1	164.8	14,700*	39.4	178.7	18,700*	48.8	186.1	19,400	
115										18.2	152.0	13,200*	33.9	171.6	16,700*	44.3	181.2	17,000	
120													27.3	162.7	15,000*	39.3	175.3	14,900	
125													18.6	150.1	13,400*	33.8	168.2	12,800	
130																27.2	159.2	11,000	
135																18.5	146.5	9,100	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

120 Ft. Boom, 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 Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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	25,000	95
100							16.4	147.4	11,000*	28.8	162.5	12,900*	42.0	175.2	16,900*	52.0	181.6	21,600	100
105										19.5	150.4	11,400*	36.1	168.6	14,900*	47.2	177.1	18,600	105
110													29.1	160.3	13,100*	41.9	171.7	15,800	110
115													19.9	148.5	11,600*	36.0	165.2	13,200	115
120																29.0	156.9	10,900	120
125																19.7	145.0	8,700	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 Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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	22,000	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	19,000	105
110							15.4	148.7	11,600*	27.1	164.8	13,400*	39.4	178.7	17,200*	48.8	186.1	16,300	110
115										18.2	152.0	12,000*	33.9	171.6	15,000	44.3	181.2	13,800	115
120													27.3	162.7	12,700	39.3	175.3	11,600	120
125													18.6	150.1	10,400	33.8	168.2	9,500	125
130																27.2	159.2	7,600	130
135																18.5	146.5	5,700	135



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

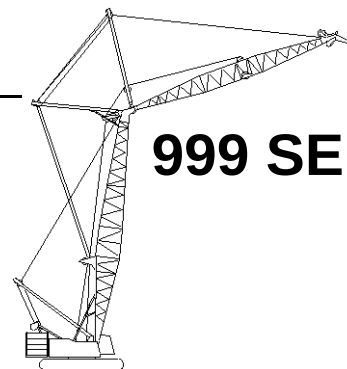
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

120 Ft. Boom, 210 Ft. Jib

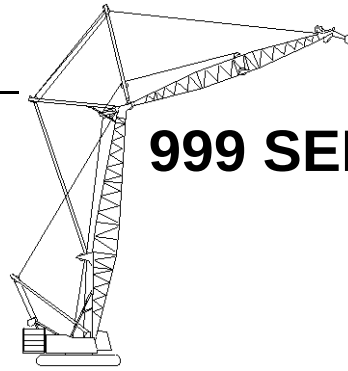
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	31,200			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	27,400			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	24,000			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	21,000	57.3	202.8	19,400	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	18,300	53.7	199.2	16,700	110
115				10.9	144.5	11,100*	23.8	165.3	12,700*	31.8	176.6	14,600*	41.9	188.4	15,800	50.0	195.1	14,300	115
120							14.5	149.9	11,500*	25.6	167.0	13,200*	37.2	182.1	13,500	46.0	190.4	12,200	120
125										17.2	153.4	11,900*	32.0	174.5	11,400	41.8	185.0	10,100	125
130													25.8	164.9	9,400	37.2	178.6	8,300	130
135													17.6	151.6	7,500	31.9	171.0	6,500	135
140																25.7	161.4	4,900	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

120 Ft. Boom, 220 Ft. Jib

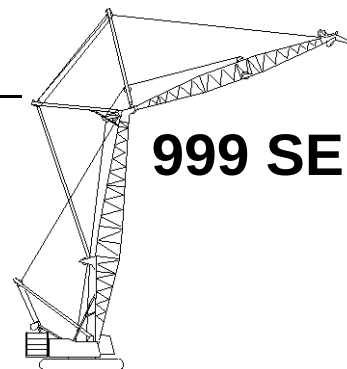
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	73.9	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	27,600	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	24,200	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	21,300	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	18,600	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	16,100	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	13,900	120
125				10.3	145.3	7,300*	22.7	167.2	9,700*	30.2	179.3	11,400*	39.8	192.0	11,800	125
130							13.8	151.0	8,700*	24.3	169.1	10,200*	35.4	185.2	9,900	130
135										16.4	154.8	9,100*	30.4	177.2	8,100	135
140													24.5	167.1	6,500	140
145													16.7	153.0	4,900	145



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

120 Ft. Boom, 230 Ft. Jib

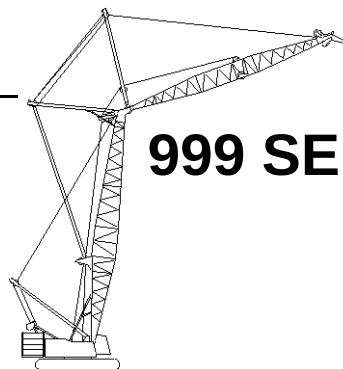
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	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	24,700	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	21,700	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	19,000	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	16,600	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	14,400	120
125	21.1	169.0	9,500*	26.3	178.7	10,600*	32.5	189.5	12,300*	37.8	197.6	13,900	45.3	207.1	12,400	125
130	12.1	151.0	5,200*	19.9	166.4	9,500*	27.6	180.5	11,100*	33.6	190.4	12,000	41.8	201.6	10,500	130
135				9.8	146.1	4,000*	21.6	169.1	10,000*	28.9	181.8	10,200	38.0	195.4	8,800	135
140							13.1	152.1	7,800*	23.2	171.1	8,400	33.8	188.2	7,200	140
145										15.6	156.1	6,800	29.1	179.7	5,700	145
150													23.4	169.1	4,200	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

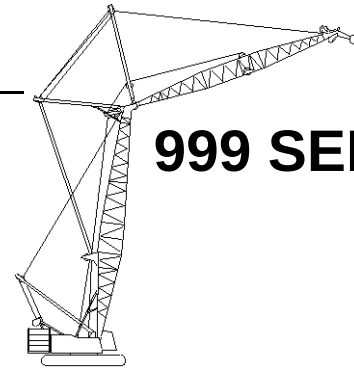
120 Ft. Boom, 240 Ft. Jib

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	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	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*	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*	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*	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*	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*	130
135	20.2	170.7	7,000*	25.2	180.9	7,900*	31.2	192.3	9,500*	36.3	200.9	10,500	135
140				19.0	168.0	6,900*	26.5	182.9	8,400*	32.2	193.3	8,800	140
145							20.7	170.9	7,300*	27.7	184.2	7,300	145
150							12.6	153.1	4,300*	22.2	173.0	5,800	150
155										14.9	157.3	4,400	155

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 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	
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

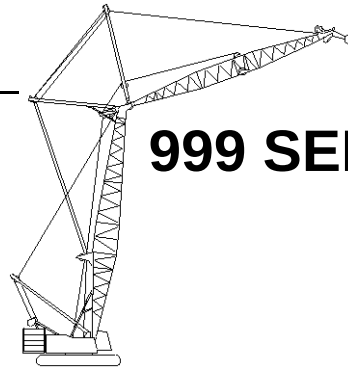
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 2

130 Ft. Boom, 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	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

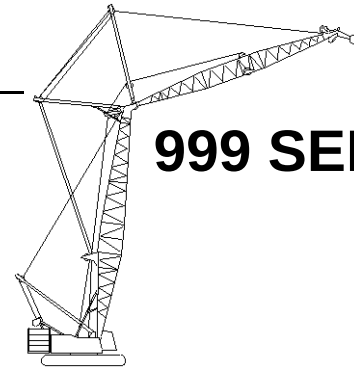
130 Ft. Boom, 100 Ft. Jib

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

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

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



999 SERIES 2

130 Ft. Boom, 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	
30	67.6	173.8	39,300*																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

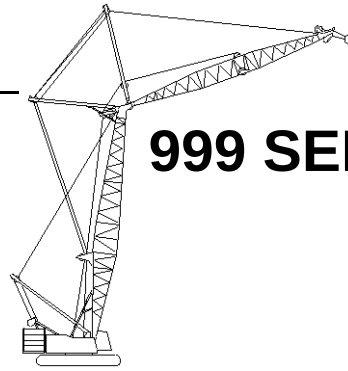
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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*																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

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

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



999 SERIES 2

130 Ft. Boom, 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	
30	75.4	195.2	59,000* ^b																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

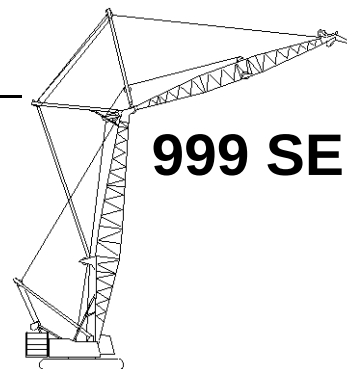
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	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*	
100													35.4	171.7	16,900*	49.0	180.7	23,500*	
105													27.0	162.8	14,700*	43.1	175.6	20,200*	
110													14.2	148.1	12,900*	36.5	169.2	17,400*	
115																28.4	160.8	15,200*	
120																16.8	147.6	13,200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 150 Ft. Jib

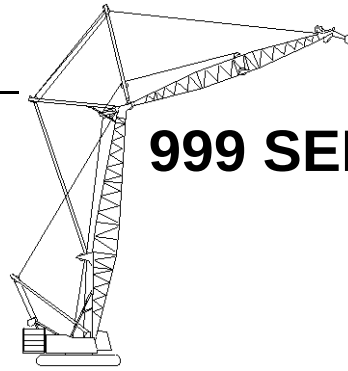
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	27,500	
105										23.1	165.1	14,100*	39.2	181.8	18,700*	50.5	189.6	24,700	
110													32.9	174.6	16,500*	45.6	184.9	21,900*	
115													25.1	165.0	14,600*	40.1	179.2	19,200*	
120													13.1	149.2	13,000*	33.9	172.2	17,000*	
125																26.4	163.0	15,000*	
130																15.6	148.9	13,300*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 160 Ft. Jib

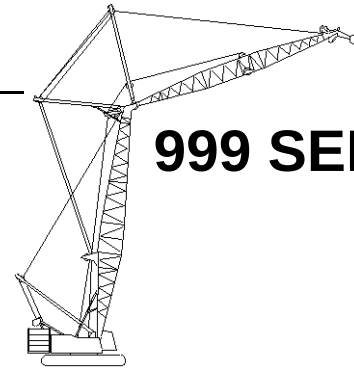
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	40,800			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	24,600	
110							18.3	163.0	14,300*	29.5	178.1	16,800*	42.0	191.5	21,800*	51.7	198.5	22,100	
115										21.7	167.0	15,000*	36.8	185.1	19,500*	47.4	194.0	19,800	
120													30.9	177.3	17,400*	42.7	188.8	17,700	
125													23.5	167.0	15,600*	37.6	182.6	15,800	
130													12.3	150.1	14,000*	31.8	175.0	14,000	
135																24.8	165.2	12,300	
140																14.6	150.1	10,600	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 170 Ft. Jib

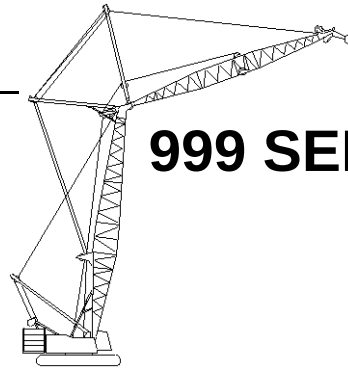
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	24,200	100
105										23.1	165.1	13,000*	39.2	181.8	17,200*	50.5	189.6	21,300	105
110													32.9	174.6	15,200*	45.6	184.9	18,600	110
115													25.1	165.0	13,500*	40.1	179.2	16,200	115
120													13.1	149.2	12,000*	33.9	172.2	14,000	120
125																26.4	163.0	11,900	125
130																15.6	148.9	9,900	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 180 Ft. Jib

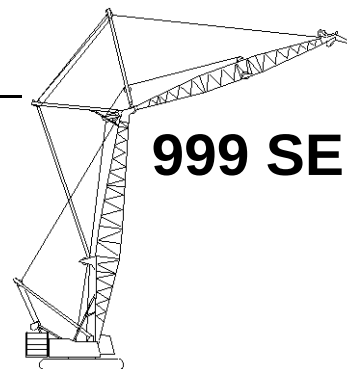
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	37,600			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	21,400	
110							18.3	163.0	13,000*	29.5	178.1	15,200*	42.0	191.5	19,900*	51.7	198.5	18,800	
115										21.7	167.0	13,700*	36.8	185.1	17,700*	47.4	194.0	16,500	
120													30.9	177.3	15,800*	42.7	188.8	14,300	
125													23.5	167.0	13,800	37.6	182.6	12,300	
130													12.3	150.1	11,600	31.8	175.0	10,500	
135																24.8	165.2	8,800	
140																14.6	150.1	7,000	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 190 Ft. Jib

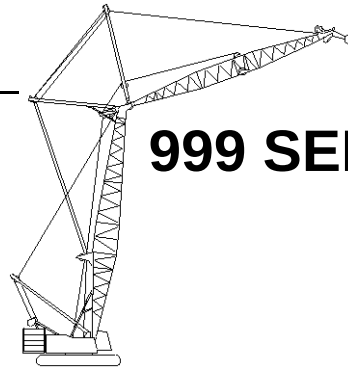
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	100	
105										23.1	165.1	11,900*	39.2	181.8	15,900*	50.5	189.6	105	
110													32.9	174.6	14,000*	45.6	184.9	110	
115													25.1	165.0	12,400*	40.1	179.2	115	
120													13.1	149.2	11,000*	33.9	172.2	120	
125																26.4	163.0	125	
130																15.6	148.9	130	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

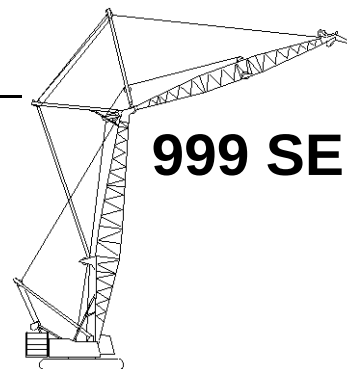
130 Ft. Boom, 200 Ft. Jib

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	73.8	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	34,600				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	30,300				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	26,500				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	23,100				100
105				13.8	157.1	11,300*	27.1	175.8	13,300*	35.7	186.3	15,600*	46.7	196.9	20,000	55.7	202.4	18,400	105
110							18.3	163.0	11,900*	29.5	178.1	14,000*	42.0	191.5	17,300	51.7	198.5	15,800	110
115										21.7	167.0	12,500*	36.8	185.1	14,700	47.4	194.0	13,400	115
120													30.9	177.3	12,400	42.7	188.8	11,200	120
125													23.5	167.0	10,200	37.6	182.6	9,100	125
130													12.3	150.1	8,000	31.8	175.0	7,200	130
135																24.8	165.2	5,400	135

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 210 Ft. Jib

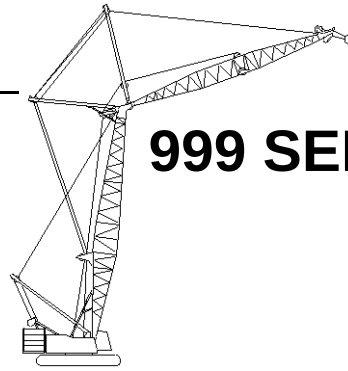
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	30,700			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	26,900			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	23,600			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	20,600			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	17,900	56.2	211.1	16,200	110
115				13.1	158.1	11,200*	25.6	178.0	13,000*	33.7	189.3	15,100*	44.1	200.9	15,400	52.6	207.3	13,800	115
120							17.3	164.4	11,700*	27.9	180.5	13,600*	39.7	195.1	13,100	48.8	203.1	11,600	120
125										20.5	168.7	12,300	34.8	188.2	11,100	44.7	198.1	9,700	125
130													29.2	179.8	9,100	40.4	192.5	7,800	130
135													22.2	168.9	7,300	35.6	185.8	6,100	135
140													11.6	151.1	5,500	30.1	177.6	4,500	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

130 Ft. Boom, 220 Ft. Jib

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	74.1	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	27,000	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	23,700	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	20,800	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	18,100	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	15,700	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	13,500	120
125				12.4	159.1	8,400*	24.3	180.1	10,000*	32.0	192.1	11,900*	41.9	204.8	11,400	125
130							16.4	165.8	8,900*	26.5	182.8	10,600*	37.7	198.5	9,500	130
135										19.5	170.4	9,100	33.1	191.2	7,800	135
140													27.7	182.3	6,200	140
145													21.1	170.7	4,600	145



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

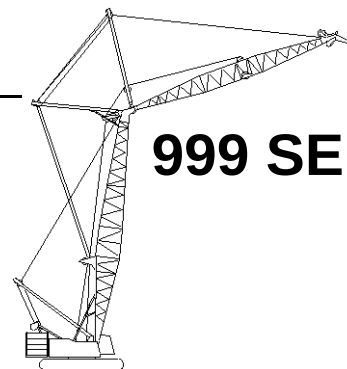
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

130 Ft. Boom, 230 Ft. Jib

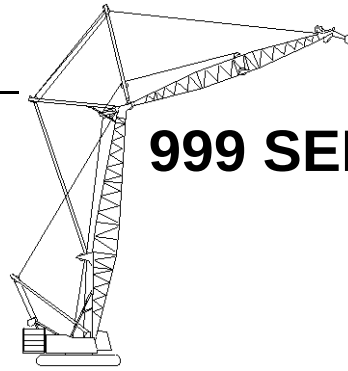
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.	
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	24,100	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	21,200	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	18,500	110
115	32.5	200.4	11,700*	36.4	207.0	13,200*	41.7	214.9	15,500*	46.4	220.9	18,100	53.4	227.9	16,100	115
120	27.5	191.4	10,500*	32.0	199.3	11,800*	37.9	208.6	14,000*	42.9	215.7	15,800	50.3	223.8	14,000	120
125	21.5	179.9	9,500*	27.0	190.1	10,600*	33.6	201.4	12,600*	39.2	209.7	13,700	47.1	219.3	11,900	125
130	13.0	162.7	6,000*	20.9	178.3	9,600*	28.9	192.8	11,300*	35.1	202.9	11,700	43.7	214.2	10,100	130
135				11.8	160.1	5,900*	23.2	182.1	10,200*	30.6	194.8	9,900	40.0	208.4	8,400	135
140							15.6	167.1	9,000	25.3	185.0	8,300	36.0	201.7	6,800	140
145										18.6	171.9	6,700	31.6	194.0	5,300	145



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

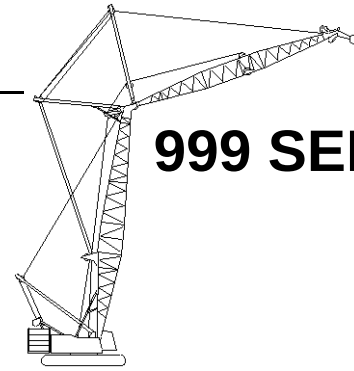
130 Ft. Boom, 240 Ft. Jib

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	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	
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*	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*	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*	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*	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*	125
130	26.4	193.7	7,900*	30.7	202.1	9,100*	36.3	211.9	10,800*	41.1	219.4	12,000	130
135	20.6	181.7	7,000*	25.9	192.4	8,000*	32.2	204.3	9,700*	37.6	213.1	10,200	135
140				20.0	180.0	7,000*	27.7	195.3	8,600*	33.7	205.9	8,600	140
145							22.3	184.1	7,600*	29.3	197.4	7,000	145
150							15.0	168.4	5,900*	24.3	187.1	5,600	150
155										17.8	173.4	4,200	155

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 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

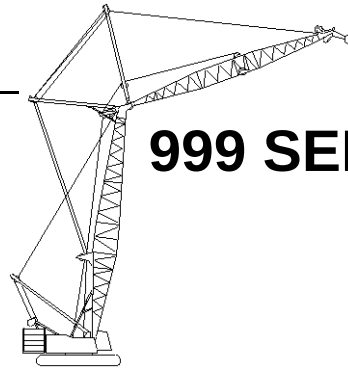
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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

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

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



999 SERIES 2

140 Ft. Boom, 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	
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

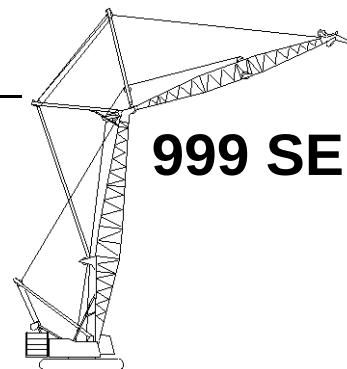
140 Ft. Boom, 100 Ft. Jib

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

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

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



999 SERIES 2

140 Ft. Boom, 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		
30	68.2	184.0	40,500*															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

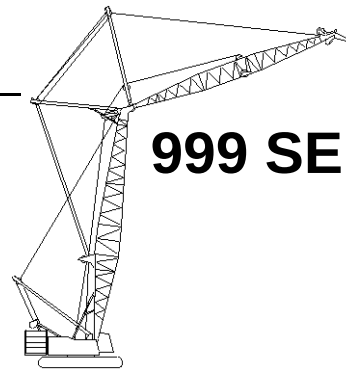
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet									
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate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



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 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					
30	75.8	205.3	59,000*	70.6	203.2	50,800*	67.8	201.2	43,800*	64.8	198.7	38,100*	59.3	195.8	30,300*	61.4	194.1	33,200*	57.5	188.1	28,900*						
35	70.7	203.6	50,900*																								
40	65.5	201.3	38,600*																								
45	59.9	198.5	30,600*																								
50	54.1	195.0	25,000*																								
55	47.7	190.6	20,800*	53.9	194.6	25,000*	62.4	198.7	34,100*	59.3	195.8	30,300*	61.4	194.1	33,200*	57.5	188.1	28,900*	51.4	184.2	23,800*						
60	40.5	185.1	17,500*	47.5	190.2	20,800*	56.7	195.5	27,500*																		
65	32.0	177.8	14,900*	40.3	184.6	17,500*	50.5	191.5	22,700*																		
70	20.2	166.5	12,900*	31.7	177.2	15,000*	43.7	186.5	19,000*																		
75				19.8	165.8	12,800*	35.9	180.1	16,200*																		
80							25.9	171.0	13,800*	39.6	182.0	17,500*	55.6	190.8	26,900*	49.4	186.7	22,300*	37.1	173.2	16,900*						
85																						47.5	190.2	20,800*	56.7	195.5	27,500*
90																						40.3	184.6	17,500*	50.5	191.5	22,700*
95																						31.7	177.2	15,000*	43.7	186.5	19,000*
100																						19.8	165.8	12,800*	35.9	180.1	16,200*
105										30.8	174.3	14,900*	49.4	186.7	22,300*	51.4	184.2	23,800*	27.6	164.6	14,500*						
110																						47.5	190.2	20,800*	56.7	195.5	27,500*

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 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	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	29,400	
100										16.7	163.5	13,100*	39.0	185.0	18,300*	52.7	193.1	26,200	
105													31.6	177.4	15,900*	47.2	188.6	22,500*	
110													21.8	166.7	13,800*	41.1	183.1	19,300*	
115																34.1	176.2	16,800*	
120																25.3	166.8	14,600*	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

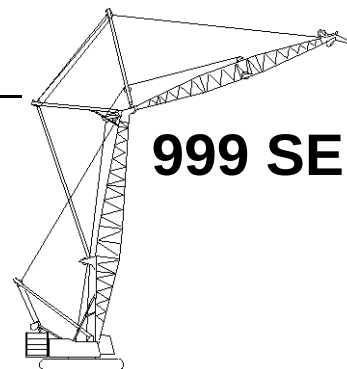
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

140 Ft. Boom, 150 Ft. Jib

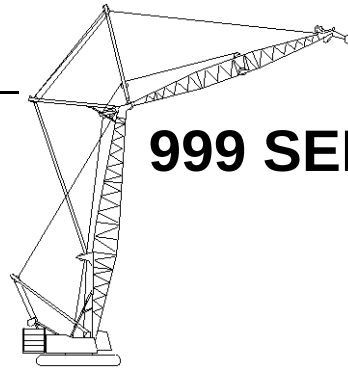
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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*	53.7	201.9	23,900	
110										15.4	164.8	13,100*	36.3	188.2	17,600*	49.0	197.6	21,400	
115													29.4	180.0	15,600*	43.9	192.6	19,100	
120													20.3	168.4	13,800*	38.3	186.6	17,000	
125																31.7	179.0	15,100	
130																23.5	168.8	13,200	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 160 Ft. Jib

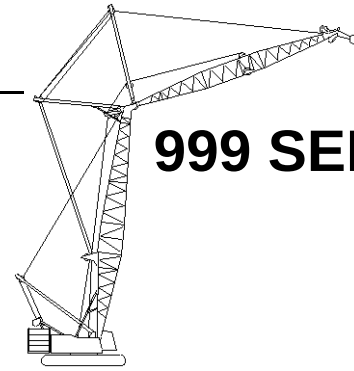
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	36,000			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	32,400			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	29,200			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	21,300	110
115										24.7	181.1	15,600*	39.6	198.3	20,700*	50.3	206.6	19,100	115
120										14.5	166.0	14,000*	34.1	191.2	18,500*	46.0	201.9	17,000	120
125													27.6	182.4	16,500*	41.2	196.4	15,200	125
130													19.0	170.0	14,800*	35.9	189.8	13,400	130
135																29.8	181.6	11,800	135
140																22.1	170.7	10,200	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 170 Ft. Jib

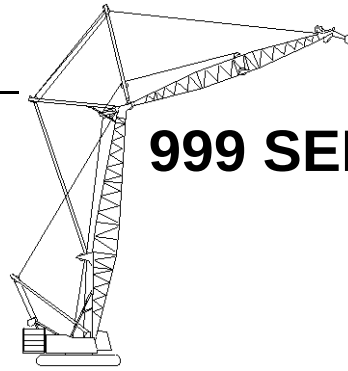
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	20,700	105
110										15.4	164.8	12,000*	36.3	188.2	16,300*	49.0	197.6	18,100	110
115													29.4	180.0	14,400*	43.9	192.6	15,700	115
120													20.3	168.4	12,700*	38.3	186.6	13,500	120
125																31.7	179.0	11,500	125
130																23.5	168.8	9,600	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 180 Ft. Jib

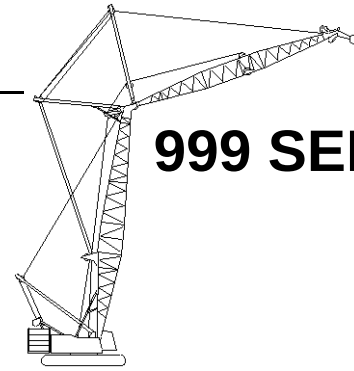
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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	32,800				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	29,100				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	25,800				100
105				15.8	170.0	12,600*	28.8	188.2	14,900*	37.6	198.6	17,800*	49.0	209.0	22,900				105
110							20.8	176.6	13,400*	31.8	191.0	15,900*	44.5	204.1	20,200	54.5	210.6	18,200	110
115										24.7	181.1	14,200*	39.6	198.3	17,700	50.3	206.6	15,900	115
120										14.5	166.0	12,700*	34.1	191.2	15,500	46.0	201.9	13,800	120
125													27.6	182.4	13,400	41.2	196.4	11,800	125
130													19.0	170.0	11,400	35.9	189.8	10,000	130
135																29.8	181.6	8,300	135
140																22.1	170.7	6,700	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 190 Ft. Jib

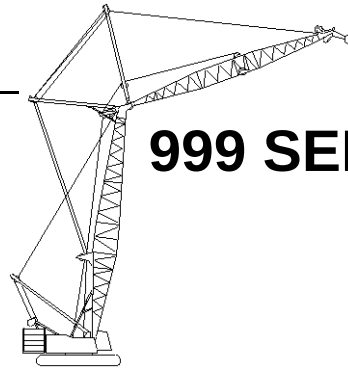
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	75.7	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	17,700	105
110										15.4	164.8	11,000*	36.3	188.2	15,000*	49.0	197.6	15,000	110
115													29.4	180.0	13,200*	43.9	192.6	12,500	115
120													20.3	168.4	11,200	38.3	186.6	10,200	120
125																31.7	179.0	8,100	125
130																23.5	168.8	6,100	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

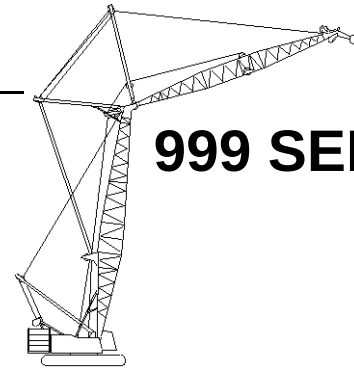
140 Ft. Boom, 200 Ft. Jib

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	29,800			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	26,000			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	22,700			100	
105				15.8	170.0	11,500*	28.8	188.2	13,600*	37.6	198.6	16,300*	49.0	209.0	19,600			105	
110							20.8	176.6	12,200*	31.8	191.0	14,500*	44.5	204.1	16,900	54.5	210.6	15,300	110
115										24.7	181.1	13,000*	39.6	198.3	14,400	50.3	206.6	12,900	115
120										14.5	166.0	11,600*	34.1	191.2	12,100	46.0	201.9	10,700	120
125													27.6	182.4	10,000	41.2	196.4	8,700	125
130													19.0	170.0	7,900	35.9	189.8	6,800	130
135																29.8	181.6	5,100	135

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 210 Ft. Jib

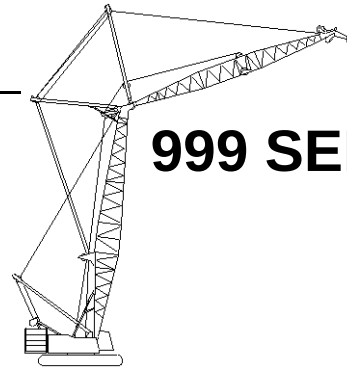
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
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	26,400	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	23,100	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	20,100	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	17,500	110
115				14.9	171.2	11,300*	27.2	190.5	13,300*	35.5	201.8	15,700*	46.2	213.3	15,000	115
120							19.6	178.3	12,000*	30.0	193.6	14,100*	42.0	207.9	12,800	120
125										23.3	183.1	12,200	37.4	201.6	10,700	125
130										13.6	167.1	10,000	32.2	194.1	8,800	130
135													26.1	184.6	7,000	135
140													17.9	171.5	5,300	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 220 Ft. Jib

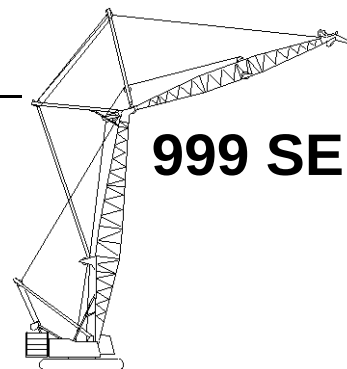
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	74.3	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	23,200	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	20,300	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	17,600	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	15,200	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	13,000	120
125				14.1	172.3	8,500*	25.9	192.8	10,200*	33.8	204.8	12,400*	43.9	217.3	11,000	125
130							18.7	179.9	9,100*	28.5	196.1	10,800	39.9	211.5	9,200	130
135										22.2	185.0	9,000	35.5	204.8	7,500	135
140										12.9	168.1	7,100	30.6	196.8	5,800	140
145													24.8	186.8	4,300	145



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

140 Ft. Boom, 230 Ft. Jib

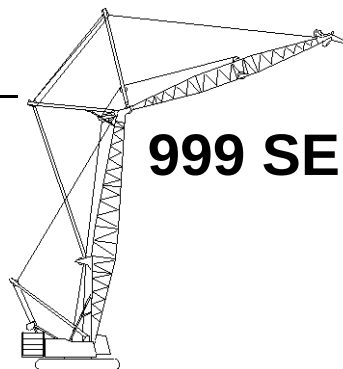
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
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	23,100	105
110	37.1	218.4	13,100*	40.9	224.3	14,900*	46.1	231.5	17,800*	50.8	236.9	20,300	110
115	32.8	211.0	11,800*	37.0	217.9	13,300*	42.6	226.2	16,000*	47.5	232.5	17,800	115
120	27.9	202.1	10,600*	32.7	210.5	12,000*	38.8	220.1	14,300*	44.2	227.4	15,500	120
125	22.0	190.8	9,500*	27.8	201.5	10,700*	34.7	213.2	12,900*	40.5	221.7	13,400	125
130	13.7	174.3	5,400*	21.8	190.2	9,700*	30.1	205.0	11,600*	36.6	215.2	11,500	130
135				13.5	173.4	6,000*	24.7	194.9	10,400*	32.2	207.6	9,700	135
140							17.8	181.4	8,900	27.3	198.5	8,100	140
145										21.2	186.9	6,500	145
150										12.3	169.1	4,900	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

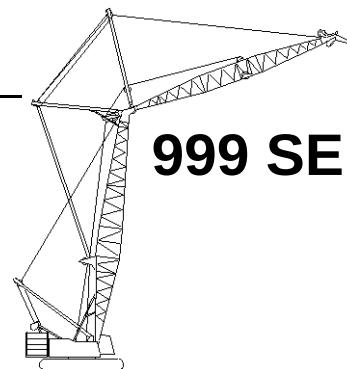
140 Ft. Boom, 240 Ft. Jib

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	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		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*	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*	115
120	35.5	221.6	10,200*	39.2	227.9	11,700*	44.1	235.5	13,700*	48.6	241.5	15,700*	120
125	31.4	213.8	9,000*	35.5	221.1	10,400*	40.8	229.9	12,300*	45.5	236.7	13,600*	125
130	26.8	204.4	7,900*	31.3	213.2	9,200*	37.2	223.5	11,200*	42.3	231.3	11,700*	130
135	21.1	192.6	7,000*	26.6	203.8	8,100*	33.3	216.2	10,000*	38.8	225.2	10,000	135
140				20.9	192.0	7,100*	28.9	207.5	8,800*	35.1	218.4	8,300	140
145							23.7	197.0	7,800	30.9	210.4	6,800	145
150							17.1	182.8	6,300	26.1	200.8	5,400	150
155										20.3	188.6	4,000	155

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

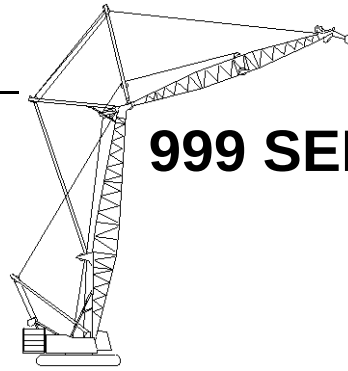
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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

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

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



999 SERIES 2

150 Ft. Boom, 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	
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

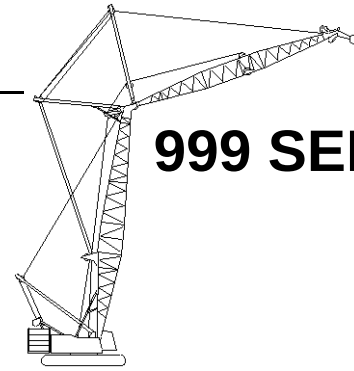
150 Ft. Boom, 100 Ft. Jib

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		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	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

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

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



999 SERIES 2

150 Ft. Boom, 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		
30	68.7	194.1	41,900*	69.1	193.9	43,100*	65.6	191.9	36,800*	61.8	189.4	31,800*	57.9	184.9	28,000*	53.2	178.8	24,500*	30
35	60.5	191.4	29,600*																35
40	51.5	187.6	22,400*																40
45	40.9	182.3	17,800*																45
50	26.7	173.9	14,400*																50
55				27.5	174.0	14,600*	47.5	184.5	20,600*	52.9	185.8	23,800*	48.5	180.7	21,500*	43.0	173.8	19,200*	55
60																			60
65																			65
70																			70
75																			75
80													37.2	174.7	17,100*	53.2	178.8	24,500*	80
85													20.6	164.4	13,900*	43.0	173.8	19,200*	85
90																29.9	166.2	15,500*	90
95																		15,500*	95

150 Ft. Boom, 120 Ft. Jib

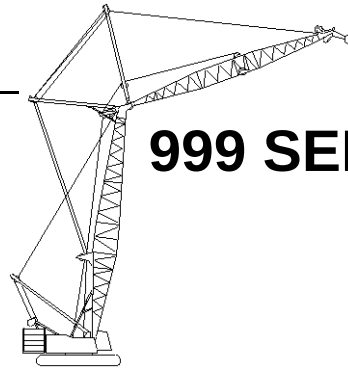
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
30	73.2	204.9	58,800*	73.5	204.6	59,000*	70.8	202.9	51,500*										
35	67.0	202.8	41,200*																
40	60.4	200.1	31,100*																
45	53.3	196.5	24,500*																
50	45.4	191.8	19,900*																
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*							
60	23.5	175.8	13,800*																
65																			
70																			
75																			
80												14,400*	51.1	189.7	23,700*				
85																			
90																			
95																			
100																			
105																			



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 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	
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

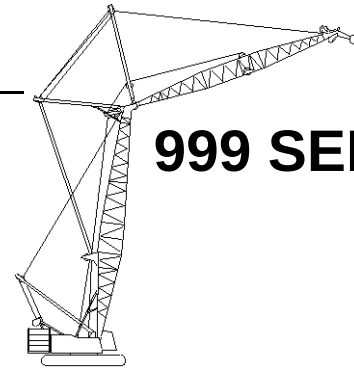
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	25,400	100
105													35.6	191.3	17,200*	51.1	201.1	22,600	105
110													27.3	182.5	14,900*	45.4	196.4	20,000	110
115													14.8	168.2	13,000*	39.0	190.5	17,700	115
120																31.6	183.0	15,600	120
125																21.8	172.2	13,500	125



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 150 Ft. Jib

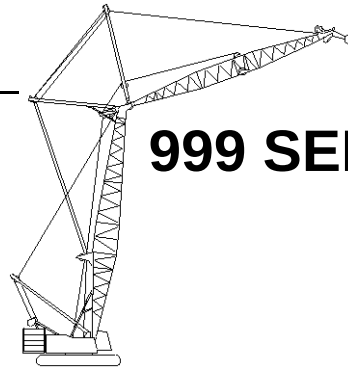
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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							12.0	171.2	12,700*	29.1	192.4	15,400*	45.0	207.2	21,500*	56.8	213.8	23,100	105
110										19.9	180.6	13,600*	39.4	201.4	18,900*	52.3	210.0	20,600	110
115													33.1	194.2	16,700*	47.4	205.5	18,300	115
120													25.4	184.7	14,700*	42.2	200.2	16,300	120
125													13.8	169.3	13,100*	36.3	193.8	14,400	125
130																29.4	185.5	12,600	130
135																20.3	173.9	10,900	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 160 Ft. Jib

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	35,200			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	31,600			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	28,500			100	
105				17.5	182.5	14,100*	30.5	200.4	16,900*	39.4	210.8	20,400*	51.2	220.9	25,600			105	
110							23.0	189.8	15,100*	33.9	203.7	18,200*	46.9	216.4	23,000	57.1	222.5	20,400	110
115							11.2	172.1	13,600*	27.4	194.8	16,200*	42.2	211.1	20,700	53.2	218.8	18,200	115
120										18.7	182.2	14,600*	37.0	204.7	18,600	49.0	214.6	16,200	120
125													31.1	196.9	16,600	44.5	209.6	14,400	125
130													23.8	186.7	14,700	39.6	203.8	12,700	130
135													12.9	170.4	12,800	34.1	196.8	11,100	135
140																27.6	187.9	9,600	140
145																19.0	175.5	8,200	145



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

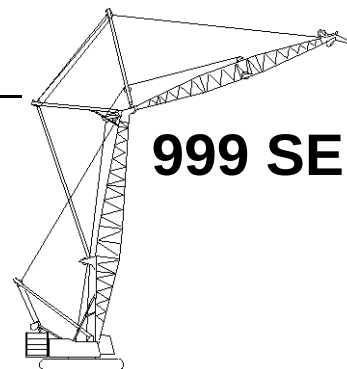
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

150 Ft. Boom, 170 Ft. Jib

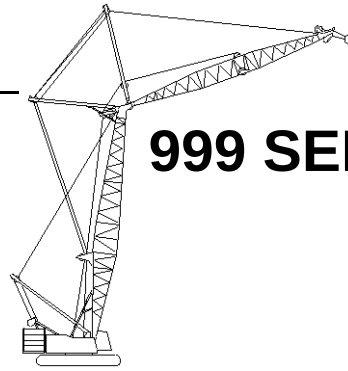
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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							12.0	171.2	11,700*	29.1	192.4	14,100*	45.0	207.2	19,900*	56.8	213.8	19,900	
110										19.9	180.6	12,500*	39.4	201.4	17,400*	52.3	210.0	17,400	
115													33.1	194.2	15,400*	47.4	205.5	15,000	
120													25.4	184.7	13,600*	42.2	200.2	12,900	
125													13.8	169.3	12,100*	36.3	193.8	10,900	
130																29.4	185.5	9,100	
135																20.3	173.9	7,300	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 180 Ft. Jib

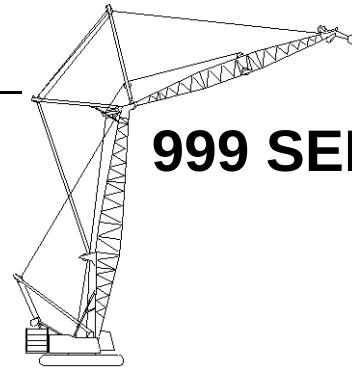
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	32,100			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	28,400			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	25,200			100	
105				17.5	182.5	12,700*	30.5	200.4	15,300*	39.4	210.8	18,600*	51.2	220.9	22,300			105	
110							23.0	189.8	13,700*	33.9	203.7	16,500*	46.9	216.4	19,600	57.1	222.5	17,400	110
115							11.2	172.1	12,400*	27.4	194.8	14,800*	42.2	211.1	17,200	53.2	218.8	15,100	115
120										18.7	182.2	13,200*	37.0	204.7	15,000	49.0	214.6	13,000	120
125													31.1	196.9	13,000	44.5	209.6	11,100	125
130													23.8	186.7	11,100	39.6	203.8	9,400	130
135													12.9	170.4	9,200	34.1	196.8	7,700	135
140																27.6	187.9	6,200	140
145																19.0	175.5	4,700	145



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 190 Ft. Jib

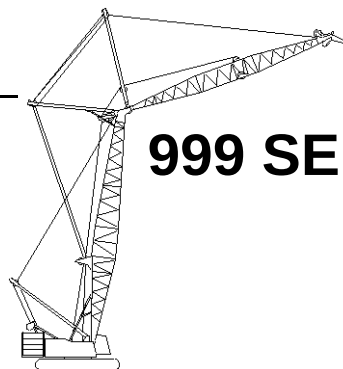
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	15,800	52.3	210.0	14,400	110
115													33.1	194.2	13,300	47.4	205.5	11,900	115
120													25.4	184.7	10,900	42.2	200.2	9,700	120
125													13.8	169.3	8,500	36.3	193.8	7,700	125
130																29.4	185.5	5,700	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

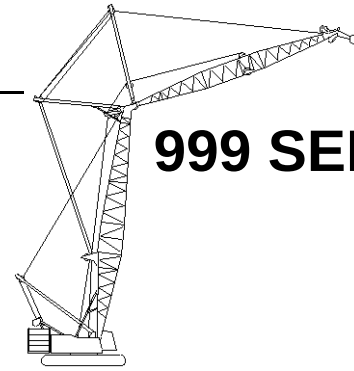
150 Ft. Boom, 200 Ft. Jib

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	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	29,200	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	25,500	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	22,100	100
105				17.5	182.5	11,600*	30.5	200.4	14,000*	39.4	210.8	17,000*	51.2	220.9	19,100	105
110							23.0	189.8	12,500*	33.9	203.7	15,100*	46.9	216.4	16,400	110
115							11.2	172.1	11,300*	27.4	194.8	13,500*	42.2	211.1	14,000	115
120										18.7	182.2	12,100*	37.0	204.7	11,700	120
125													31.1	196.9	9,600	125
130													23.8	186.7	7,600	130
135													12.9	170.4	5,700	135

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 210 Ft. Jib

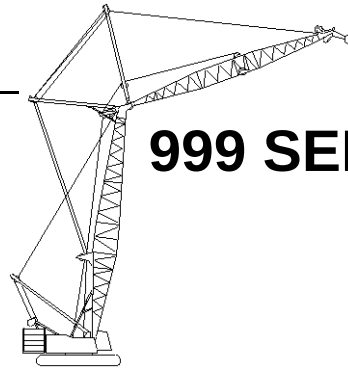
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
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	25,800	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	22,500	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	19,600	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	16,900	110
115				16.5	183.9	11,400*	28.8	202.9	13,600*	37.3	214.1	16,300*	48.3	225.4	14,500	115
120							21.7	191.7	12,300*	32.0	206.5	14,100	44.3	220.4	12,300	120
125							10.6	172.9	11,200*	25.9	197.0	12,000	39.9	214.7	10,300	125
130										17.7	183.7	9,900	35.0	207.8	8,400	130
135													29.4	199.5	6,700	135
140													22.5	188.6	5,000	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

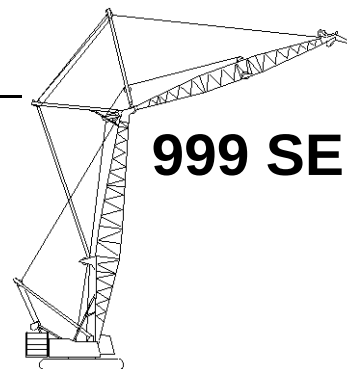
150 Ft. Boom, 220 Ft. Jib

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	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	
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*	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*	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*	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*	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*	120
125				15.7	185.2	8,600*	27.4	205.3	10,500*	35.4	217.3	12,500	125
130							20.7	193.4	9,300*	30.5	209.2	10,600	130
135							10.0	173.7	7,200*	24.6	199.1	8,700	135
140										16.8	185.1	7,000	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 230 Ft. Jib

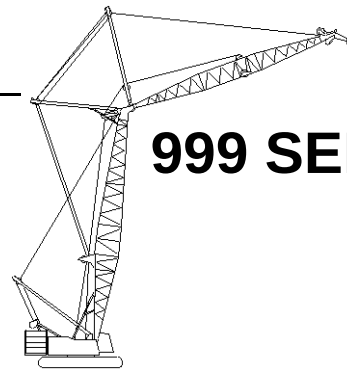
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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	29,100	95
100	44.8	240.8	16,400*	48.3	245.6	18,800*	53.2	251.3	22,800*	57.8	255.5	25,700	100
105	41.2	235.2	14,700*	45.0	240.7	16,800*	50.1	247.2	20,400*	54.9	252.1	22,700	105
110	37.4	228.9	13,100*	41.4	235.1	15,000*	46.9	242.6	18,200*	51.8	248.2	19,900	110
115	33.1	221.5	11,800*	37.6	228.9	13,500*	43.4	237.5	16,300*	48.7	243.9	17,500	115
120	28.3	212.8	10,600*	33.3	221.6	12,100*	39.8	231.6	14,700*	45.4	239.1	15,200	120
125	22.5	201.7	9,500*	28.5	212.9	10,800*	35.8	224.9	13,200*	41.8	233.6	13,100	125
130	14.5	185.8	6,100*	22.8	201.9	9,700*	31.3	217.1	11,800*	38.0	227.4	11,200	130
135				14.9	186.4	7,200*	26.1	207.5	10,600	33.8	220.3	9,500	135
140							19.7	195.1	8,800	29.1	211.8	7,800	140
145										23.5	201.2	6,300	145
150										16.0	186.4	4,700	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

150 Ft. Boom, 240 Ft. Jib

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	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	20,000	110
115	39.5	238.8	11,500*	43.1	244.6	13,200*	48.0	251.7	15,600*	52.5	257.0	17,600	115
120	35.8	232.1	10,200*	39.7	238.7	11,900*	44.9	246.7	14,100*	49.6	252.9	15,400	120
125	31.7	224.4	9,000*	36.0	232.1	10,500*	41.6	241.2	12,700*	46.6	248.2	13,300	125
130	27.1	215.1	7,900*	31.9	224.4	9,300*	38.1	235.1	11,500*	43.4	243.1	11,400	130
135	21.5	203.6	7,000*	27.3	215.2	8,200*	34.3	228.0	10,200*	40.1	237.3	9,700	135
140				21.8	203.8	7,200*	30.0	219.7	9,100*	36.4	230.7	8,100	140
145							25.1	209.7	7,700	32.4	223.2	6,600	145
150							18.9	196.7	6,200	27.9	214.2	5,100	150



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

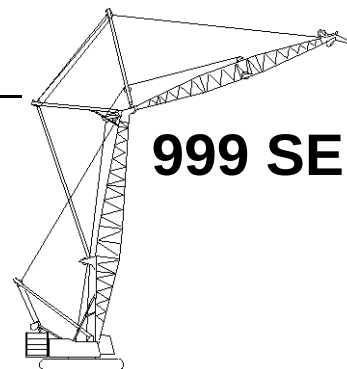
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

160 Ft. Boom, 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	
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

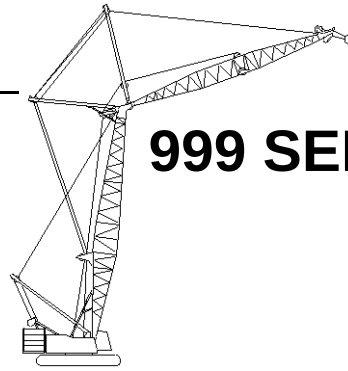
Int. Fall	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
Oper. Rad. Feet	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	Oper. Rad. Feet
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

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

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



999 SERIES 2

160 Ft. Boom, 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		
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

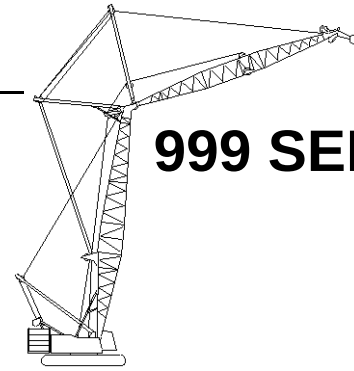
160 Ft. Boom, 100 Ft. Jib

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	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	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*				95
100																52.3	195.7	28,500*	100
105																44.3	190.9	23,100*	105
110																34.7	184.2	19,100*	110
																21.3	173.8	16,000*	110

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 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		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
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

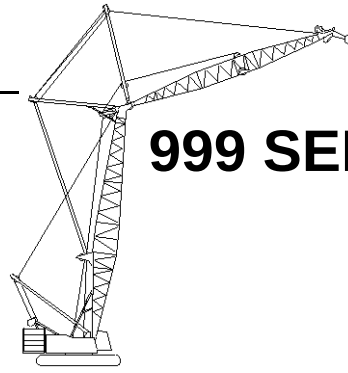
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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*				95
100																52.3	195.7	25,000*	100
105																44.3	190.9	20,300*	105
110																34.7	184.2	16,800*	110
																21.3	173.8	14,100*	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 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	24,500	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

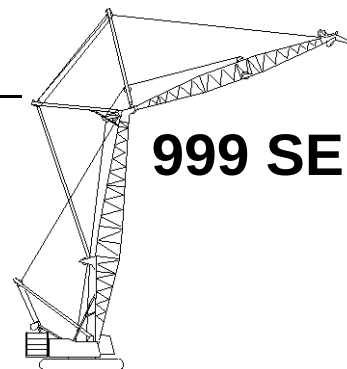
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	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	21,800	105
110													31.9	197.1	16,100*	49.3	209.1	19,300	110
115													22.2	186.5	14,000*	43.5	204.1	17,100	115
120																36.8	197.8	15,000	120
125																28.9	189.5	13,000	125
130																17.6	176.8	11,100	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 150 Ft. Jib

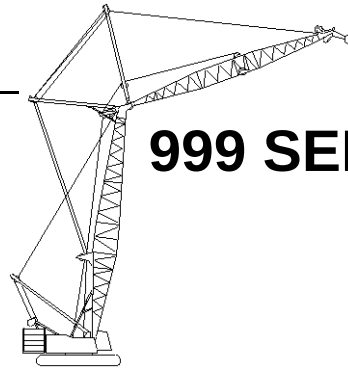
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	34,600			90	
95				20.3	193.2	13,400*	34.1	209.6	16,600*	43.9	219.0	20,800*	56.9	227.7	31,000			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	19,800	110
115													36.5	207.8	17,800*	50.8	218.1	17,600	115
120													29.6	199.6	15,800*	45.8	213.4	15,600	120
125													20.7	188.2	14,000*	40.4	207.7	13,700	125
130																34.3	200.8	12,000	130
135																26.8	191.8	10,400	135
140																16.4	178.1	8,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 160 Ft. Jib

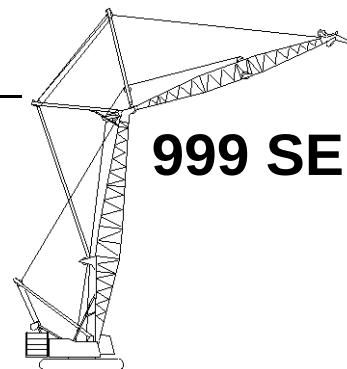
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	30,900			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	27,800			100	
105				19.0	194.8	14,300*	32.0	212.4	17,400*	41.2	222.8	21,300*	53.3	232.7	25,000			105	
110							25.0	202.7	15,500*	35.9	216.2	18,900*	49.1	228.5	22,400			110	
115							15.0	187.9	13,900*	29.8	208.0	16,900*	44.7	223.6	20,100	55.9	230.8	17,400	115
120										22.1	197.1	15,100*	39.8	217.8	18,000	51.9	226.9	15,500	120
125													34.3	210.8	16,100	47.6	222.5	13,700	125
130													27.8	202.1	14,200	43.0	217.3	12,000	130
135													19.4	189.8	12,500	37.9	211.1	10,500	135
140																32.2	203.6	9,000	140
145																25.2	194.0	7,700	145
150																15.3	179.4	6,300	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 170 Ft. Jib

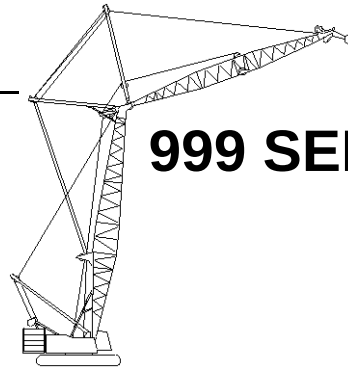
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	31,400			90	
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	19,200*	56.9	227.7	27,700			95	
100							26.7	200.5	13,500*	38.3	213.0	16,800*	52.4	223.9	24,400			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	16,700	110
115													36.5	207.8	16,400	50.8	218.1	14,400	115
120													29.6	199.6	14,100	45.8	213.4	12,300	120
125													20.7	188.2	12,000	40.4	207.7	10,400	125
130																34.3	200.8	8,600	130
135																26.8	191.8	6,900	135
140																16.4	178.1	5,200	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

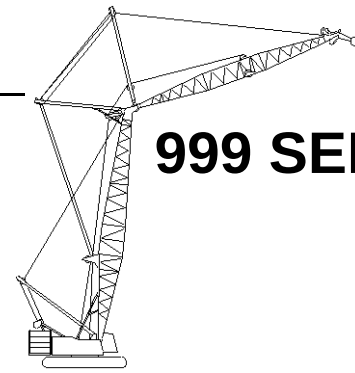
160 Ft. Boom, 180 Ft. Jib

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	27,800			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	24,600			100	
105				19.0	194.8	12,900*	32.0	212.4	15,800*	41.2	222.8	19,400*	53.3	232.7	21,700			105	
110							25.0	202.7	14,100*	35.9	216.2	17,200*	49.1	228.5	19,100			110	
115							15.0	187.9	12,600*	29.8	208.0	15,400*	44.7	223.6	16,700	55.9	230.8	14,400	115
120										22.1	197.1	13,700*	39.8	217.8	14,600	51.9	226.9	12,400	120
125													34.3	210.8	12,600	47.6	222.5	10,500	125
130													27.8	202.1	10,700	43.0	217.3	8,800	130
135													19.4	189.8	8,900	37.9	211.1	7,200	135
140																32.2	203.6	5,700	140
145																25.2	194.0	4,300	145

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 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	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	28,400	90
95				20.3	193.2	11,300*	34.1	209.6	14,000*	43.9	219.0	17,700*	56.9	227.7	24,600	95
100							26.7	200.5	12,400*	38.3	213.0	15,500*	52.4	223.9	21,300	100
105							16.1	186.7	11,000*	31.7	205.4	13,600*	47.6	219.5	18,200	105
110										23.6	195.2	12,000*	42.4	214.2	15,500	110
115													36.5	207.8	13,000	115
120													29.6	199.6	10,600	120
125													20.7	188.2	8,400	125

160 Ft. Boom, 200 Ft. Jib

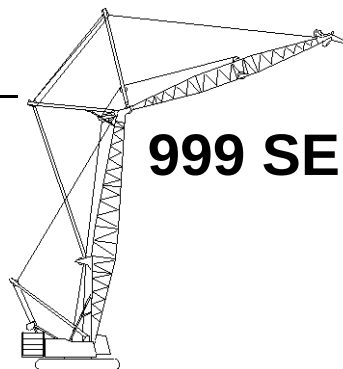
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	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	24,900	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	21,600	100
105				19.0	194.8	11,800*	32.0	212.4	14,400*	41.2	222.8	17,800*	53.3	232.7	18,600	105
110							25.0	202.7	12,900*	35.9	216.2	15,800*	49.1	228.5	16,000	110
115							15.0	187.9	11,500*	29.8	208.0	14,100*	44.7	223.6	13,500	115
120										22.1	197.1	12,600*	39.8	217.8	11,300	120
125													34.3	210.8	9,200	125
130													27.8	202.1	7,300	130
135													19.4	189.8	5,500	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

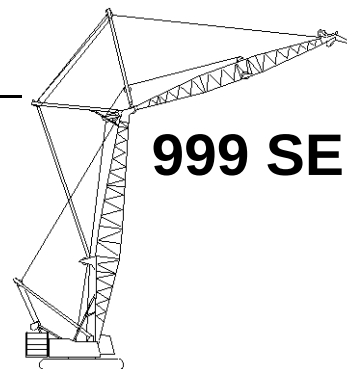
160 Ft. Boom, 210 Ft. Jib

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	73.1	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	21,900	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	19,000	105
110	16.8	194.7	11,200*	26.1	209.4	12,700*	35.7	223.1	15,500*	43.4	232.2	18,700	54.0	241.5	16,400	110
115				17.9	196.3	11,500*	30.3	215.1	14,000*	38.9	226.3	16,200	50.3	237.4	14,000	115
120							23.7	204.7	12,600*	33.9	219.2	13,900	46.4	232.8	11,900	120
125							14.2	189.0	11,400*	28.2	210.5	11,700	42.2	227.4	9,900	125
130										20.9	198.8	9,700	37.6	221.2	8,000	130
135													32.4	213.7	6,300	135
140													26.3	204.3	4,700	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 220 Ft. Jib

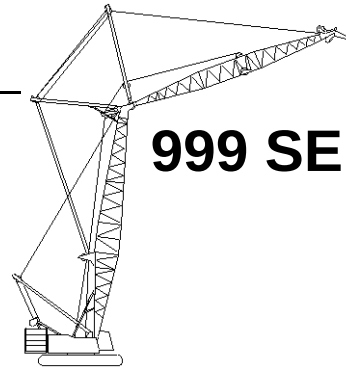
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet	
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*	105
110	30.0	220.9	10,600*	35.5	229.6	12,400*	42.6	239.3	15,500*	48.8	246.4	19,100	110
115	24.0	210.6	9,400*	30.6	221.6	10,900*	38.5	233.3	13,700*	45.1	241.5	16,600	115
120	15.9	196.0	8,400*	24.8	211.6	9,700*	34.0	226.2	12,200*	41.2	236.0	14,300	120
125				17.0	197.7	8,700*	28.8	217.6	10,800*	37.0	229.6	12,200	125
130							22.5	206.6	9,600*	32.3	222.0	10,300	130
135										26.8	212.8	8,500	135
140										19.8	200.5	6,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 230 Ft. Jib

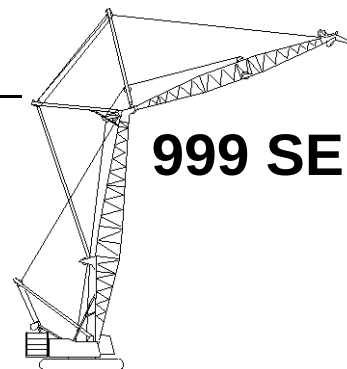
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet	
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	36,700	85
90	51.6	260.4	20,700*	55.0	264.3	24,000*	59.7	268.9	28,600*	64.3	272.2	32,400	90
95	48.4	256.0	18,500*	51.9	260.5	21,300*	56.9	265.7	25,900*	61.6	269.5	28,600	95
100	45.1	251.1	16,500*	48.8	256.2	19,000*	54.0	262.2	23,400*	58.8	266.5	25,300	100
105	41.5	245.6	14,700*	45.5	251.4	17,000*	50.9	258.2	21,000*	55.9	263.2	22,300	105
110	37.7	239.4	13,200*	41.9	245.9	15,200*	47.7	253.7	18,700*	52.9	259.5	19,600	110
115	33.4	232.1	11,800*	38.1	239.8	13,600*	44.3	248.7	16,800*	49.8	255.3	17,100	115
120	28.6	223.4	10,600*	33.9	232.6	12,200*	40.7	243.0	15,000*	46.5	250.7	14,900	120
125	22.9	212.6	9,500*	29.2	224.2	10,900*	36.8	236.6	13,500*	43.1	245.5	12,800	125
130	15.2	197.2	6,700*	23.6	213.6	9,800*	32.4	229.0	12,100*	39.4	239.5	10,900	130
135				16.3	199.1	8,300*	27.5	220.0	10,400	35.3	232.7	9,200	135
140							21.5	208.5	8,700	30.8	224.8	7,600	140
145							12.8	191.2	6,900*	25.6	215.0	6,000	145
150										18.9	202.1	4,500	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

160 Ft. Boom, 240 Ft. Jib

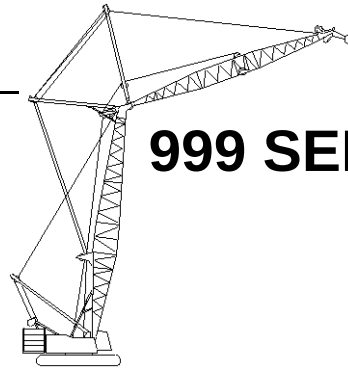
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds	
50	74.8	292.5	50,600*							50
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*	90
95	52.3	269.2	18,000*	55.4	273.0	20,200*	59.8	277.6	24,200*	95
100	49.4	265.0	16,200*	52.6	269.3	18,200*	57.1	274.4	21,800*	100
105	46.4	260.3	14,600*	49.7	265.1	16,500*	54.4	270.9	19,600*	105
110	43.2	255.1	13,100*	46.7	260.5	14,900*	51.6	267.0	17,700*	110
115	39.8	249.2	11,600*	43.5	255.3	13,400*	48.7	262.7	16,000*	115
120	36.1	242.6	10,200*	40.2	249.6	12,000*	45.7	257.9	14,500*	120
125	32.0	234.9	9,000*	36.5	243.0	10,600*	42.4	252.6	13,100*	125
130	27.5	225.8	7,900*	32.5	235.5	9,400*	39.0	246.6	11,800*	130
135	22.0	214.5	6,600*	28.0	226.6	8,300*	35.2	239.7	10,500*	135
140				22.7	215.6	7,300*	31.1	231.8	9,100	140
145				15.6	200.4	4,600*	26.3	222.3	7,500	145
150							20.6	210.2	6,000	150



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 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	
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	35,600b	90
95																47.0	194.7	32,200*	95
100																35.3	188.3	25,700*	100

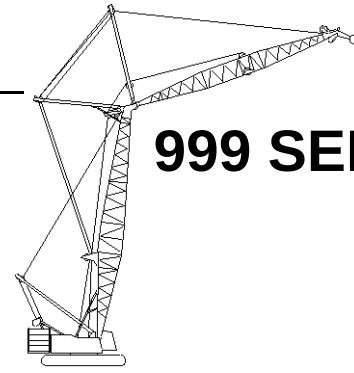
170 Ft. Boom, 80 Ft. Jib

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	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	61.7	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	34,000	90
95																47.0	194.7	26,700*	95
100																35.3	188.3	21,100*	100

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 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*	58.2	204.3	32,000*			75	
80													48.9	200.2	24,000*			80	
85													37.7	194.3	18,800*			85	
90													21.4	184.3	15,100*	56.6	199.0	30,900*	90
95																47.0	194.7	23,300*	95
100																35.3	188.3	18,300*	100

170 Ft. Boom, 100 Ft. Jib

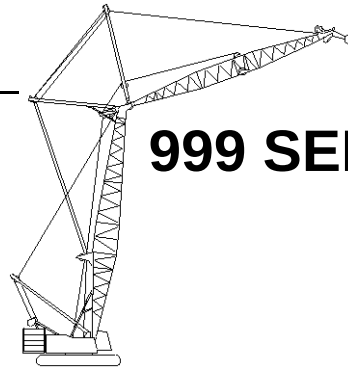
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	67.9	223.1	49,200*																35
40	61.4	220.5	36,600*	69.0	223.2	53,300*													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	29,300	95
100													18.8	185.7	15,600*	49.9	203.7	26,200	100
105																41.5	198.4	22,000*	105
110																31.1	191.0	18,200*	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 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		
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

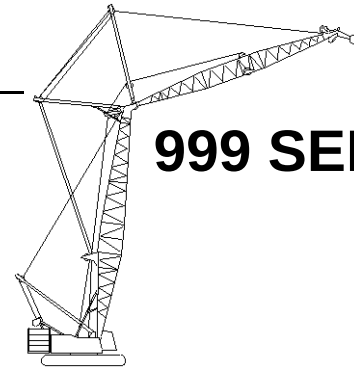
170 Ft. Boom, 120 Ft. Jib

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	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	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	26,500	95
100													18.8	185.7	13,700*	49.9	203.7	23,300	100
105																41.5	198.4	19,300*	105
110																31.1	191.0	16,000*	110

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 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	23,800	
105													30.1	199.8	15,100*	51.8	212.6	21,000	
110													16.9	187.1	13,000*	45.1	207.9	18,500	
115																37.5	201.8	16,100	
120																28.1	193.4	13,900	

170 Ft. Boom, 140 Ft. Jib

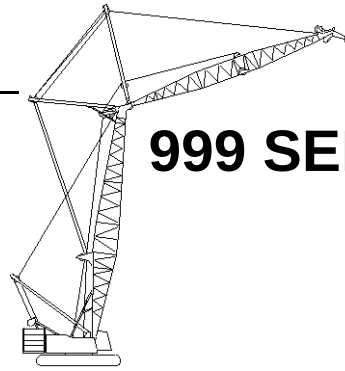
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	18,600	110
115													27.6	202.2	15,100*	47.5	217.0	16,300	115
120													15.5	188.3	13,200*	41.5	211.6	14,300	120
125																34.5	204.8	12,400	125
130																25.9	195.6	10,600	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 150 Ft. Jib

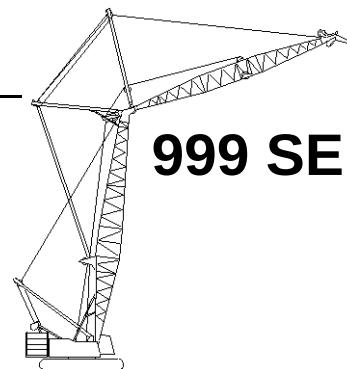
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	72.7	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	30,300			95	
100							28.7	212.9	15,100*	40.3	225.1	19,100*	54.8	235.6	27,200			100	
105							19.2	200.8	13,400*	34.1	218.1	16,800*	50.1	231.5	24,400			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	16,800	115
120													33.4	213.8	16,900*	49.3	226.1	14,900	120
125													25.7	204.4	14,900*	44.2	221.1	13,000	125
130													14.3	189.4	13,200*	38.6	215.1	11,400	130
135																32.1	207.6	9,800	135
140																24.0	197.6	8,300	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 160 Ft. Jib

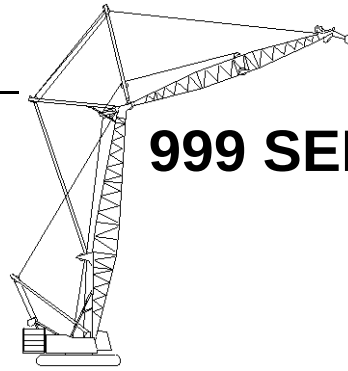
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	30,100			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	27,000			100	
105				20.4	206.8	14,400*	33.5	224.3	17,800*	42.9	234.6	22,200*	55.4	244.3	24,300			105	
110							26.9	215.3	15,900*	37.8	228.4	19,700*	51.3	240.4	21,800			110	
115							18.0	202.3	14,300*	32.0	220.9	17,600*	47.0	235.9	19,500			115	
120										25.0	211.2	15,700*	42.4	230.6	17,400	54.7	239.0	14,700	
125										15.0	196.4	14,100*	37.2	224.3	15,500	50.6	235.0	12,900	
130													31.3	216.5	13,800	46.2	230.3	11,300	
135													24.1	206.5	12,100	41.5	224.9	9,800	
140													13.4	190.5	10,400	36.2	218.3	8,400	
145																30.1	210.3	7,100	
150																22.6	199.5	5,800	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 170 Ft. Jib

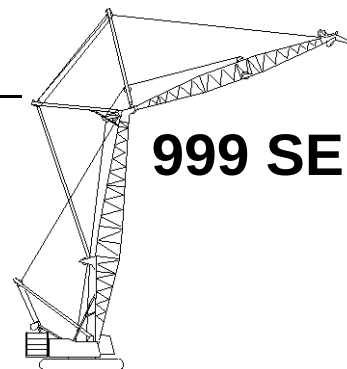
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	72.7	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	27,100			95	
100							28.7	212.9	13,900*	40.3	225.1	17,600*	54.8	235.6	23,900			100	
105							19.2	200.8	12,300*	34.1	218.1	15,500*	50.1	231.5	21,000			105	
110										26.7	209.0	13,700*	45.1	226.7	18,300			110	
115										16.1	195.2	12,100*	39.6	220.9	15,900	54.0	230.2	13,700	115
120													33.4	213.8	13,700	49.3	226.1	11,700	120
125													25.7	204.4	11,600	44.2	221.1	9,800	125
130													14.3	189.4	9,600	38.6	215.1	8,000	130
135																32.1	207.6	6,400	135
140																24.0	197.6	4,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 180 Ft. Jib

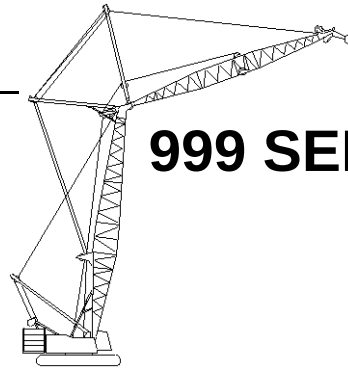
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.	
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	27,100	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	23,900	100
105				20.4	206.8	13,100*	33.5	224.3	16,200*	42.9	234.6	20,300*	55.4	244.3	21,100	105
110							26.9	215.3	14,500*	37.8	228.4	18,000*	51.3	240.4	18,500	110
115							18.0	202.3	13,000*	32.0	220.9	16,000*	47.0	235.9	16,200	115
120										25.0	211.2	14,300*	42.4	230.6	14,100	120
125										15.0	196.4	12,800*	37.2	224.3	12,100	125
130													31.3	216.5	10,300	130
135													24.1	206.5	8,500	135
140													13.4	190.5	6,800	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 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	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	
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	24,100	95
100							28.7	212.9	12,800*	40.3	225.1	16,200*	54.8	235.6	20,800	100
105							19.2	200.8	11,300*	34.1	218.1	14,200*	50.1	231.5	17,800	105
110										26.7	209.0	12,600*	45.1	226.7	15,100	110
115										16.1	195.2	11,100*	39.6	220.9	12,600	115
120													33.4	213.8	10,300	120
125													25.7	204.4	8,100	125
130													14.3	189.4	6,000	130

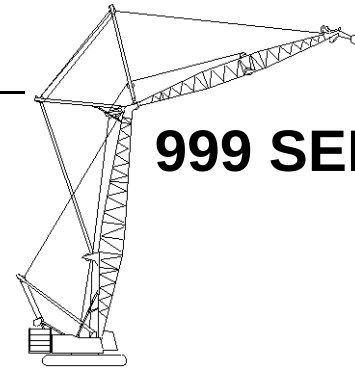
170 Ft. Boom, 200 Ft. Jib

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			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	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	24,300	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	21,100	100
105				20.4	206.8	11,900*	33.5	224.3	14,800*	42.9	234.6	18,600*	55.4	244.3	18,100	105
110							26.9	215.3	13,200*	37.8	228.4	16,500*	51.3	240.4	15,500	110
115							18.0	202.3	11,800*	32.0	220.9	14,600*	47.0	235.9	13,100	115
120										25.0	211.2	12,700	42.4	230.6	10,900	120
125										15.0	196.4	10,400	37.2	224.3	8,800	125
130													31.3	216.5	7,000	130
135													24.1	206.5	5,200	135

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

170 Ft. Boom, 210 Ft. Jib

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	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	
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	40,600	80
85	46.1	248.2	19,400*	50.7	253.3	22,700*	57.1	259.1	28,900*	63.0	263.0	35,700	85
90	41.8	242.8	17,200*	46.8	248.8	20,100*	53.6	255.5	25,400*	59.7	260.1	31,400	90
95	37.2	236.5	15,400*	42.6	243.5	17,900*	49.8	251.4	22,500*	56.3	256.8	27,600	95
100	32.0	228.9	13,800*	38.1	237.3	16,000*	45.9	246.6	20,000*	52.7	253.1	24,200	100
105	25.7	219.3	12,400*	33.0	230.0	14,300*	41.6	241.2	17,800*	48.9	248.8	21,200	105
110	17.5	205.9	11,200*	27.0	220.9	12,900*	37.0	234.8	15,900*	44.9	244.0	18,400	110
115				19.3	208.5	11,600*	31.7	227.1	14,300*	40.5	238.3	15,900	115
120							25.4	217.5	12,800*	35.7	231.6	13,600	120
125							17.0	203.7	11,600*	30.3	223.6	11,500	125
130										23.7	213.2	9,500	130
135										14.2	197.5	7,600	135

170 Ft. Boom, 220 Ft. Jib

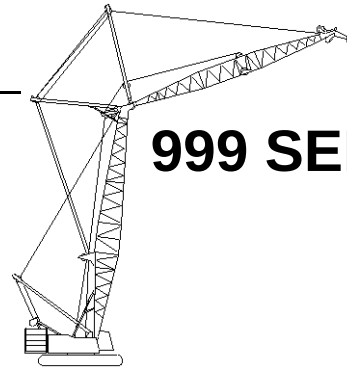
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
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	35,800	85
90	47.5	257.3	17,300*	51.6	262.2	20,500*	57.4	267.8	26,300*	62.7	271.6	31,500	90
95	43.8	252.2	15,300*	48.1	257.8	18,100*	54.2	264.2	23,100*	59.7	268.8	27,800	95
100	39.7	246.4	13,500*	44.5	252.8	16,000*	50.8	260.3	20,300*	56.6	265.5	24,400	100
105	35.3	239.6	11,900*	40.5	247.2	14,100*	47.3	255.7	18,000*	53.4	261.9	21,400	105
110	30.4	231.6	10,600*	36.2	240.6	12,500*	43.6	250.6	15,900*	50.0	257.8	18,700	110
115	24.5	221.4	9,400*	31.3	232.8	11,100*	39.5	244.8	14,100*	46.4	253.1	16,200	115
120	16.6	207.3	8,400*	25.7	223.1	9,800*	35.1	237.9	12,500*	42.6	247.8	14,000	120
125				18.3	210.0	8,700*	30.1	229.8	11,100*	38.5	241.8	11,900	125
130							24.2	219.5	9,800*	34.0	234.7	10,000	130
135							16.2	205.1	8,700*	28.8	226.1	8,200	135
140										22.5	215.1	6,600	140
145										13.5	198.6	4,900	145



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

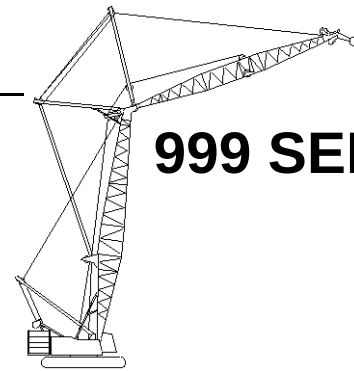
170 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall 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*	85
90	51.8	270.6	20,700*	55.4	274.8	24,300*	60.4	279.6	29,500*	90
95	48.6	266.3	18,500*	52.4	271.0	21,600*	57.6	276.5	26,600*	95
100	45.3	261.5	16,400*	49.2	266.8	19,200*	54.7	273.0	24,100*	100
105	41.8	256.0	14,400*	45.9	262.0	17,200*	51.7	269.1	21,500*	105
110	37.9	249.8	12,700*	42.4	256.7	15,300*	48.5	264.8	19,200*	110
115	33.7	242.6	11,200*	38.7	250.6	13,700*	45.1	259.9	17,200*	115
120	29.0	234.1	10,100*	34.5	243.7	12,300*	41.6	254.4	15,400*	120
125	23.4	223.5	9,200*	29.9	235.4	11,000*	37.8	248.2	13,800*	125
130	15.8	208.6	7,300*	24.5	225.2	9,900*	33.5	240.9	12,100	130
135				17.5	211.5	8,900*	28.8	232.3	10,200	135
140							23.1	221.5	8,500	140
145							15.4	206.3	6,900	145

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

180 Ft. Boom, 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	
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	31,300	
100																43.6	202.3	28,400	
105																30.7	194.9	24,500*	

180 Ft. Boom, 80 Ft. Jib

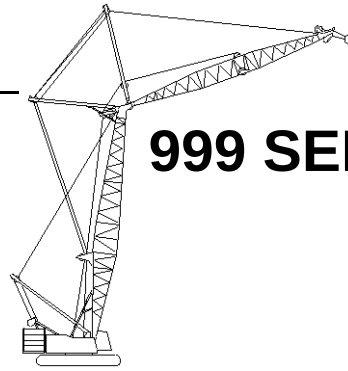
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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*							75
80													62.7	215.7	44,800*b				80
													53.9	212.2	32,100*				
85													43.8	207.3	24,700*				85
90													30.9	200.0	19,800*				90
95																53.7	207.2	29,700	95
100																43.6	202.3	25,200*	100
105																30.7	194.9	20,100*	105



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

180 Ft. Boom, 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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	28,400	95
100																43.6	202.3	22,000*	100
105																30.7	194.9	17,400*	105

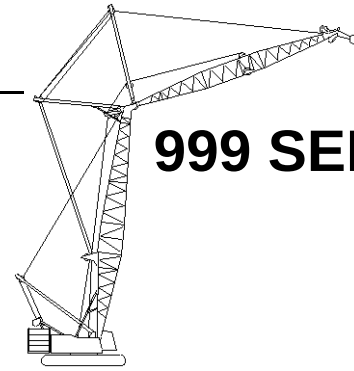
180 Ft. Boom, 100 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
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	25,400	
105																47.4	211.6	22,700	
110																38.5	205.7	20,200	
115																27.1	197.2	17,500*	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

180 Ft. Boom, 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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	25,400	95
100																43.6	202.3	20,100*	100
105																30.7	194.9	16,100*	105

180 Ft. Boom, 120 Ft. Jib

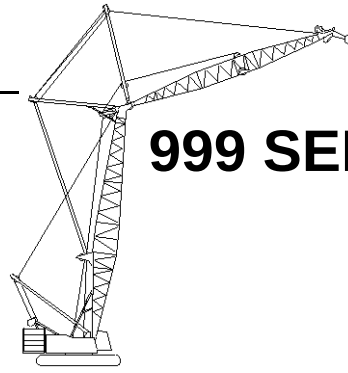
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	22,600	100
105																47.4	211.6	19,700	105
110																38.5	205.7	17,100	110
115																27.1	197.2	14,600	115



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

180 Ft. Boom, 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	20,200	105
110													24.6	204.4	14,100*	49.7	220.6	17,800	110
115																42.9	215.5	15,500	115
120																34.8	208.8	13,400	120
125																24.4	199.3	11,400	125



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

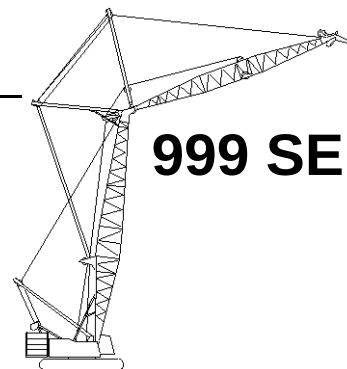
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

180 Ft. Boom, 140 Ft. Jib

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	
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	32,600			90	
95							23.6	212.4	14,000*	39.1	227.3	18,400*	56.6	238.4	29,100			95	
100										31.7	219.8	16,000*	51.4	234.5	25,800*			100	
105										22.0	209.1	13,900*	45.8	229.8	22,000*			105	
110													39.5	224.1	18,900*	56.5	233.4	17,800	110
115													32.2	216.7	16,400*	51.3	229.6	15,600	115
120													22.6	206.3	14,200*	45.7	224.9	13,600	120
125																39.4	219.1	11,800	125
130																32.0	211.6	10,000	130
135																22.4	201.1	8,400	135

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

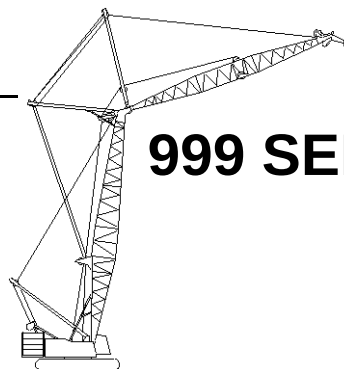
Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 2

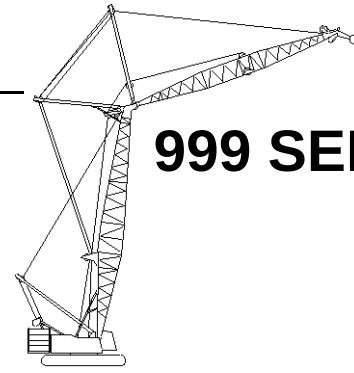
180 Ft. Boom, 150 Ft. Jib

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	
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	29,500			95	
100							30.5	225.1	15,600*	42.3	237.0	20,100*	57.1	247.1	26,500			100	
105							21.9	214.3	13,800*	36.4	230.5	17,600*	52.6	243.4	23,700			105	
110										29.5	222.3	15,600*	47.8	239.0	21,200			110	
115										20.4	210.8	13,800*	42.6	233.7	18,900	57.0	242.1	16,000	115
120													36.7	227.4	16,800	52.5	238.4	14,100	120
125													29.9	219.3	14,800	47.7	234.0	12,300	125
130													21.0	208.0	13,000	42.5	228.7	10,700	130
135																36.6	222.3	9,200	135
140																29.8	214.2	7,700	140
145																20.9	202.9	6,300	145

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 2

180 Ft. Boom, 160 Ft. Jib

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	75.0	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	45,900							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	26,300				100
105				21.7	218.8	14,600*	35.0	236.1	18,400*	44.5	246.4	23,300*	57.4	255.8	23,600				105
110							28.7	227.6	16,400*	39.6	240.6	20,600*	53.5	252.2	21,100				110
115							20.5	216.0	14,700*	34.1	233.6	18,300*	49.3	248.0	18,900				115
120										27.7	224.7	16,400*	44.8	243.1	16,800	57.3	250.8	13,800	120
125										19.1	212.4	14,700*	39.9	237.3	15,000	53.4	247.2	12,100	125
130													34.5	230.4	13,200	49.2	243.0	10,500	130
135													28.1	221.7	11,600	44.7	238.1	9,100	135
140													19.7	209.7	10,000	39.9	232.3	7,700	140
145																34.4	225.4	6,400	145
150																28.0	216.7	5,200	150
155																19.6	204.5	4,000	155