

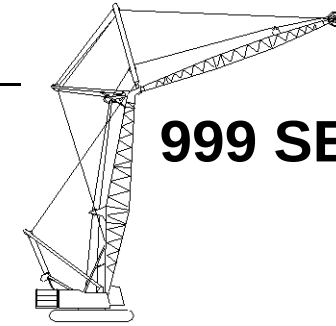
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 2,825 Lb. minimum block weight.

Lower boom point assembly must be completely removed on 170 Ft. boom length.

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

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 1/2 in. in 10 Ft. and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. 196199** (Boom No. 22EL) or **No. 196200** (Boom No. 82), Wire Rope Specification chart **No. 8247-A** and Luffing Jib Raising Procedure chart **No. 8248-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.

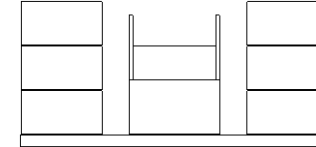
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8249-A**.

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

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

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps or four 1-3/8 in. boom pendants, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays and 149,600 Lb. counterweight.

Consult chart **No. 8241-A** for lifting off lower boom point with luffing jib attached.



149,600 Lb. Crane Counterweight
6 Side Boxes - 1 Center Box

Boom Catwalks Deduct

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

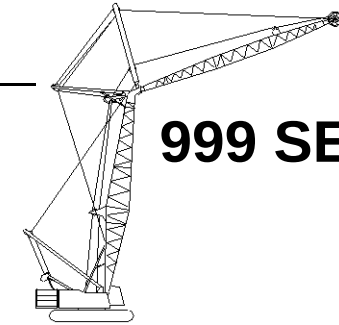
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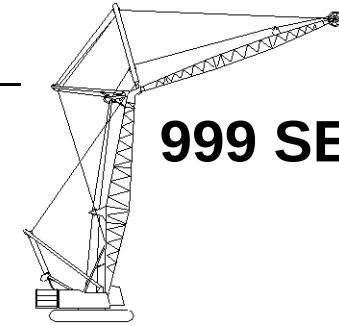
70 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	64.3	141.0	101,800 *b																			40
45	59.7	138.4	96,700 *b	65.3	140.9	105,500 *b																45
50	54.8	135.2	93,800 *b	60.7	138.3	99,000 b	64.1	139.6	96,900 b													50
55	49.7	131.3	89,900 *	55.9	135.2	87,500 b	59.4	136.9	85,600 b													55
60	44.1	126.6	81,000	50.8	131.5	78,300	54.5	133.6	76,600 b	60.3	135.9	73,800 b										60
65	37.8	120.9	73,200	45.3	127.0	70,700	49.3	129.7	69,200	55.4	132.7	66,700 b										65
70	30.5	113.5	66,600	39.2	121.5	64,400	43.7	125.0	63,000	50.3	129.0	60,700	56.2	131.2	58,500 b							70
75	21.1	103.1	55,800 *	32.2	114.6	59,000	37.4	119.1	57,800	44.8	124.4	55,700	51.1	127.6	53,600							75
80				23.4	105.1	54,400	30.0	111.6	53,200	38.6	118.8	51,300	45.6	123.1	49,400	51.7	125.5	47,500				80
85				8.5	87.6	46,800 *	20.4	101.0	49,300	31.5	111.6	47,500	39.6	117.7	45,800	46.3	121.2	44,000				85
90										22.4	101.8	44,200	32.6	110.8	42,600	40.3	115.8	40,900	46.7	118.5	39,400	90
95										5.2	81.5	41,100	24.0	101.6	39,700	33.5	109.2	38,200	40.7	113.2	36,700	95
100													10.0	85.2	37,100	25.1	100.3	35,700	34.0	106.7	34,400	100
105																12.4	85.5	33,500	25.7	98.0	32,300	105
110																			13.6	84.0	30,300	110

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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999 SERIES 1

70 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.7	152.0	95,100 *b																			40
45	63.8	149.7	90,200 *b	68.6	151.7	98,600 *b																45
50	59.7	147.1	87,300 *b	64.7	149.6	93,800 *b	67.5	150.5	96,600 b													50
55	55.5	143.9	83,200 *	60.6	147.0	87,300 b	63.6	148.2	85,400 b													55
60	51.0	140.1	79,600 *	56.4	143.9	78,000	59.5	145.5	76,300 b													60
65	46.3	135.7	73,100	52.0	140.3	70,500	55.2	142.3	68,900	60.2	144.6	66,400 b										65
70	41.1	130.5	66,500	47.3	136.1	64,200	50.7	138.6	62,800	56.0	141.4	60,400										70
75	35.3	124.2	61,000	42.2	131.0	58,800	45.9	134.1	57,500	51.6	137.8	55,400	56.7	139.9	53,300							75
80	28.5	116.1	56,200	36.6	125.0	54,200	40.7	128.8	53,000	46.9	133.5	51,100	52.3	136.4	49,100							80
85	19.7	104.9	47,200 *	30.1	117.4	50,200	34.9	122.4	49,100	41.7	128.3	47,300	47.6	132.2	45,500	52.8	134.3	43,700				85
90				21.9	107.1	46,700	28.0	114.2	45,700	36.0	122.1	44,000	42.5	127.2	42,300	48.1	130.1	40,600				90
95				7.9	88.3	40,200 *	19.0	102.7	42,600	29.4	114.4	41,100	36.9	121.2	39,500	43.1	125.3	37,900				95
100										21.0	103.7	38,400	30.5	113.7	37,000	37.6	119.4	35,500	43.5	122.6	34,100	100
105										4.9	81.9	35,900	22.4	103.6	34,700	31.3	112.1	33,300	38.0	116.8	32,000	105
110													9.3	86.0	32,500	23.5	102.4	31,300	31.7	109.6	30,100	110
115																11.6	86.6	29,500	24.1	100.2	28,400	115
120																			12.7	85.1	26,700	120

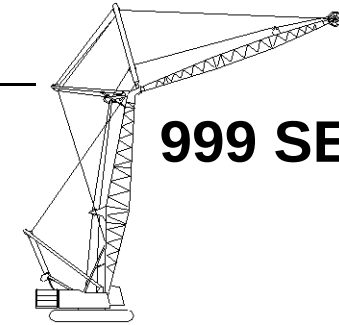
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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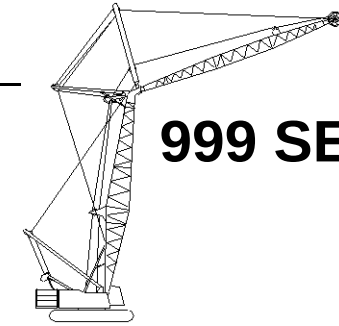
70 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.3	162.7	83,400 *b																			40
45	66.9	160.7	79,200 *b																			45
50	63.4	158.4	76,800 *	67.6	160.5	82,300 *b																50
55	59.8	155.7	73,300 *	64.2	158.3	78,500 *b	66.7	159.3	81,300 *b													55
60	56.0	152.6	70,200 *	60.6	155.7	75,000 *	63.2	156.9	76,100													60
65	52.1	148.9	67,300 *	56.8	152.6	70,300	59.5	154.2	68,800													65
70	47.9	144.8	64,600 *	52.9	149.1	64,000	55.8	151.0	62,600	60.2	153.2	60,200										70
75	43.5	139.9	60,900	48.8	145.0	58,700	51.8	147.4	57,400	56.5	150.1	55,200										75
80	38.6	134.1	56,200	44.5	140.3	54,100	47.7	143.1	52,900	52.6	146.6	50,900	57.1	148.6	48,900							80
85	33.2	127.2	52,000	39.7	134.8	50,200	43.2	138.2	49,000	48.4	142.4	47,100	53.2	145.1	45,300							85
90	26.8	118.6	48,400	34.4	128.2	46,700	38.3	132.4	45,600	44.0	137.7	43,800	49.1	141.1	42,100							90
95	18.6	106.6	40,800 *	28.3	120.0	43,600	32.8	125.4	42,600	39.2	132.0	40,900	44.7	136.4	39,300	49.6	139.1	37,700				95
100				20.6	109.0	40,800	26.4	116.6	39,900	33.9	125.3	38,300	40.0	130.9	36,800	45.2	134.5	35,300				100
105				7.5	89.0	35,200 *	17.9	104.3	37,400	27.7	116.9	36,000	34.8	124.4	34,600	40.6	129.1	33,200	45.5	131.8	31,800	105
110										19.7	105.5	33,900	28.7	116.3	32,500	35.4	122.7	31,200	40.9	126.5	29,900	110
115										4.6	82.3	31,900	21.1	105.5	30,700	29.4	114.8	29,400	35.7	120.1	28,200	115
120													8.8	86.8	28,900	22.1	104.4	27,800	29.9	112.4	26,700	120
125																10.9	87.6	26,300	22.7	102.2	25,200	125
130																			11.9	86.2	23,900	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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999 SERIES 1

70 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	72.4	173.2	77,900 *b																			40
45	69.3	171.5	75,300 *b																			45
50	66.2	169.5	71,700 *	70.0	171.2	76,700 *b																50
55	63.1	167.1	68,300 *	66.9	169.3	73,100 *																55
60	59.8	164.4	65,200 *	63.7	167.0	69,800 *	66.0	168.0	72,300 *													60
65	56.4	161.3	62,300 *	60.5	164.3	66,600 *	62.9	165.6	68,500													65
70	52.9	157.7	59,600 *	57.2	161.3	63,700 *	59.6	162.9	62,300													70
75	49.2	153.7	57,200 *	53.7	157.8	58,500	56.2	159.7	57,100	60.2	161.9	54,900										75
80	45.3	149.1	54,900 *	50.0	153.9	53,900	52.7	156.1	52,600	56.8	158.8	50,600										80
85	41.1	143.7	51,900	46.2	149.4	49,900	49.0	152.1	48,800	53.3	155.3	46,800	57.4	157.3	44,900							85
90	36.6	137.5	48,200	42.1	144.3	46,400	45.1	147.4	45,400	49.7	151.3	43,600	53.9	153.9	41,800							90
95	31.5	130.1	45,100	37.6	138.3	43,400	40.9	142.0	42,300	45.8	146.8	40,700	50.2	150.0	39,000							95
100	25.4	120.9	42,200	32.6	131.2	40,600	36.3	135.8	39,700	41.7	141.6	38,100	46.4	145.5	36,500	50.7	147.9	35,000				100
105	17.6	108.2	35,400 *	26.8	122.4	38,200	31.1	128.3	37,300	37.1	135.5	35,800	42.3	140.4	34,300	46.9	143.5	32,800				105
110				19.5	110.7	35,900	25.0	118.9	35,100	32.1	128.2	33,700	37.9	134.5	32,300	42.8	138.5	30,900	47.1	140.8	29,600	110
115				7.1	89.6	30,900 *	17.0	105.9	33,100	26.2	119.3	31,800	32.9	127.4	30,500	38.4	132.7	29,200	43.1	135.9	27,900	115
120										18.7	107.2	30,000	27.2	118.8	28,800	33.5	125.8	27,600	38.7	130.1	26,400	120
125										4.4	82.7	28,300	20.0	107.3	27,200	27.9	117.4	26,100	33.8	123.3	24,900	125
130													8.3	87.6	25,800	21.0	106.3	24,700	28.3	115.0	23,600	130
135																10.3	88.5	23,400	21.5	104.2	22,400	135
140																			11.3	87.2	21,300	140

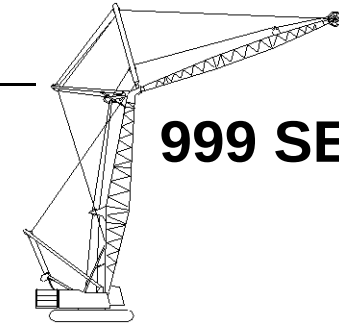
Liftcrane Luffing Jib Capacities

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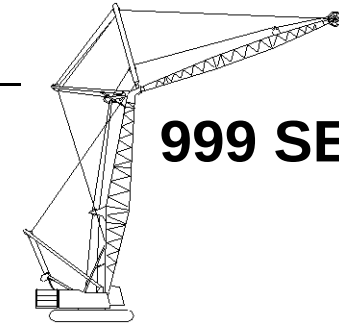
70 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.0	183.7	73,700 *b																			40
45	71.3	182.1	71,700 *b																			45
50	68.5	180.3	68,700 *																			50
55	65.7	178.2	65,800 *	69.1	180.0	69,900 *																55
60	62.8	175.8	62,900 *	66.3	178.0	67,000 *																60
65	59.8	173.0	60,200 *	63.4	175.6	64,100 *	65.5	176.7	66,200 *													65
70	56.8	169.9	57,600 *	60.5	173.0	61,400 *	62.6	174.3	62,200													70
75	53.6	166.5	55,300 *	57.4	170.0	58,400	59.6	171.5	57,000													75
80	50.3	162.5	53,100 *	54.3	166.6	53,800	56.6	168.4	52,600	60.2	170.5	50,500										80
85	46.8	158.1	51,100 *	51.0	162.8	49,900	53.4	164.9	48,700	57.1	167.5	46,800										85
90	43.1	153.1	48,200	47.6	158.4	46,400	50.1	160.9	45,300	54.0	164.1	43,500	57.6	166.0	41,700							90
95	39.1	147.4	45,100	43.9	153.6	43,400	46.6	156.5	42,300	50.7	160.2	40,600	54.5	162.6	39,000							95
100	34.8	140.8	42,200	40.0	148.0	40,600	42.9	151.4	39,700	47.2	155.8	38,100	51.2	158.8	36,500							100
105	30.0	132.9	39,700	35.8	141.6	38,200	38.9	145.7	37,300	43.6	150.9	35,800	47.8	154.5	34,300	51.6	156.7	32,800				105
110	24.2	123.1	34,900 *	31.1	134.0	36,000	34.5	139.0	35,100	39.6	145.3	33,700	44.1	149.7	32,300	48.2	152.5	30,900				110
115	16.8	109.7	29,400 *	25.6	124.7	34,000	29.6	131.0	33,100	35.4	138.8	31,800	40.3	144.2	30,500	44.6	147.7	29,100				115
120				18.6	112.4	32,100	23.8	121.0	31,400	30.6	131.0	30,100	36.0	137.8	28,800	40.7	142.3	27,600	44.8	145.1	26,300	120
125				6.8	90.2	25,800 *	16.2	107.3	29,700	25.0	121.6	28,500	31.3	130.3	27,300	36.5	136.1	26,100	41.0	139.7	24,900	125
130										17.8	108.8	27,000	25.9	121.1	25,900	31.9	128.7	24,800	36.8	133.5	23,700	130
135										4.2	83.1	25,600	19.1	109.1	24,600	26.6	119.8	23,500	32.2	126.2	22,500	135
140													7.9	88.3	23,300	20.0	108.2	22,400	27.0	117.4	21,400	140
145																9.9	89.4	21,200	20.5	106.0	20,300	145
150																			10.8	88.2	19,300	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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999 SERIES 1

70 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	194.1	68,200 *b																			40
45	72.9	192.6	66,500 *b																			45
50	70.4	191.0	63,600 *																			50
55	67.8	189.1	60,800 *	70.9	190.7	64,500 *																55
60	65.2	186.9	58,300 *	68.4	188.8	61,900 *																60
65	62.6	184.4	55,800 *	65.8	186.7	59,400 *	67.7	187.6	61,100 *													65
70	59.8	181.7	53,500 *	63.1	184.3	56,900 *	65.0	185.4	58,700 *													70
75	57.0	178.6	51,200 *	60.4	181.6	54,600 *	62.4	182.9	56,300 *													75
80	54.1	175.2	49,000 *	57.6	178.6	52,200 *	59.7	180.2	52,300	62.9	181.9	50,200										80
85	51.1	171.4	47,000 *	54.8	175.3	49,600	56.8	177.1	48,400	60.2	179.2	46,500										85
90	48.0	167.1	45,100 *	51.8	171.6	46,200	53.9	173.6	45,000	57.4	176.2	43,200										90
95	44.7	162.3	43,300 *	48.7	167.4	43,100	50.9	169.8	42,100	54.5	172.8	40,300	57.8	174.6	38,600							95
100	41.2	157.0	41,700 *	45.4	162.7	40,400	47.8	165.5	39,400	51.5	169.0	37,800	54.9	171.3	36,200							100
105	37.4	150.9	39,500	42.0	157.5	37,900	44.5	160.7	37,000	48.4	164.8	35,500	52.0	167.6	33,900							105
110	33.3	143.8	37,200 *	38.3	151.6	35,700	41.0	155.3	34,900	45.1	160.1	33,400	48.9	163.5	32,000	52.3	165.5	30,500				110
115	28.6	135.5	34,900 *	34.2	144.7	33,700	37.2	149.1	32,900	41.6	154.8	31,500	45.6	158.8	30,100	49.2	161.4	28,800				115
120	23.2	125.2	30,500 *	29.7	136.7	31,900	33.0	142.0	31,100	37.9	148.8	29,800	42.2	153.6	28,500	46.0	156.9	27,200				120
125	16.1	111.2	25,800 *	24.5	126.9	30,200	28.3	133.6	29,500	33.8	141.9	28,200	38.5	147.7	27,000	42.6	151.7	25,800	46.2	154.2	24,600	125
130				17.8	114.0	28,700	22.8	123.1	28,000	29.2	133.7	26,800	34.5	141.0	25,600	38.9	145.9	24,500	42.8	149.1	23,300	130
135				6.5	90.8	22,800 *	15.5	108.7	26,600	23.9	123.7	25,500	30.0	133.0	24,300	34.9	139.3	23,200	39.2	143.3	22,100	135
140										17.1	110.3	24,200	24.8	123.4	23,100	30.5	131.5	22,100	35.2	136.7	21,100	140
145										4.0	83.4	23,000	18.3	110.7	22,000	25.4	122.1	21,000	30.8	129.1	20,000	145
150													7.6	89.0	20,900	19.1	109.9	20,000	25.8	119.8	19,100	150
155																9.4	90.2	19,100	19.6	107.8	18,200	155
160																			10.3	89.1	17,300	160

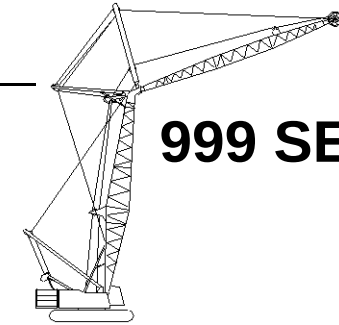
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

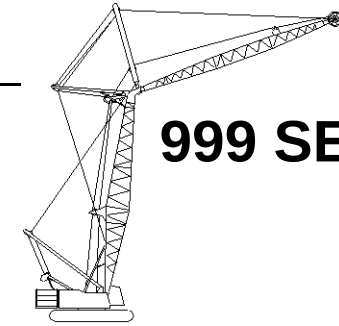
70 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.2	203.1	56,600 *																			45
50	71.9	201.5	54,200 *																			50
55	69.6	199.8	51,900 *																			55
60	67.2	197.8	49,700 *	70.1	199.5	52,600 *																60
65	64.8	195.6	47,600 *	67.7	197.6	50,400 *																65
70	62.4	193.1	45,600 *	65.3	195.4	48,300 *	67.1	196.4	49,700 *													70
75	59.8	190.4	43,700 *	62.9	193.0	46,400 *	64.7	194.1	47,800 *													75
80	57.3	187.3	42,000 *	60.4	190.3	44,500 *	62.2	191.6	45,900 *													80
85	54.6	183.9	40,300 *	57.8	187.3	42,700 *	59.7	188.8	44,100 *	62.7	190.6	45,900 *										85
90	51.8	180.2	38,700 *	55.2	184.0	41,000 *	57.1	185.8	42,300 *	60.1	187.9	43,000 *										90
95	49.0	176.0	37,200 *	52.4	180.3	39,400 *	54.4	182.4	40,600 *	57.6	184.8	40,100 *										95
100	46.0	171.5	35,700 *	49.6	176.3	37,800 *	51.7	178.6	39,100 *	54.9	181.5	37,500 *	58.0	183.3	35,900 *							100
105	42.8	166.4	34,400 *	46.7	171.8	36,400 *	48.8	174.4	36,800 *	52.2	177.8	35,200 *	55.3	180.0	33,700 *							105
110	39.5	160.6	33,100 *	43.5	166.8	35,000 *	45.8	169.8	34,700 *	49.3	173.7	33,200 *	52.6	176.4	31,700 *							110
115	35.9	154.2	32,000 *	40.2	161.3	33,600 *	42.6	164.7	32,700 *	46.4	169.2	31,300 *	49.8	172.3	29,900 *	52.9	174.3	28,600 *				115
120	31.9	146.7	30,900 *	36.7	155.0	31,800 *	39.3	158.9	30,900 *	43.2	164.2	29,600 *	46.8	167.9	28,300 *	50.1	170.3	27,000 *				120
125	27.5	138.0	29,900 *	32.8	147.8	30,100 *	35.7	152.4	29,300 *	39.9	158.5	28,000 *	43.7	162.9	26,800 *	47.2	165.9	25,500 *				125
130	22.3	127.2	27,100 *	28.5	139.3	28,600 *	31.7	144.9	27,800 *	36.3	152.1	26,600 *	40.4	157.4	25,400 *	44.1	161.0	24,200 *	47.4	163.2	23,100 *	130
135	15.4	112.6	23,000 *	23.5	129.1	27,200 *	27.2	136.0	26,500 *	32.4	144.8	25,300 *	36.9	151.2	24,100 *	40.8	155.5	23,000 *	44.3	158.3	21,900 *	135
140				17.1	115.6	25,800 *	21.9	125.1	25,200 *	28.1	136.3	24,100 *	33.1	144.0	23,000 *	37.3	149.4	21,900 *	41.0	152.9	20,800 *	140
145				6.2	91.3	20,400 *	14.9	110.0	24,000 *	23.0	125.8	22,900 *	28.8	135.7	21,900 *	33.5	142.4	20,800 *	37.6	146.8	19,800 *	145
150										16.4	111.8	21,800 *	23.8	125.5	20,800 *	29.3	134.2	19,800 *	33.8	139.8	18,900 *	150
155										3.8	83.8	20,800 *	17.6	112.3	19,900 *	24.4	124.3	18,900 *	29.6	131.7	18,000 *	155
160													7.3	89.6	18,900 *	18.4	111.5	18,100 *	24.8	122.0	17,200 *	160
170																			9.9	90.0	15,600 *	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

70 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	213.4	52,300 *																			45
50	73.3	212.0	50,100 *																			50
55	71.1	210.4	48,000 *																			55
60	68.9	208.6	45,900 *																			60
65	66.7	206.6	43,900 *	69.4	208.3	46,500 *																65
70	64.5	204.3	42,000 *	67.2	206.3	44,600 *																70
75	62.2	201.8	40,200 *	65.0	204.1	42,700 *	66.6	205.1	44,000 *													75
80	59.9	199.0	38,500 *	62.7	201.7	40,900 *	64.3	202.8	42,200 *													80
85	57.5	196.0	36,900 *	60.4	199.0	39,200 *	62.0	200.3	40,400 *													85
90	55.0	192.6	35,300 *	58.0	196.0	37,500 *	59.7	197.5	38,800 *	62.5	199.2	40,400 *										90
95	52.5	189.0	33,800 *	55.5	192.7	35,900 *	57.3	194.4	37,100 *	60.1	196.5	38,900 *										95
100	49.8	184.9	32,400 *	53.0	189.1	34,400 *	54.8	191.1	35,600 *	57.7	193.5	37,200 *										100
105	47.1	180.5	31,100 *	50.4	185.1	33,000 *	52.3	187.4	34,100 *	55.3	190.2	34,900 *										105
110	44.2	175.6	29,800 *	47.7	180.8	31,700 *	49.7	183.3	32,700 *	52.8	186.6	32,900 *	55.7	188.7	31,400 *							110
115	41.2	170.2	28,600 *	44.9	176.0	30,400 *	46.9	178.9	31,400 *	50.1	182.6	31,000 *	53.2	185.1	29,600 *							115
120	38.0	164.2	27,500 *	41.9	170.7	29,200 *	44.0	173.9	30,100 *	47.4	178.2	29,300 *	50.6	181.2	28,000 *							120
125	34.6	157.3	26,400 *	38.7	164.8	28,000 *	41.0	168.5	28,900 *	44.6	173.4	27,800 *	47.9	176.9	26,500 *	50.9	179.1	25,200 *				125
130	30.8	149.5	25,500 *	35.3	158.2	26,900 *	37.8	162.4	27,600 *	41.6	168.0	26,300 *	45.0	172.1	25,100 *	48.2	174.9	23,900 *				130
135	26.5	140.4	24,600 *	31.6	150.6	25,900 *	34.3	155.5	26,200 *	38.4	162.1	25,000 *	42.1	166.9	23,800 *	45.4	170.2	22,700 *				135
140	21.4	129.1	23,800 *	27.5	141.8	25,000 *	30.5	147.7	24,900 *	35.0	155.4	23,800 *	38.9	161.0	22,700 *	42.4	165.0	21,600 *	45.5	167.5	20,500 *	140
145	14.9	113.9	20,300 *	22.6	131.1	24,100 *	26.2	138.4	23,800 *	31.2	147.7	22,700 *	35.5	154.4	21,600 *	39.3	159.2	20,500 *	42.6	162.3	19,500 *	145
150				16.5	117.0	22,900 *	21.1	127.0	22,700 *	27.0	138.7	21,600 *	31.8	146.9	20,600 *	35.9	152.7	19,500 *	39.5	156.6	18,600 *	150
155				6.0	91.9	18,100 *	14.4	111.3	21,600 *	22.1	127.8	20,600 *	27.7	138.2	19,600 *	32.3	145.3	18,600 *	36.1	150.1	17,700 *	155
160										15.8	113.2	19,700 *	22.9	127.6	18,700 *	28.2	136.7	17,800 *	32.5	142.8	16,900 *	160
170													7.0	90.2	17,000 *	17.7	113.1	16,200 *	23.8	124.2	15,400 *	170
180																			9.6	90.8	14,000 *	180

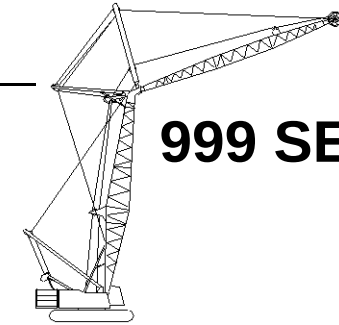
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

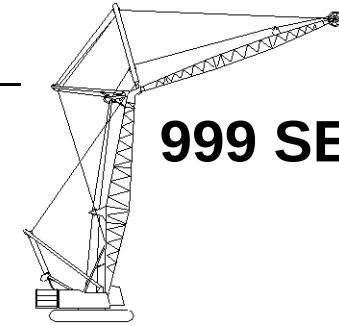
70 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	222.4	46,500 *																			50
55	72.4	220.9	44,500 *																			55
60	70.4	219.3	42,600 *																			60
65	68.4	217.4	40,700 *	70.8	219.0	43,100 *																65
70	66.3	215.3	38,900 *	68.8	217.1	41,200 *																70
75	64.2	213.0	37,200 *	66.7	215.1	39,500 *																75
80	62.0	210.4	35,500 *	64.6	212.8	37,800 *	66.2	213.8	38,900 *													80
85	59.9	207.7	34,000 *	62.5	210.3	36,100 *	64.1	211.5	37,300 *													85
90	57.6	204.6	32,500 *	60.3	207.6	34,600 *	61.9	208.9	35,700 *													90
95	55.3	201.3	31,000 *	58.1	204.6	33,000 *	59.7	206.2	34,200 *	62.3	207.9	35,700 *										95
100	53.0	197.7	29,700 *	55.8	201.4	31,600 *	57.5	203.1	32,700 *	60.1	205.2	34,300 *										100
105	50.6	193.8	28,400 *	53.5	197.8	30,200 *	55.2	199.8	31,300 *	57.9	202.2	32,900 *										105
110	48.0	189.5	27,100 *	51.1	194.0	28,900 *	52.8	196.1	29,900 *	55.6	198.9	31,500 *										110
115	45.4	184.8	26,000 *	48.6	189.8	27,600 *	50.4	192.2	28,600 *	53.3	195.3	30,200 *	56.0	197.4	29,500							115
120	42.7	179.6	24,800 *	46.0	185.1	26,400 *	47.9	187.9	27,400 *	50.8	191.4	28,900 *	53.6	193.9	27,900							120
125	39.8	173.9	23,800 *	43.3	180.1	25,300 *	45.2	183.1	26,200 *	48.3	187.2	27,700 *	51.2	190.0	26,400							125
130	36.7	167.5	22,800 *	40.4	174.5	24,200 *	42.5	177.9	25,100 *	45.7	182.5	26,200	48.7	185.8	25,000	51.5	188.0	23,800				130
135	33.3	160.4	21,900 *	37.4	168.3	23,200 *	39.6	172.2	24,000 *	43.0	177.4	24,900	46.1	181.2	23,700	49.0	183.8	22,600				135
140	29.7	152.2	21,000 *	34.1	161.3	22,200 *	36.5	165.8	23,000 *	40.1	171.8	23,700	43.4	176.2	22,600	46.4	179.2	21,500				140
145	25.6	142.7	20,100 *	30.5	153.4	21,300 *	33.1	158.6	22,100 *	37.1	165.5	22,600	40.6	170.6	21,500	43.7	174.3	20,400	46.6	176.6	19,400	145
150	20.7	131.0	19,400 *	26.5	144.2	20,500 *	29.4	150.3	21,200 *	33.8	158.5	21,500	37.5	164.5	20,500	40.9	168.8	19,500	43.9	171.6	18,500	150
155	14.4	115.2	18,200 *	21.8	133.1	19,700 *	25.3	140.7	20,300 *	30.1	150.4	20,600	34.3	157.6	19,600	37.9	162.7	18,600	41.1	166.2	17,600	155
160				15.9	118.5	19,100 *	20.4	128.8	19,600 *	26.1	141.1	19,700	30.7	149.7	18,700	34.7	155.9	17,700	38.1	160.1	16,800	160
170										15.3	114.6	18,000	22.1	129.6	17,100	27.2	139.2	16,200	31.4	145.7	15,300	170
180													6.8	90.8	15,600	17.1	114.6	14,800	23.0	126.2	14,000	180
190																			9.2	91.7	12,800	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

70 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	232.8	42,800 *																			50
55	73.6	231.4	40,900 *																			55
60	71.7	229.8	39,100 *																			60
65	69.8	228.1	37,300 *																			65
70	67.9	226.1	35,600 *	70.2	227.8	37,800 *																70
75	65.9	224.0	34,000 *	68.3	225.9	36,100 *																75
80	63.9	221.7	32,400 *	66.3	223.8	34,500 *	67.7	224.7	35,500 *													80
85	61.9	219.1	30,900 *	64.4	221.5	32,900 *	65.8	222.5	34,000 *													85
90	59.9	216.3	29,500 *	62.4	219.0	31,400 *	63.8	220.2	32,500 *													90
95	57.8	213.3	28,100 *	60.3	216.3	30,000 *	61.8	217.6	31,000 *													95
100	55.6	210.0	26,700 *	58.2	213.3	28,600 *	59.7	214.8	29,600 *	62.2	216.6	31,000 *										100
105	53.4	206.5	25,500 *	56.1	210.1	27,200 *	57.6	211.8	28,200 *	60.1	213.8	29,700 *										105
110	51.2	202.6	24,300 *	53.9	206.6	25,900 *	55.5	208.5	26,900 *	58.0	210.8	28,400 *										110
115	48.8	198.4	23,100 *	51.7	202.8	24,700 *	53.3	204.9	25,600 *	55.9	207.6	27,100 *										115
120	46.4	193.8	22,000 *	49.3	198.7	23,500 *	51.0	201.0	24,400 *	53.7	204.1	25,900 *	56.2	206.1	27,100 *							120
125	43.9	188.9	21,000 *	46.9	194.2	22,400 *	48.7	196.8	23,300 *	51.5	200.2	24,700 *	54.0	202.6	25,900 *							125
130	41.2	183.4	20,000 *	44.4	189.3	21,400 *	46.3	192.2	22,200 *	49.1	196.1	23,500 *	51.8	198.8	24,700 *							130
135	38.4	177.4	19,000 *	41.8	184.0	20,300 *	43.7	187.2	21,100 *	46.7	191.6	22,400 *	49.5	194.7	23,400 *	52.1	196.7	22,300				135
140	35.5	170.8	18,200 *	39.1	178.1	19,400 *	41.1	181.7	20,100 *	44.2	186.6	21,400 *	47.1	190.3	22,300	49.8	192.7	21,100				140
145	32.3	163.3	17,300 *	36.1	171.6	18,500 *	38.3	175.7	19,200 *	41.6	181.3	20,400 *	44.6	185.4	21,200	47.4	188.3	20,100				145
150	28.7	154.8	16,500 *	33.0	164.3	17,600 *	35.3	169.0	18,300 *	38.8	175.3	19,400 *	42.0	180.1	20,200	44.9	183.5	19,100	47.5	185.6	18,100	150
155	24.7	144.9	15,800 *	29.5	156.1	16,800 *	32.0	161.5	17,500 *	35.8	168.8	18,500 *	39.2	174.3	19,300	42.3	178.2	18,300	45.0	180.8	17,300	155
160	20.0	132.8	15,100 *	25.6	146.5	16,100 *	28.5	152.9	16,700 *	32.7	161.4	17,700 *	36.3	167.8	18,400	39.5	172.4	17,400	42.5	175.6	16,500	160
170				15.4	119.8	14,800 *	19.7	130.6	15,300 *	25.3	143.4	16,100 *	29.7	152.4	16,800	33.5	158.9	15,900	36.8	163.5	15,000	170
180										14.8	115.9	14,900 *	21.4	131.5	15,400	26.3	141.6	14,500	30.4	148.4	13,700	180
190													6.6	91.4	14,000	16.5	116.1	13,300	22.3	128.2	12,500	190
200																			9.0	92.5	11,400	200

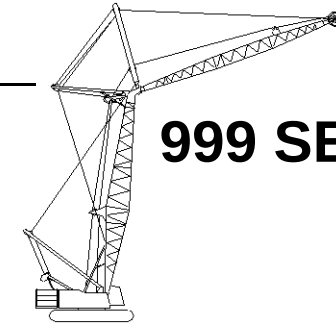
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

70 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	241.8	37,900 *																			55
60	72.8	240.3	36,200 *																			60
65	71.0	238.7	34,500 *																			65
70	69.2	236.9	32,900 *																			70
75	67.4	234.9	31,400 *	69.6	236.6	33,300 *																75
80	65.6	232.7	29,800 *	67.8	234.7	31,800 *																80
85	63.7	230.4	28,400 *	66.0	232.5	30,300 *	67.3	233.4	31,300 *													85
90	61.8	227.8	27,000 *	64.1	230.2	28,800 *	65.5	231.2	29,800 *													90
95	59.9	225.0	25,700 *	62.2	227.7	27,500 *	63.6	228.9	28,400 *													95
100	57.9	222.0	24,400 *	60.3	224.9	26,100 *	61.7	226.3	27,100 *													100
105	55.9	218.7	23,200 *	58.3	222.0	24,800 *	59.8	223.5	25,800 *	62.0	225.3	27,100 *										105
110	53.8	215.2	22,000 *	56.3	218.8	23,600 *	57.8	220.4	24,500 *	60.1	222.5	25,900 *										110
115	51.7	211.4	20,900 *	54.3	215.3	22,400 *	55.8	217.2	23,300 *	58.1	219.5	24,700 *										115
120	49.5	207.3	19,900 *	52.2	211.6	21,300 *	53.7	213.6	22,200 *	56.1	216.3	23,500 *										120
125	47.3	202.9	18,900 *	50.0	207.5	20,200 *	51.6	209.8	21,100 *	54.1	212.8	22,400 *	56.5	214.8	23,500 *							125
130	45.0	198.1	17,900 *	47.8	203.2	19,200 *	49.4	205.7	20,000 *	52.0	209.0	21,300 *	54.4	211.3	22,400 *							130
135	42.5	192.8	17,000 *	45.5	198.4	18,200 *	47.1	201.2	19,000 *	49.8	205.0	20,200 *	52.3	207.6	21,300 *							135
140	40.0	187.1	16,100 *	43.0	193.3	17,300 *	44.8	196.4	18,000 *	47.6	200.6	19,200 *	50.1	203.6	20,300 *	52.5	205.5	20,900				140
145	37.3	180.9	15,300 *	40.5	187.7	16,400 *	42.4	191.1	17,100 *	45.2	195.8	18,200 *	47.9	199.2	19,300 *	50.4	201.5	19,900				145
150	34.4	173.9	14,500 *	37.8	181.6	15,600 *	39.8	185.4	16,200 *	42.8	190.6	17,300 *	45.6	194.5	18,400 *	48.2	197.2	18,900				150
155	31.3	166.2	13,800 *	35.0	174.8	14,800 *	37.1	179.1	15,400 *	40.3	185.0	16,400 *	43.2	189.4	17,500 *	45.9	192.6	18,000				155
160	27.9	157.4	13,100 *	32.0	167.3	14,000 *	34.2	172.1	14,600 *	37.6	178.8	15,600 *	40.7	183.9	16,600 *	43.5	187.5	17,200	46.0	189.9	16,200	160
170	19.4	134.5	11,500 *	24.9	148.8	12,500 *	27.6	155.4	13,200 *	31.7	164.3	14,100 *	35.2	171.0	15,000 *	38.3	176.0	15,700	41.1	179.4	14,800	170
180				15.0	121.2	10,900 *	19.1	132.3	11,500 *	24.5	145.6	12,500 *	28.8	155.0	13,500 *	32.5	161.9	14,300 *	35.7	166.8	13,500	180
190										14.3	117.2	10,800 *	20.8	133.4	11,800 *	25.5	143.9	12,700 *	29.4	151.1	12,300	190
200													6.4	92.0	10,300 *	16.0	117.5	11,100 *	21.6	130.2	11,300	200
210																			8.7	93.2	10,300	210

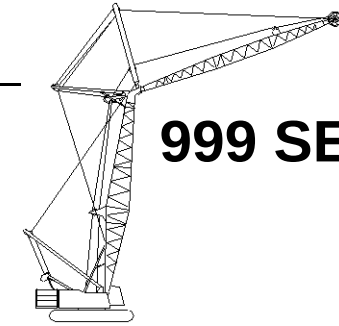
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

80 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	64.7	151.2	101,800 *b																			40
45	60.0	148.6	96,800 *b																			45
50	55.2	145.4	93,900 *b	61.9	148.9	98,700 b																50
55	50.0	141.6	90,000 *	57.1	146.0	87,200 b	61.0	147.7	85,000 b													55
60	44.5	137.0	81,300	52.1	142.4	78,000	56.2	144.7	76,000 b	62.7	147.0	72,800 b										60
65	38.3	131.3	73,400	46.7	138.1	70,500	51.2	141.0	68,700	58.0	144.1	65,700 b										65
70	31.1	124.1	66,800	40.8	132.9	64,200	45.7	136.6	62,500	53.0	140.7	59,900 b										70
75	21.9	114.0	60,300 *	34.0	126.4	58,800	39.7	131.1	57,300	47.7	136.5	54,900	54.6	139.6	52,400 b							75
80	2.0	90.3	41,500 *	25.8	117.7	54,200	32.7	124.3	52,800	41.9	131.5	50,600	49.4	135.6	48,300							80
85				13.7	103.7	50,100	24.1	115.1	48,900	35.3	125.2	46,900	43.8	130.9	44,800	50.9	133.9	42,700				85
90							10.2	98.9	45,400	27.4	117.0	43,600	37.5	125.1	41,600	45.4	129.5	39,700				90
95										16.5	104.6	40,600	30.2	117.6	38,900	39.3	124.0	37,100	46.7	127.1	35,300	95
100													20.6	107.1	36,300	32.3	117.1	34,700	40.7	121.9	33,100	100
105																23.6	107.6	32,600	34.0	115.3	31,000	105
110																8.9	90.5	30,500	25.7	106.6	29,200	110
115																			13.6	92.6	27,500	115

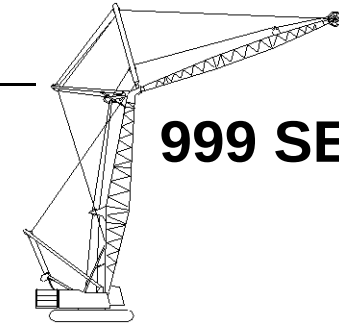
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

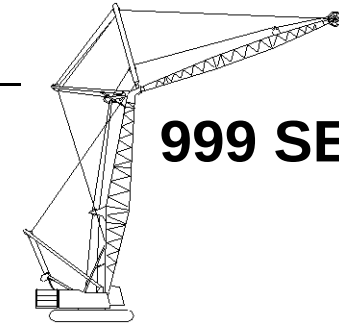
80 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	68.0	162.1	95,100 *b																			40
45	64.1	159.9	90,200 *b																			45
50	60.0	157.2	87,400 *b	65.6	160.1	94,600 *b																50
55	55.8	154.1	83,400 *	61.6	157.6	86,900 b	64.9	158.9	84,700 b													55
60	51.4	150.4	79,800 *	57.5	154.6	77,800	60.9	156.4	75,800 b													60
65	46.6	146.1	73,300	53.1	151.2	70,200	56.7	153.3	68,400	62.4	155.6	65,400 b										65
70	41.5	140.9	66,700	48.5	147.1	64,000	52.3	149.8	62,300	58.2	152.8	59,500										70
75	35.7	134.6	61,200	43.5	142.3	58,600	47.7	145.6	57,100	53.9	149.4	54,600										75
80	29.0	126.7	56,400	38.0	136.5	54,100	42.6	140.6	52,600	49.3	145.5	50,300	55.3	148.3	48,000							80
85	20.4	115.9	51,100 *	31.8	129.3	50,100	37.0	134.6	48,800	44.4	140.8	46,600	50.8	144.5	44,500							85
90	1.8	90.5	35,900 *	24.1	119.9	46,600	30.6	127.1	45,400	39.1	135.2	43,300	46.0	140.1	41,300	52.1	142.7	39,400				90
95				12.8	104.9	43,400	22.5	117.1	42,300	33.0	128.3	40,500	40.8	134.8	38,600	47.4	138.5	36,800				95
100							9.5	99.7	39,500	25.6	119.4	37,900	35.0	128.4	36,100	42.3	133.5	34,400				100
105										15.4	106.0	35,500	28.2	120.2	33,900	36.7	127.4	32,300	43.5	131.3	30,700	105
110													19.3	108.9	31,900	30.2	119.8	30,400	38.0	125.5	28,900	110
115																22.0	109.6	28,600	31.7	118.3	27,200	115
120																8.4	91.2	27,000	24.1	108.8	25,700	120
125																			12.7	93.8	24,300	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

80 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.6	172.8	83,300 *b																			40
45	67.1	170.9	79,200 *b																			45
50	63.6	168.6	76,800 *b	68.5	170.9	83,000 *b																50
55	60.0	165.9	73,400 *	65.0	168.8	79,200 *b	67.9	169.8	82,300 *b													55
60	56.3	162.8	70,300 *	61.4	166.3	75,700 *	64.4	167.6	75,600 b													60
65	52.4	159.2	67,400 *	57.8	163.3	70,100	60.8	165.0	68,200													65
70	48.2	155.1	64,800 *	53.9	159.9	63,800	57.1	162.0	62,100	62.1	164.3	59,300										70
75	43.8	150.2	61,100	49.9	156.0	58,500	53.2	158.5	56,900	58.4	161.4	54,400										75
80	39.0	144.6	56,300	45.6	151.5	53,900	49.1	154.5	52,500	54.6	158.1	50,100										80
85	33.6	137.8	52,200	40.9	146.1	50,000	44.8	149.8	48,600	50.6	154.3	46,400	55.8	157.0	44,200							85
90	27.3	129.3	48,500	35.8	139.8	46,500	40.1	144.4	45,200	46.4	149.9	43,200	51.9	153.3	41,100							90
95	19.3	117.6	44,200 *	29.9	132.1	43,400	34.8	137.8	42,300	41.8	144.7	40,300	47.7	149.1	38,400	53.0	151.5	36,500				95
100	1.7	90.6	31,600 *	22.7	122.0	40,600	28.8	129.8	39,600	36.7	138.6	37,800	43.3	144.2	36,000	48.9	147.5	34,200				100
105				12.0	106.0	38,100	21.2	119.1	37,100	31.0	131.2	35,500	38.4	138.4	33,800	44.5	142.7	32,100				105
110							9.0	100.5	34,900	24.2	121.6	33,400	32.9	131.4	31,800	39.8	137.2	30,200	45.5	140.4	28,700	110
115										14.5	107.3	31,400	26.5	122.7	30,000	34.5	130.6	28,500	40.9	135.1	27,100	115
120													18.1	110.5	28,300	28.4	122.5	26,900	35.7	128.8	25,600	120
125																20.8	111.5	25,500	29.9	121.0	24,200	125
130																7.9	92.0	24,100	22.7	110.9	22,900	130
135																			11.9	94.9	21,700	135

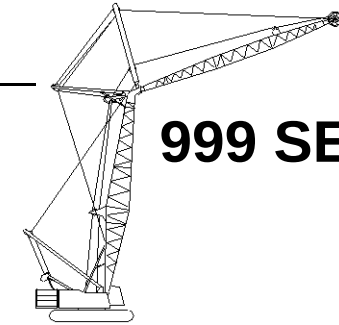
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

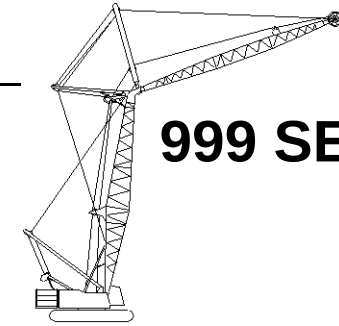
80 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	72.6	183.3	77,900 *b																			40
45	69.5	181.6	75,300 *b																			45
50	66.4	179.6	71,700 *	70.7	181.6	77,400 *b																50
55	63.3	177.3	68,400 *	67.7	179.7	73,800 *b																55
60	60.0	174.6	65,300 *	64.5	177.5	70,400 *	67.1	178.6	73,200 *													60
65	56.7	171.5	62,400 *	61.3	174.9	67,300 *	64.0	176.3	67,900													65
70	53.2	168.0	59,700 *	58.0	172.0	63,500	60.7	173.7	61,800													70
75	49.5	164.0	57,300 *	54.5	168.6	58,200	57.4	170.7	56,600	61.9	173.0	54,000										75
80	45.6	159.4	55,100 *	50.9	164.8	53,700	53.9	167.3	52,200	58.6	170.1	49,800										80
85	41.4	154.1	52,000	47.1	160.5	49,700	50.3	163.4	48,400	55.2	166.8	46,100										85
90	36.9	148.0	48,400	43.1	155.5	46,300	46.5	158.9	45,000	51.6	163.1	42,900	56.3	165.6	40,800							90
95	31.8	140.7	45,200	38.7	149.8	43,200	42.4	153.8	42,000	47.8	158.9	40,000	52.8	162.1	38,100							95
100	25.9	131.6	42,300	33.9	142.9	40,500	37.9	147.9	39,300	43.8	154.0	37,500	49.1	158.0	35,600							100
105	18.3	119.3	38,400 *	28.3	134.7	38,000	33.0	140.9	37,000	39.5	148.4	35,200	45.2	153.4	33,500	50.1	156.3	31,800				105
110	1.6	90.8	27,800 *	21.5	123.9	35,800	27.3	132.3	34,800	34.8	141.8	33,100	41.0	148.0	31,500	46.2	151.9	29,900				110
115				11.4	107.0	33,700	20.1	120.9	32,800	29.4	133.9	31,300	36.4	141.8	29,700	42.1	146.7	28,200	47.1	149.5	26,700	115
120							8.5	101.3	31,000	22.9	123.7	29,500	31.2	134.3	28,100	37.7	140.7	26,600	43.1	144.5	25,200	120
125										13.8	108.6	27,900	25.1	125.0	26,600	32.7	133.6	25,200	38.7	138.7	23,900	125
130													17.2	112.1	25,200	26.9	124.9	23,900	33.8	131.9	22,600	130
135																19.7	113.3	22,700	28.3	123.6	21,500	135
140																7.5	92.6	21,500	21.5	112.9	20,400	140
145																			11.3	95.9	19,300	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

80 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.2	193.8	73,400 *b																			40
45	71.5	192.2	71,500 *b																			45
50	68.7	190.4	68,600 *																			50
55	65.9	188.3	65,700 *	69.8	190.4	70,300 *																55
60	63.0	185.9	62,900 *	67.0	188.4	67,500 *																60
65	60.0	183.2	60,200 *	64.1	186.2	64,600 *	66.5	187.3	67,000 *													65
70	57.0	180.2	57,700 *	61.2	183.6	61,900 *	63.6	185.0	61,700													70
75	53.8	176.7	55,400 *	58.2	180.7	58,200	60.7	182.4	56,600													75
80	50.5	172.8	53,200 *	55.0	177.4	53,600	57.6	179.4	52,200	61.7	181.6	49,700										80
85	47.0	168.4	51,200 *	51.8	173.6	49,700	54.5	176.0	48,300	58.7	178.8	46,000										85
90	43.4	163.5	48,400	48.4	169.5	46,200	51.2	172.2	45,000	55.6	175.5	42,800										90
95	39.4	157.8	45,200	44.8	164.7	43,200	47.8	167.9	42,000	52.4	171.9	40,000	56.6	174.3	38,000							95
100	35.1	151.2	42,400	41.0	159.4	40,500	44.2	163.1	39,300	49.0	167.8	37,500	53.4	170.8	35,600							100
105	30.3	143.5	39,800	36.9	153.2	38,000	40.3	157.6	37,000	45.5	163.2	35,200	50.1	166.9	33,400							105
110	24.7	133.9	37,500	32.3	145.9	35,800	36.1	151.3	34,800	41.7	157.9	33,100	46.6	162.5	31,500	51.0	165.2	29,900				110
115	17.4	120.9	31,900 *	27.0	137.1	33,800	31.4	143.8	32,900	37.6	151.9	31,300	42.9	157.4	29,700	47.6	160.9	28,200				115
120	1.6	90.9	23,100 *	20.5	125.8	32,000	26.0	134.6	31,100	33.1	144.9	29,600	39.0	151.7	28,100	44.0	156.0	26,600				120
125				10.9	108.0	29,900 *	19.2	122.6	29,400	28.0	136.4	28,000	34.6	145.0	26,600	40.1	150.5	25,200	44.8	153.7	23,900	125
130							8.1	102.0	27,900	21.8	125.6	26,600	29.7	137.0	25,200	35.9	144.1	23,900	41.0	148.4	22,600	130
135										13.1	109.8	25,200	24.0	127.1	24,000	31.1	136.5	22,700	36.8	142.2	21,500	135
140													16.4	113.5	22,800	25.7	127.3	21,600	32.2	134.9	20,400	140
145																18.8	115.0	20,500	27.0	126.1	19,400	145
150																7.1	93.3	19,500	20.5	114.7	18,500	150
155																			10.8	96.8	17,600	155

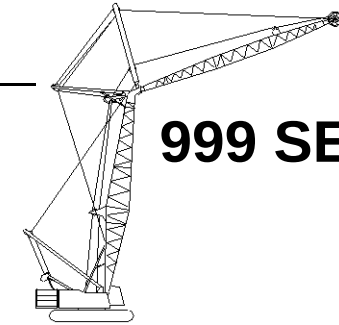
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

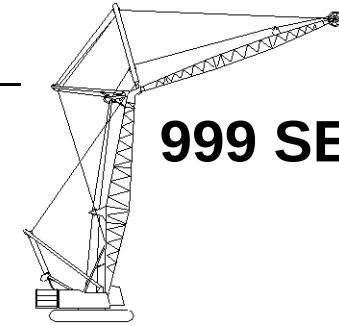
80 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.5	204.1	68,000 *b																			40
45	73.1	202.7	66,300 *b																			45
50	70.5	201.1	63,400 *																			50
55	68.0	199.2	60,700 *																			55
60	65.4	197.0	58,200 *	69.0	199.2	62,200 *																60
65	62.7	194.6	55,800 *	66.4	197.2	59,800 *																65
70	60.0	191.9	53,500 *	63.8	194.9	57,300 *	66.0	196.1	59,300 *													70
75	57.2	188.8	51,300 *	61.1	192.2	55,000 *	63.3	193.7	56,300													75
80	54.3	185.4	49,100 *	58.3	189.3	52,800 *	60.6	191.0	51,900													80
85	51.3	181.6	47,100 *	55.5	186.1	49,400	57.8	188.0	48,000	61.6	190.3	45,700										85
90	48.2	177.4	45,200 *	52.5	182.4	46,000	55.0	184.7	44,700	58.8	187.4	42,500										90
95	44.9	172.7	43,500 *	49.4	178.4	42,900	52.0	181.0	41,700	56.0	184.2	39,700										95
100	41.4	167.4	41,800 *	46.2	173.8	40,200	48.9	176.9	39,100	53.1	180.7	37,100	56.9	183.0	35,300							100
105	37.7	161.3	39,600	42.8	168.8	37,800	45.6	172.3	36,700	50.0	176.7	34,900	54.0	179.6	33,100							105
110	33.6	154.3	37,300	39.2	163.0	35,600	42.2	167.1	34,600	46.8	172.3	32,800	51.0	175.7	31,100							110
115	29.0	146.1	35,200	35.2	156.4	33,600	38.5	161.2	32,600	43.4	167.3	31,000	47.9	171.4	29,400	51.8	174.0	27,800				115
120	23.6	136.0	33,100 *	30.9	148.7	31,800	34.5	154.4	30,900	39.9	161.7	29,300	44.5	166.7	27,800	48.7	169.8	26,300				120
125	16.7	122.4	28,100 *	25.8	139.5	30,100	30.0	146.5	29,200	36.0	155.2	27,800	41.0	161.2	26,300	45.5	165.2	24,900				125
130	1.5	91.1	20,500 *	19.6	127.5	28,600	24.8	136.9	27,700	31.7	147.8	26,300	37.2	155.1	25,000	42.0	159.9	23,600	46.2	162.8	22,300	130
135				10.4	108.9	26,500 *	18.4	124.3	26,400	26.8	138.8	25,000	33.1	148.0	23,700	38.3	154.0	22,400	42.8	157.8	21,100	135
140							7.8	102.7	25,000	20.9	127.5	23,800	28.4	139.6	22,500	34.3	147.2	21,300	39.2	152.0	20,100	140
145										12.6	110.9	22,600	22.9	129.2	21,500	29.8	139.2	20,300	35.2	145.4	19,100	145
150													15.7	114.9	20,400	24.6	129.5	19,300	30.8	137.7	18,200	150
155																18.0	116.6	18,400	25.8	128.4	17,300	155
160																6.8	93.9	17,500	19.6	116.5	16,500	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

80 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	213.2	56,400 *b																			45
50	72.1	211.6	54,100 *																			50
55	69.8	209.9	51,800 *																			55
60	67.4	208.0	49,700 *	70.7	209.9	52,900 *																60
65	65.0	205.8	47,600 *	68.3	208.0	50,800 *																65
70	62.5	203.3	45,600 *	65.9	205.9	48,700 *	67.9	206.9	50,300 *													70
75	60.0	200.5	43,800 *	63.5	203.5	46,800 *	65.5	204.8	48,300 *													75
80	57.4	197.5	42,000 *	61.0	200.9	44,900 *	63.1	202.4	46,400 *													80
85	54.8	194.2	40,300 *	58.5	198.0	43,100 *	60.6	199.7	44,600 *													85
90	52.0	190.4	38,800 *	55.8	194.8	41,400 *	58.0	196.7	42,900 *	61.5	199.0	42,300										90
95	49.2	186.3	37,200 *	53.1	191.2	39,800 *	55.4	193.4	41,200 *	58.9	196.1	39,400										95
100	46.2	181.8	35,800 *	50.3	187.2	38,200 *	52.6	189.8	38,800	56.3	192.9	36,900										100
105	43.1	176.7	34,500 *	47.4	182.9	36,700 *	49.8	185.8	36,500	53.6	189.4	34,600	57.1	191.7	32,800							105
110	39.7	171.1	33,200 *	44.3	178.0	35,300 *	46.9	181.3	34,400	50.8	185.5	32,600	54.5	188.3	30,900							110
115	36.2	164.6	32,100 *	41.1	172.6	33,400	43.8	176.4	32,400	47.9	181.2	30,800	51.7	184.5	29,100							115
120	32.2	157.3	31,000 *	37.6	166.5	31,600	40.5	170.8	30,700	44.9	176.5	29,100	48.9	180.4	27,500	52.5	182.7	26,000				120
125	27.8	148.6	30,000 *	33.8	159.5	30,000	36.9	164.6	29,100	41.7	171.2	27,600	45.9	175.8	26,100	49.7	178.7	24,600				125
130	22.7	138.0	29,100 *	29.6	151.4	28,400	33.1	157.5	27,600	38.2	165.2	26,100	42.7	170.7	24,700	46.7	174.2	23,300				130
135	16.0	123.8	25,100 *	24.8	141.7	27,000	28.8	149.1	26,200	34.5	158.4	24,800	39.4	164.9	23,500	43.6	169.3	22,200	47.4	171.9	20,900	135
140	1.4	91.2	18,300 *	18.9	129.2	25,700	23.9	139.0	24,900	30.4	150.6	23,600	35.7	158.4	22,300	40.3	163.7	21,100	44.3	167.0	19,800	140
145				10.0	109.8	23,700 *	17.6	125.8	23,800	25.7	141.2	22,500	31.8	150.9	21,300	36.8	157.4	20,100	41.0	161.6	18,900	145
150							7.5	103.4	22,600	20.1	129.3	21,500	27.3	142.1	20,300	32.9	150.2	19,100	37.6	155.5	18,000	150
155										12.1	112.0	20,400	22.0	131.2	19,300	28.6	141.8	18,200	33.8	148.5	17,100	155
160													15.1	116.3	18,400	23.6	131.6	17,400	29.6	140.4	16,300	160
170																6.6	94.5	15,800	18.8	118.2	14,900	170

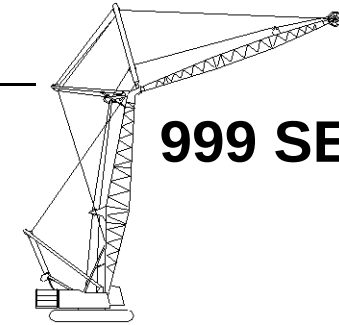
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

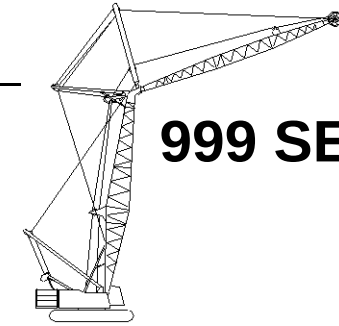
80 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	223.5	52,200 *																			45
50	73.4	222.1	50,000 *																			50
55	71.3	220.5	47,900 *																			55
60	69.1	218.7	45,900 *																			60
65	66.9	216.7	43,900 *	69.9	218.7	46,800 *																65
70	64.6	214.5	42,100 *	67.7	216.8	44,900 *																70
75	62.4	212.0	40,300 *	65.5	214.6	43,100 *	67.4	215.7	44,400 *													75
80	60.0	209.2	38,600 *	63.2	212.2	41,300 *	65.1	213.5	42,700 *													80
85	57.6	206.2	36,900 *	60.9	209.6	39,500 *	62.8	211.0	40,900 *													85
90	55.2	202.9	35,400 *	58.6	206.6	37,900 *	60.5	208.3	39,300 *													90
95	52.6	199.2	33,900 *	56.1	203.4	36,300 *	58.1	205.4	37,700 *	61.4	207.6	39,100										95
100	50.0	195.2	32,500 *	53.6	199.9	34,800 *	55.7	202.1	36,100 *	59.0	204.8	36,600										100
105	47.3	190.8	31,200 *	51.0	196.1	33,400 *	53.2	198.5	34,600 *	56.6	201.6	34,300										105
110	44.4	186.0	29,900 *	48.4	191.8	32,000 *	50.6	194.6	33,200 *	54.1	198.1	32,300	57.4	200.4	30,600							110
115	41.4	180.6	28,700 *	45.6	187.2	30,700 *	47.9	190.3	31,900 *	51.5	194.4	30,500	54.9	197.0	28,800							115
120	38.2	174.6	27,600 *	42.6	182.0	29,500 *	45.1	185.6	30,400	48.9	190.2	28,800	52.3	193.3	27,200							120
125	34.8	167.8	26,500 *	39.5	176.3	28,300 *	42.1	180.3	28,800	46.1	185.6	27,300	49.7	189.3	25,700							125
130	31.0	160.1	25,500 *	36.2	169.8	27,200 *	38.9	174.5	27,300	43.2	180.5	25,900	47.0	184.8	24,400	50.4	187.6	23,000				130
135	26.8	151.1	24,600 *	32.5	162.5	26,200 *	35.6	167.9	26,000	40.1	174.9	24,600	44.1	179.9	23,200	47.7	183.2	21,800				135
140	21.8	140.0	23,800 *	28.5	154.0	25,200 *	31.9	160.4	24,700	36.8	168.6	23,400	41.1	174.5	22,000	44.9	178.5	20,700				140
145	15.4	125.2	22,200 *	23.9	143.9	24,300	27.8	151.7	23,500	33.2	161.5	22,200	37.9	168.4	21,000	41.9	173.2	19,700	45.5	176.2	18,500	145
150	1.4	91.3	16,200 *	18.2	130.9	23,200	23.0	141.1	22,400	29.3	153.2	21,200	34.4	161.6	20,000	38.8	167.3	18,800	42.6	171.0	17,600	150
155				9.7	110.7	21,100 *	17.0	127.4	21,400	24.8	143.4	20,200	30.6	153.7	19,100	35.4	160.7	17,900	39.5	165.2	16,800	155
160							7.2	104.0	20,400	19.3	131.1	19,300	26.3	144.5	18,200	31.7	153.1	17,100	36.1	158.8	16,000	160
170													14.5	117.6	16,600	22.7	133.7	15,600	28.5	143.0	14,600	170
180																6.3	95.0	14,200	18.1	119.8	13,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

80 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	232.5	46,400 *																			50
55	72.6	231.0	44,400 *																			55
60	70.5	229.4	42,500 *																			60
65	68.5	227.5	40,700 *																			65
70	66.4	225.4	38,900 *	69.3	227.5	41,500 *																70
75	64.3	223.1	37,200 *	67.2	225.5	39,800 *																75
80	62.2	220.6	35,600 *	65.2	223.3	38,100 *	66.9	224.4	39,400 *													80
85	60.0	217.9	34,000 *	63.0	220.9	36,500 *	64.8	222.2	37,800 *													85
90	57.8	214.9	32,500 *	60.9	218.2	34,900 *	62.7	219.7	36,200 *													90
95	55.5	211.6	31,100 *	58.7	215.3	33,400 *	60.5	217.0	34,700 *													95
100	53.1	208.0	29,800 *	56.4	212.1	31,900 *	58.3	214.0	33,200 *	61.3	216.3	35,000 *										100
105	50.7	204.1	28,500 *	54.1	208.7	30,500 *	56.0	210.8	31,800 *	59.1	213.4	33,600 *										105
110	48.2	199.8	27,200 *	51.7	204.9	29,200 *	53.7	207.3	30,400 *	56.8	210.3	32,200 *										110
115	45.6	195.1	26,100 *	49.2	200.7	28,000 *	51.2	203.4	29,100 *	54.5	206.9	30,400	57.5	209.0	28,700							115
120	42.9	190.0	24,900 *	46.6	196.2	26,700 *	48.8	199.2	27,800 *	52.1	203.1	28,700	55.2	205.7	27,100							120
125	40.0	184.3	23,900 *	43.9	191.3	25,600 *	46.2	194.7	26,600 *	49.6	199.1	27,200	52.9	202.1	25,600							125
130	36.9	178.0	22,900 *	41.1	185.8	24,500 *	43.5	189.6	25,500 *	47.1	194.6	25,800	50.4	198.1	24,300							130
135	33.6	170.9	21,900 *	38.1	179.8	23,500 *	40.6	184.1	24,400 *	44.4	189.8	24,500	47.9	193.8	23,100	51.1	196.4	21,700				135
140	30.0	162.8	21,100 *	34.9	173.0	22,500 *	37.6	177.9	23,400 *	41.6	184.4	23,300	45.3	189.1	21,900	48.6	192.2	20,600				140
145	25.9	153.4	20,200 *	31.4	165.4	21,600 *	34.3	171.0	22,400 *	38.7	178.5	22,200	42.5	183.9	20,900	46.0	187.6	19,600				145
150	21.1	141.9	19,500 *	27.5	156.5	20,700 *	30.8	163.2	21,500 *	35.5	171.9	21,100	39.6	178.2	19,900	43.3	182.5	18,700	46.6	185.2	17,500	150
155	14.9	126.5	18,900 *	23.1	145.9	19,900 *	26.8	154.1	20,700 *	32.1	164.4	20,200	36.5	171.8	19,000	40.4	176.9	17,800	43.9	180.3	16,700	155
160	1.3	91.4	14,500 *	17.6	132.4	19,200 *	22.2	143.1	19,900 *	28.3	155.8	19,300	33.2	164.6	18,100	37.4	170.7	17,000	41.1	174.8	15,900	160
170							7.0	104.7	18,600	18.7	132.7	17,600	25.4	146.8	16,600	30.6	155.9	15,500	34.9	162.0	14,500	170
180													14.0	118.8	15,100	21.9	135.6	14,200	27.5	145.5	13,200	180
190																6.1	95.6	12,900	17.5	121.4	12,100	190

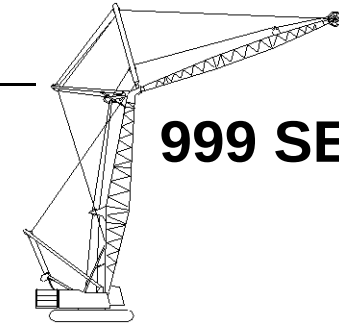
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

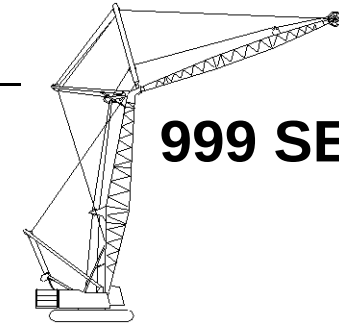
80 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	242.9	42,700 *																			50
55	73.7	241.5	40,900 *																			55
60	71.8	239.9	39,100 *																			60
65	69.9	238.2	37,300 *																			65
70	68.0	236.3	35,700 *	70.6	238.2	38,100 *																70
75	66.0	234.2	34,000 *	68.7	236.3	36,400 *																75
80	64.1	231.8	32,500 *	66.8	234.3	34,800 *																80
85	62.1	229.3	31,000 *	64.8	232.0	33,300 *	66.5	233.2	34,400 *													85
90	60.0	226.5	29,500 *	62.8	229.6	31,700 *	64.5	230.9	32,900 *													90
95	57.9	223.5	28,100 *	60.8	226.9	30,300 *	62.5	228.4	31,500 *													95
100	55.8	220.3	26,800 *	58.7	224.0	28,900 *	60.5	225.7	30,000 *													100
105	53.6	216.7	25,600 *	56.6	220.8	27,500 *	58.4	222.7	28,700 *	61.2	224.9	30,300 *										105
110	51.3	212.9	24,300 *	54.5	217.4	26,200 *	56.2	219.5	27,400 *	59.1	222.1	29,000 *										110
115	49.0	208.7	23,200 *	52.2	213.7	25,000 *	54.1	216.0	26,100 *	57.0	219.0	27,800 *										115
120	46.6	204.2	22,100 *	49.9	209.6	23,800 *	51.8	212.2	24,900 *	54.8	215.6	26,500 *	57.7	217.7	26,800							120
125	44.1	199.2	21,100 *	47.5	205.2	22,700 *	49.5	208.1	23,700 *	52.6	211.9	25,300 *	55.5	214.4	25,300							125
130	41.4	193.8	20,100 *	45.1	200.5	21,600 *	47.1	203.7	22,600 *	50.3	207.9	24,100 *	53.3	210.8	24,000							130
135	38.6	187.9	19,100 *	42.5	195.2	20,600 *	44.6	198.8	21,500 *	48.0	203.6	23,000 *	51.1	207.0	22,800							135
140	35.7	181.3	18,200 *	39.7	189.5	19,600 *	42.0	193.5	20,500 *	45.5	198.9	22,000 *	48.7	202.7	21,600	51.7	205.2	20,300				140
145	32.5	173.9	17,400 *	36.9	183.2	18,700 *	39.3	187.7	19,600 *	42.9	193.8	20,900 *	46.3	198.2	20,600	49.4	201.1	19,300				145
150	29.0	165.5	16,600 *	33.8	176.1	17,900 *	36.3	181.3	18,600 *	40.2	188.1	20,000 *	43.8	193.2	19,600	47.0	196.6	18,400				150
155	25.0	155.7	15,900 *	30.4	168.1	17,000 *	33.2	174.1	17,800 *	37.4	181.9	19,000 *	41.1	187.7	18,700	44.5	191.7	17,500	47.5	194.2	16,400	155
160	20.4	143.7	15,200 *	26.6	158.9	16,300 *	29.8	165.9	17,000 *	34.3	175.0	18,200 *	38.3	181.7	17,800	41.9	186.4	16,700	45.0	189.4	15,600	160
170	1.3	91.5	12,900 *	17.0	134.0	14,900 *	21.5	145.0	15,500 *	27.3	158.3	16,600 *	32.1	167.5	16,300	36.2	174.1	15,200	39.7	178.5	14,200	170
180							6.7	105.3	14,300 *	18.1	134.4	15,200 *	24.6	149.0	14,900	29.6	158.6	13,900	33.7	165.1	12,900	180
190													13.6	120.1	13,600	21.2	137.5	12,700	26.6	147.9	11,800	190
200																5.9	96.1	11,600	16.9	122.9	10,800	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

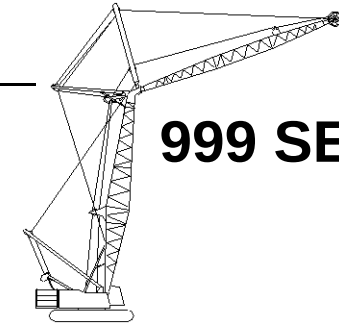
80 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	251.9	37,800 *																			55
60	72.9	250.4	36,200 *																			60
65	71.1	248.8	34,500 *																			65
70	69.3	247.0	32,900 *																			70
75	67.5	245.0	31,400 *	70.0	247.0	33,600 *																75
80	65.7	242.9	29,900 *	68.2	245.1	32,100 *																80
85	63.8	240.5	28,500 *	66.4	243.0	30,600 *	67.9	244.0	31,700 *													85
90	61.9	238.0	27,100 *	64.6	240.7	29,200 *	66.1	241.9	30,300 *													90
95	60.0	235.2	25,800 *	62.7	238.2	27,800 *	64.2	239.6	28,900 *													95
100	58.1	232.2	24,500 *	60.8	235.6	26,400 *	62.3	237.0	27,500 *													100
105	56.0	228.9	23,300 *	58.8	232.6	25,200 *	60.4	234.3	26,200 *	63.0	236.3	27,700 *										105
110	54.0	225.4	22,100 *	56.8	229.5	23,900 *	58.5	231.4	25,000 *	61.1	233.6	26,500 *										110
115	51.9	221.7	21,000 *	54.8	226.1	22,700 *	56.5	228.2	23,700 *	59.2	230.7	25,300 *										115
120	49.7	217.6	20,000 *	52.7	222.4	21,600 *	54.4	224.7	22,600 *	57.2	227.6	24,100 *										120
125	47.5	213.2	18,900 *	50.6	218.5	20,500 *	52.3	221.0	21,500 *	55.2	224.3	22,900 *	57.8	226.4	24,200 *							125
130	45.1	208.4	18,000 *	48.3	214.2	19,500 *	50.2	217.0	20,400 *	53.1	220.7	21,800 *	55.8	223.1	23,100 *							130
135	42.7	203.2	17,100 *	46.0	209.6	18,500 *	47.9	212.7	19,400 *	50.9	216.8	20,800 *	53.7	219.6	22,100 *							135
140	40.1	197.5	16,200 *	43.6	204.5	17,600 *	45.6	208.0	18,400 *	48.7	212.5	19,700 *	51.6	215.8	21,000 *							140
145	37.5	191.3	15,400 *	41.1	199.1	16,700 *	43.2	202.9	17,500 *	46.5	208.0	18,800 *	49.4	211.6	20,000 *	52.2	214.0	19,000				145
150	34.6	184.4	14,600 *	38.5	193.1	15,800 *	40.7	197.3	16,600 *	44.1	203.0	17,800 *	47.2	207.2	19,000 *	50.1	210.0	18,100				150
155	31.5	176.7	13,800 *	35.7	186.5	15,000 *	38.0	191.2	15,700 *	41.6	197.6	16,900 *	44.8	202.4	18,100 *	47.8	205.6	17,200				155
160	28.1	168.0	13,100 *	32.7	179.1	14,200 *	35.2	184.5	14,900 *	39.0	191.7	16,100 *	42.4	197.1	17,200 *	45.5	200.9	16,400				160
170	19.8	145.5	11,600 *	25.8	161.3	12,800 *	28.9	168.5	13,400 *	33.3	178.0	14,500 *	37.1	185.1	15,500 *	40.6	190.2	15,000	43.6	193.5	13,900	170
180	1.3	91.7	10,100 *	16.5	135.4	11,100 *	20.8	146.9	11,800 *	26.5	160.7	13,000 *	31.1	170.4	14,000 *	35.1	177.3	13,700	38.5	182.0	12,700	180
190							6.5	105.8	10,300 *	17.5	135.9	11,300 *	23.8	151.1	12,400 *	28.7	161.2	12,500	32.7	168.1	11,600	190
200													13.2	121.2	10,800 *	20.6	139.4	11,400	25.8	150.2	10,600	200
210																5.7	96.6	10,300 *	16.4	124.3	9,700	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

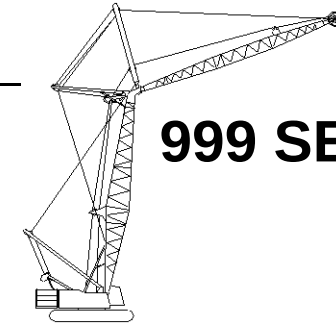
90 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	60.4	158.8	96,900 *b																			45
50	55.5	155.7	94,000 *b	63.0	159.5	98,300 b																50
55	50.4	151.9	90,200 *	58.3	156.7	86,800 b	62.7	158.5	84,300 b													55
60	44.9	147.3	81,400	53.3	153.3	77,700 b	57.9	155.6	75,400 b													60
65	38.7	141.7	73,600	48.0	149.2	70,200	53.0	152.2	68,100 b	60.4	155.3	64,700 b										65
70	31.6	134.6	67,000	42.3	144.2	63,900	47.7	148.0	62,000	55.6	152.2	59,000 b										70
75	22.6	124.9	61,300	35.8	138.0	58,600	41.8	143.0	56,900	50.5	148.4	54,000	58.0	151.2	51,200 b							75
80	6.0	105.3	46,300 *	28.0	130.0	54,000	35.3	136.7	52,400	45.0	143.9	49,800	53.0	147.8	47,200							80
85				17.4	118.1	49,900	27.4	128.5	48,500	38.8	138.3	46,100	47.7	143.7	43,700							85
90							16.4	116.1	45,100	31.7	131.2	42,900	41.9	138.6	40,700	50.1	142.4	38,500				90
95										22.8	121.5	40,000	35.3	132.4	38,000	44.5	137.8	35,900				95
100										6.6	102.5	37,300	27.5	124.2	35,500	38.3	132.1	33,600	46.7	135.8	31,700	100
105																31.1	124.9	31,600	40.7	130.6	29,800	105
110																22.0	114.9	29,700	34.0	124.0	28,000	110
115																2.6	91.9	27,800	25.7	115.3	26,400	115
120																			13.6	101.3	24,900	120

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

90 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	68.3	172.3	95,000 *b																			40
45	64.4	170.1	90,300 *b																			45
50	60.3	167.4	87,500 *b	66.6	170.5	95,500 *b																50
55	56.1	164.3	83,600 *	62.6	168.2	86,600 b	66.3	169.6	84,000 b													55
60	51.7	160.7	80,000 *	58.5	165.3	77,400 b	62.3	167.2	75,100 b													60
65	47.0	156.4	73,400	54.2	162.0	69,900	58.2	164.3	67,800													65
70	41.8	151.3	66,900	49.6	158.1	63,700	53.9	160.9	61,800	60.4	164.0	58,600 b										70
75	36.1	145.1	61,300	44.8	153.5	58,400	49.3	157.0	56,600	56.2	160.9	53,700										75
80	29.5	137.4	56,500	39.4	147.9	53,800	44.4	152.3	52,200	51.7	157.2	49,500										80
85	21.2	126.8	52,300	33.4	141.1	49,900	39.0	146.7	48,400	47.0	153.0	45,900	53.9	156.5	43,400							85
90	5.7	105.8	40,100 *	26.2	132.4	46,400	32.9	139.8	45,000	41.9	147.9	42,700	49.4	152.6	40,400							90
95				16.3	119.5	43,200	25.6	130.9	42,000	36.2	141.7	39,800	44.5	147.9	37,700	51.4	151.2	35,600				95
100							15.3	117.5	39,300	29.6	134.0	37,300	39.1	142.3	35,300	46.6	146.9	33,300				100
105										21.3	123.5	35,000	33.0	135.4	33,100	41.5	141.7	31,200				105
110										6.2	103.1	32,800	25.7	126.5	31,100	35.8	135.4	29,400	43.5	139.9	27,700	110
115													15.5	113.2	29,300	29.1	127.6	27,700	38.0	134.1	26,100	115
120																20.5	116.7	26,100	31.7	126.9	24,600	120
125																2.5	92.1	24,600	24.1	117.5	23,300	125
130																			12.7	102.4	22,000	130

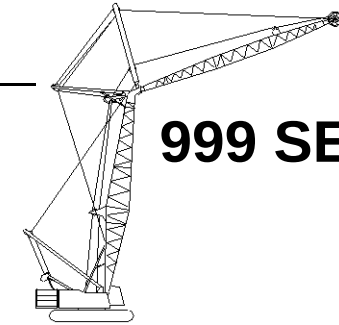
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

Designed And Tested
With The Intent To Be In
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999 SERIES 1

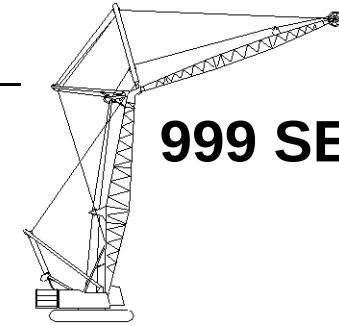
90 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.8	182.9	83,200 *b																			40
45	67.4	181.0	79,200 *b																			45
50	63.9	178.8	76,900 *b	69.3	181.3	83,600 *b																50
55	60.3	176.1	73,500 *	65.9	179.3	79,900 *b																55
60	56.5	173.0	70,400 *	62.3	176.8	76,400 *	65.6	178.3	74,900 b													60
65	52.6	169.5	67,500 *	58.7	174.0	69,800	62.1	175.8	67,600													65
70	48.5	165.4	64,900 *	54.9	170.7	63,500	58.4	173.0	61,600													70
75	44.1	160.6	61,200	50.9	166.9	58,200	54.6	169.7	56,400	60.3	172.6	53,500										75
80	39.3	155.0	56,400	46.6	162.6	53,700	50.6	165.8	52,000	56.6	169.6	49,300										80
85	34.0	148.3	52,300	42.1	157.4	49,700	46.3	161.4	48,200	52.7	166.0	45,700										85
90	27.8	139.9	48,600	37.1	151.4	46,300	41.7	156.2	44,900	48.6	161.9	42,500	54.6	165.3	40,100							90
95	19.9	128.6	45,400	31.4	144.0	43,200	36.7	150.1	41,900	44.2	157.2	39,700	50.6	161.4	37,500							95
100	5.3	106.3	35,200 *	24.6	134.7	40,500	31.0	142.6	39,200	39.4	151.6	37,100	46.4	157.0	35,100	52.4	160.0	33,100				100
105				15.3	120.9	38,000	24.1	133.1	36,800	34.1	144.9	34,900	41.8	151.8	32,900	48.3	155.8	31,000				105
110							14.4	118.8	34,600	27.9	136.5	32,800	36.8	145.7	31,000	43.8	151.0	29,200				110
115										20.1	125.3	31,000	31.1	138.3	29,200	39.0	145.3	27,500	45.5	149.1	25,900	115
120										5.8	103.6	29,200	24.2	128.7	27,600	33.6	138.5	26,000	40.9	143.8	24,500	120
125													14.6	114.5	26,100	27.4	130.1	24,600	35.7	137.5	23,100	125
130																19.3	118.5	23,300	29.9	129.7	21,900	130
135																2.3	92.4	22,000	22.7	119.6	20,800	135
140																			11.9	103.5	19,700	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

90 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	72.8	193.5	77,800 *b																			40
45	69.8	191.8	75,200 *b																			45
50	66.7	189.8	71,700 *																			50
55	63.5	187.4	68,400 *	68.4	190.1	74,400 *b																55
60	60.3	184.8	65,400 *	65.3	188.0	71,100 *																60
65	56.9	181.7	62,500 *	62.1	185.5	68,000 *	65.1	187.0	67,300													65
70	53.4	178.2	59,900 *	58.8	182.7	63,200	61.9	184.5	61,300													70
75	49.8	174.3	57,500 *	55.4	179.4	58,000	58.6	181.6	56,100													75
80	45.9	169.7	55,200 *	51.8	175.7	53,400	55.1	178.4	51,700	60.3	181.3	49,000										80
85	41.7	164.5	52,100	48.1	171.5	49,500	51.6	174.6	47,900	57.0	178.2	45,300										85
90	37.2	158.5	48,500	44.1	166.7	46,000	47.8	170.4	44,600	53.5	174.8	42,200										90
95	32.2	151.2	45,300	39.8	161.2	43,000	43.8	165.5	41,600	49.8	170.8	39,300	55.2	174.0	37,100							95
100	26.3	142.3	42,400	35.1	154.6	40,300	39.5	159.9	39,000	45.9	166.3	36,800	51.6	170.2	34,700							100
105	18.9	130.3	39,800	29.8	146.8	37,800	34.8	153.3	36,600	41.8	161.1	34,600	47.9	166.0	32,600							105
110	5.1	106.8	30,900 *	23.4	136.8	35,600	29.4	145.3	34,500	37.3	155.0	32,600	43.9	161.2	30,700	49.5	164.7	28,800				110
115				14.5	122.2	33,600	22.8	135.1	32,500	32.3	147.8	30,700	39.6	155.6	28,900	45.6	160.2	27,200				115
120							13.7	120.0	30,700	26.4	139.0	29,000	34.8	149.0	27,400	41.5	154.9	25,700	47.1	158.2	24,100	120
125										19.0	127.0	27,500	29.4	141.0	25,900	36.9	148.8	24,300	43.1	153.2	22,800	125
130										5.5	104.1	26,000	22.9	130.8	24,500	31.9	141.5	23,000	38.7	147.4	21,600	130
135													13.8	115.8	23,300	25.9	132.4	21,900	33.8	140.6	20,500	135
140																18.3	120.1	20,700	28.3	132.3	19,400	140
145																2.2	92.6	19,600	21.5	121.5	18,500	145
150																			11.3	104.5	17,500	150

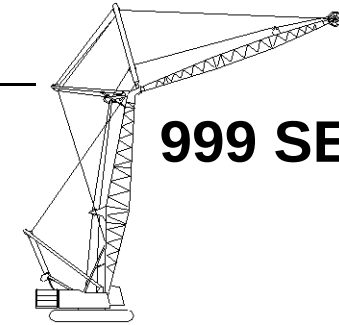
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

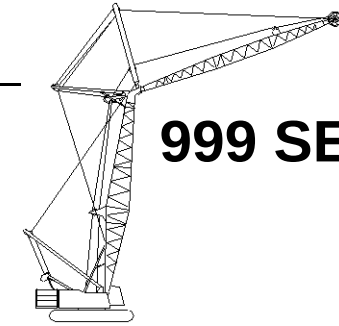
90 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.4	203.9	73,100 *b																			40
45	71.7	202.3	71,300 *b																			45
50	68.9	200.6	68,400 *																			50
55	66.1	198.5	65,600 *	70.5	200.8	70,600 *b																55
60	63.2	196.1	62,900 *	67.7	198.9	67,900 *																60
65	60.2	193.4	60,300 *	64.8	196.7	65,200 *	67.5	197.9	67,200													65
70	57.2	190.4	57,700 *	61.9	194.2	62,500 *	64.6	195.7	61,200													70
75	54.0	187.0	55,500 *	58.9	191.3	57,900	61.7	193.2	56,100													75
80	50.7	183.1	53,300 *	55.8	188.1	53,400	58.7	190.3	51,700													80
85	47.3	178.8	51,300 *	52.6	184.5	49,500	55.6	187.1	47,900	60.3	190.0	45,300										85
90	43.6	173.8	48,500	49.3	180.5	46,000	52.4	183.4	44,500	57.2	186.9	42,100										90
95	39.7	168.2	45,300	45.7	175.9	43,000	49.0	179.3	41,600	54.1	183.5	39,300										95
100	35.4	161.7	42,400	42.0	170.7	40,300	45.5	174.7	39,000	50.8	179.7	36,800	55.6	182.7	34,700							100
105	30.7	154.1	39,900	37.9	164.7	37,800	41.7	169.5	36,600	47.3	175.3	34,600	52.4	179.0	32,600							105
110	25.1	144.6	37,600	33.4	157.7	35,700	37.6	163.4	34,500	43.7	170.4	32,600	49.0	174.9	30,700							110
115	18.0	131.9	33,900 *	28.4	149.4	33,700	33.1	156.4	32,600	39.8	164.8	30,700	45.5	170.3	28,900	50.5	173.6	27,200				115
120	4.8	107.2	25,800 *	22.3	138.8	31,800	28.0	147.9	30,800	35.5	158.3	29,100	41.7	165.1	27,400	47.1	169.2	25,700				120
125				13.9	123.5	30,100	21.8	137.1	29,200	30.8	150.7	27,500	37.6	159.1	25,900	43.4	164.3	24,300				125
130							13.1	121.2	27,700	25.2	141.3	26,100	33.1	152.0	24,600	39.5	158.6	23,000	44.8	162.4	21,600	130
135										18.1	128.7	24,800	28.0	143.6	23,300	35.2	152.0	21,900	41.0	157.0	20,500	135
140										5.3	104.5	23,500	21.8	132.8	22,200	30.3	144.3	20,800	36.8	150.8	19,400	140
145													13.2	116.9	21,100	24.7	134.7	19,800	32.2	143.6	18,500	145
150																17.5	121.7	18,800	27.0	134.7	17,600	150
155																2.1	92.7	17,900	20.5	123.4	16,800	155
160																			10.8	105.5	15,900	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

90 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.7	214.2	67,700 *b																			40
45	73.2	212.8	66,100 *b																			45
50	70.7	211.2	63,300 *																			50
55	68.2	209.3	60,700 *																			55
60	65.6	207.2	58,200 *	69.6	209.6	62,600 *																60
65	62.9	204.8	55,800 *	67.0	207.6	60,100 *																65
70	60.2	202.1	53,500 *	64.4	205.4	57,800 *	66.9	206.7	59,900 *													70
75	57.4	199.1	51,400 *	61.7	202.8	55,500 *	64.2	204.4	55,800													75
80	54.5	195.7	49,200 *	59.0	200.0	53,100	61.6	201.8	51,400													80
85	51.6	191.9	47,200 *	56.2	196.8	49,200	58.8	199.0	47,600	63.0	201.3	44,900										85
90	48.4	187.7	45,400 *	53.3	193.3	45,700	56.0	195.8	44,200	60.3	198.6	41,800										90
95	45.2	183.0	43,600 *	50.2	189.3	42,700	53.0	192.2	41,300	57.5	195.6	39,000										95
100	41.7	177.7	41,900 *	47.0	184.9	40,000	50.0	188.2	38,700	54.6	192.2	36,500										100
105	38.0	171.8	39,700	43.7	180.0	37,600	46.8	183.8	36,300	51.6	188.5	34,300	56.0	191.4	32,200							105
110	33.9	164.9	37,400	40.1	174.4	35,400	43.4	178.8	34,200	48.5	184.3	32,300	53.1	187.8	30,300							110
115	29.3	156.7	35,300	36.2	168.0	33,400	39.8	173.2	32,300	45.2	179.6	30,400	50.0	183.8	28,600							115
120	24.0	146.8	33,400	32.0	160.7	31,600	35.9	166.7	30,600	41.7	174.3	28,800	46.8	179.4	27,000	51.4	182.4	25,300				120
125	17.2	133.5	29,900 *	27.1	151.8	30,000	31.6	159.3	29,000	38.0	168.3	27,300	43.5	174.4	25,600	48.2	178.2	23,900				125
130	4.6	107.6	22,900 *	21.3	140.7	28,400	26.8	150.3	27,500	34.0	161.5	25,900	39.9	168.8	24,300	45.0	173.5	22,700				130
135				13.3	124.7	27,000	20.8	139.0	26,100	29.4	153.4	24,600	36.0	162.4	23,000	41.5	168.1	21,500	46.2	171.5	20,100	135
140							12.5	122.3	24,800	24.1	143.4	23,400	31.7	154.9	21,900	37.7	162.1	20,500	42.8	166.4	19,100	140
145										17.4	130.2	22,200	26.8	146.0	20,900	33.6	155.1	19,500	39.2	160.7	18,200	145
150										5.1	105.0	21,100	20.9	134.7	19,900	29.0	146.9	18,600	35.2	154.1	17,300	150
155													12.6	118.1	18,900	23.6	136.8	17,700	30.8	146.4	16,500	155
160																16.7	123.2	16,900	25.8	137.1	15,700	160
170																			10.3	106.4	14,200	170

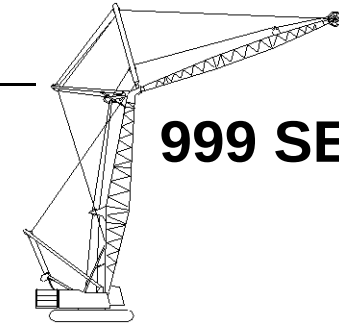
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

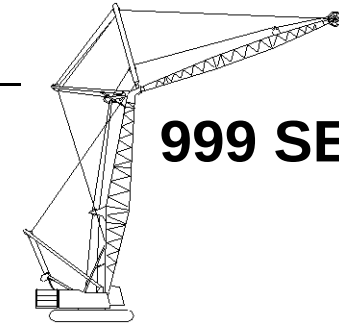
90 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	223.2	56,000 *b																			45
50	72.3	221.8	54,000 *																			50
55	69.9	220.0	51,800 *																			55
60	67.6	218.1	49,600 *																			60
65	65.2	215.9	47,600 *	68.9	218.4	51,100 *																65
70	62.7	213.5	45,700 *	66.5	216.4	49,100 *																70
75	60.2	210.7	43,800 *	64.1	214.1	47,200 *	66.3	215.4	48,900 *													75
80	57.6	207.7	42,100 *	61.6	211.5	45,300 *	63.9	213.1	47,000 *													80
85	55.0	204.4	40,400 *	59.1	208.6	43,500 *	61.4	210.5	45,200 *													85
90	52.2	200.7	38,800 *	56.5	205.5	41,800 *	58.9	207.6	43,500 *	62.7	210.0	41,500										90
95	49.4	196.6	37,300 *	53.8	202.0	40,200 *	56.3	204.4	41,100	60.2	207.3	38,700										95
100	46.4	192.1	35,900 *	51.0	198.2	38,600 *	53.6	200.9	38,500	57.7	204.3	36,200										100
105	43.3	187.1	34,600 *	48.1	193.9	37,100 *	50.8	197.1	36,100	55.0	200.9	34,000										105
110	40.0	181.5	33,300 *	45.1	189.2	35,200	47.9	192.8	34,000	52.3	197.3	32,000	56.3	200.0	30,100							110
115	36.4	175.1	32,200 *	41.9	183.9	33,300	44.9	188.0	32,100	49.4	193.2	30,200	53.6	196.5	28,300							115
120	32.5	167.8	31,100 *	38.5	178.0	31,500	41.6	182.7	30,400	46.5	188.7	28,600	50.8	192.7	26,800							120
125	28.2	159.3	30,100 *	34.8	171.2	29,800	38.2	176.7	28,800	43.3	183.7	27,000	47.9	188.4	25,300	52.1	191.2	23,700				125
130	23.1	148.9	29,200 *	30.7	163.5	28,300	34.5	169.9	27,300	40.0	178.0	25,700	44.9	183.6	24,000	49.2	187.1	22,500				130
135	16.6	135.0	26,700 *	26.0	154.2	26,900	30.4	162.0	26,000	36.5	171.7	24,400	41.7	178.3	22,800	46.2	182.6	21,300				135
140	4.4	108.0	20,500 *	20.5	142.6	25,600	25.7	152.7	24,700	32.6	164.4	23,200	38.2	172.3	21,700	43.1	177.5	20,200	47.4	180.5	18,800	140
145				12.7	125.8	24,400	20.0	140.8	23,500	28.2	155.9	22,100	34.5	165.6	20,700	39.8	171.8	19,300	44.3	175.7	17,900	145
150							12.0	123.4	22,400	23.1	145.5	21,100	30.4	157.7	19,700	36.2	165.4	18,300	41.0	170.2	17,000	150
155										16.7	131.7	20,100	25.7	148.3	18,800	32.3	158.1	17,500	37.6	164.1	16,200	155
160										4.9	105.4	19,100	20.1	136.5	17,900	27.9	149.4	16,700	33.8	157.2	15,500	160
170																16.1	124.7	15,200	24.8	139.3	14,100	170
180																			9.9	107.3	12,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

90 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.7	233.6	52,000 *																			45
50	73.6	232.2	49,900 *																			50
55	71.4	230.6	47,800 *																			55
60	69.2	228.9	45,800 *																			60
65	67.0	226.8	43,900 *	70.5	229.1	47,100 *																65
70	64.8	224.6	42,100 *	68.3	227.2	45,200 *																70
75	62.5	222.1	40,300 *	66.1	225.1	43,400 *																75
80	60.2	219.4	38,600 *	63.8	222.7	41,600 *	65.9	224.1	43,200 *													80
85	57.8	216.4	37,000 *	61.5	220.2	39,900 *	63.6	221.8	41,500 *													85
90	55.3	213.1	35,500 *	59.1	217.3	38,300 *	61.3	219.2	39,800 *													90
95	52.8	209.5	34,000 *	56.7	214.2	36,700 *	59.0	216.3	38,200 *	62.6	218.7	38,400										95
100	50.2	205.5	32,600 *	54.2	210.7	35,200 *	56.6	213.1	36,700 *	60.2	215.9	35,900										100
105	47.5	201.1	31,300 *	51.7	207.0	33,700 *	54.1	209.7	35,200 *	57.8	212.9	33,700										105
110	44.6	196.3	30,000 *	49.0	202.8	32,400 *	51.5	205.9	33,700	55.4	209.6	31,700										110
115	41.7	191.0	28,800 *	46.3	198.3	31,100 *	48.8	201.7	31,800	52.9	206.0	29,900	56.6	208.7	28,000							115
120	38.5	185.0	27,700 *	43.4	193.2	29,800 *	46.1	197.1	30,100	50.2	202.0	28,200	54.1	205.3	26,400							120
125	35.1	178.3	26,600 *	40.3	187.6	28,600 *	43.1	192.0	28,500	47.5	197.7	26,700	51.5	201.5	25,000							125
130	31.3	170.7	25,600 *	37.0	181.4	27,500 *	40.1	186.4	27,000	44.7	192.9	25,400	48.9	197.3	23,700	52.7	200.0	22,100				130
135	27.1	161.7	24,700 *	33.5	174.3	26,500 *	36.8	180.1	25,700	41.7	187.5	24,100	46.1	192.7	22,500	50.0	196.0	20,900				135
140	22.2	150.9	23,900 *	29.5	166.2	25,400	33.2	173.0	24,400	38.5	181.6	22,900	43.2	187.7	21,400	47.3	191.6	19,900				140
145	15.9	136.4	23,200 *	25.1	156.5	24,200	29.2	164.7	23,300	35.1	174.9	21,800	40.1	182.0	20,300	44.5	186.7	18,900				145
150	4.3	108.4	18,200 *	19.7	144.3	23,000	24.7	154.9	22,200	31.4	167.3	20,800	36.8	175.7	19,400	41.5	181.4	18,000	45.5	184.8	16,700	150
155				12.3	126.9	22,000	19.3	142.5	21,200	27.2	158.4	19,800	33.2	168.6	18,500	38.3	175.4	17,200	42.6	179.7	15,900	155
160							11.6	124.4	20,200	22.3	147.5	18,900	29.3	160.4	17,600	34.8	168.6	16,400	39.5	173.9	15,100	160
170										4.7	105.8	17,200	19.3	138.2	16,100	26.8	151.9	14,900	32.5	160.1	13,800	170
180																15.5	126.0	13,600	23.8	141.5	12,500	180
190																			9.6	108.2	11,400	190

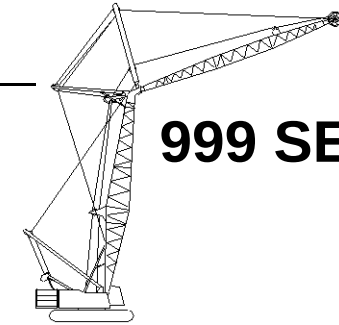
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

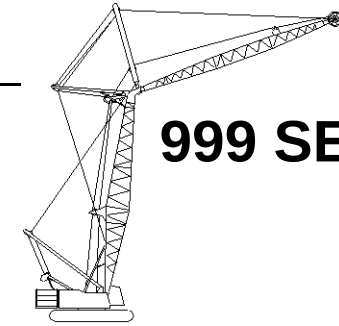
90 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	242.6	46,300 *																			50
55	72.7	241.1	44,300 *																			55
60	70.7	239.5	42,500 *																			60
65	68.6	237.6	40,700 *																			65
70	66.6	235.6	38,900 *	69.8	237.9	41,800 *																70
75	64.5	233.3	37,300 *	67.7	236.0	40,100 *																75
80	62.3	230.8	35,700 *	65.7	233.8	38,400 *	67.6	235.0	39,800 *													80
85	60.2	228.1	34,100 *	63.6	231.4	36,800 *	65.5	232.8	38,200 *													85
90	57.9	225.1	32,600 *	61.4	228.8	35,300 *	63.4	230.4	36,700 *													90
95	55.7	221.8	31,200 *	59.2	226.0	33,700 *	61.2	227.8	35,200 *													95
100	53.3	218.2	29,900 *	57.0	222.9	32,300 *	59.0	224.9	33,700 *	62.4	227.3	35,600 *										100
105	50.9	214.3	28,600 *	54.6	219.5	30,900 *	56.8	221.8	32,300 *	60.2	224.6	33,600										105
110	48.4	210.1	27,300 *	52.3	215.8	29,600 *	54.5	218.4	30,900 *	58.0	221.6	31,600										110
115	45.8	205.4	26,200 *	49.8	211.7	28,300 *	52.1	214.7	29,600 *	55.7	218.3	29,800										115
120	43.1	200.3	25,000 *	47.3	207.3	27,100 *	49.6	210.6	28,300 *	53.4	214.8	28,100	56.8	217.4	26,300							120
125	40.2	194.7	24,000 *	44.6	202.5	25,900 *	47.1	206.1	27,100 *	50.9	210.9	26,600	54.5	214.0	24,900							125
130	37.1	188.5	23,000 *	41.8	197.1	24,800 *	44.4	201.3	25,900 *	48.4	206.6	25,300	52.1	210.3	23,600							130
135	33.8	181.4	22,000 *	38.9	191.2	23,800 *	41.6	195.9	24,800 *	45.8	202.0	24,000	49.7	206.2	22,400							135
140	30.2	173.4	21,200 *	35.7	184.7	22,800 *	38.6	190.0	23,800 *	43.1	196.9	22,800	47.1	201.8	21,300	50.7	204.8	19,800				140
145	26.2	164.1	20,300 *	32.3	177.3	21,900 *	35.5	183.4	22,800 *	40.2	191.3	21,700	44.4	196.9	20,300	48.2	200.6	18,800				145
150	21.5	152.8	19,600 *	28.5	168.7	21,000 *	32.0	175.9	21,900 *	37.2	185.0	20,700	41.6	191.5	19,300	45.6	195.9	17,900				150
155	15.4	137.8	18,900 *	24.2	158.7	20,200 *	28.2	167.3	21,000 *	33.9	178.0	19,800	38.7	185.6	18,400	42.9	190.7	17,100	46.6	193.9	15,800	155
160	4.1	108.7	16,400 *	19.0	146.0	19,400 *	23.9	157.0	20,200	30.3	170.1	18,900	35.5	179.0	17,600	40.0	185.1	16,300	43.9	188.9	15,000	160
170							11.2	125.4	18,500	21.5	149.5	17,300	28.3	162.9	16,000	33.6	171.7	14,800	38.1	177.4	13,700	170
180										4.5	106.2	15,700	18.7	139.9	14,700	25.9	154.2	13,600	31.4	163.0	12,500	180
190																14.9	127.4	12,400	23.0	143.6	11,400	190
200																			9.2	109.0	10,400	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

90 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	253.0	42,600 *																			50
55	73.8	251.6	40,800 *																			55
60	71.9	250.1	39,000 *																			60
65	70.0	248.3	37,300 *																			65
70	68.1	246.4	35,700 *																			70
75	66.2	244.3	34,100 *	69.2	246.7	36,700 *																75
80	64.2	242.0	32,500 *	67.3	244.7	35,100 *																80
85	62.2	239.5	31,000 *	65.3	242.5	33,600 *	67.1	243.7	34,900 *													85
90	60.2	236.7	29,600 *	63.3	240.1	32,100 *	65.2	241.5	33,400 *													90
95	58.1	233.7	28,200 *	61.3	237.5	30,600 *	63.2	239.1	31,900 *													95
100	55.9	230.5	26,900 *	59.3	234.6	29,200 *	61.2	236.5	30,500 *													100
105	53.7	227.0	25,600 *	57.1	231.5	27,900 *	59.1	233.6	29,200 *	62.2	236.0	31,000 *										105
110	51.5	223.1	24,400 *	55.0	228.2	26,600 *	57.0	230.5	27,800 *	60.2	233.3	29,700 *										110
115	49.2	219.0	23,300 *	52.8	224.5	25,300 *	54.8	227.1	26,500 *	58.1	230.3	28,400 *										115
120	46.8	214.5	22,200 *	50.5	220.6	24,100 *	52.6	223.4	25,300 *	56.0	227.0	27,200 *										120
125	44.2	209.6	21,200 *	48.1	216.3	23,000 *	50.3	219.5	24,100 *	53.8	223.5	25,900 *	57.0	226.1	24,600							125
130	41.6	204.2	20,200 *	45.7	211.6	21,900 *	48.0	215.1	23,000 *	51.5	219.7	24,800 *	54.9	222.7	23,300							130
135	38.8	198.3	19,200 *	43.1	206.5	20,900 *	45.5	210.4	21,900 *	49.2	215.6	23,600 *	52.6	219.0	22,100							135
140	35.9	191.8	18,300 *	40.4	200.9	19,900 *	42.9	205.3	20,900 *	46.8	211.1	22,500	50.3	215.1	21,000							140
145	32.7	184.4	17,500 *	37.6	194.7	19,000 *	40.2	199.6	19,900 *	44.3	206.1	21,400	48.0	210.7	19,900	51.4	213.6	18,500				145
150	29.2	176.1	16,700 *	34.5	187.8	18,100 *	37.4	193.4	19,000 *	41.7	200.8	20,400	45.5	206.0	19,000	49.0	209.5	17,600				150
155	25.3	166.4	16,000 *	31.2	180.1	17,300 *	34.3	186.5	18,100 *	38.9	194.9	19,500	43.0	200.9	18,100	46.6	204.9	16,700				155
160	20.8	154.7	15,300 *	27.6	171.2	16,500 *	31.0	178.7	17,300 *	35.9	188.3	18,600	40.3	195.3	17,300	44.1	200.0	15,900	47.5	202.9	14,700	160
170	4.0	109.1	14,200 *	18.4	147.7	15,100 *	23.1	159.1	15,800 *	29.3	172.7	17,000	34.3	182.1	15,700	38.7	188.7	14,500	42.5	192.9	13,300	170
180							10.8	126.3	14,600 *	20.8	151.3	15,600	27.4	165.4	14,400	32.5	174.7	13,200	36.8	180.8	12,100	180
190										4.4	106.6	14,200	18.1	141.5	13,200	25.1	156.5	12,100	30.4	165.8	11,100	190
200																14.5	128.7	11,100	22.3	145.6	10,100	200
210																			9.0	109.8	9,200	210

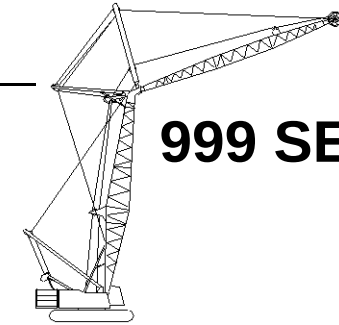
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

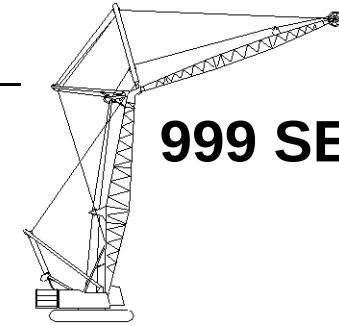
90 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	262.0	37,800 *																			55
60	73.0	260.5	36,100 *																			60
65	71.3	258.9	34,500 *																			65
70	69.5	257.1	32,900 *																			70
75	67.7	255.2	31,400 *	70.5	257.4	33,800 *																75
80	65.8	253.0	29,900 *	68.7	255.5	32,300 *																80
85	64.0	250.7	28,500 *	66.9	253.5	30,900 *																85
90	62.1	248.1	27,200 *	65.0	251.2	29,500 *	66.7	252.5	30,700 *													90
95	60.2	245.4	25,800 *	63.1	248.8	28,100 *	64.9	250.2	29,300 *													95
100	58.2	242.4	24,600 *	61.2	246.2	26,800 *	63.0	247.8	28,000 *													100
105	56.2	239.2	23,400 *	59.3	243.3	25,500 *	61.1	245.1	26,700 *													105
110	54.1	235.7	22,200 *	57.3	240.2	24,200 *	59.2	242.3	25,400 *	62.1	244.7	27,100 *										110
115	52.0	231.9	21,100 *	55.3	236.9	23,000 *	57.2	239.2	24,200 *	60.2	241.9	25,900 *										115
120	49.9	227.9	20,000 *	53.2	233.3	21,900 *	55.1	235.8	23,000 *	58.2	238.9	24,700 *										120
125	47.6	223.5	19,000 *	51.1	229.4	20,800 *	53.1	232.2	21,900 *	56.2	235.7	23,600 *										125
130	45.3	218.7	18,100 *	48.9	225.2	19,800 *	50.9	228.3	20,800 *	54.2	232.2	22,400 *	57.2	234.8	23,000							130
135	42.9	213.6	17,200 *	46.6	220.6	18,800 *	48.7	224.1	19,700 *	52.1	228.5	21,300 *	55.2	231.4	21,800							135
140	40.3	207.9	16,300 *	44.2	215.7	17,800 *	46.4	219.5	18,800 *	49.9	224.4	20,300 *	53.1	227.8	20,700							140
145	37.6	201.8	15,500 *	41.8	210.4	16,900 *	44.1	214.5	17,800 *	47.6	220.0	19,300 *	50.9	223.9	19,700							145
150	34.8	194.9	14,700 *	39.2	204.5	16,100 *	41.6	209.1	16,900 *	45.3	215.3	18,300 *	48.7	219.7	18,700	51.9	222.4	17,300				150
155	31.7	187.3	13,900 *	36.4	198.1	15,200 *	39.0	203.2	16,000 *	42.9	210.1	17,400 *	46.5	215.1	17,800	49.7	218.4	16,500				155
160	28.4	178.7	13,200 *	33.5	190.9	14,500 *	36.2	196.8	15,200 *	40.4	204.5	16,600 *	44.1	210.2	17,000	47.5	214.0	15,700				160
170	20.1	156.5	11,700 *	26.8	173.7	13,000 *	30.0	181.4	13,700 *	34.8	191.5	14,900 *	39.0	198.9	15,500	42.7	204.0	14,300	46.0	207.2	13,100	170
180	3.9	109.4	10,200 *	17.9	149.3	11,300 *	22.4	161.1	12,100 *	28.4	175.3	13,500 *	33.3	185.2	14,200	37.5	192.1	13,000	41.1	196.7	11,900	180
190							10.5	127.3	10,500 *	20.2	153.2	11,700 *	26.5	167.8	13,000	31.5	177.5	11,900	35.7	184.1	10,800	190
200										4.2	107.0	10,300 *	17.5	143.1	11,400 *	24.3	158.7	10,900	29.4	168.4	9,900	200
210																14.0	129.9	9,900	21.6	147.5	9,000	210
220																			8.7	110.6	8,200	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

100 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	60.7	169.0	96,900 *b																			45
50	55.9	165.9	94,100 *b	64.1	170.0	97,700 b																50
55	50.8	162.2	90,300 *	59.5	167.3	86,300 b	64.2	169.2	83,500 b													55
60	45.3	157.7	81,400	54.6	164.1	77,200 b	59.6	166.5	74,700 b													60
65	39.2	152.2	73,500	49.4	160.2	69,700	54.7	163.3	67,500 b	62.8	166.4	63,700 b										65
70	32.2	145.2	66,900	43.7	155.4	63,500	49.5	159.4	61,400	58.1	163.5	58,000 b										70
75	23.4	135.7	61,300	37.4	149.6	58,200	43.9	154.7	56,300	53.2	160.1	53,100 b										75
80	8.3	118.1	47,600 *	30.1	142.1	53,700	37.7	148.9	51,900	47.9	156.0	49,000	56.5	159.6	46,100 b							80
85				20.5	131.5	49,700	30.3	141.5	48,100	42.1	151.0	45,400	51.4	156.0	42,700							85
90							20.8	131.1	44,700	35.6	144.8	42,200	45.9	151.6	39,700							90
95										27.8	136.7	39,400	39.9	146.2	37,100	49.2	150.8	34,800				95
100										17.0	124.5	36,800	33.0	139.4	34,700	43.6	146.0	32,500				100
105													24.5	130.3	32,500	37.3	140.1	30,500	46.7	144.4	28,600	105
110													11.1	114.8	30,500	29.9	132.6	28,700	40.7	139.2	26,900	110
115																20.2	121.9	27,000	34.0	132.7	25,300	115
120																			25.7	124.0	23,900	120
125																			13.6	109.9	22,500	125

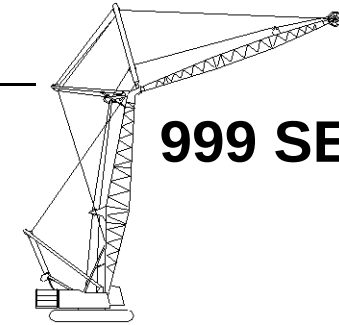
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

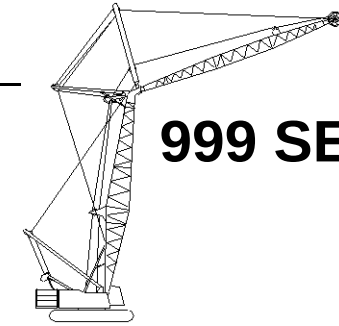
100 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	68.5	182.4	94,900 *b																			40
45	64.6	180.2	90,200 *b																			45
50	60.6	177.6	87,400 *b	67.5	181.0	96,200 *b																50
55	56.4	174.6	83,700 *	63.6	178.7	86,000 b	67.7	180.2	83,200 b													55
60	52.0	171.0	80,100 *	59.5	176.0	76,900 b	63.7	177.9	74,400 b													60
65	47.3	166.7	73,400	55.3	172.8	69,500	59.7	175.2	67,200 b													65
70	42.2	161.7	66,800	50.8	169.0	63,300	55.4	172.0	61,100	62.5	175.0	57,600 b										70
75	36.6	155.6	61,300	46.0	164.6	58,000	50.9	168.3	56,100	58.4	172.2	52,800										75
80	30.0	148.0	56,500	40.8	159.3	53,500	46.2	163.9	51,700	54.1	168.9	48,700										80
85	21.8	137.7	52,300	34.9	152.9	49,500	41.0	158.6	47,900	49.5	164.9	45,100	56.9	168.3	42,300							85
90	7.8	118.8	42,100 *	28.1	144.7	46,100	35.1	152.2	44,500	44.6	160.3	41,900	52.5	164.8	39,400							90
95				19.1	133.3	43,000	28.3	144.1	41,600	39.3	154.7	39,100	47.9	160.6	36,700							95
100							19.5	132.8	38,900	33.2	147.9	36,600	42.8	155.6	34,400	50.7	159.6	32,200				100
105										25.9	139.1	34,400	37.2	149.7	32,300	45.9	155.2	30,200				105
110										15.9	126.0	32,300	30.8	142.3	30,400	40.6	149.9	28,400				110
115													22.9	132.4	28,600	34.8	143.4	26,800	43.5	148.6	25,000	115
120													10.4	115.7	27,000	27.9	135.2	25,300	38.0	142.8	23,600	120
125																18.9	123.6	23,900	31.7	135.6	22,300	125
130																			24.1	126.2	21,100	130
135																			12.7	111.1	19,900	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

100 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	71.0	193.0	83,000 *b																			40
45	67.6	191.2	79,000 *b																			45
50	64.1	188.9	76,800 *b	70.1	191.7	84,100 *b																50
55	60.5	186.3	73,500 *	66.7	189.7	80,500 *b																55
60	56.8	183.3	70,400 *	63.2	187.4	76,700 b	66.8	188.9	74,100 b													60
65	52.9	179.7	67,600 *	59.6	184.7	69,300	63.3	186.6	66,900 b													65
70	48.8	175.7	65,000 *	55.8	181.5	63,100	59.7	183.9	60,900													70
75	44.4	170.9	61,200	51.9	177.8	57,900	55.9	180.7	55,900	62.2	183.7	52,600										75
80	39.7	165.4	56,400	47.7	173.6	53,300	52.0	177.1	51,500	58.6	180.9	48,400										80
85	34.4	158.8	52,300	43.2	168.7	49,400	47.8	172.9	47,700	54.7	177.6	44,900										85
90	28.3	150.6	48,600	38.4	162.9	46,000	43.4	168.0	44,400	50.7	173.8	41,700	57.3	177.0	39,100							90
95	20.6	139.6	45,400	32.9	155.9	42,900	38.5	162.2	41,400	46.5	169.4	39,000	53.4	173.5	36,500							95
100	7.3	119.4	37,100 *	26.4	147.1	40,200	33.1	155.3	38,800	41.9	164.2	36,500	49.3	169.5	34,200							100
105				18.0	134.9	37,700	26.7	146.6	36,500	36.9	158.2	34,300	45.0	164.9	32,100	51.8	168.4	30,000				105
110							18.4	134.5	34,300	31.2	150.8	32,300	40.3	159.4	30,200	47.6	164.2	28,200				110
115										24.4	141.3	30,400	35.0	152.9	28,500	43.1	159.3	26,600				115
120										15.0	127.3	28,700	29.0	145.0	26,900	38.2	153.4	25,100	45.5	157.8	23,300	120
125													21.6	134.4	25,500	32.7	146.4	23,800	40.9	152.4	22,100	125
130													9.8	116.6	24,100	26.3	137.6	22,500	35.7	146.1	20,900	130
135																17.8	125.2	21,300	29.9	138.4	19,800	135
140																			22.7	128.2	18,800	140
145																			11.9	112.2	17,800	145

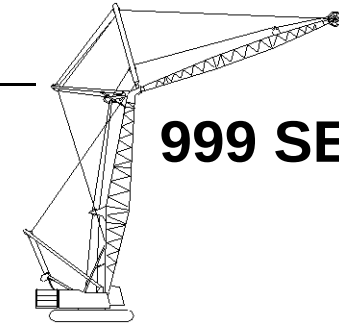
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

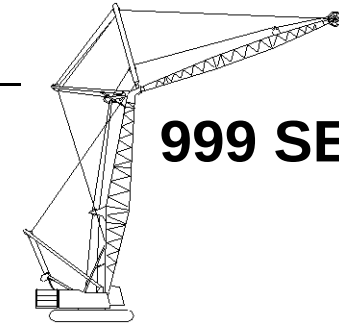
100 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.0	203.6	77,600 *b																			40
45	70.0	201.9	75,100 *b																			45
50	66.9	199.9	71,600 *																			50
55	63.7	197.6	68,400 *	69.2	200.5	74,900 *b																55
60	60.5	195.0	65,400 *	66.1	198.4	71,600 *																60
65	57.1	191.9	62,500 *	62.9	196.1	68,500 *	66.2	197.6	66,600													65
70	53.7	188.5	59,900 *	59.6	193.3	62,800	63.0	195.2	60,600													70
75	50.0	184.5	57,500 *	56.2	190.2	57,600	59.7	192.5	55,500													75
80	46.2	180.1	55,300 *	52.7	186.6	53,100	56.3	189.4	51,200	62.0	192.4	48,100										80
85	42.0	174.9	52,100	49.0	182.5	49,200	52.8	185.8	47,400	58.7	189.5	44,500										85
90	37.6	168.9	48,500	45.1	177.9	45,700	49.1	181.8	44,100	55.3	186.3	41,400										90
95	32.6	161.8	45,300	40.9	172.5	42,700	45.2	177.2	41,200	51.7	182.6	38,600	57.5	185.6	36,100							95
100	26.8	153.0	42,400	36.3	166.3	40,000	41.0	171.8	38,600	48.0	178.4	36,200	54.1	182.2	33,800							100
105	19.5	141.3	39,800	31.2	158.8	37,600	36.5	165.6	36,200	44.0	173.5	34,000	50.4	178.4	31,700							105
110	7.0	120.1	33,000 *	25.1	149.4	35,400	31.3	158.2	34,100	39.7	168.0	32,000	46.6	174.0	29,900	52.6	177.2	27,800				110
115				17.1	136.5	33,400	25.3	148.9	32,200	35.0	161.4	30,200	42.5	168.9	28,200	48.9	173.1	26,200				115
120							17.4	136.1	30,400	29.6	153.5	28,500	38.1	163.0	26,600	45.0	168.5	24,800				120
125										23.2	143.4	27,000	33.2	156.0	25,200	40.8	163.1	23,400	47.1	166.8	21,700	125
130										14.2	128.6	25,500	27.5	147.5	23,900	36.2	156.8	22,200	43.1	161.8	20,600	130
135													20.5	136.2	22,600	31.0	149.3	21,100	38.7	156.1	19,500	135
140													9.3	117.4	21,500	24.9	139.9	20,000	33.8	149.2	18,500	140
145																16.9	126.8	19,000	28.3	140.9	17,600	145
150																			21.5	130.2	16,700	150
155																			11.3	113.2	15,800	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

100 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.6	214.0	72,700 *b																			40
45	71.9	212.5	71,000 *b																			45
50	69.1	210.7	68,200 *																			50
55	66.3	208.6	65,500 *																			55
60	63.4	206.3	62,900 *	68.4	209.3	68,200 *																60
65	60.4	203.6	60,300 *	65.5	207.2	65,600 *																65
70	57.4	200.6	57,800 *	62.6	204.7	62,800	65.6	206.3	60,500													70
75	54.3	197.2	55,500 *	59.7	202.0	57,500	62.7	203.9	55,500													75
80	51.0	193.4	53,400 *	56.6	198.9	53,000	59.7	201.2	51,100													80
85	47.5	189.1	51,400 *	53.4	195.4	49,100	56.7	198.1	47,400	61.8	201.0	44,500										85
90	43.9	184.2	48,500	50.1	191.4	45,700	53.5	194.6	44,100	58.8	198.2	41,300										90
95	40.0	178.6	45,300	46.6	187.0	42,700	50.2	190.7	41,100	55.7	195.0	38,600										95
100	35.8	172.2	42,400	42.9	181.9	40,000	46.7	186.2	38,500	52.5	191.4	36,100	57.8	194.3	33,800							100
105	31.0	164.6	39,900	38.9	176.2	37,600	43.0	181.2	36,200	49.2	187.3	33,900	54.6	191.0	31,700							105
110	25.5	155.3	37,600	34.6	169.5	35,400	39.1	175.5	34,100	45.6	182.7	32,000	51.4	187.2	29,800							110
115	18.6	143.0	35,500	29.7	161.5	33,400	34.7	168.8	32,200	41.8	177.5	30,200	47.9	182.9	28,100							115
120	6.6	120.7	27,400 *	23.9	151.6	31,600	29.8	160.9	30,500	37.8	171.5	28,500	44.3	178.1	26,600	50.0	182.0	24,700				120
125				16.3	137.9	30,000	24.1	151.1	28,900	33.3	164.5	27,000	40.5	172.7	25,200	46.5	177.6	23,400				125
130							16.6	137.6	27,400	28.2	156.1	25,600	36.3	166.3	23,900	42.8	172.5	22,200				130
135										22.1	145.4	24,300	31.6	158.9	22,700	38.8	166.7	21,100	44.8	171.1	19,500	135
140										13.5	129.8	23,100	26.2	149.9	21,600	34.5	160.0	20,000	41.0	165.7	18,500	140
145													19.5	138.0	20,500	29.5	152.0	19,000	36.8	159.5	17,600	145
150													8.9	118.2	19,500	23.7	142.0	18,100	32.2	152.2	16,700	150
155																16.1	128.2	17,300	27.0	143.4	15,900	155
160																			20.5	132.0	15,200	160

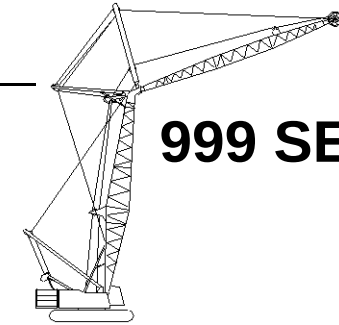
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

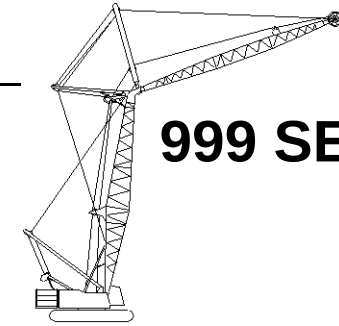
100 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.9	224.3	68,600 *b																			40
45	73.4	222.9	65,800 *b																			45
50	70.9	221.3	63,100 *																			50
55	68.4	219.5	60,500 *																			55
60	65.8	217.4	58,100 *	70.2	220.0	62,800 *																60
65	63.1	215.0	55,800 *	67.7	218.1	60,400 *																65
70	60.4	212.3	53,500 *	65.1	215.9	58,100 *	67.8	217.2	60,200													70
75	57.6	209.3	51,400 *	62.4	213.4	55,900 *	65.2	215.1	55,200													75
80	54.7	205.9	49,300 *	59.7	210.6	52,700	62.5	212.6	50,800													80
85	51.8	202.2	47,300 *	56.9	207.5	48,800	59.8	209.8	47,000													85
90	48.7	198.0	45,400 *	54.0	204.1	45,400	57.0	206.8	43,800	61.7	209.7	41,000										90
95	45.4	193.4	43,700 *	51.0	200.3	42,400	54.1	203.3	40,800	58.9	206.9	38,200										95
100	41.9	188.1	42,100 *	47.8	196.0	39,700	51.1	199.5	38,200	56.1	203.7	35,800										100
105	38.2	182.2	39,700	44.5	191.2	37,300	47.9	195.2	35,900	53.2	200.1	33,600	57.9	203.0	31,300							105
110	34.2	175.4	37,400	41.0	185.8	35,200	44.6	190.4	33,800	50.1	196.2	31,600	55.1	199.7	29,500							110
115	29.7	167.3	35,300	37.2	179.6	33,200	41.1	185.1	31,900	46.9	191.7	29,800	52.1	196.0	27,800							115
120	24.4	157.5	33,400	33.1	172.5	31,400	37.3	178.9	30,200	43.6	186.8	28,200	49.0	191.9	26,300							120
125	17.8	144.6	31,400 *	28.4	164.1	29,800	33.2	171.9	28,600	40.0	181.2	26,700	45.8	187.3	24,900	50.9	190.9	23,000				125
130	6.4	121.2	24,400 *	22.9	153.7	28,200	28.5	163.5	27,200	36.1	174.8	25,400	42.4	182.1	23,600	47.7	186.6	21,800				130
135				15.6	139.3	26,800	23.1	153.1	25,800	31.8	167.4	24,100	38.7	176.3	22,400	44.4	181.7	20,700				135
140							15.9	139.0	24,500	27.0	158.5	22,900	34.7	169.5	21,300	40.9	176.3	19,700	46.2	180.2	18,100	140
145										21.1	147.3	21,800	30.2	161.7	20,200	37.1	170.1	18,700	42.8	175.1	17,200	145
150										13.0	131.0	20,800	25.1	152.1	19,300	32.9	163.0	17,800	39.2	169.3	16,400	150
155													18.7	139.7	18,400	28.3	154.6	17,000	35.2	162.7	15,600	155
160													8.5	119.0	17,500	22.7	144.1	16,200	30.8	155.0	14,900	160
170																			19.6	133.8	13,500	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

100 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	233.3	55,400 *b																			45
50	72.4	231.9	53,800 *																			50
55	70.1	230.2	51,700 *																			55
60	67.7	228.2	49,600 *																			60
65	65.3	226.1	47,600 *	69.5	228.8	51,400 *																65
70	62.9	223.6	45,700 *	67.1	226.8	49,400 *																70
75	60.4	220.9	43,900 *	64.7	224.6	47,500 *	67.2	226.0	49,300 *													75
80	57.8	217.9	42,100 *	62.2	222.1	45,600 *	64.8	223.8	47,500 *													80
85	55.2	214.6	40,500 *	59.7	219.3	43,900 *	62.3	221.3	45,700 *													85
90	52.4	211.0	38,900 *	57.1	216.2	42,200 *	59.8	218.5	43,500													90
95	49.6	206.9	37,400 *	54.5	212.8	40,500 *	57.2	215.4	40,600	61.5	218.4	38,000										95
100	46.6	202.4	36,000 *	51.7	209.1	39,000 *	54.5	212.0	38,000	59.0	215.5	35,500										100
105	43.5	197.5	34,700 *	48.8	204.9	37,100	51.8	208.3	35,700	56.4	212.4	33,400										105
110	40.2	191.9	33,400 *	45.8	200.3	35,000	48.9	204.2	33,600	53.7	208.9	31,400										110
115	36.7	185.6	32,300 *	42.7	195.2	33,000	45.9	199.6	31,700	50.9	205.0	29,600	55.5	208.4	27,500							115
120	32.8	178.4	31,200 *	39.3	189.4	31,200	42.8	194.4	30,000	48.0	200.7	28,000	52.8	204.8	26,000							120
125	28.5	169.9	30,200 *	35.7	182.9	29,600	39.4	188.7	28,400	45.0	196.0	26,500	49.9	200.8	24,600							125
130	23.5	159.7	29,300 *	31.7	175.4	28,100	35.8	182.2	27,000	41.8	190.7	25,100	47.0	196.3	23,300	51.6	199.7	21,600				130
135	17.1	146.1	28,100 *	27.2	166.6	26,700	31.9	174.8	25,600	38.4	184.7	23,900	43.9	191.4	22,100	48.8	195.5	20,500				135
140	6.1	121.8	21,900 *	21.9	155.6	25,400	27.4	166.0	24,400	34.6	178.0	22,700	40.6	185.9	21,100	45.8	190.9	19,400				140
145				15.0	140.7	24,200	22.1	155.1	23,200	30.6	170.2	21,600	37.1	179.7	20,000	42.6	185.7	18,500	47.4	189.2	17,000	145
150							15.3	140.4	22,100	25.9	160.9	20,600	33.3	172.6	19,100	39.2	180.0	17,600	44.3	184.3	16,100	150
155										20.3	149.1	19,700	29.0	164.3	18,200	35.6	173.4	16,800	41.0	178.9	15,400	155
160										12.4	132.1	18,700	24.1	154.3	17,400	31.6	165.9	16,000	37.6	172.8	14,600	160
170													8.2	119.7	15,800	21.8	146.0	14,600	29.6	157.7	13,300	170
180																			18.8	135.5	12,100	180

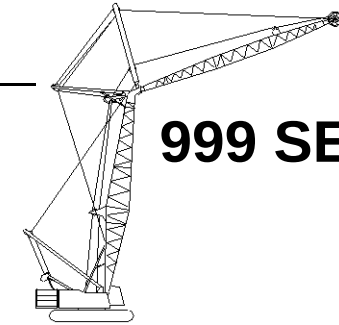
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

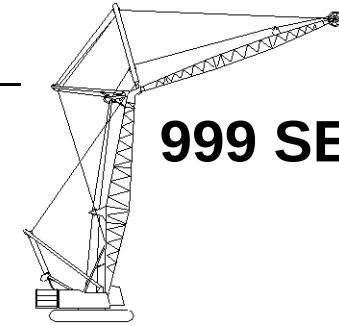
100 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	243.7	51,600 *b																			45
50	73.7	242.3	49,800 *																			50
55	71.6	240.7	47,700 *																			55
60	69.4	239.0	45,800 *																			60
65	67.2	237.0	43,900 *	71.0	239.4	47,400 *																65
70	65.0	234.8	42,100 *	68.8	237.6	45,500 *																70
75	62.7	232.3	40,300 *	66.6	235.5	43,700 *																75
80	60.3	229.6	38,700 *	64.4	233.3	42,000 *	66.7	234.7	43,600 *													80
85	58.0	226.6	37,100 *	62.1	230.7	40,300 *	64.4	232.5	42,000 *													85
90	55.5	223.3	35,500 *	59.7	228.0	38,600 *	62.1	229.9	40,300 *													90
95	53.0	219.7	34,100 *	57.3	224.9	37,100 *	59.8	227.2	38,700 *													95
100	50.4	215.8	32,700 *	54.9	221.5	35,500 *	57.4	224.1	37,200 *	61.4	227.0	35,200										100
105	47.7	211.4	31,400 *	52.3	217.8	34,100 *	54.9	220.8	35,400	59.1	224.2	33,000										105
110	44.8	206.7	30,100 *	49.7	213.8	32,700 *	52.4	217.1	33,300	56.7	221.0	31,100										110
115	41.9	201.4	28,900 *	46.9	209.3	31,400 *	49.8	213.0	31,400	54.2	217.6	29,300										115
120	38.7	195.5	27,800 *	44.1	204.4	30,100 *	47.0	208.6	29,700	51.6	213.8	27,700	55.8	217.1	25,600							120
125	35.3	188.8	26,700 *	41.0	199.0	29,000 *	44.2	203.7	28,100	48.9	209.7	26,200	53.3	213.5	24,200							125
130	31.6	181.3	25,700 *	37.8	192.9	27,800	41.1	198.3	26,700	46.2	205.1	24,800	50.7	209.6	23,000							130
135	27.4	172.4	24,800 *	34.4	186.1	26,500	37.9	192.2	25,400	43.3	200.0	23,600	48.0	205.3	21,800	52.3	208.5	20,100				135
140	22.6	161.7	24,000 *	30.5	178.2	25,200	34.5	185.4	24,100	40.2	194.4	22,400	45.2	200.6	20,700	49.6	204.4	19,100				140
145	16.5	147.6	23,300 *	26.2	168.9	24,000	30.7	177.6	23,000	36.9	188.2	21,300	42.2	195.3	19,700	46.9	199.9	18,100				145
150	5.9	122.3	19,500 *	21.1	157.5	22,900	26.4	168.4	21,900	33.4	181.0	20,300	39.1	189.5	18,800	44.0	195.0	17,200				150
155				14.4	142.0	21,800	21.3	157.1	20,900	29.4	172.9	19,400	35.7	183.0	17,900	41.0	189.6	16,400	45.5	193.5	15,000	155
160							14.7	141.7	20,000	24.9	163.1	18,500	32.0	175.5	17,100	37.7	183.5	15,600	42.6	188.3	14,300	160
170										12.0	133.2	16,900	23.2	156.4	15,600	30.4	168.7	14,200	36.1	176.1	13,000	170
180													7.9	120.4	14,200	21.0	147.9	13,000	28.5	160.3	11,800	180
190																			18.1	137.1	10,700	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

100 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	252.7	46,100 *																			50
55	72.8	251.3	44,200 *																			55
60	70.8	249.6	42,400 *																			60
65	68.8	247.8	40,700 *																			65
70	66.7	245.7	38,900 *	70.3	248.3	42,100 *																70
75	64.6	243.5	37,300 *	68.3	246.4	40,400 *																75
80	62.5	241.0	35,700 *	66.2	244.3	38,700 *																80
85	60.3	238.3	34,200 *	64.1	242.0	37,100 *	66.2	243.5	38,700 *													85
90	58.1	235.3	32,700 *	61.9	239.4	35,600 *	64.1	241.1	37,100 *													90
95	55.8	232.0	31,300 *	59.7	236.6	34,100 *	62.0	238.6	35,600 *													95
100	53.5	228.5	29,900 *	57.5	233.6	32,600 *	59.8	235.8	34,200 *													100
105	51.1	224.6	28,600 *	55.2	230.2	31,200 *	57.6	232.8	32,700 *	61.3	235.7	32,900										105
110	48.6	220.4	27,400 *	52.9	226.6	29,900 *	55.3	229.5	31,400 *	59.1	232.8	30,900										110
115	46.0	215.8	26,200 *	50.4	222.7	28,600 *	52.9	225.8	30,000 *	56.9	229.7	29,200										115
120	43.2	210.7	25,100 *	47.9	218.3	27,400 *	50.5	221.9	28,700 *	54.6	226.3	27,600										120
125	40.4	205.1	24,100 *	45.3	213.6	26,200 *	48.0	217.6	27,500 *	52.2	222.6	26,100	56.1	225.8	24,100							125
130	37.3	198.9	23,100 *	42.5	208.4	25,100 *	45.3	212.9	26,400 *	49.7	218.5	24,700	53.8	222.2	22,900							130
135	34.1	191.9	22,100 *	39.6	202.7	24,100 *	42.6	207.7	25,200 *	47.2	214.1	23,500	51.4	218.4	21,700							135
140	30.5	184.0	21,200 *	36.5	196.3	23,100 *	39.7	202.0	24,100	44.5	209.3	22,300	48.9	214.2	20,600	52.8	217.2	19,000				140
145	26.5	174.8	20,400 *	33.2	189.1	22,100 *	36.6	195.6	22,900	41.7	203.9	21,300	46.3	209.7	19,600	50.4	213.3	18,000				145
150	21.8	163.7	19,700 *	29.5	180.9	21,200 *	33.3	188.4	21,900	38.8	198.0	20,300	43.6	204.7	18,700	47.8	208.9	17,100				150
155	15.9	149.0	19,000 *	25.3	171.2	20,400 *	29.6	180.3	20,900	35.6	191.4	19,300	40.7	199.1	17,800	45.2	204.2	16,300				155
160	5.7	122.8	17,500 *	20.4	159.4	19,700 *	25.5	170.7	19,900	32.2	184.0	18,500	37.7	193.0	17,000	42.4	199.0	15,600	46.6	202.5	14,200	160
170							14.2	142.9	18,200	24.1	165.3	16,900	30.9	178.3	15,500	36.4	186.8	14,200	41.1	192.1	12,900	170
180										11.6	134.2	15,400	22.4	158.4	14,200	29.4	171.4	12,900	34.9	179.3	11,700	180
190													7.6	121.1	12,900	20.3	149.7	11,800	27.5	162.8	10,700	190
200																			17.5	138.7	9,700	200

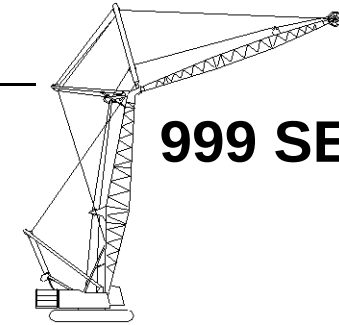
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

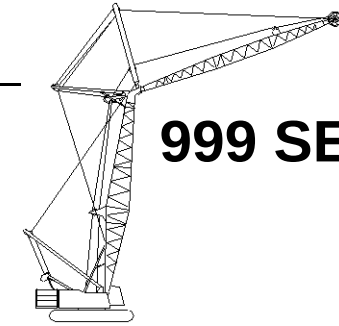
100 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.8	263.0	42,500 *																			50
55	73.9	261.7	40,700 *																			55
60	72.1	260.2	39,000 *																			60
65	70.2	258.4	37,300 *																			65
70	68.3	256.6	35,700 *																			70
75	66.3	254.5	34,100 *	69.7	257.1	37,000 *																75
80	64.3	252.2	32,600 *	67.8	255.1	35,400 *																80
85	62.3	249.7	31,100 *	65.8	253.0	33,900 *	67.8	254.3	35,300 *													85
90	60.3	246.9	29,700 *	63.8	250.6	32,400 *	65.9	252.2	33,800 *													90
95	58.2	243.9	28,300 *	61.8	248.1	30,900 *	63.9	249.8	32,400 *													95
100	56.1	240.7	27,000 *	59.8	245.3	29,500 *	61.9	247.3	31,000 *													100
105	53.9	237.2	25,700 *	57.7	242.2	28,200 *	59.8	244.5	29,600 *													105
110	51.7	233.4	24,500 *	55.5	238.9	26,900 *	57.7	241.4	28,300 *	61.3	244.4	30,300 *										110
115	49.3	229.3	23,400 *	53.3	235.4	25,600 *	55.6	238.2	27,000 *	59.2	241.5	28,800 *										115
120	46.9	224.8	22,300 *	51.1	231.5	24,400 *	53.4	234.6	25,800 *	57.1	238.4	27,200 *										120
125	44.4	219.9	21,200 *	48.7	227.3	23,300 *	51.1	230.7	24,600 *	54.9	235.0	25,800 *										125
130	41.8	214.6	20,200 *	46.3	222.7	22,200 *	48.8	226.5	23,400 *	52.7	231.4	24,400 *	56.3	234.4	22,500 *							130
135	39.0	208.7	19,300 *	43.7	217.7	21,200 *	46.4	222.0	22,300 *	50.4	227.4	23,200 *	54.2	231.0	21,400 *							135
140	36.1	202.2	18,400 *	41.1	212.2	20,200 *	43.8	217.0	21,300 *	48.1	223.1	22,000 *	51.9	227.2	20,300 *							140
145	33.0	195.0	17,600 *	38.3	206.2	19,200 *	41.2	211.5	20,300 *	45.6	218.4	20,900 *	49.6	223.1	19,300 *							145
150	29.5	186.7	16,800 *	35.3	199.5	18,400 *	38.4	205.5	19,400 *	43.0	213.3	20,000 *	47.2	218.7	18,300 *	51.0	222.1	16,800 *				150
155	25.6	177.1	16,000 *	32.1	192.0	17,500 *	35.4	198.8	18,500 *	40.3	207.7	19,000 *	44.7	213.9	17,500 *	48.7	217.9	16,000 *				155
160	21.1	165.6	15,300 *	28.5	183.5	16,700 *	32.2	191.4	17,600 *	37.5	201.5	18,200 *	42.1	208.6	16,700 *	46.2	213.3	15,200 *				160
170	5.5	123.3	14,300 *	19.8	161.1	15,300 *	24.7	172.9	16,100 *	31.1	186.8	16,600 *	36.5	196.4	15,200 *	41.0	202.8	13,800 *	45.0	206.8	12,500 *	170
180							13.7	144.2	14,800 *	23.3	167.4	15,200 *	29.9	181.1	13,900 *	35.2	190.0	12,600 *	39.7	195.8	11,400 *	180
190										11.2	135.2	13,900 *	21.7	160.4	12,700 *	28.4	173.9	11,500 *	33.7	182.4	10,300 *	190
200													7.4	121.8	11,600 *	19.6	151.5	10,500 *	26.6	165.2	9,400 *	200
210																			16.9	140.2	8,600 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

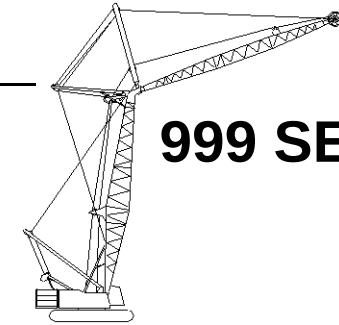
100 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.9	272.1	37,600 *																			55
60	73.2	270.6	36,100 *																			60
65	71.4	269.0	34,500 *																			65
70	69.6	267.3	32,900 *																			70
75	67.8	265.3	31,400 *	70.9	267.7	34,000 *																75
80	66.0	263.2	30,000 *	69.1	265.9	32,600 *																80
85	64.1	260.9	28,600 *	67.3	263.9	31,200 *																85
90	62.2	258.3	27,200 *	65.5	261.7	29,800 *	67.4	263.1	31,100 *													90
95	60.3	255.6	25,900 *	63.6	259.3	28,400 *	65.5	260.9	29,700 *													95
100	58.3	252.6	24,700 *	61.7	256.7	27,000 *	63.7	258.5	28,400 *													100
105	56.3	249.4	23,400 *	59.8	253.9	25,800 *	61.8	255.9	27,100 *													105
110	54.3	245.9	22,300 *	57.8	250.9	24,500 *	59.8	253.1	25,800 *													110
115	52.2	242.2	21,200 *	55.8	247.6	23,300 *	57.9	250.1	24,600 *	61.2	253.0	26,500 *										115
120	50.0	238.2	20,100 *	53.7	244.1	22,200 *	55.9	246.9	23,400 *	59.2	250.2	25,300 *										120
125	47.8	233.8	19,100 *	51.6	240.3	21,100 *	53.8	243.3	22,300 *	57.3	247.1	24,200 *										125
130	45.4	229.1	18,200 *	49.4	236.2	20,000 *	51.7	239.5	21,200 *	55.2	243.7	23,000 *										130
135	43.0	223.9	17,200 *	47.2	231.7	19,000 *	49.5	235.4	20,100 *	53.2	240.1	21,900 *	56.6	243.1	21,100							135
140	40.5	218.3	16,400 *	44.8	226.9	18,100 *	47.2	231.0	19,100 *	51.0	236.2	20,900 *	54.5	239.7	20,000							140
145	37.8	212.2	15,500 *	42.4	221.6	17,200 *	44.9	226.2	18,200 *	48.8	232.0	19,800 *	52.4	236.0	19,000							145
150	35.0	205.4	14,700 *	39.8	215.9	16,300 *	42.5	220.9	17,200 *	46.5	227.5	18,900 *	50.3	232.0	18,100							150
155	31.9	197.9	14,000 *	37.1	209.6	15,500 *	39.9	215.2	16,400 *	44.2	222.5	17,900 *	48.0	227.7	17,200	51.6	230.9	15,700				155
160	28.6	189.3	13,300 *	34.2	202.6	14,700 *	37.2	208.9	15,500 *	41.7	217.2	17,000 *	45.7	223.0	16,400	49.4	226.8	14,900				160
170	20.5	167.4	11,700 *	27.7	186.0	13,200 *	31.2	194.2	14,000 *	36.3	204.8	15,400 *	40.8	212.4	15,000	44.8	217.5	13,600				170
180	5.3	123.8	10,200 *	19.2	162.9	11,600 *	23.9	175.0	12,400 *	30.2	189.6	13,900 *	35.3	199.6	13,600	39.8	206.5	12,400	43.6	210.8	11,100	180
190							13.3	145.4	10,800 *	22.6	169.4	12,200 *	29.0	183.7	12,500	34.1	193.2	11,300	38.5	199.4	10,100	190
200										10.9	136.2	10,600 *	21.0	162.3	11,400	27.6	176.4	10,300	32.7	185.4	9,200	200
210													7.1	122.4	10,400	19.0	153.2	9,400	25.8	167.5	8,300	210
220																			16.4	141.7	7,600	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

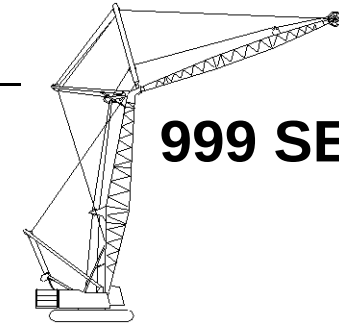
110 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	61.0	179.2	97,700 *b																			45
50	56.2	176.1	94,100 *b																			50
55	51.1	172.4	90,300 *b	60.6	178.0	85,900 b																55
60	45.7	168.0	81,500	55.8	174.9	76,800 b	61.2	177.4	74,000 b													60
65	39.6	162.6	73,700	50.7	171.1	69,400 b	56.5	174.3	66,800 b													65
70	32.7	155.7	67,100	45.2	166.6	63,200	51.4	170.7	60,800 b	60.6	174.7	56,900 b										70
75	24.1	146.5	61,400	39.1	161.1	57,900	45.9	166.3	55,800	55.8	171.6	52,200 b										75
80	10.1	130.2	49,700 *	32.0	154.1	53,400	39.9	160.9	51,400	50.7	167.9	48,100										80
85				23.2	144.5	49,400	33.0	154.2	47,600	45.2	163.4	44,600	54.9	167.9	41,500 b							85
90				7.7	126.4	45,800	24.5	145.1	44,300	39.1	157.8	41,400	49.7	164.1	38,600							90
95							11.1	129.5	41,200	32.0	150.8	38,700	44.1	159.4	36,000							95
100										23.2	141.3	36,200	37.9	153.6	33,700	48.4	159.2	31,300				100
105										7.8	123.2	33,900	30.6	146.3	31,700	42.7	154.3	29,400				105
110													21.2	136.0	29,800	36.2	148.2	27,600	46.7	153.1	25,500	110
115																28.6	140.3	26,000	40.7	147.9	24,000	115
120																18.3	128.8	24,500	34.0	141.3	22,700	120
125																			25.7	132.6	21,400	125
130																			13.6	118.6	20,200	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

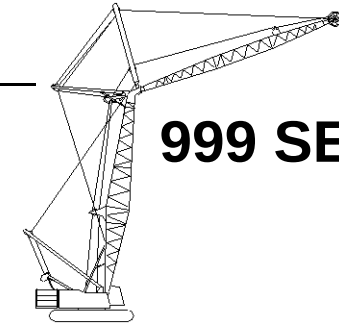
110 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.9	190.4	87,600 *b																			45
50	60.9	187.8	84,100 *b																			50
55	56.7	184.8	80,400 *	64.6	189.2	85,600 b																55
60	52.3	181.2	77,100 *	60.5	186.6	76,500 b	65.1	188.6	73,600 b													60
65	47.6	177.0	73,500	56.3	183.5	69,100	61.1	186.0	66,500 b													65
70	42.6	172.0	66,900	51.9	179.9	62,900	56.9	183.0	60,500													70
75	37.0	166.0	61,400	47.2	175.7	57,700	52.5	179.5	55,500	60.5	183.4	51,800 b										75
80	30.5	158.6	56,600	42.1	170.6	53,200	47.9	175.3	51,200	56.3	180.3	47,800										80
85	22.5	148.5	52,400	36.4	164.5	49,300	42.8	170.4	47,400	51.9	176.7	44,200										85
90	9.5	131.1	43,300 *	29.9	156.8	45,800	37.2	164.4	44,100	47.2	172.4	41,100	55.5	176.6	38,200							90
95				21.6	146.5	42,800	30.8	157.0	41,100	42.1	167.4	38,400	51.1	172.9	35,700							95
100				7.2	127.1	39,900	22.9	147.2	38,500	36.4	161.3	36,000	46.3	168.5	33,400							100
105							10.4	130.5	36,100	29.9	153.6	33,800	41.1	163.3	31,400	50.0	168.1	29,000				105
110										21.6	143.3	31,700	35.3	156.9	29,500	45.1	163.5	27,300				110
115										7.3	123.9	29,800	28.6	148.9	27,800	39.8	158.0	25,700				115
120													19.8	137.8	26,200	33.8	151.3	24,300	43.5	157.3	22,300	120
125																26.7	142.8	22,900	38.0	151.4	21,100	125
130																17.1	130.3	21,700	31.7	144.3	20,000	130
135																			24.1	134.8	18,900	135
140																			12.7	119.8	17,900	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.9	201.3	80,300 *b																			45
50	64.4	199.1	76,700 *b																			50
55	60.8	196.5	73,400 *	67.6	200.2	81,000 *b																55
60	57.1	193.5	70,400 *	64.1	197.9	76,300 b	68.0	199.5	73,400 b													60
65	53.2	190.0	67,600 *	60.5	195.3	68,900	64.5	197.3	66,300 b													65
70	49.1	186.0	65,100 *	56.7	192.2	62,800	61.0	194.7	60,300													70
75	44.8	181.3	61,300	52.8	188.7	57,500	57.3	191.7	55,300													75
80	40.0	175.8	56,500	48.7	184.6	53,000	53.4	188.2	51,000	60.5	192.0	47,500										80
85	34.8	169.3	52,400	44.3	179.9	49,100	49.3	184.2	47,200	56.7	189.0	44,000										85
90	28.7	161.2	48,700	39.6	174.3	45,700	45.0	179.6	43,900	52.8	185.5	40,900										90
95	21.2	150.5	45,500	34.3	167.7	42,700	40.3	174.2	41,000	48.7	181.4	38,200	56.0	185.3	35,400							95
100	8.9	131.9	38,600 *	28.1	159.4	40,000	35.0	167.7	38,400	44.4	176.7	35,800	52.1	181.7	33,200							100
105				20.4	148.3	37,500	29.0	159.7	36,100	39.6	171.1	33,600	48.0	177.5	31,100							105
110				6.8	127.7	35,300	21.6	149.1	34,000	34.3	164.4	31,600	43.5	172.6	29,300	51.1	176.9	27,000				110
115							9.8	131.3	32,000	28.1	156.2	29,800	38.7	166.9	27,600	46.9	172.5	25,500				115
120										20.4	145.1	28,200	33.3	160.0	26,100	42.4	167.5	24,100				120
125										6.9	124.5	26,600	26.9	151.4	24,700	37.4	161.5	22,800	45.5	166.4	20,900	125
130													18.7	139.5	23,400	31.8	154.3	21,600	40.9	161.1	19,800	130
135																25.1	145.1	20,500	35.7	154.8	18,700	135
140																16.1	131.8	19,400	29.9	147.0	17,800	140
145																			22.7	136.9	16,900	145
150																			11.9	120.8	16,000	150

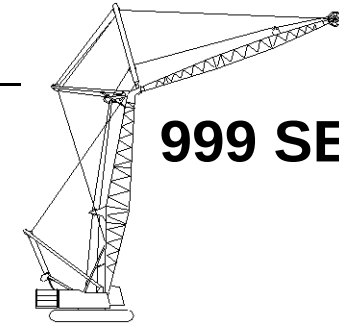
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.2	212.0	75,000 *b																			45
50	67.1	210.0	71,600 *b																			50
55	64.0	207.8	68,400 *	69.9	210.9	75,400 *b																55
60	60.7	205.1	65,400 *	66.8	208.9	72,200 *b																60
65	57.4	202.1	62,600 *	63.7	206.6	68,600	67.2	208.2	65,900 b													65
70	53.9	198.7	60,000 *	60.4	203.9	62,500	64.1	206.0	60,000													70
75	50.3	194.8	57,600 *	57.1	200.9	57,200	60.9	203.4	55,000													75
80	46.4	190.4	55,400 *	53.6	197.5	52,800	57.5	200.4	50,600													80
85	42.3	185.3	52,200	49.9	193.5	48,900	54.1	197.0	46,900	60.4	200.7	43,600										85
90	37.9	179.3	48,500	46.1	189.0	45,500	50.4	193.1	43,600	57.1	197.7	40,600										90
95	33.0	172.3	45,300	42.0	183.8	42,500	46.6	188.7	40,700	53.6	194.2	37,900										95
100	27.2	163.7	42,500	37.5	177.8	39,800	42.5	183.6	38,100	49.9	190.3	35,400	56.5	194.0	32,800							100
105	20.1	152.3	39,900	32.5	170.7	37,400	38.1	177.7	35,800	46.1	185.8	33,300	52.9	190.5	30,800							105
110	8.5	132.6	34,500 *	26.7	161.9	35,200	33.2	170.8	33,700	42.0	180.6	31,300	49.3	186.4	28,900							110
115				19.3	150.1	33,200	27.5	162.2	31,800	37.5	174.6	29,600	45.4	181.8	27,300	52.1	185.7	25,100				115
120				6.5	128.3	31,300	20.5	151.0	30,100	32.5	167.4	27,900	41.2	176.5	25,800	48.3	181.5	23,700				120
125							9.3	132.2	28,400	26.7	158.6	26,400	36.6	170.3	24,400	44.4	176.8	22,400				125
130										19.3	146.9	25,000	31.5	162.9	23,100	40.1	171.2	21,200				130
135										6.5	125.1	23,700	25.5	153.7	21,900	35.4	164.8	20,100	47.1	175.5	19,400	135
140													17.7	141.1	20,800	30.1	157.0	19,100	43.1	170.5	18,400	140
145																23.8	147.2	18,200	38.7	164.7	17,400	145
150																15.3	133.1	17,200	28.3	149.6	15,700	150
155																			21.5	138.8	14,900	155
160																			11.3	121.9	14,200	160

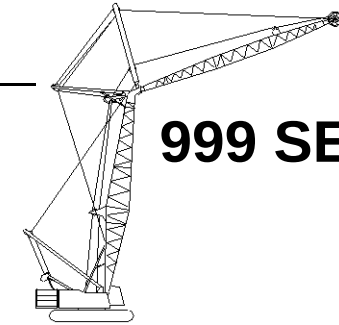
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.0	222.6	70,700 *b																			45
50	69.3	220.8	67,900 *b																			50
55	66.5	218.8	65,300 *																			55
60	63.6	216.5	62,800 *	69.0	219.7	68,400 *b																60
65	60.7	213.8	60,300 *	66.2	217.6	65,900 *																65
70	57.6	210.8	57,900 *	63.3	215.3	62,400	66.6	217.0	59,900													70
75	54.5	207.5	55,600 *	60.4	212.6	57,200	63.7	214.6	54,900													75
80	51.2	203.7	53,500 *	57.3	209.6	52,700	60.8	212.0	50,600													80
85	47.8	199.4	51,500 *	54.2	206.2	48,800	57.8	209.0	46,900													85
90	44.2	194.6	48,500	50.9	202.4	45,400	54.6	205.7	43,600	60.4	209.4	40,500										90
95	40.3	189.0	45,300	47.5	198.0	42,400	51.4	201.9	40,700	57.3	206.3	37,800										95
100	36.1	182.7	42,500	43.8	193.1	39,800	47.9	197.7	38,100	54.2	202.9	35,400										100
105	31.4	175.2	39,900	39.9	187.6	37,400	44.3	192.9	35,800	50.9	199.1	33,300	56.8	202.7	30,700							105
110	25.9	166.1	37,600	35.7	181.1	35,200	40.5	187.4	33,700	47.5	194.8	31,300	53.6	199.2	28,900							110
115	19.2	154.0	35,500	30.9	173.5	33,200	36.3	181.1	31,900	43.8	189.9	29,500	50.3	195.3	27,300							115
120	8.1	133.4	29,200 *	25.4	164.2	31,400	31.6	173.7	30,100	39.9	184.3	27,900	46.8	190.9	25,800	52.8	194.5	23,700				120
125				18.4	151.7	29,800	26.2	164.6	28,500	35.7	177.9	26,500	43.1	185.9	24,400	49.5	190.4	22,400				125
130				6.2	128.8	28,200	19.5	152.7	27,100	30.9	170.3	25,100	39.2	180.2	23,100	46.0	185.9	21,200				130
135							8.9	133.0	25,700	25.4	160.9	23,800	34.9	173.5	22,000	42.2	180.7	20,100				135
140										18.4	148.5	22,700	30.0	165.7	20,900	38.2	174.8	19,100	44.8	179.7	17,400	140
145										6.2	125.6	21,500	24.3	155.9	19,900	33.7	167.9	18,200	41.0	174.3	16,500	145
150													16.9	142.6	18,900	28.7	159.7	17,300	36.8	168.1	15,700	150
155																22.7	149.3	16,500	32.2	160.9	15,000	155
160																14.5	134.4	15,700	27.0	152.1	14,300	160
170																			10.8	122.8	12,900	170

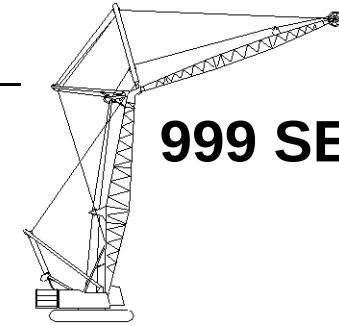
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.6	233.0	58,600 *b																			45
50	71.1	231.4	57,400 *																			50
55	68.5	229.6	55,700 *																			55
60	65.9	227.5	53,500 *	70.9	230.3	58,100 *																60
65	63.3	225.1	51,300 *	68.3	228.5	55,900 *																65
70	60.6	222.5	49,200 *	65.7	226.4	53,800 *																70
75	57.8	219.5	47,300 *	63.1	224.0	51,600 *	66.1	225.7	54,000 *													75
80	55.0	216.2	45,400 *	60.4	221.3	49,600 *	63.4	223.3	50,300													80
85	52.0	212.5	43,600 *	57.6	218.3	47,600 *	60.7	220.7	46,500													85
90	48.9	208.3	42,000 *	54.7	214.9	45,200	57.9	217.7	43,300													90
95	45.6	203.7	40,400 *	51.7	211.2	42,200	55.1	214.4	40,400	60.4	218.0	37,500										95
100	42.2	198.5	39,000 *	48.6	207.0	39,500	52.1	210.7	37,800	57.6	215.0	35,100										100
105	38.5	192.6	37,700 *	45.3	202.3	37,100	49.0	206.6	35,500	54.7	211.7	32,900										105
110	34.5	185.9	36,400 *	41.9	197.1	34,900	45.8	202.0	33,400	51.7	207.9	31,000	57.1	211.4	28,500							110
115	30.0	177.9	35,300 *	38.2	191.1	33,000	42.4	196.8	31,600	48.6	203.8	29,200	54.2	207.9	26,900							115
120	24.8	168.3	33,500	34.1	184.3	31,200	38.7	191.0	29,900	45.3	199.1	27,600	51.2	204.1	25,400							120
125	18.3	155.7	31,700	29.6	176.2	29,600	34.7	184.3	28,300	41.9	193.8	26,200	48.0	199.9	24,000							125
130	7.7	134.0	26,100 *	24.3	166.4	28,100	30.2	176.4	26,800	38.2	187.9	24,800	44.7	195.1	22,800	50.4	199.3	20,800				130
135				17.6	153.3	26,700	25.1	166.9	25,500	34.1	181.0	23,600	41.2	189.7	21,600	47.2	194.9	19,800				135
140				5.9	129.3	25,300	18.7	154.4	24,300	29.6	173.0	22,400	37.5	183.6	20,600	43.9	190.0	18,800				140
145							8.5	133.7	23,100	24.3	163.1	21,300	33.3	176.6	19,600	40.3	184.5	17,800	46.2	188.8	16,200	145
150										17.6	150.1	20,300	28.7	168.3	18,600	36.5	178.2	17,000	42.8	183.7	15,400	150
155										5.9	126.1	19,300	23.2	158.0	17,800	32.3	170.9	16,200	39.2	178.0	14,600	155
160													16.2	144.0	16,900	27.5	162.2	15,400	35.2	171.4	13,900	160
170																13.9	135.7	14,000	25.8	154.4	12,600	170
180																			10.3	123.7	11,400	180

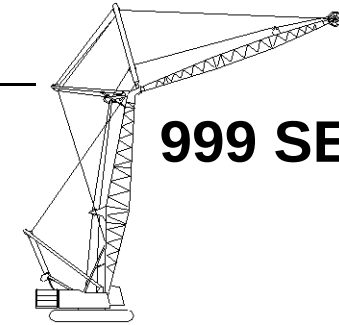
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

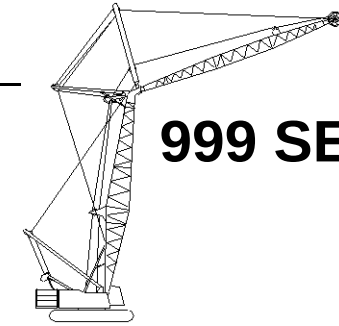
110 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	243.4	54,800 *b																			45
50	72.6	242.0	53,700 *																			50
55	70.3	240.3	51,600 *																			55
60	67.9	238.4	49,500 *																			60
65	65.5	236.2	47,600 *	70.0	239.2	51,600 *																65
70	63.1	233.8	45,700 *	67.7	237.2	49,700 *																70
75	60.6	231.1	43,900 *	65.3	235.1	47,800 *	68.0	236.5	49,800 *													75
80	58.0	228.2	42,200 *	62.8	232.6	46,000 *	65.6	234.4	48,000 *													80
85	55.4	224.9	40,600 *	60.3	229.9	44,200 *	63.2	232.0	46,200 *													85
90	52.6	221.2	39,000 *	57.8	226.9	42,600 *	60.7	229.3	43,000 *													90
95	49.8	217.2	37,500 *	55.1	223.6	40,900 *	58.1	226.4	40,100 *	62.8	229.4	37,200 *										95
100	46.8	212.8	36,100 *	52.4	219.9	39,300 *	55.5	223.1	37,600 *	60.3	226.7	34,800 *										100
105	43.7	207.8	34,800 *	49.5	215.9	36,900 *	52.8	219.5	35,300 *	57.8	223.7	32,700 *										105
110	40.5	202.3	33,500 *	46.6	211.4	34,700 *	49.9	215.5	33,200 *	55.1	220.4	30,700 *										110
115	36.9	196.0	32,400 *	43.5	206.4	32,800 *	47.0	211.1	31,400 *	52.4	216.7	29,000 *	57.3	220.0	26,600 *							115
120	33.1	188.9	31,300 *	40.2	200.8	31,000 *	43.9	206.1	29,700 *	49.5	212.7	27,400 *	54.6	216.7	25,100 *							120
125	28.8	180.6	30,300 *	36.6	194.5	29,400 *	40.6	200.6	28,100 *	46.6	208.2	25,900 *	51.9	212.9	23,800 *							125
130	23.8	170.5	29,400 *	32.7	187.3	27,900 *	37.1	194.4	26,700 *	43.5	203.2	24,600 *	49.0	208.8	22,500 *							130
135	17.6	157.2	28,500 *	28.4	178.8	26,500 *	33.3	187.3	25,300 *	40.2	197.6	23,300 *	46.0	204.2	21,400 *	51.2	208.1	19,500 *				135
140	7.4	134.7	23,300 *	23.3	168.5	25,200 *	29.0	179.1	24,100 *	36.6	191.3	22,200 *	42.9	199.1	20,300 *	48.3	203.9	18,500 *				140
145				16.9	154.8	24,000 *	24.1	169.1	23,000 *	32.7	184.0	21,100 *	39.5	193.4	19,300 *	45.3	199.2	17,600 *				145
150				5.7	129.8	22,900 *	17.9	156.0	21,900 *	28.4	175.6	20,200 *	35.9	187.0	18,400 *	42.1	193.9	16,700 *	47.4	197.8	15,100 *	150
155							8.2	134.5	20,800 *	23.3	165.3	19,200 *	32.0	179.5	17,600 *	38.7	188.1	15,900 *	44.3	193.0	14,400 *	155
160										16.9	151.6	18,300 *	27.5	170.8	16,800 *	35.0	181.4	15,200 *	41.0	187.6	13,700 *	160
170													15.5	145.4	15,300 *	26.4	164.6	13,800 *	33.8	174.5	12,400 *	170
180																13.4	136.9	12,600 *	24.8	156.6	11,300 *	180
190																			9.9	124.6	10,200 *	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	76.0	253.8	51,100 *b																			45
50	73.9	252.4	49,600 *																			50
55	71.7	250.9	47,600 *																			55
60	69.6	249.1	45,700 *																			60
65	67.4	247.1	43,900 *																			65
70	65.1	244.9	42,100 *	69.4	248.0	45,800 *																70
75	62.8	242.5	40,400 *	67.2	246.0	44,000 *																75
80	60.5	239.8	38,700 *	64.9	243.8	42,300 *	67.5	245.3	44,100 *													80
85	58.1	236.8	37,100 *	62.6	241.3	40,600 *	65.2	243.1	42,400 *													85
90	55.7	233.6	35,600 *	60.3	238.6	39,000 *	62.9	240.7	40,800 *													90
95	53.2	230.0	34,200 *	57.9	235.6	37,400 *	60.6	238.0	39,200 *													95
100	50.6	226.1	32,800 *	55.5	232.3	35,900 *	58.2	235.0	37,300 *	62.6	238.1	34,400										100
105	47.9	221.8	31,500 *	52.9	228.7	34,500 *	55.8	231.8	35,000 *	60.3	235.4	32,300										105
110	45.0	217.0	30,200 *	50.3	224.7	33,100 *	53.3	228.2	32,900 *	57.9	232.4	30,400										110
115	42.1	211.7	29,000 *	47.6	220.4	31,700 *	50.7	224.3	31,000 *	55.5	229.1	28,600										115
120	38.9	205.9	27,900 *	44.8	215.6	30,500 *	48.0	220.0	29,300 *	52.9	225.5	27,000	57.5	228.7	24,800							120
125	35.5	199.3	26,800 *	41.8	210.3	29,100 *	45.2	215.3	27,800 *	50.3	221.5	25,600	55.0	225.4	23,400							125
130	31.9	191.8	25,800 *	38.6	204.4	27,600 *	42.2	210.1	26,400 *	47.6	217.2	24,300	52.5	221.7	22,200							130
135	27.7	183.1	24,900 *	35.2	197.7	26,300 *	39.1	204.3	25,000 *	44.8	212.4	23,000	49.9	217.7	21,000							135
140	23.0	172.5	24,100 *	31.5	190.1	25,000 *	35.7	197.7	23,800 *	41.8	207.1	21,900	47.1	213.3	20,000	51.9	216.9	18,100				140
145	17.0	158.8	23,400 *	27.3	181.3	23,800 *	32.0	190.3	22,700 *	38.6	201.2	20,800	44.3	208.4	19,000	49.2	212.8	17,200				145
150	7.1	135.3	20,800 *	22.5	170.5	22,700 *	27.9	181.6	21,600 *	35.2	194.5	19,900	41.2	203.0	18,100	46.4	208.3	16,400				150
155				16.3	156.3	21,700 *	23.2	171.1	20,600 *	31.5	186.9	18,900	38.0	196.9	17,200	43.5	203.3	15,600				155
160				5.5	130.3	20,600 *	17.3	157.6	19,700 *	27.3	178.0	18,100	34.6	190.1	16,400	40.5	197.7	14,800	45.5	202.1	13,300	160
170										16.3	153.1	16,500	26.5	173.2	15,000	33.7	184.5	13,500	39.5	191.2	12,000	170
180													14.9	146.8	13,600	25.4	166.9	12,300	32.5	177.5	10,900	180
190																12.9	138.0	11,200	23.8	158.8	9,900	190
200																			9.6	125.5	9,000	200

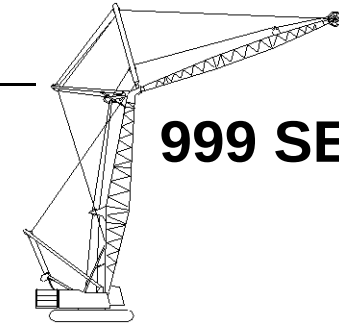
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

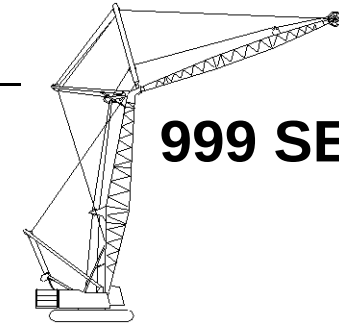
110 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.0	262.8	45,900 *																			50
55	73.0	261.4	44,100 *																			55
60	71.0	259.7	42,300 *																			60
65	68.9	257.9	40,600 *																			65
70	66.9	255.9	38,900 *	70.8	258.6	42,300 *																70
75	64.8	253.6	37,300 *	68.8	256.8	40,600 *																75
80	62.7	251.2	35,700 *	66.7	254.7	39,000 *																80
85	60.5	248.4	34,200 *	64.6	252.5	37,500 *	67.0	254.1	39,100 *													85
90	58.3	245.5	32,800 *	62.5	250.0	35,900 *	64.9	251.8	37,600 *													90
95	56.0	242.3	31,400 *	60.3	247.2	34,400 *	62.7	249.4	36,100 *													95
100	53.6	238.7	30,000 *	58.1	244.3	33,000 *	60.6	246.7	34,600 *													100
105	51.2	234.9	28,700 *	55.8	241.0	31,600 *	58.4	243.7	33,200 *	62.5	246.7	32,200										105
110	48.7	230.7	27,500 *	53.4	237.5	30,200 *	56.1	240.5	31,800 *	60.3	244.0	30,300										110
115	46.2	226.1	26,300 *	51.0	233.6	28,900 *	53.8	237.0	30,500 *	58.1	241.0	28,500										115
120	43.4	221.1	25,200 *	48.5	229.3	27,700 *	51.4	233.2	29,200 *	55.8	237.8	26,900										120
125	40.6	215.5	24,200 *	45.9	224.7	26,500 *	48.9	229.0	27,700	53.4	234.2	25,500	57.6	237.4	23,300							125
130	37.6	209.4	23,200 *	43.2	219.6	25,400 *	46.3	224.4	26,300	51.0	230.3	24,200	55.4	234.1	22,100							130
135	34.3	202.5	22,200 *	40.3	214.0	24,400 *	43.6	219.4	25,000	48.5	226.1	22,900	53.0	230.5	20,900							135
140	30.7	194.6	21,300 *	37.3	207.8	23,300 *	40.7	213.9	23,800	45.9	221.5	21,800	50.6	226.5	19,900							140
145	26.8	185.5	20,500 *	34.0	200.8	22,400 *	37.7	207.7	22,600	43.2	216.4	20,800	48.1	222.2	18,900	52.4	225.7	17,100				145
150	22.2	174.5	19,700 *	30.4	192.9	21,500 *	34.5	200.9	21,600	40.3	210.8	19,800	45.4	217.5	18,000	50.0	221.7	16,300				150
155	16.4	160.2	19,100 *	26.4	183.7	20,700 *	30.9	193.1	20,600	37.3	204.6	18,900	42.7	212.4	17,200	47.4	217.3	15,500				155
160	6.9	136.0	18,600 *	21.7	172.5	19,900 *	27.0	184.0	19,700	34.0	197.6	18,000	39.8	206.7	16,400	44.8	212.5	14,700				160
170				5.3	130.8	18,800 *	16.7	159.1	18,000	26.4	180.4	16,400	33.4	193.2	14,900	39.1	201.3	13,400	43.9	206.2	12,000	170
180										15.8	154.5	15,000	25.6	175.5	13,600	32.5	187.5	12,200	38.1	194.7	10,900	180
190													14.4	148.1	12,400	24.5	169.1	11,100	31.4	180.3	9,900	190
200																12.4	139.1	10,100	23.0	160.9	9,000	200
210																			9.2	126.3	8,100	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

110 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	273.1	42,300 *																			50
55	74.1	271.8	40,600 *																			55
60	72.2	270.3	38,900 *																			60
65	70.3	268.6	37,300 *																			65
70	68.4	266.7	35,700 *																			70
75	66.5	264.6	34,100 *	70.1	267.5	37,200 *																75
80	64.5	262.3	32,600 *	68.2	265.6	35,700 *																80
85	62.5	259.8	31,100 *	66.3	263.5	34,200 *																85
90	60.4	257.1	29,700 *	64.3	261.2	32,700 *	66.5	262.8	34,200 *													90
95	58.4	254.2	28,400 *	62.3	258.6	31,300 *	64.6	260.5	32,800 *													95
100	56.2	250.9	27,100 *	60.3	255.9	29,900 *	62.6	258.0	31,400 *													100
105	54.1	247.5	25,800 *	58.2	252.9	28,500 *	60.5	255.3	30,100 *													105
110	51.8	243.7	24,600 *	56.0	249.7	27,200 *	58.5	252.4	28,700 *	62.3	255.4	29,900										110
115	49.5	239.6	23,500 *	53.9	246.2	26,000 *	56.3	249.2	27,500 *	60.3	252.7	28,200										115
120	47.1	235.1	22,400 *	51.6	242.4	24,800 *	54.2	245.7	26,200 *	58.2	249.7	26,600										120
125	44.6	230.3	21,300 *	49.3	238.3	23,600 *	51.9	242.0	25,000 *	56.0	246.5	25,100										125
130	42.0	225.0	20,300 *	46.9	233.8	22,500 *	49.6	237.9	23,900 *	53.9	243.0	23,800	57.8	246.1	21,700							130
135	39.2	219.1	19,400 *	44.4	228.9	21,500 *	47.2	233.4	22,700 *	51.6	239.2	22,600	55.7	242.8	20,600							135
140	36.3	212.7	18,500 *	41.8	223.5	20,500 *	44.7	228.6	21,700 *	49.3	235.0	21,500	53.5	239.2	19,500							140
145	33.2	205.5	17,700 *	39.0	217.6	19,500 *	42.1	223.3	20,700 *	46.9	230.5	20,400	51.2	235.4	18,600							145
150	29.7	197.3	16,900 *	36.0	211.1	18,600 *	39.4	217.5	19,700 *	44.4	225.6	19,500	48.9	231.2	17,700	52.9	234.5	15,900				150
155	25.9	187.8	16,100 *	32.9	203.8	17,800 *	36.5	211.1	18,800 *	41.8	220.3	18,600	46.4	226.6	16,800	50.6	230.5	15,100				155
160	21.5	176.4	15,400 *	29.4	195.6	17,000 *	33.3	203.9	18,000 *	39.0	214.4	17,700	43.9	221.6	16,000	48.3	226.2	14,400				160
170	6.7	136.5	14,400 *	21.0	174.3	15,500 *	26.1	186.4	16,400 *	32.9	200.6	16,200	38.5	210.2	14,600	43.3	216.5	13,100	47.5	220.2	11,600	170
180				5.1	131.3	14,400 *	16.2	160.5	15,000 *	25.5	182.7	14,800	32.3	196.1	13,300	37.8	204.8	11,900	42.5	210.2	10,500	180
190										15.3	155.9	13,500	24.8	177.7	12,200	31.5	190.3	10,800	36.8	198.1	9,500	190
200													14.0	149.3	11,100	23.7	171.2	9,900	30.4	183.1	8,600	200
210																12.1	140.2	9,000	22.3	162.9	7,800	210
220																			9.0	127.1	7,100	220

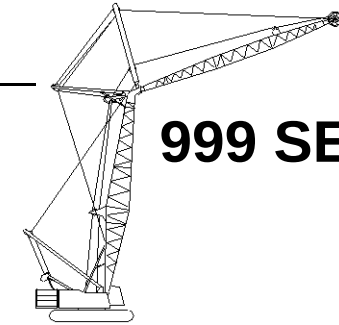
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

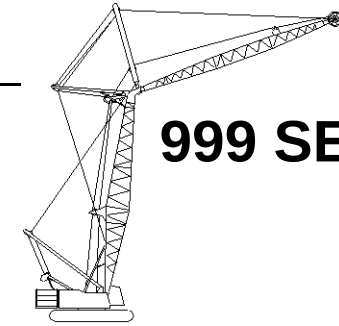
110 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	282.2	37,500 *																		55	
60	73.3	280.7	36,000 *																		60	
65	71.5	279.1	34,400 *																		65	
70	69.7	277.4	32,900 *																		70	
75	67.9	275.5	31,400 *																		75	
80	66.1	273.3	30,000 *	69.6	276.3	32,800 *															80	
85	64.2	271.0	28,600 *	67.8	274.3	31,400 *															85	
90	62.3	268.5	27,300 *	65.9	272.2	30,000 *	68.0	273.6	31,400 *												90	
95	60.4	265.8	26,000 *	64.1	269.8	28,700 *	66.2	271.5	30,100 *												95	
100	58.5	262.8	24,700 *	62.2	267.3	27,400 *	64.3	269.2	28,800 *												100	
105	56.5	259.6	23,500 *	60.2	264.6	26,100 *	62.4	266.7	27,500 *												105	
110	54.4	256.2	22,400 *	58.3	261.6	24,800 *	60.5	264.0	26,200 *												110	
115	52.3	252.5	21,300 *	56.3	258.4	23,600 *	58.6	261.0	25,000 *	62.2	264.1	27,000 *									115	
120	50.2	248.5	20,200 *	54.2	254.9	22,500 *	56.6	257.9	23,800 *	60.3	261.3	25,900 *									120	
125	47.9	244.1	19,200 *	52.1	251.2	21,400 *	54.5	254.4	22,700 *	58.3	258.4	24,700 *									125	
130	45.6	239.4	18,200 *	50.0	247.1	20,300 *	52.4	250.7	21,600 *	56.3	255.1	23,600 *									130	
135	43.2	234.3	17,300 *	47.7	242.8	19,300 *	50.3	246.7	20,500 *	54.2	251.7	22,300 *	57.9	254.7	20,300 *						135	
140	40.7	228.7	16,500 *	45.4	238.0	18,300 *	48.0	242.4	19,500 *	52.1	247.9	21,200 *	55.9	251.5	19,300 *						140	
145	38.0	222.6	15,600 *	43.0	232.9	17,400 *	45.7	237.7	18,500 *	50.0	243.9	20,200 *	53.9	248.0	18,300 *						145	
150	35.2	215.9	14,800 *	40.5	227.3	16,500 *	43.3	232.6	17,600 *	47.7	239.5	19,200 *	51.7	244.2	17,400 *						150	
155	32.2	208.4	14,100 *	37.8	221.1	15,700 *	40.8	227.1	16,700 *	45.4	234.8	18,300 *	49.6	240.1	16,600 *						155	
160	28.8	199.9	13,400 *	34.9	214.3	14,900 *	38.2	221.0	15,900 *	43.0	229.7	17,500 *	47.3	235.6	15,800 *	51.2	239.3	14,100 *			160	
170	20.8	178.3	11,800 *	28.5	198.2	13,400 *	32.3	206.9	14,300 *	37.8	217.9	15,800 *	42.5	225.6	14,300 *	46.8	230.6	12,800 *			170	
180	6.5	137.1	10,300 *	20.4	176.2	11,800 *	25.3	188.7	12,800 *	31.9	203.5	14,300 *	37.3	213.6	13,100 *	41.9	220.4	11,600 *	46.0	224.5	10,200 *	180
190				5.0	131.7	10,300 *	15.7	161.9	11,100 *	24.8	185.0	12,700 *	31.3	199.0	11,900 *	36.6	208.2	10,600 *	41.1	214.0	9,300 *	190
200										14.8	157.2	11,100 *	24.0	179.9	10,900 *	30.5	193.1	9,600 *	35.7	201.4	8,400 *	200
210													13.6	150.5	10,000 *	23.0	173.3	8,800 *	29.4	185.8	7,600 *	210
220																11.7	141.3	8,000 *	21.6	164.8	6,900 *	220
230																			8.7	127.9	6,200 *	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	61.3	189.3	97,700 *b																			45
50	56.6	186.3	94,100 *b																			50
55	51.5	182.7	90,400 *b	61.7	188.6	85,300 b																55
60	46.1	178.3	81,500	57.0	185.6	76,300 b	62.8	188.1	73,100 b													60
65	40.1	173.0	73,600	52.0	182.0	68,900 b	58.1	185.3	66,100 b													65
70	33.2	166.3	67,100	46.5	177.7	62,700	53.2	181.9	60,100 b	63.0	185.8	55,800 b										70
75	24.8	157.2	61,400	40.6	172.5	57,500	47.9	177.8	55,100	58.3	183.0	51,200 b										75
80	11.6	142.0	51,400 *	33.8	165.9	53,000	42.1	172.8	50,800	53.4	179.6	47,200 b										80
85				25.6	157.1	49,100	35.6	166.6	47,100	48.1	175.5	43,700										85
90				13.2	142.9	45,600	27.8	158.5	43,800	42.3	170.5	40,600	53.3	176.2	37,500 b							90
95							17.0	146.3	40,800	35.8	164.4	37,900	48.0	172.1	35,000							95
100										28.1	156.3	35,500	42.2	167.1	32,800	52.9	171.7	30,100				100
105										17.5	144.4	33,300	35.7	160.9	30,700	47.5	167.5	28,200				105
110													27.9	152.9	28,900	41.7	162.5	26,500				110
115													17.3	140.8	27,200	35.1	156.2	25,000	46.7	161.8	22,800	115
120																27.2	147.9	23,600	40.7	156.5	21,500	120
125																16.1	135.3	22,200	34.0	150.0	20,300	125
130																			25.7	141.3	19,200	130
135																			13.6	127.3	18,100	135

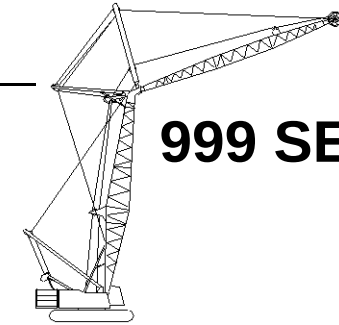
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

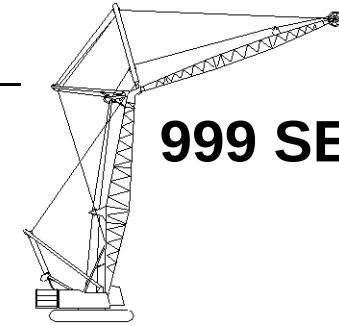
120 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.2	200.5	88,200 *b																			45
50	61.2	198.0	84,300 *b																			50
55	57.0	195.0	80,500 *b	65.5	199.7	85,000 b																55
60	52.6	191.5	77,200 *	61.5	197.2	76,000 b	66.5	199.2	72,800 b													60
65	48.0	187.3	73,500	57.4	194.3	68,600 b	62.5	196.8	65,700 b													65
70	42.9	182.4	66,900	53.0	190.8	62,500	58.4	194.0	59,800 b													70
75	37.4	176.5	61,400	48.4	186.7	57,300	54.1	190.6	54,800	62.6	194.4	50,800 b										75
80	31.0	169.1	56,600	43.4	181.9	52,800	49.5	186.7	50,600	58.5	191.6	46,800 b										80
85	23.1	159.4	52,400	37.9	176.0	48,900	44.6	182.0	46,800	54.2	188.3	43,300										85
90	10.9	143.0	44,800 *	31.6	168.8	45,500	39.3	176.5	43,600	49.7	184.4	40,300										90
95				23.9	159.3	42,500	33.2	169.7	40,700	44.8	179.8	37,600	54.2	184.9	34,600							95
100				12.4	144.0	39,700	25.9	160.8	38,100	39.5	174.2	35,200	49.6	181.0	32,400							100
105							15.9	147.7	35,700	33.4	167.5	33,100	44.7	176.4	30,400							105
110										26.2	158.7	31,100	39.4	170.8	28,600	49.2	176.5	26,100				110
115										16.3	145.9	29,300	33.3	164.0	27,000	44.3	171.8	24,600				115
120													26.1	155.3	25,500	38.9	166.1	23,300				120
125													16.1	142.3	24,000	32.8	159.2	22,000	43.5	165.9	19,900	125
130																25.4	150.2	20,800	38.0	160.1	18,900	130
135																15.1	136.7	19,700	31.7	152.9	17,900	135
140																			24.1	143.5	16,900	140
145																			12.7	128.4	16,000	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.1	211.4	80,000 *b																			45
50	64.6	209.2	76,600 *b																			50
55	61.1	206.7	73,400 *	68.4	210.6	81,400 *b																55
60	57.3	203.7	70,300 *	64.9	208.4	75,800 b																60
65	53.5	200.2	67,600 *	61.4	205.9	68,400	65.8	207.9	65,500 b													65
70	49.4	196.3	65,100 *	57.7	202.9	62,300	62.2	205.5	59,600 b													70
75	45.1	191.6	61,300	53.8	199.5	57,100	58.6	202.6	54,600													75
80	40.4	186.2	56,500	49.8	195.6	52,700	54.7	199.4	50,400	62.3	203.1	46,600										80
85	35.2	179.8	52,300	45.4	191.0	48,800	50.7	195.5	46,600	58.7	200.3	43,100										85
90	29.2	171.8	48,700	40.8	185.7	45,400	46.5	191.1	43,400	54.9	197.0	40,100										90
95	21.8	161.3	45,500	35.6	179.3	42,400	41.9	186.0	40,500	50.9	193.2	37,400										95
100	10.3	143.9	39,900 *	29.7	171.6	39,700	36.9	179.9	38,000	46.7	188.9	35,000	54.8	193.6	32,200							100
105				22.5	161.4	37,300	31.2	172.5	35,600	42.1	183.7	32,900	50.8	189.8	30,200							105
110				11.7	145.1	35,000	24.4	163.1	33,500	37.1	177.7	31,000	46.6	185.4	28,400							110
115							15.0	149.1	31,600	31.5	170.4	29,200	42.0	180.3	26,800	50.5	185.3	24,400				115
120										24.7	161.0	27,600	37.0	174.3	25,300	46.2	180.9	23,000				120
125										15.4	147.3	26,100	31.4	166.9	23,900	41.7	175.7	21,800				125
130													24.6	157.5	22,700	36.6	169.5	20,600				130
135													15.2	143.7	21,500	30.9	162.1	19,600	45.5	175.1	18,600	135
140																24.0	152.4	18,600	40.9	169.8	17,700	140
145																14.2	138.0	17,600	35.7	163.4	16,700	145
150																			22.7	145.5	15,100	150
155																			11.9	129.5	14,300	155

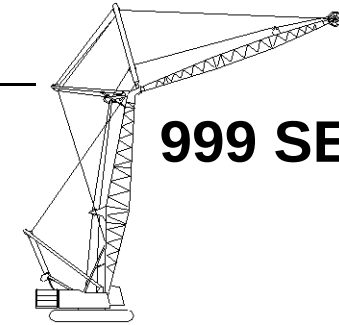
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

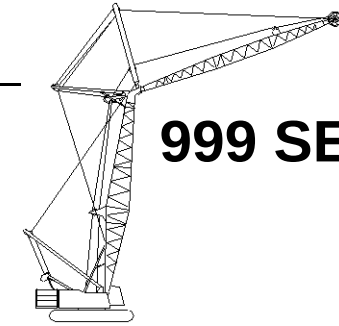
120 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.4	222.1	74,800 *b																			45
50	67.3	220.2	71,400 *b																			50
55	64.2	217.9	68,300 *	70.6	221.2	75,800 *b																55
60	60.9	215.3	65,400 *	67.6	219.3	72,600 *b																60
65	57.6	212.4	62,700 *	64.4	217.1	68,100																65
70	54.2	209.0	60,100 *	61.2	214.5	62,000	65.2	216.6	59,300													70
75	50.5	205.1	57,700 *	57.9	211.6	56,800	62.0	214.2	54,300													75
80	46.7	200.7	55,500 *	54.4	208.3	52,400	58.7	211.3	50,000													80
85	42.6	195.7	52,200	50.8	204.4	48,500	55.3	208.1	46,300	62.1	211.8	42,700										85
90	38.2	189.8	48,500	47.0	200.1	45,100	51.7	204.4	43,100	58.8	209.0	39,700										90
95	33.3	182.8	45,300	43.0	195.1	42,100	48.0	200.1	40,200	55.4	205.7	37,100										95
100	27.7	174.4	42,500	38.6	189.3	39,500	44.0	195.3	37,700	51.9	202.0	34,700										100
105	20.7	163.2	39,900	33.8	182.5	37,100	39.7	189.7	35,400	48.1	197.8	32,600	55.4	202.3	29,800							105
110	9.7	144.8	35,700 *	28.2	174.1	34,900	35.0	183.2	33,300	44.1	193.0	30,600	51.8	198.6	28,000							110
115				21.3	163.3	32,900	29.6	175.3	31,400	39.9	187.5	28,900	48.1	194.4	26,400							115
120				11.1	146.1	31,100	23.2	165.2	29,700	35.1	181.0	27,300	44.1	189.6	24,900	51.5	194.1	22,600				120
125							14.2	150.4	28,100	29.8	173.1	25,900	39.8	184.1	23,600	47.7	189.9	21,400				125
130										23.4	163.1	24,500	35.1	177.5	22,400	43.7	185.0	20,300				130
135										14.6	148.6	23,200	29.7	169.6	21,200	39.4	179.4	19,200	47.1	184.1	17,200	135
140													23.3	159.6	20,100	34.7	172.8	18,200	43.1	179.2	16,400	140
145													14.4	145.0	19,100	29.3	164.7	17,300	38.7	173.4	15,500	145
150																22.7	154.5	16,500	33.8	166.6	14,700	150
155																13.5	139.2	15,600	28.3	158.3	14,000	155
160																			21.5	147.5	13,300	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.2	232.7	70,300 *b																			45
50	69.5	230.9	67,600 *b																			50
55	66.7	228.9	65,100 *																			55
60	63.8	226.6	62,600 *	69.7	230.1	68,500 *b																60
65	60.9	224.0	60,300 *	66.9	228.1	66,200 *																65
70	57.8	221.0	57,900 *	64.0	225.8	61,900	67.6	227.5	59,200													70
75	54.7	217.7	55,600 *	61.1	223.2	56,800	64.7	225.3	54,200													75
80	51.4	213.9	53,500 *	58.1	220.3	52,300	61.8	222.8	50,000													80
85	48.0	209.7	51,600 *	55.0	217.0	48,500	58.8	220.0	46,300													85
90	44.4	204.9	48,500	51.7	213.3	45,100	55.7	216.8	43,000	61.9	220.5	39,700										90
95	40.6	199.5	45,300	48.3	209.1	42,100	52.5	213.1	40,200	58.9	217.6	37,000										95
100	36.4	193.2	42,500	44.7	204.3	39,500	49.2	209.1	37,600	55.8	214.4	34,600										100
105	31.7	185.8	39,900	40.9	198.9	37,100	45.6	204.5	35,400	52.6	210.8	32,500										105
110	26.4	176.8	37,600	36.7	192.7	34,900	41.8	199.2	33,300	49.3	206.8	30,600	55.8	211.0	28,000							110
115	19.7	165.0	35,500	32.1	185.4	33,000	37.8	193.2	31,400	45.7	202.2	28,900	52.6	207.4	26,400							115
120	9.3	145.6	30,800 *	26.8	176.6	31,200	33.3	186.2	29,700	42.0	197.0	27,300	49.2	203.4	24,900							120
125				20.3	165.1	29,600	28.2	177.8	28,200	37.9	191.0	25,900	45.7	198.8	23,600	52.3	202.9	21,400				125
130				10.5	147.0	28,000	22.1	167.2	26,700	33.5	184.0	24,500	41.9	193.6	22,400	48.9	198.8	20,200				130
135							13.5	151.6	25,400	28.4	175.7	23,300	37.9	187.6	21,200	45.4	194.2	19,200				135
140										22.3	165.1	22,200	33.4	180.6	20,200	41.6	188.9	18,200				140
145										13.9	149.9	21,100	28.3	172.2	19,200	37.5	182.9	17,300	44.8	188.4	15,500	145
150													22.2	161.6	18,300	33.0	175.8	16,500	41.0	183.0	14,700	150
155													13.8	146.2	17,400	27.9	167.3	15,700	36.8	176.8	14,000	155
160																21.6	156.4	15,000	32.2	169.5	13,400	160
170																			20.5	149.3	12,100	170

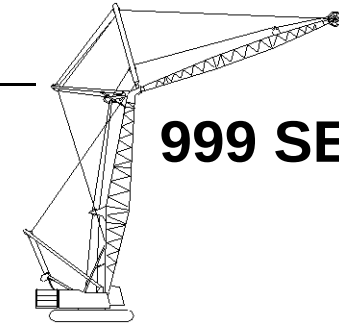
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

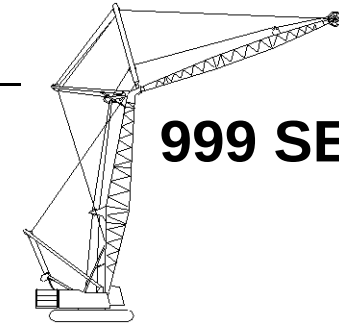
120 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.8	243.1	57,900 *b																			45
50	71.3	241.6	56,700 *b																			50
55	68.7	239.7	55,500 *																			55
60	66.1	237.7	53,400 *																			60
65	63.5	235.3	51,300 *	68.9	238.9	56,200 *																65
70	60.8	232.7	49,300 *	66.3	236.8	54,100 *																70
75	58.0	229.7	47,300 *	63.7	234.5	52,000 *	67.0	236.3	53,900													75
80	55.2	226.4	45,500 *	61.0	231.9	50,000 *	64.3	234.0	49,600													80
85	52.2	222.7	43,700 *	58.3	228.9	48,000 *	61.7	231.5	45,900													85
90	49.1	218.6	42,100 *	55.4	225.7	44,800	58.9	228.6	42,700													90
95	45.9	214.0	40,500 *	52.4	222.0	41,800	56.1	225.4	39,900	61.8	229.1	36,600										95
100	42.4	208.9	39,100 *	49.4	218.0	39,200	53.2	221.9	37,300	59.0	226.3	34,300										100
105	38.8	203.1	37,800 *	46.1	213.4	36,800	50.1	217.9	35,100	56.2	223.1	32,200										105
110	34.8	196.4	36,500 *	42.7	208.3	34,700	46.9	213.5	33,000	53.3	219.6	30,300										110
115	30.3	188.5	35,300	39.1	202.6	32,700	43.6	208.6	31,200	50.2	215.6	28,500	56.1	219.7	26,000							115
120	25.2	179.0	33,400	35.1	196.0	31,000	40.0	203.0	29,500	47.0	211.2	27,000	53.2	216.2	24,500							120
125	18.9	166.7	31,700	30.7	188.2	29,300	36.1	196.6	27,900	43.7	206.3	25,500	50.2	212.2	23,200							125
130	8.9	146.4	27,600 *	25.7	178.9	27,800	31.8	189.2	26,500	40.1	200.7	24,200	47.0	207.8	22,000	53.0	211.7	19,800				130
135				19.5	166.9	26,400	27.0	180.3	25,200	36.3	194.4	23,000	43.6	202.9	20,900	49.9	207.7	18,800				135
140				10.1	147.9	25,100	21.1	169.1	23,900	32.0	187.0	21,900	40.1	197.3	19,800	46.7	203.3	17,800				140
145							13.0	152.8	22,800	27.2	178.2	20,800	36.2	190.9	18,900	43.4	198.3	17,000				145
150										21.3	167.1	19,800	31.9	183.5	18,000	39.8	192.6	16,100	46.2	197.5	14,300	150
155										13.3	151.1	18,900	27.1	174.7	17,100	35.9	186.2	15,400	42.8	192.4	13,600	155
160													21.2	163.5	16,300	31.6	178.7	14,600	39.2	186.6	13,000	160
170																20.7	158.3	13,300	30.8	172.4	11,800	170
180																			19.6	151.1	10,700	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.0	253.5	54,200 *b																			45
50	72.7	252.1	53,100 *																			50
55	70.4	250.4	51,400 *																			55
60	68.1	248.5	49,400 *																			60
65	65.7	246.4	47,500 *	70.6	249.5	51,800 *																65
70	63.2	244.0	45,700 *	68.3	247.7	50,000 *																70
75	60.7	241.3	43,900 *	65.9	245.5	48,100 *																75
80	58.2	238.4	42,200 *	63.4	243.2	46,300 *	66.4	245.0	48,400 *													80
85	55.5	235.1	40,600 *	60.9	240.5	44,600 *	64.0	242.7	45,700													85
90	52.8	231.5	39,100 *	58.4	237.6	42,900 *	61.5	240.1	42,500													90
95	50.0	227.5	37,600 *	55.8	234.4	41,300 *	59.0	237.3	39,600													95
100	47.1	223.1	36,200 *	53.1	230.8	39,000	56.4	234.1	37,100	61.6	237.8	34,000										100
105	44.0	218.2	34,900 *	50.2	226.8	36,600	53.7	230.6	34,800	59.1	234.9	31,900										105
110	40.7	212.7	33,600 *	47.3	222.5	34,500	50.9	226.8	32,800	56.5	231.8	30,000										110
115	37.2	206.5	32,500 *	44.2	217.6	32,500	48.0	222.5	30,900	53.8	228.3	28,300										115
120	33.4	199.4	31,400 *	41.0	212.2	30,800	45.0	217.8	29,200	51.0	224.5	26,700	56.5	228.4	24,300							120
125	29.1	191.2	30,400 *	37.5	206.0	29,200	41.8	212.5	27,700	48.1	220.2	25,300	53.8	224.9	23,000							125
130	24.2	181.2	29,500 *	33.7	199.0	27,700	38.4	206.5	26,300	45.1	215.5	24,000	51.0	221.1	21,700							130
135	18.1	168.3	28,500	29.5	190.9	26,300	34.6	199.8	25,000	41.9	210.2	22,800	48.1	216.8	20,600							135
140	8.5	147.2	24,600 *	24.7	181.1	25,000	30.6	191.9	23,800	38.5	204.3	21,700	45.1	212.1	19,600	50.8	216.6	17,600				140
145				18.7	168.6	23,800	25.9	182.6	22,600	34.8	197.6	20,600	41.8	206.8	18,600	47.8	212.2	16,700				145
150				9.7	148.8	22,700	20.3	170.9	21,600	30.7	189.8	19,700	38.4	200.9	17,700	44.8	207.5	15,900				150
155							12.4	153.9	20,600	26.1	180.5	18,700	34.7	194.1	16,900	41.6	202.1	15,100	47.4	206.5	13,400	155
160										20.5	168.9	17,900	30.6	186.3	16,100	38.1	196.2	14,400	44.3	201.6	12,700	160
170													20.4	165.4	14,700	30.3	181.5	13,100	37.6	190.1	11,500	170
180																19.9	160.1	11,900	29.6	175.0	10,400	180
190																			18.8	152.8	9,500	190

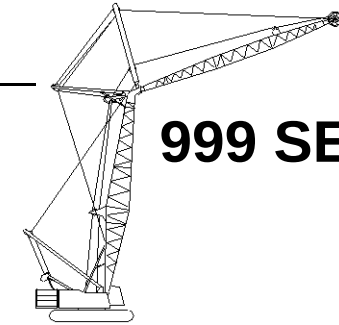
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

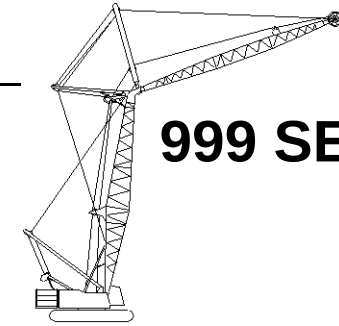
120 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.0	262.5	49,300 *																			50
55	71.9	261.0	47,500 *																			55
60	69.7	259.2	45,600 *																			60
65	67.5	257.3	43,800 *																			65
70	65.3	255.1	42,100 *	69.9	258.4	46,000 *																70
75	63.0	252.7	40,400 *	67.7	256.4	44,200 *																75
80	60.7	250.0	38,700 *	65.5	254.3	42,600 *																80
85	58.3	247.0	37,200 *	63.2	251.9	40,900 *	66.0	253.8	42,800 *													85
90	55.9	243.8	35,700 *	60.9	249.2	39,300 *	63.7	251.4	41,300 *													90
95	53.4	240.2	34,300 *	58.5	246.3	37,700 *	61.4	248.8	39,300													95
100	50.8	236.3	32,900 *	56.1	243.1	36,300 *	59.1	246.0	36,800													100
105	48.1	232.1	31,600 *	53.6	239.5	34,800 *	56.7	242.8	34,500	61.5	246.5	31,500										105
110	45.2	227.3	30,300 *	51.0	235.7	33,400 *	54.2	239.4	32,500	59.2	243.6	29,600										110
115	42.3	222.1	29,100 *	48.3	231.4	32,100 *	51.6	235.6	30,600	56.7	240.5	27,900										115
120	39.2	216.3	28,000 *	45.5	226.7	30,500	48.9	231.4	28,900	54.3	237.0	26,400										120
125	35.8	209.8	27,000 *	42.5	221.6	28,900	46.2	226.9	27,400	51.7	233.3	25,000	56.7	237.1	22,600							125
130	32.1	202.4	25,900 *	39.4	215.8	27,400	43.3	221.8	26,000	49.0	229.1	23,700	54.2	233.6	21,400							130
135	28.0	193.7	25,000 *	36.1	209.4	26,000	40.2	216.2	24,700	46.3	224.6	22,500	51.7	229.9	20,300							135
140	23.3	183.3	24,200 *	32.4	202.0	24,800	36.9	209.9	23,500	43.4	219.5	21,300	49.0	225.7	19,200							140
145	17.4	169.9	23,500 *	28.4	193.5	23,600	33.3	202.8	22,400	40.3	214.0	20,300	46.2	221.2	18,300	51.5	225.4	16,300				145
150	8.2	147.9	22,000 *	23.8	183.3	22,500	29.4	194.6	21,300	37.0	207.7	19,300	43.3	216.1	17,400	48.8	221.2	15,500				150
155				18.0	170.2	21,500	24.9	184.9	20,300	33.5	200.6	18,400	40.3	210.5	16,600	46.0	216.6	14,700				155
160				9.3	149.6	20,500	19.5	172.7	19,400	29.6	192.5	17,600	37.0	204.3	15,800	43.1	211.5	14,000				160
170										19.7	170.7	16,000	29.5	189.0	14,400	36.7	199.5	12,700	42.6	205.6	11,100	170
180													19.7	167.2	13,100	29.2	184.1	11,600	36.1	193.4	10,100	180
190																19.2	161.8	10,500	28.5	177.6	9,100	190
200																		8,300	18.1	154.4		200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.1	272.9	45,700 *																			50
55	73.1	271.5	44,000 *																			55
60	71.1	269.8	42,200 *																			60
65	69.1	268.0	40,600 *																			65
70	67.0	266.0	38,900 *																			70
75	64.9	263.8	37,300 *	69.3	267.2	40,900 *																75
80	62.8	261.3	35,800 *	67.2	265.2	39,300 *																80
85	60.6	258.6	34,300 *	65.1	263.0	37,700 *	67.7	264.6	39,400 *													85
90	58.4	255.7	32,800 *	63.0	260.5	36,200 *	65.6	262.5	38,000 *													90
95	56.1	252.5	31,400 *	60.8	257.9	34,700 *	63.5	260.1	36,500 *													95
100	53.8	249.0	30,100 *	58.6	254.9	33,300 *	61.3	257.5	35,100 *													100
105	51.4	245.2	28,800 *	56.3	251.7	31,900 *	59.1	254.6	33,700 *													105
110	48.9	241.0	27,600 *	54.0	248.3	30,600 *	56.9	251.5	32,300 *	61.4	255.1	29,500										110
115	46.3	236.4	26,400 *	51.6	244.5	29,300 *	54.6	248.1	30,500	59.2	252.3	27,800										115
120	43.6	231.4	25,300 *	49.1	240.3	28,000 *	52.2	244.4	28,800	57.0	249.2	26,300										120
125	40.8	225.9	24,300 *	46.6	235.8	26,900 *	49.7	240.3	27,300	54.7	245.8	24,900										125
130	37.8	219.8	23,300 *	43.9	230.8	25,700 *	47.2	235.9	25,900	52.3	242.1	23,600	56.9	245.8	21,300							130
135	34.5	213.0	22,300 *	41.0	225.4	24,700 *	44.5	231.0	24,600	49.8	238.0	22,400	54.6	242.4	20,200							135
140	31.0	205.2	21,400 *	38.0	219.3	23,600 *	41.7	225.7	23,400	47.3	233.6	21,200	52.2	238.7	19,100							140
145	27.1	196.2	20,600 *	34.8	212.6	22,700 *	38.8	219.8	22,300	44.6	228.8	20,200	49.8	234.6	18,200							145
150	22.5	185.4	19,800 *	31.3	204.9	21,800 *	35.6	213.2	21,300	41.8	223.4	19,300	47.2	230.2	17,300	52.0	234.2	15,400				150
155	16.8	171.4	19,200 *	27.4	196.0	20,900 *	32.2	205.8	20,300	38.9	217.6	18,400	44.6	225.3	16,500	49.6	230.1	14,600				155
160	7.9	148.6	18,700 *	22.9	185.4	20,100 *	28.4	197.2	19,400	35.7	211.0	17,500	41.8	220.0	15,700	47.0	225.6	13,900				160
170				9.0	150.4	18,700	18.9	174.3	17,700	28.5	195.1	16,000	35.7	207.6	14,300	41.6	215.4	12,600	46.6	219.9	11,000	170
180										19.1	172.4	14,600	28.5	191.6	13,100	35.4	202.8	11,500	41.1	209.5	10,000	180
190													19.0	168.9	11,900	28.2	186.7	10,500	34.9	196.6	9,100	190
200																18.5	163.5	9,500	27.5	180.1	8,200	200
210																			17.5	156.0	7,400	210

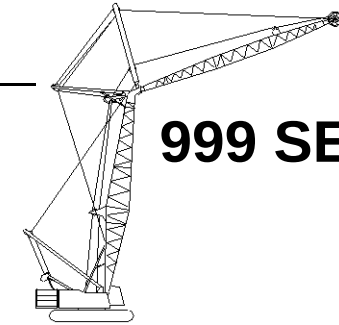
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

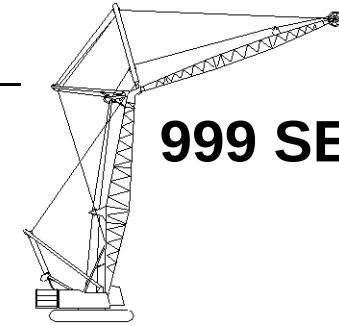
120 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.2	281.9	40,400 *																			55
60	72.3	280.4	38,800 *																			60
65	70.4	278.7	37,200 *																			65
70	68.5	276.8	35,600 *																			70
75	66.6	274.7	34,100 *	70.6	277.8	37,400 *																75
80	64.6	272.5	32,600 *	68.7	276.0	35,900 *																80
85	62.6	270.0	31,200 *	66.8	273.9	34,400 *																85
90	60.6	267.3	29,800 *	64.8	271.7	33,000 *	67.2	273.4	34,600 *													90
95	58.5	264.4	28,400 *	62.8	269.2	31,600 *	65.3	271.2	33,200 *													95
100	56.4	261.2	27,100 *	60.8	266.5	30,200 *	63.3	268.8	31,800 *													100
105	54.2	257.7	25,900 *	58.7	263.6	28,800 *	61.3	266.1	30,500 *													105
110	52.0	254.0	24,700 *	56.6	260.4	27,500 *	59.2	263.3	29,200 *													110
115	49.7	249.9	23,600 *	54.4	257.0	26,300 *	57.1	260.2	27,900 *	61.3	263.8	27,500										115
120	47.3	245.5	22,500 *	52.2	253.3	25,100 *	54.9	256.8	26,600 *	59.3	260.9	25,900										120
125	44.8	240.6	21,400 *	49.9	249.2	23,900 *	52.7	253.1	25,400 *	57.2	257.8	24,500										125
130	42.2	235.4	20,400 *	47.5	244.8	22,800 *	50.4	249.2	24,300 *	55.0	254.5	23,200										130
135	39.4	229.6	19,500 *	45.0	240.0	21,800 *	48.1	244.9	23,200 *	52.8	250.8	22,000	57.1	254.4	19,800							135
140	36.5	223.2	18,600 *	42.4	234.8	20,700 *	45.6	240.2	22,100 *	50.5	246.9	20,900	55.0	251.1	18,800							140
145	33.4	216.0	17,700 *	39.7	229.1	19,800 *	43.0	235.1	21,100 *	48.1	242.6	19,900	52.8	247.4	17,800							145
150	30.0	207.9	16,900 *	36.8	222.7	18,900 *	40.3	229.4	20,100 *	45.7	237.9	18,900	50.5	243.5	16,900							150
155	26.2	198.6	16,200 *	33.7	215.6	18,000 *	37.5	223.2	19,200 *	43.1	232.8	18,100	48.1	239.2	16,100	52.6	242.9	14,300				155
160	21.8	187.3	15,500 *	30.3	207.6	17,200 *	34.4	216.4	18,300 *	40.4	227.2	17,200	45.7	234.5	15,400	50.3	238.9	13,600				160
170	7.7	149.3	14,400 *	22.2	187.3	15,700 *	27.5	199.7	16,700 *	34.6	214.2	15,700	40.4	223.8	14,000	45.4	229.9	12,300				170
180				8.7	151.2	14,600 *	18.3	176.0	15,300 *	27.6	197.6	14,400	34.5	210.7	12,700	40.2	219.1	11,100	45.0	224.1	9,600	180
190										18.5	174.1	13,100	27.6	194.1	11,600	34.3	205.9	10,100	39.7	213.1	8,700	190
200													18.4	170.5	10,600	27.2	189.1	9,200				200
210																17.9	165.1	8,400	26.6	182.5	7,100	210
220																			16.9	157.5	6,400	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

120 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.2	292.2	37,400 *																			55
60	73.4	290.8	35,800 *																			60
65	71.6	289.3	34,400 *																			65
70	69.8	287.5	32,900 *																			70
75	68.0	285.6	31,400 *																			75
80	66.2	283.5	30,000 *	70.0	286.6	33,000 *																80
85	64.4	281.2	28,700 *	68.2	284.7	31,700 *																85
90	62.5	278.7	27,300 *	66.4	282.6	30,300 *																90
95	60.6	276.0	26,000 *	64.5	280.4	29,000 *	66.8	282.1	30,400 *													95
100	58.6	273.0	24,800 *	62.6	277.9	27,600 *	65.0	279.9	29,200 *													100
105	56.6	269.9	23,600 *	60.7	275.2	26,400 *	63.1	277.4	27,900 *													105
110	54.6	266.4	22,500 *	58.8	272.3	25,100 *	61.2	274.8	26,700 *													110
115	52.5	262.7	21,400 *	56.8	269.1	23,900 *	59.2	271.9	25,400 *													115
120	50.3	258.7	20,300 *	54.7	265.7	22,800 *	57.3	268.8	24,300 *	61.2	272.4	25,700										120
125	48.1	254.4	19,300 *	52.6	262.0	21,700 *	55.2	265.5	23,100 *	59.3	269.6	24,200										125
130	45.8	249.7	18,300 *	50.5	258.1	20,600 *	53.2	261.9	22,000 *	57.3	266.5	23,000										130
135	43.4	244.7	17,400 *	48.3	253.8	19,600 *	51.0	258.0	20,900 *	55.3	263.2	21,800										135
140	40.9	239.1	16,500 *	46.0	249.1	18,600 *	48.8	253.8	19,900 *	53.2	259.6	20,700	57.3	263.1	18,500							140
145	38.2	233.1	15,700 *	43.6	244.1	17,700 *	46.5	249.2	18,900 *	51.1	255.7	19,600	55.3	259.8	17,500							145
150	35.4	226.4	14,900 *	41.1	238.6	16,800 *	44.2	244.3	18,000 *	48.9	251.5	18,700	53.2	256.2	16,700							150
155	32.4	219.0	14,200 *	38.4	232.6	15,900 *	41.7	238.9	17,100 *	46.6	247.0	17,800	51.1	252.3	15,900							155
160	29.1	210.6	13,500 *	35.6	226.0	15,100 *	39.1	233.0	16,200 *	44.3	242.0	17,000	48.9	248.1	15,100	53.0	251.7	13,300				160
170	21.1	189.2	11,900 *	29.4	210.3	13,600 *	33.4	219.4	14,600 *	39.2	230.8	15,500	44.2	238.6	13,700	48.7	243.5	12,000				170
180	7.5	150.0	10,400 *	21.5	189.3	12,000 *	26.6	202.1	13,100 *	33.5	217.2	14,100	39.1	227.4	12,500	44.0	234.0	10,900				180
190				8.5	152.0	10,500 *	17.7	177.6	11,400 *	26.8	200.0	12,900	33.4	213.8	11,400	38.9	222.7	9,900	43.6	228.2	8,400	190
200										17.9	175.7	11,500 *	26.7	196.5	10,400	33.2	209.0	9,000	38.5	216.7	7,600	200
210													17.8	172.1	9,500	26.4	191.5	8,200	32.7	202.7	6,900	210
220																17.4	166.6	7,400	25.8	184.9	6,200	220
230																			16.4	159.0	5,500	230

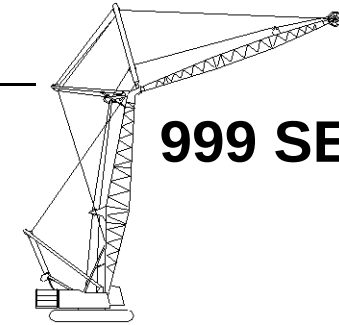
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

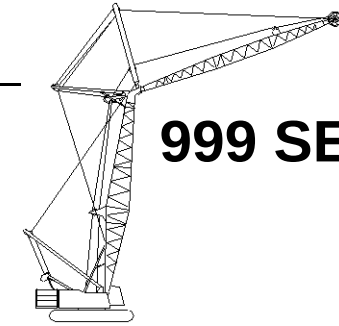
130 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	61.7	199.5	98,200 *b																			45
50	56.9	196.6	94,000 *b																			50
55	51.9	193.0	90,300 *b	62.9	199.1	84,700 b																55
60	46.5	188.7	81,500	58.2	196.3	75,700 b																60
65	40.5	183.4	73,600	53.2	192.9	68,400 b	59.8	196.2	65,300 b													65
70	33.7	176.8	67,000	47.9	188.8	62,300	54.9	193.0	59,500 b													70
75	25.4	168.0	61,400	42.1	183.8	57,100	49.8	189.1	54,500	60.8	194.1	50,200 b										75
80	13.0	153.6	53,100 *	35.6	177.6	52,700	44.2	184.5	50,300	56.0	191.1	46,300 b										80
85				27.8	169.5	48,800	37.9	178.7	46,600	50.9	187.4	42,800 b										85
90				17.0	157.3	45,300	30.7	171.4	43,300	45.4	182.9	39,800	56.7	188.0	36,400 b							90
95							21.3	161.2	40,400	39.3	177.4	37,200	51.7	184.4	34,000 b							95
100										32.3	170.4	34,800	46.2	180.0	31,800							100
105										23.5	161.0	32,700	40.3	174.7	29,900	52.1	180.2	27,100 b				105
110										8.8	143.7	30,600	33.4	168.0	28,100	46.7	175.9	25,500				110
115													25.0	159.1	26,400	40.8	170.6	24,000				115
120													12.2	144.2	24,900	34.0	164.1	22,600	46.7	170.4	20,300	120
125																25.8	155.4	21,400	40.7	165.2	19,200	125
130																13.7	141.5	20,200	34.0	158.6	18,200	130
135																			25.7	149.9	17,200	135
140																			13.6	135.9	16,200	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.5	210.7	88,000 *b																			45
50	61.5	208.2	84,200 *b																			50
55	57.3	205.2	80,500 *b	66.5	210.2	84,400 b																55
60	52.9	201.8	77,300 *	62.5	207.8	75,400 b																60
65	48.3	197.6	73,400	58.4	205.0	68,100 b	63.9	207.5	65,000 b													65
70	43.3	192.8	66,900	54.1	201.6	62,000	59.8	204.9	59,100 b													70
75	37.8	186.9	61,300	49.5	197.7	56,900	55.6	201.7	54,200													75
80	31.5	179.7	56,500	44.6	193.0	52,400	51.1	198.0	50,000	60.7	202.8	45,900 b										80
85	23.8	170.2	52,400	39.3	187.5	48,600	46.4	193.6	46,300	56.5	199.8	42,500										85
90	12.1	154.7	46,100 *	33.2	180.7	45,200	41.2	188.4	43,100	52.1	196.2	39,500										90
95				26.0	171.9	42,200	35.4	182.0	40,200	47.4	191.9	36,900	57.1	196.6	33,600							95
100				15.9	158.8	39,400	28.6	174.1	37,600	42.3	186.9	34,500	52.8	193.1	31,400							100
105							19.9	163.0	35,300	36.7	180.8	32,400	48.1	189.0	29,500							105
110										30.1	173.2	30,500	43.1	184.1	27,700							110
115										22.0	163.0	28,700	37.6	178.2	26,100	48.5	184.8	23,600				115
120										8.2	144.5	27,000	31.2	170.9	24,700	43.5	180.0	22,300				120
125													23.4	161.2	23,300	38.0	174.2	21,000				125
130													11.4	145.3	22,000	31.8	167.0	19,900	43.5	174.6	17,800	130
135																24.1	157.6	18,900	38.0	168.8	16,800	135
140																12.8	142.6	17,800	31.7	161.6	16,000	140
145																			24.1	152.1	15,100	145
150																			12.7	137.1	14,300	150

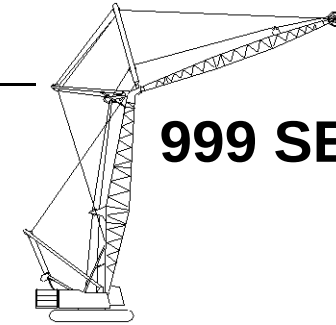
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.3	221.6	79,800 *b																			45
50	64.9	219.4	76,400 *b																			50
55	61.3	216.9	73,300 *	69.2	221.0	81,800 *b																55
60	57.6	213.9	70,400 *	65.8	218.9	75,200 b																60
65	53.8	210.5	67,600 *	62.2	216.5	67,900 b	67.0	218.5	64,700 b													65
70	49.7	206.5	65,200 *	58.6	213.6	61,800	63.5	216.2	58,900 b													70
75	45.4	202.0	61,200	54.8	210.3	56,700	59.8	213.5	54,000													75
80	40.7	196.6	56,500	50.8	206.5	52,300	56.1	210.4	49,800													80
85	35.6	190.3	52,300	46.5	202.1	48,400	52.2	206.8	46,100	60.6	211.5	42,200										85
90	29.7	182.4	48,700	42.0	197.0	45,100	48.0	202.6	42,900	56.9	208.4	39,300										90
95	22.4	172.2	45,400	37.0	190.9	42,100	43.6	197.7	40,000	53.0	204.9	36,600										95
100	11.4	155.7	41,200 *	31.3	183.5	39,400	38.7	192.0	37,500	48.9	200.9	34,300	57.5	205.3	31,200							100
105				24.5	174.1	37,000	33.3	185.1	35,200	44.5	196.2	32,200	53.6	201.9	29,200							105
110				15.0	160.2	34,800	27.0	176.5	33,200	39.8	190.6	30,300	49.5	197.9	27,500							110
115							18.8	164.7	31,300	34.5	184.0	28,600	45.2	193.3	25,900							115
120										28.4	175.8	27,000	40.5	187.9	24,500	49.9	193.7	22,000				120
125										20.7	164.9	25,600	35.3	181.5	23,200	45.6	189.2	20,800				125
130										7.7	145.2	24,100	29.4	173.6	22,000	40.9	183.9	19,700				130
135													22.0	163.2	20,800	35.8	177.6	18,700	45.5	183.7	16,600	135
140													10.7	146.2	19,700	29.9	169.8	17,700	40.9	178.4	15,700	140
145																22.7	159.7	16,800	35.7	172.1	14,900	145
150																12.0	143.7	16,000	29.9	164.3	14,200	150
155																			22.7	154.2	13,500	155
160																			11.9	138.2	12,700	160

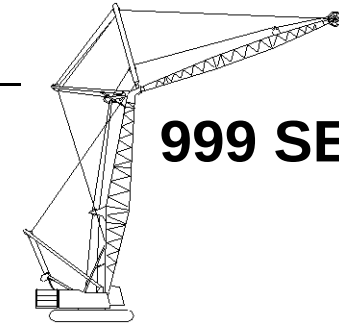
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.6	232.2	74,500 *b																			45
50	67.5	230.3	71,300 *b																			50
55	64.4	228.1	68,200 *																			55
60	61.2	225.5	65,300 *	68.3	229.8	73,000 *b																60
65	57.8	222.6	62,700 *	65.2	227.6	67,600																65
70	54.4	219.2	60,100 *	62.0	225.1	61,500	66.3	227.3	58,500 b													70
75	50.8	215.4	57,800 *	58.7	222.3	56,400	63.1	224.9	53,600													75
80	47.0	211.0	55,600 *	55.3	219.0	52,000	59.9	222.2	49,400													80
85	42.9	206.0	52,100	51.7	215.3	48,100	56.5	219.1	45,800													85
90	38.5	200.2	48,500	48.0	211.1	44,800	53.0	215.5	42,600	60.5	220.1	38,900										90
95	33.7	193.4	45,300	44.0	206.3	41,800	49.3	211.5	39,700	57.2	217.1	36,300										95
100	28.1	185.0	42,400	39.7	200.7	39,200	45.4	206.9	37,200	53.7	213.7	33,900										100
105	21.2	174.1	39,800	35.0	194.2	36,800	41.2	201.6	34,900	50.1	209.7	31,900	57.7	214.0	28,800							105
110	10.8	156.7	36,800 *	29.6	186.3	34,600	36.7	195.4	32,900	46.2	205.3	30,000	54.3	210.6	27,100							110
115				23.2	176.2	32,700	31.6	188.0	31,000	42.1	200.1	28,300	50.6	206.8	25,600							115
120				14.2	161.4	30,900	25.6	178.9	29,300	37.6	194.1	26,700	46.8	202.4	24,100							120
125							17.8	166.3	27,800	32.7	187.0	25,300	42.8	197.3	22,800	50.9	202.6	20,400				125
130										26.9	178.3	24,000	38.4	191.5	21,600	47.1	198.2	19,300				130
135										19.6	166.7	22,700	33.5	184.6	20,500	43.1	193.3	18,300				135
140										7.3	145.8	21,500	27.8	176.2	19,500	38.7	187.5	17,400	47.1	192.8	15,300	140
145													20.9	165.1	18,500	33.9	180.7	16,500	43.1	187.8	14,500	145
150													10.2	147.1	17,500	28.3	172.4	15,700	38.7	182.0	13,800	150
155																21.5	161.6	14,900	33.8	175.2	13,100	155
160																11.4	144.7	14,100	28.3	166.9	12,500	160
170																			11.3	139.2	11,200	170

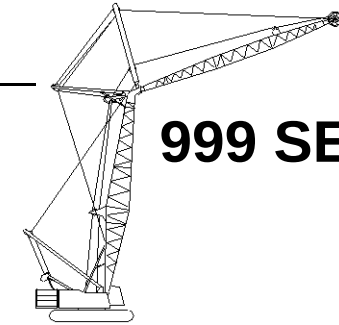
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

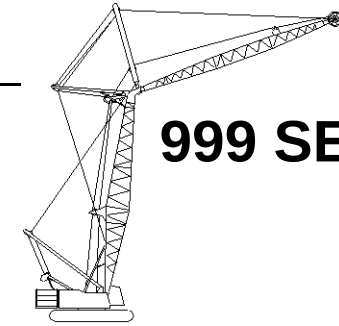
130 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.4	242.8	69,800 *b																			45
50	69.7	241.1	67,300 *b																			50
55	66.9	239.1	64,800 *																			55
60	64.0	236.8	62,500 *	70.4	240.4	68,500 *b																60
65	61.1	234.2	60,200 *	67.6	238.5	66,300 *																65
70	58.0	231.2	57,900 *	64.7	236.3	61,500																70
75	54.9	227.9	55,700 *	61.8	233.8	56,300	65.7	236.0	53,600													75
80	51.7	224.2	53,600 *	58.8	231.0	51,900	62.8	233.6	49,400													80
85	48.3	220.0	51,700 *	55.7	227.7	48,100	59.9	230.8	45,700													85
90	44.7	215.3	48,500	52.5	224.1	44,700	56.8	227.8	42,500													90
95	40.8	209.9	45,300	49.2	220.1	41,800	53.6	224.3	39,700	60.5	228.8	36,200										95
100	36.7	203.6	42,500	45.6	215.5	39,200	50.3	220.4	37,200	57.5	225.8	33,900										100
105	32.1	196.3	39,900	41.9	210.2	36,800	46.9	216.0	34,900	54.3	222.4	31,800										105
110	26.8	187.4	37,600	37.8	204.2	34,700	43.2	211.0	32,900	51.0	218.6	30,000	57.9	222.7	27,100							110
115	20.2	175.9	35,500	33.3	197.2	32,700	39.2	205.3	31,000	47.6	214.3	28,300	54.8	219.3	25,500							115
120	10.3	157.7	32,200 *	28.2	188.8	31,000	34.9	198.6	29,400	44.0	209.4	26,700	51.5	215.6	24,100							120
125				22.1	178.2	29,300	30.1	190.8	27,800	40.1	203.9	25,300	48.1	211.4	22,800							125
130				13.6	162.7	27,800	24.4	181.1	26,400	35.8	197.5	24,000	44.5	206.6	21,600	51.8	211.4	19,300				130
135							17.0	167.8	25,100	31.1	189.9	22,800	40.7	201.2	20,500	48.4	207.2	18,300				135
140										25.6	180.6	21,700	36.5	194.9	19,500	44.8	202.5	17,400				140
145										18.7	168.4	20,600	31.9	187.5	18,500	41.0	197.1	16,500				145
150										7.0	146.5	19,600	26.5	178.6	17,700	36.9	190.9	15,700	44.8	197.0	13,800	150
155													19.9	166.9	16,800	32.3	183.7	14,900	41.0	191.7	13,100	155
160													9.7	148.0	16,000	27.0	174.9	14,200	36.8	185.5	12,500	160
170																10.9	145.7	12,900	27.0	169.4	11,300	170
180																			10.8	140.1	10,200	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.9	253.2	57,200 *b																			45
50	71.4	251.7	56,000 *b																			50
55	68.9	249.9	55,000 *																			55
60	66.3	247.8	53,300 *																			60
65	63.7	245.5	51,300 *	69.6	249.3	56,200 *																65
70	61.0	242.8	49,300 *	67.0	247.3	54,400 *																70
75	58.2	239.9	47,400 *	64.4	245.0	52,400 *	67.9	246.9	53,200													75
80	55.4	236.6	45,500 *	61.7	242.5	50,400 *	65.3	244.7	49,000													80
85	52.4	233.0	43,800 *	58.9	239.6	47,800	62.6	242.2	45,400													85
90	49.3	228.9	42,200 *	56.1	236.4	44,400	59.9	239.5	42,200													90
95	46.1	224.4	40,600 *	53.2	232.9	41,500	57.1	236.4	39,400													95
100	42.7	219.3	39,200 *	50.1	228.9	38,900	54.2	233.0	36,800	60.5	237.4	33,500										100
105	39.0	213.5	37,900 *	46.9	224.5	36,500	51.2	229.2	34,600	57.7	234.5	31,400										105
110	35.1	206.9	36,700 *	43.6	219.6	34,400	48.1	225.0	32,600	54.8	231.1	29,600										110
115	30.7	199.1	35,300	40.0	214.0	32,500	44.8	220.2	30,700	51.8	227.4	27,900										115
120	25.6	189.8	33,400	36.1	207.6	30,700	41.3	214.8	29,100	48.7	223.2	26,400	55.2	228.0	23,700							120
125	19.4	177.7	31,700	31.9	200.2	29,100	37.5	208.7	27,500	45.5	218.6	25,000	52.3	224.4	22,400							125
130	9.9	158.5	28,800 *	27.0	191.3	27,600	33.4	201.7	26,100	42.0	213.3	23,700	49.2	220.3	21,200							130
135				21.1	180.1	26,200	28.7	193.4	24,800	38.3	207.4	22,500	46.0	215.7	20,100	52.5	220.2	17,900				135
140				13.0	163.8	24,900	23.3	183.2	23,600	34.3	200.6	21,400	42.5	210.6	19,100	49.4	216.1	17,000				140
145							16.2	169.3	22,500	29.8	192.6	20,300	38.9	204.8	18,200	46.2	211.6	16,100				145
150										24.5	182.9	19,400	34.9	198.1	17,300	42.8	206.5	15,300				150
155										17.9	170.0	18,500	30.5	190.3	16,500	39.2	200.7	14,600	46.2	206.1	12,700	155
160										6.7	147.1	17,600	25.4	180.9	15,700	35.2	194.2	13,900	42.8	201.1	12,100	160
170													9.3	148.8	14,300	25.8	177.2	12,600	35.2	188.7	10,900	170
180																10.4	146.6	11,400	25.8	171.7	9,900	180
190																			10.3	141.1	8,900	190

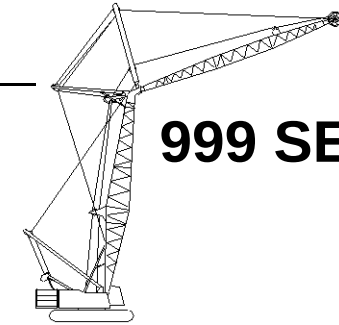
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

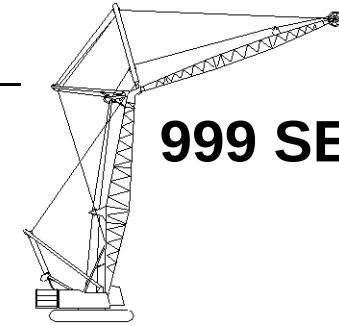
130 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	263.6	53,500 *b																			45
50	72.9	262.2	52,500 *																			50
55	70.6	260.5	51,200 *																			55
60	68.2	258.6	49,300 *																			60
65	65.8	256.5	47,500 *																			65
70	63.4	254.1	45,700 *	68.8	258.1	50,200 *																70
75	60.9	251.5	43,900 *	66.5	256.0	48,400 *																75
80	58.4	248.6	42,200 *	64.0	253.7	46,600 *	67.3	255.6	48,700													80
85	55.7	245.3	40,700 *	61.6	251.1	44,900 *	64.9	253.4	45,100													85
90	53.0	241.8	39,100 *	59.0	248.3	43,200 *	62.4	250.9	41,900													90
95	50.2	237.8	37,700 *	56.4	245.1	41,300	59.9	248.2	39,100													95
100	47.3	233.4	36,300 *	53.7	241.6	38,600	57.3	245.1	36,600	62.9	248.8	33,200										100
105	44.2	228.5	35,000 *	50.9	237.8	36,300	54.7	241.7	34,400	60.4	246.1	31,200										105
110	40.9	223.1	33,700 *	48.0	233.5	34,200	51.9	238.0	32,300	57.8	243.1	29,300										110
115	37.4	216.9	32,600 *	45.0	228.7	32,300	49.0	233.9	30,500	55.2	239.8	27,600										115
120	33.7	210.0	31,500 *	41.8	223.5	30,500	46.1	229.3	28,900	52.5	236.2	26,100										120
125	29.4	201.8	30,500 *	38.4	217.5	28,900	42.9	224.2	27,300	49.6	232.1	24,700	55.6	236.7	22,100							125
130	24.6	192.0	29,600 *	34.7	210.8	27,400	39.6	218.5	25,900	46.7	227.6	23,400	52.9	233.1	21,000							130
135	18.6	179.4	28,500	30.6	203.0	26,100	36.0	212.1	24,600	43.6	222.7	22,200	50.1	229.2	19,900							135
140	9.5	159.4	25,700 *	25.9	193.6	24,800	32.0	204.7	23,400	40.3	217.1	21,100	47.1	224.8	18,900							140
145				20.3	181.9	23,600	27.6	195.9	22,300	36.7	210.8	20,100	44.1	219.9	18,000	50.3	225.0	15,800				145
150				12.5	164.9	22,500	22.4	185.2	21,300	32.9	203.6	19,200	40.8	214.4	17,100	47.4	220.6	15,000				150
155							15.6	170.7	20,300	28.6	195.2	18,300	37.3	208.2	16,300	44.3	215.8	14,300				155
160										23.5	185.0	17,400	33.5	201.2	15,500	41.1	210.3	13,600	47.4	215.2	11,800	160
170										6.4	147.6	15,800	24.4	183.1	14,100	33.8	197.3	12,400	41.0	204.9	10,700	170
180													8.9	149.6	12,800	24.8	179.4	11,200	33.8	191.8	9,600	180
190																10.0	147.5	10,200	24.8	174.0	8,700	190
200																			9.9	142.0	7,900	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.2	272.6	48,900 *																			50
55	72.0	271.1	47,300 *																			55
60	69.9	269.3	45,500 *																			60
65	67.7	267.4	43,700 *																			65
70	65.4	265.2	42,000 *	70.4	268.7	46,100 *																70
75	63.2	262.8	40,400 *	68.2	266.8	44,500 *																75
80	60.8	260.2	38,800 *	66.0	264.7	42,800 *																80
85	58.5	257.2	37,200 *	63.7	262.4	41,200 *	66.8	264.4	43,200 *													85
90	56.0	254.0	35,700 *	61.4	259.8	39,600 *	64.5	262.1	41,600													90
95	53.5	250.5	34,300 *	59.1	256.9	38,100 *	62.2	259.6	38,800													95
100	50.9	246.6	33,000 *	56.7	253.8	36,600 *	59.9	256.8	36,300													100
105	48.3	242.4	31,700 *	54.2	250.4	35,200 *	57.5	253.8	34,000	62.7	257.5	30,800										105
110	45.4	237.7	30,400 *	51.6	246.6	33,800 *	55.0	250.4	32,000	60.4	254.8	29,000										110
115	42.5	232.5	29,200 *	49.0	242.4	32,000	52.5	246.8	30,200	58.0	251.8	27,300										115
120	39.4	226.7	28,100 *	46.2	237.8	30,200	49.9	242.8	28,500	55.6	248.5	25,800										120
125	36.0	220.3	27,100 *	43.3	232.8	28,600	47.2	238.3	27,000	53.0	244.9	24,400										125
130	32.4	212.9	26,000 *	40.2	227.2	27,200	44.3	233.5	25,600	50.4	241.0	23,100	55.9	245.4	20,600							130
135	28.3	204.4	25,100 *	36.9	220.9	25,800	41.3	228.1	24,300	47.7	236.6	21,900	53.4	241.9	19,500							135
140	23.7	194.1	24,300 *	33.4	213.8	24,600	38.1	222.0	23,100	44.9	231.9	20,800	50.8	238.0	18,500							140
145	17.9	181.0	23,600 *	29.4	205.6	23,400	34.6	215.2	22,000	41.9	226.6	19,800	48.1	233.7	17,600							145
150	9.2	160.2	23,000 *	25.0	195.9	22,300	30.8	207.5	21,000	38.8	220.7	18,900	45.3	229.0	16,700	51.0	233.8	14,600				150
155				19.6	183.7	21,300	26.6	198.3	20,000	35.4	214.1	18,000	42.4	223.8	15,900	48.4	229.6	13,900				155
160				12.0	166.0	20,300	21.6	187.1	19,100	31.6	206.5	17,100	39.2	218.0	15,200	45.6	224.9	13,200				160
170										22.7	187.0	15,600	32.2	204.1	13,800	39.5	214.0	12,000	45.5	219.5	10,300	170
180										6.2	148.2	14,200	23.5	185.2	12,600	32.5	200.2	10,900	39.5	208.5	9,300	180
190													8.6	150.4	11,400	23.9	181.6	9,900	32.5	194.8	8,400	190
200																9.6	148.4	8,900	23.8	176.1	7,500	200
210																			9.6	142.8	6,800	210

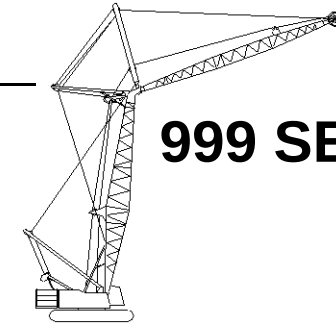
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.2	283.0	45,500 *																			50
55	73.3	281.6	43,800 *																			55
60	71.3	280.0	42,100 *																			60
65	69.2	278.2	40,500 *																			65
70	67.2	276.2	38,900 *																			70
75	65.1	273.9	37,300 *	69.7	277.6	41,000 *																75
80	63.0	271.5	35,800 *	67.7	275.6	39,500 *																80
85	60.8	268.8	34,300 *	65.6	273.4	38,000 *																85
90	58.6	265.9	32,900 *	63.5	271.1	36,500 *	66.3	273.1	38,300 *													90
95	56.3	262.7	31,500 *	61.3	268.5	35,000 *	64.2	270.8	36,900 *													95
100	54.0	259.2	30,200 *	59.1	265.6	33,600 *	62.1	268.3	35,500 *													100
105	51.6	255.4	28,900 *	56.9	262.5	32,200 *	59.9	265.5	33,900													105
110	49.1	251.3	27,700 *	54.6	259.1	30,900 *	57.7	262.5	31,900	62.5	266.2	28,800										110
115	46.5	246.8	26,500 *	52.2	255.4	29,600 *	55.4	259.2	30,100	60.4	263.4	27,200										115
120	43.8	241.8	25,400 *	49.7	251.3	28,400 *	53.0	255.5	28,400	58.1	260.5	25,600										120
125	41.0	236.3	24,400 *	47.2	246.9	27,200 *	50.6	251.6	26,900	55.9	257.2	24,300										125
130	38.0	230.2	23,400 *	44.5	242.0	26,000 *	48.1	247.3	25,500	53.5	253.7	23,000										130
135	34.8	223.5	22,400 *	41.7	236.7	25,000 *	45.5	242.6	24,300	51.1	249.8	21,800	56.2	254.1	19,400							135
140	31.3	215.8	21,500 *	38.8	230.8	23,900 *	42.7	237.5	23,100	48.6	245.6	20,700	53.9	250.6	18,400							140
145	27.4	206.9	20,700 *	35.6	224.2	23,000 *	39.8	231.8	22,000	46.0	241.0	19,700	51.5	246.8	17,500							145
150	22.9	196.2	19,900 *	32.2	216.8	22,000 *	36.7	225.4	20,900	43.3	235.9	18,800	49.0	242.7	16,600							150
155	17.3	182.5	19,300 *	28.4	208.2	21,200 *	33.4	218.3	20,000	40.4	230.3	17,900	46.4	238.1	15,800	51.7	242.6	13,800				155
160	8.8	161.0	18,700 *	24.1	198.1	20,300	29.8	210.2	19,100	37.4	224.1	17,100	43.7	233.1	15,100	49.2	238.5	13,100				160
170				11.6	167.0	18,600	20.8	189.0	17,500	30.5	209.3	15,600	37.9	221.5	13,700	43.9	229.0	11,900				170
180										21.9	189.0	14,200	31.1	207.0	12,500	38.1	217.5	10,800	43.9	223.6	9,200	180
190										6.0	148.7	13,000	22.7	187.2	11,400	31.4	203.1	9,800	38.1	212.1	8,300	190
200													8.3	151.2	10,400	23.1	183.7	8,900	31.4	197.6	7,500	200
210																9.3	149.2	8,100	23.0	178.2	6,800	210
220																			9.2	143.6	6,000	220

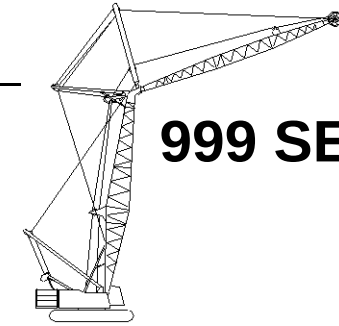
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.3	292.0	40,300 *																			55
60	72.5	290.5	38,700 *																			60
65	70.6	288.8	37,100 *																			65
70	68.7	286.9	35,600 *																			70
75	66.7	284.9	34,100 *																			75
80	64.8	282.6	32,600 *	69.2	286.4	36,100 *																80
85	62.8	280.2	31,200 *	67.2	284.4	34,700 *																85
90	60.7	277.5	29,800 *	65.3	282.2	33,200 *	67.9	283.9	34,900 *													90
95	58.7	274.6	28,500 *	63.3	279.7	31,900 *	65.9	281.8	33,600 *													95
100	56.5	271.4	27,200 *	61.3	277.1	30,500 *	64.0	279.5	32,300 *													100
105	54.4	268.0	26,000 *	59.2	274.3	29,100 *	62.0	276.9	30,900 *													105
110	52.1	264.2	24,800 *	57.1	271.2	27,900 *	59.9	274.1	29,600 *													110
115	49.8	260.2	23,700 *	54.9	267.8	26,600 *	57.8	271.1	28,300 *	62.4	274.8	26,800										115
120	47.4	255.8	22,600 *	52.7	264.1	25,400 *	55.7	267.8	27,100 *	60.3	272.1	25,300										120
125	45.0	251.0	21,500 *	50.4	260.2	24,200 *	53.5	264.3	25,900 *	58.3	269.1	23,900										125
130	42.4	245.7	20,500 *	48.1	255.9	23,100 *	51.2	260.4	24,700 *	56.1	265.9	22,600										130
135	39.6	240.0	19,600 *	45.6	251.2	22,100 *	48.9	256.2	23,600 *	53.9	262.4	21,500										135
140	36.7	233.6	18,700 *	43.0	246.0	21,000 *	46.5	251.7	22,500 *	51.7	258.6	20,400	56.5	262.8	18,000							140
145	33.6	226.5	17,800 *	40.4	240.4	20,100 *	43.9	246.7	21,500 *	49.4	254.5	19,400	54.3	259.4	17,100							145
150	30.2	218.5	17,000 *	37.5	234.2	19,200 *	41.3	241.3	20,500 *	47.0	250.0	18,400	52.0	255.6	16,300							150
155	26.5	209.3	16,300 *	34.5	227.4	18,300 *	38.5	235.3	19,600 *	44.5	245.1	17,600	49.7	251.5	15,500							155
160	22.1	198.2	15,600 *	31.2	219.6	17,400 *	35.5	228.7	18,700 *	41.9	239.8	16,800	47.3	247.1	14,700	52.2	251.4	12,800				160
170	8.6	161.7	14,500 *	23.3	200.2	15,900 *	28.8	212.8	17,000 *	36.2	227.5	15,300	42.3	237.1	13,400	47.5	243.0	11,500				170
180				11.3	168.0	14,700 *	20.1	190.8	15,600 *	29.6	212.0	14,000	36.6	224.9	12,200	42.5	233.0	10,400	47.5	237.5	8,800	180
190										21.2	190.9	12,800	30.1	209.7	11,100	36.9	220.9	9,500	42.5	227.5	7,900	190
200										5.8	149.2	11,600	21.9	189.2	10,100	30.4	205.9	8,600	36.8	215.5	7,100	200
210													8.1	151.9	9,200	22.3	185.7	7,800	30.4	200.4	6,400	210
220																9.0	150.0	7,000	22.3	180.2	5,700	220
230																			9.0	144.4	5,100	230

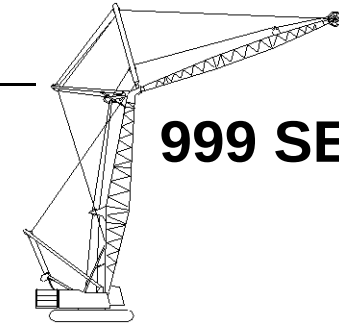
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

130 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	302.3	37,200 *																			55
60	73.5	300.9	35,700 *																			60
65	71.8	299.4	34,300 *																			65
70	70.0	297.6	32,800 *																			70
75	68.2	295.7	31,400 *																			75
80	66.3	293.6	30,000 *	70.4	297.0	33,200 *																80
85	64.5	291.3	28,700 *	68.6	295.1	31,900 *																85
90	62.6	288.9	27,400 *	66.8	293.1	30,500 *																90
95	60.7	286.2	26,100 *	65.0	290.9	29,200 *	67.4	292.7	30,800 *													95
100	58.7	283.2	24,900 *	63.1	288.4	27,900 *	65.6	290.5	29,500 *													100
105	56.7	280.1	23,700 *	61.2	285.8	26,700 *	63.7	288.2	28,300 *													105
110	54.7	276.7	22,600 *	59.2	282.9	25,400 *	61.8	285.6	27,100 *													110
115	52.6	273.0	21,500 *	57.3	279.8	24,200 *	59.9	282.8	25,900 *													115
120	50.5	269.0	20,400 *	55.2	276.5	23,100 *	58.0	279.8	24,700 *	62.2	283.5	25,000										120
125	48.2	264.7	19,400 *	53.2	272.9	22,000 *	55.9	276.5	23,500 *	60.3	280.8	23,600										125
130	45.9	260.1	18,400 *	51.0	269.0	20,900 *	53.9	273.0	22,400 *	58.4	277.8	22,400										130
135	43.5	255.0	17,500 *	48.8	264.8	19,900 *	51.8	269.2	21,300 *	56.4	274.6	21,200										135
140	41.0	249.5	16,600 *	46.5	260.2	18,900 *	49.6	265.1	20,300 *	54.3	271.1	20,100										140
145	38.4	243.5	15,800 *	44.2	255.3	17,900 *	47.3	260.7	19,300 *	52.2	267.4	19,100	56.7	271.5	16,800							145
150	35.6	236.9	15,000 *	41.7	249.9	17,000 *	45.0	255.9	18,300 *	50.0	263.4	18,200	54.6	268.1	16,000							150
155	32.6	229.5	14,300 *	39.1	244.0	16,200 *	42.6	250.7	17,400 *	47.8	259.0	17,300	52.5	264.4	15,200							155
160	29.3	221.2	13,500 *	36.3	237.6	15,400 *	40.0	245.0	16,600 *	45.5	254.3	16,500	50.4	260.4	14,500							160
170	21.5	200.1	12,000 *	30.2	222.3	13,900 *	34.4	231.8	14,900 *	40.5	243.6	15,000	45.8	251.4	13,100	50.5	256.2	11,300				170
180	8.3	162.5	10,500 *	22.6	202.2	12,300 *	27.9	215.3	13,500 *	35.0	230.7	13,700	40.9	240.8	11,900	46.0	247.3	10,200				180
190				10.9	169.0	10,700 *	19.5	192.6	11,800 *	28.7	214.6	12,600	35.5	228.1	10,900	41.1	236.8	9,200	46.0	241.9	7,600	190
200										20.6	192.7	11,500	29.2	212.3	9,900	35.7	224.2	8,400	41.1	231.3	6,800	200
210										5.6	149.7	10,500	21.3	191.1	9,000	29.5	208.5	7,600	35.7	218.7	6,100	210
220													7.8	152.6	8,200	21.6	187.6	6,800	29.4	203.1	5,500	220
230																8.8	150.8	6,100	21.6	182.1	4,900	230
240																			8.7	145.2	4,300	240

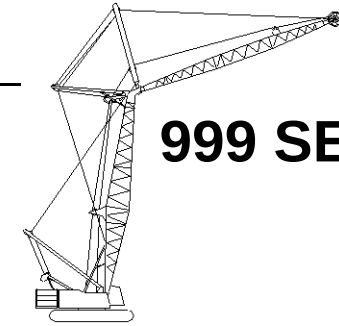
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	62.0	209.7	98,000 *b																			45
50	57.3	206.8	93,900 *b																			50
55	52.2	203.2	90,300 *b																			55
60	46.9	199.0	81,400	59.3	207.0	75,200 b																60
65	41.0	193.8	73,500	54.4	203.7	67,900 b	61.4	207.0	64,500 b													65
70	34.2	187.3	67,000	49.2	199.8	61,800	56.7	204.0	58,700 b													70
75	26.1	178.7	61,400	43.6	195.0	56,700	51.6	200.4	53,800 b													75
80	14.2	165.1	51,800 *	37.3	189.1	52,300	46.2	196.1	49,600	58.5	202.4	45,300 b										80
85				29.9	181.6	48,400	40.2	190.7	46,000	53.5	199.0	41,900 b										85
90				20.2	170.9	45,000	33.3	184.0	42,800	48.3	195.0	39,000										90
95							24.9	175.1	39,900	42.5	190.0	36,400	55.1	196.3	32,900 b							95
100							12.0	160.1	37,300	36.1	183.9	34,100	50.0	192.5	30,800							100
105										28.4	176.0	32,000	44.4	187.8	28,900							105
110										18.0	164.3	30,000	38.2	182.2	27,200	51.3	188.6	24,300 b				110
115													31.0	174.9	25,600	45.8	184.2	22,900				115
120													21.8	164.8	24,100	39.8	178.8	21,600				120
125																32.9	172.0	20,400	46.7	179.1	18,000	125
130																24.3	162.8	19,300	40.7	173.9	17,000	130
135																10.6	146.9	18,200	34.0	167.3	16,100	135
140																			25.7	158.6	15,300	140
145																			13.6	144.6	14,400	145

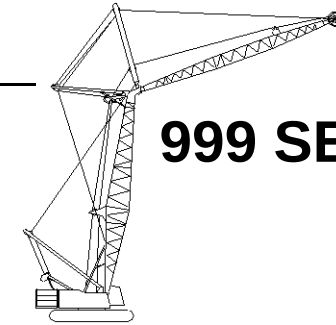
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.7	220.8	87,700 *b																			45
50	61.8	218.4	84,000 *b																			50
55	57.6	215.5	80,600 *b	67.4	220.6	83,700 b																55
60	53.3	212.0	77,300 *	63.5	218.3	74,800 b																60
65	48.6	207.9	73,400	59.4	215.6	67,600 b	65.3	218.2	64,100 b													65
70	43.7	203.1	66,800	55.2	212.4	61,500	61.3	215.7	58,400 b													70
75	38.2	197.4	61,300	50.7	208.6	56,400	57.1	212.7	53,500 b													75
80	32.0	190.3	56,500	45.9	204.2	52,000	52.7	209.2	49,300	62.8	213.9	44,900 b										80
85	24.4	180.9	52,300	40.6	198.9	48,200	48.1	205.1	45,700	58.7	211.1	41,500 b										85
90	13.3	166.3	45,000 *	34.8	192.4	44,800	43.0	200.1	42,500	54.4	207.7	38,600										90
95				27.9	184.2	41,800	37.5	194.2	39,700	49.8	203.9	36,000										95
100				18.9	172.6	39,100	31.1	186.9	37,100	45.0	199.3	33,700	55.8	205.0	30,400							100
105							23.3	177.2	34,800	39.7	193.8	31,700	51.3	201.3	28,500							105
110							11.2	161.1	32,700	33.7	187.1	29,800	46.6	196.9	26,800							110
115										26.5	178.4	28,100	41.4	191.8	25,300	52.4	197.4	22,500				115
120										16.8	165.8	26,500	35.7	185.5	23,800	47.7	193.2	21,200				120
125													29.0	177.6	22,500	42.7	188.3	20,000				125
130													20.4	166.7	21,300	37.1	182.3	18,900				130
135																30.7	174.8	17,900	43.5	183.2	15,700	135
140																22.7	164.9	17,000	38.0	177.4	14,900	140
145																10.0	147.8	16,100	31.7	170.2	14,100	145
150																			24.1	160.8	13,400	150
155																			12.7	145.7	12,600	155

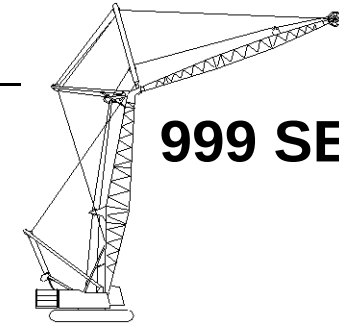
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

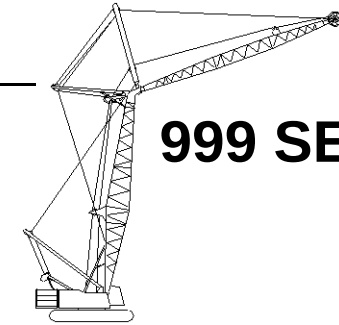
140 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.6	231.7	79,400 *b																			45
50	65.1	229.6	76,100 *b																			50
55	61.6	227.0	73,100 *	70.1	231.4	82,000 *b																55
60	57.9	224.1	70,200 *	66.6	229.4	74,600 b																60
65	54.0	220.7	67,500 *	63.1	227.0	67,400 b																65
70	50.0	216.8	65,100 *	59.5	224.3	61,300	64.7	226.9	58,100 b													70
75	45.7	212.3	61,200	55.7	221.1	56,200	61.1	224.4	53,300													75
80	41.1	207.0	56,400	51.8	217.4	51,800	57.4	221.4	49,100													80
85	35.9	200.7	52,300	47.6	213.2	48,000	53.5	217.9	45,500	62.5	222.5	41,300 b										85
90	30.1	193.0	48,600	43.1	208.3	44,700	49.5	214.0	42,300	58.8	219.7	38,400										90
95	23.0	183.0	45,400	38.2	202.4	41,700	45.1	209.4	39,500	55.0	216.5	35,800										95
100	12.5	167.4	40,000 *	32.7	195.4	39,100	40.5	204.0	37,000	51.0	212.7	33,500										100
105				26.3	186.6	36,700	35.3	197.5	34,700	46.8	208.3	31,500	56.2	213.7	28,200							105
110				17.8	174.2	34,500	29.3	189.6	32,700	42.3	203.3	29,600	52.3	210.1	26,500							110
115							22.0	179.2	30,800	37.3	197.3	27,900	48.2	205.9	25,000							115
120							10.6	162.1	29,100	31.7	190.0	26,400	43.8	201.1	23,600							120
125										25.0	180.7	25,000	38.9	195.4	22,400	49.2	202.1	19,800				125
130										15.8	167.2	23,600	33.6	188.6	21,200	44.9	197.5	18,700				130
135													27.3	180.1	20,100	40.1	192.0	17,700				135
140													19.2	168.4	19,000	34.9	185.5	16,800	45.5	192.4	14,600	140
145																28.9	177.5	16,000	40.9	187.1	13,900	145
150																21.4	166.8	15,200	35.7	180.8	13,200	150
155																9.4	148.7	14,400	29.9	173.0	12,500	155
160																			22.7	162.9	11,900	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

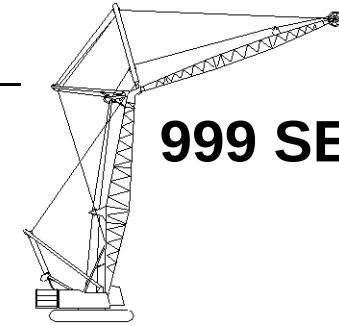
140 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.8	242.4	74,200 *b																			45
50	67.7	240.5	71,000 *b																			50
55	64.6	238.3	68,000 *																			55
60	61.4	235.7	65,200 *	69.1	240.2	73,200 *b																60
65	58.1	232.8	62,600 *	66.0	238.1	67,100 b																65
70	54.6	229.5	60,100 *	62.8	235.7	61,000	67.4	237.9	57,800 b													70
75	51.0	225.7	57,800 *	59.5	232.9	55,900	64.2	235.6	52,900													75
80	47.3	221.4	55,700 *	56.1	229.8	51,500	61.0	233.0	48,700													80
85	43.2	216.4	52,100	52.6	226.2	47,700	57.7	230.1	45,100													85
90	38.9	210.7	48,400	48.9	222.1	44,400	54.2	226.7	42,000	62.2	231.2	38,000										90
95	34.0	203.9	45,200	45.0	217.5	41,500	50.6	222.8	39,200	58.9	228.4	35,400										95
100	28.5	195.7	42,400	40.8	212.1	38,800	46.8	218.4	36,700	55.5	225.2	33,100										100
105	21.8	185.0	39,800	36.2	205.8	36,500	42.7	213.4	34,500	52.0	221.5	31,100										105
110	11.9	168.5	35,600 *	31.0	198.3	34,300	38.3	207.5	32,400	48.2	217.3	29,300	56.6	222.4	26,100							110
115				24.9	188.9	32,400	33.4	200.6	30,600	44.3	212.5	27,600	53.1	218.9	24,600							115
120				16.9	175.7	30,600	27.8	192.2	28,900	40.0	207.0	26,100	49.5	214.8	23,200							120
125							20.8	181.1	27,400	35.3	200.5	24,700	45.6	210.3	22,000							125
130							10.0	163.0	25,900	30.0	192.7	23,400	41.4	205.0	20,800	50.4	211.0	18,300				130
135										23.7	182.9	22,200	36.9	198.9	19,700	46.5	206.6	17,300				135
140										15.0	168.6	21,000	31.8	191.5	18,700	42.4	201.5	16,400				140
145													25.8	182.4	17,800	38.0	195.6	15,600	47.1	201.5	13,500	145
150													18.2	170.1	16,900	33.1	188.6	14,800	43.1	196.5	12,800	150
155																27.4	180.0	14,100	38.7	190.7	12,100	155
160																20.3	168.7	13,400	33.8	183.9	11,500	160
170																			21.5	164.8	10,400	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.6	252.9	69,300 *b																			45
50	69.9	251.2	66,800 *b																			50
55	67.1	249.2	64,500 *																			55
60	64.2	246.9	62,200 *																			60
65	61.3	244.4	60,000 *	68.3	248.9	66,300 *																65
70	58.3	241.5	57,800 *	65.4	246.8	60,900																70
75	55.1	238.2	55,700 *	62.6	244.4	55,800	66.7	246.6	52,800													75
80	51.9	234.5	53,600 *	59.6	241.6	51,500	63.9	244.3	48,700													80
85	48.5	230.3	51,700 *	56.5	238.5	47,700	60.9	241.7	45,100													85
90	44.9	225.6	48,400	53.3	235.0	44,400	57.9	238.7	41,900													90
95	41.1	220.2	45,300	50.0	231.0	41,400	54.8	235.4	39,100	62.0	239.9	35,300										95
100	37.0	214.1	42,400	46.5	226.6	38,800	51.5	231.6	36,700	59.0	237.0	33,100										100
105	32.4	206.9	39,900	42.8	221.5	36,500	48.1	227.4	34,400	55.9	233.9	31,100										105
110	27.2	198.1	37,600	38.8	215.7	34,400	44.5	222.6	32,400	52.7	230.3	29,200										110
115	20.7	186.9	35,500	34.5	209.0	32,400	40.6	217.2	30,600	49.4	226.2	27,600	56.9	231.1	24,600							115
120	11.3	169.5	32,700 *	29.5	201.0	30,700	36.5	210.9	28,900	45.9	221.7	26,100	53.8	227.6	23,200							120
125				23.7	191.0	29,100	31.8	203.5	27,400	42.1	216.5	24,700	50.5	223.7	21,900							125
130				16.1	177.2	27,600	26.5	194.6	26,000	38.1	210.6	23,400	47.0	219.3	20,800							130
135							19.8	182.9	24,700	33.6	203.6	22,200	43.3	214.4	19,700	51.3	219.8	17,300				135
140							9.6	163.8	23,500	28.6	195.3	21,100	39.4	208.7	18,700	47.9	215.6	16,400				140
145										22.5	184.9	20,100	35.1	202.1	17,800	44.2	210.8	15,600				145
150										14.3	169.9	19,100	30.3	194.3	17,000	40.4	205.3	14,800				150
155													24.6	184.7	16,200	36.2	198.9	14,100	44.8	205.7	12,100	155
160													17.3	171.6	15,400	31.5	191.5	13,400	41.0	200.3	11,500	160
170																19.3	170.4	12,200	32.2	186.9	10,400	170
180																			20.5	166.7	9,400	180

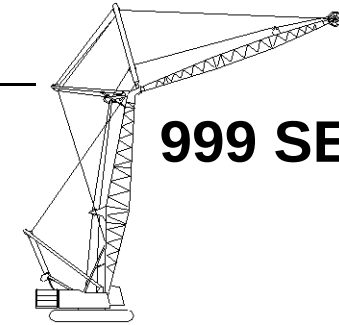
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

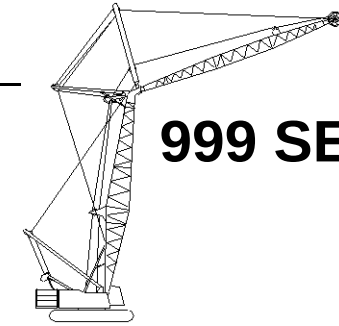
140 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.1	263.3	56,400 *b																			45
50	71.6	261.8	55,300 *b																			50
55	69.1	260.0	54,300 *																			55
60	66.5	257.9	53,200 *																			60
65	63.9	255.6	51,200 *	70.2	259.6	55,600 *																65
70	61.2	253.0	49,300 *	67.6	257.7	54,500 *																70
75	58.4	250.1	47,400 *	65.0	255.5	52,600 *																75
80	55.6	246.9	45,600 *	62.3	253.0	50,800 *	66.2	255.3	48,300													80
85	52.6	243.3	43,900 *	59.6	250.3	47,400	63.5	253.0	44,700													85
90	49.5	239.2	42,300 *	56.8	247.2	44,100	60.8	250.3	41,600													90
95	46.3	234.7	40,800 *	53.9	243.7	41,100	58.1	247.4	38,800													95
100	42.9	229.6	39,300 *	50.9	239.9	38,500	55.2	244.1	36,300	61.9	248.5	32,700										100
105	39.3	223.9	38,000 *	47.7	235.6	36,200	52.2	240.4	34,100	59.1	245.7	30,700										105
110	35.4	217.3	36,800 *	44.4	230.7	34,100	49.2	236.3	32,100	56.3	242.5	28,800										110
115	31.0	209.7	35,300	40.9	225.3	32,200	45.9	231.8	30,300	53.4	239.0	27,200										115
120	26.0	200.5	33,400	37.1	219.1	30,400	42.5	226.6	28,600	50.3	235.1	25,700	57.2	239.7	22,800							120
125	19.9	188.7	31,600	32.9	212.0	28,800	38.8	220.8	27,100	47.2	230.7	24,300	54.3	236.3	21,500							125
130	10.8	170.4	28,900 *	28.3	203.6	27,400	34.9	214.1	25,700	43.8	225.8	23,100	51.3	232.5	20,400							130
135				22.7	193.1	26,000	30.4	206.3	24,500	40.2	220.2	21,900	48.2	228.3	19,400							135
140				15.4	178.6	24,700	25.3	196.9	23,300	36.4	213.9	20,800	44.9	223.6	18,400	52.1	228.6	16,000				140
145							19.0	184.6	22,100	32.2	206.6	19,800	41.4	218.2	17,500	49.0	224.5	15,200				145
150							9.1	164.6	21,100	27.3	197.8	18,900	37.7	212.2	16,600	45.7	219.9	14,400				150
155										21.6	186.8	18,000	33.6	205.2	15,800	42.3	214.7	13,700				155
160										13.7	171.1	17,100	29.0	196.9	15,100	38.6	208.9	13,100	46.2	214.8	11,100	160
170													16.6	173.1	13,700	30.1	194.2	11,800	39.2	204.0	10,000	170
180																18.5	172.1	10,700	30.8	189.7	9,000	180
190																			19.6	168.4	8,100	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	273.7	52,800 *b																			45
50	73.1	272.3	51,800 *																			50
55	70.7	270.6	50,900 *																			55
60	68.4	268.8	49,200 *																			60
65	66.0	266.7	47,400 *																			65
70	63.6	264.3	45,600 *	69.4	268.5	50,300 *																70
75	61.1	261.7	43,900 *	67.0	266.5	48,600 *																75
80	58.5	258.8	42,300 *	64.6	264.2	46,900 *																80
85	55.9	255.6	40,700 *	62.2	261.7	45,200 *	65.7	264.0	44,500													85
90	53.2	252.0	39,200 *	59.6	258.9	43,600 *	63.3	261.7	41,300													90
95	50.4	248.1	37,800 *	57.1	255.8	40,900	60.8	259.0	38,500													95
100	47.5	243.7	36,400 *	54.4	252.4	38,300	58.2	256.1	36,100													100
105	44.4	238.9	35,100 *	51.6	248.7	36,000	55.6	252.8	33,900	61.7	257.2	30,400										105
110	41.2	233.5	33,800 *	48.8	244.5	33,900	52.9	249.2	31,900	59.2	254.4	28,600										110
115	37.7	227.4	32,700 *	45.8	239.9	32,000	50.1	245.2	30,100	56.6	251.2	26,900										115
120	33.9	220.5	31,600 *	42.6	234.7	30,200	47.1	240.8	28,400	53.9	247.8	25,400										120
125	29.8	212.4	30,600 *	39.2	229.0	28,600	44.0	235.9	26,900	51.1	243.9	24,100	57.4	248.4	21,300							125
130	25.0	202.7	29,700 *	35.6	222.4	27,200	40.8	230.4	25,500	48.2	239.7	22,800	54.8	245.0	20,100							130
135	19.1	190.4	28,400	31.6	214.9	25,800	37.3	224.2	24,300	45.2	235.0	21,600	52.0	241.3	19,100							135
140	10.4	171.4	26,200 *	27.1	206.0	24,600	33.4	217.2	23,100	42.0	229.7	20,600	49.2	237.2	18,100							140
145				21.8	195.0	23,400	29.2	209.0	22,000	38.6	223.8	19,600	46.2	232.7	17,200	52.7	237.4	14,900				145
150				14.8	179.9	22,300	24.3	199.1	20,900	34.9	217.1	18,600	43.0	227.6	16,400	49.9	233.4	14,200				150
155							18.2	186.2	20,000	30.9	209.4	17,800	39.7	221.9	15,600	46.9	229.0	13,400				155
160							8.8	165.4	19,000	26.3	200.2	17,000	36.1	215.5	14,900	43.8	224.0	12,800				160
170										13.1	172.3	15,400	27.8	199.5	13,500	37.0	212.3	11,600	44.3	219.0	9,700	170
180													15.9	174.6	12,300	28.9	196.9	10,500	37.6	207.4	8,800	180
190																17.8	173.7	9,500	29.6	192.4	7,900	190
200																			18.8	170.1	7,100	200

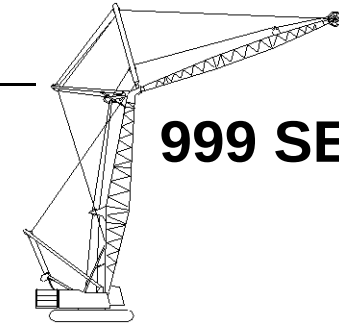
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

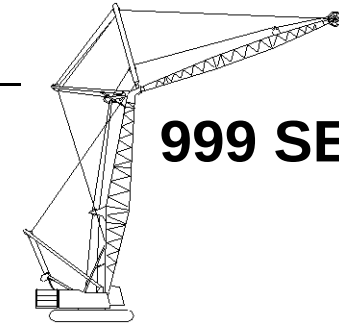
140 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	282.7	48,300 *																			50
55	72.2	281.2	47,100 *																			55
60	70.0	279.5	45,300 *																			60
65	67.8	277.5	43,600 *																			65
70	65.6	275.4	42,000 *	70.9	279.1	46,200 *																70
75	63.3	273.0	40,300 *	68.8	277.2	44,600 *																75
80	61.0	270.4	38,800 *	66.6	275.2	43,000 *																80
85	58.6	267.4	37,200 *	64.3	272.9	41,500 *	67.5	274.9	43,500 *													85
90	56.2	264.3	35,800 *	62.0	270.4	39,900 *	65.3	272.8	41,000 *													90
95	53.7	260.7	34,400 *	59.7	267.6	38,400 *	63.0	270.3	38,200 *													95
100	51.1	256.9	33,000 *	57.3	264.5	36,900 *	60.7	267.7	35,700 *													100
105	48.4	252.7	31,700 *	54.8	261.1	35,500 *	58.3	264.7	33,500 *													105
110	45.7	248.0	30,500 *	52.3	257.5	33,600 *	55.9	261.5	31,500 *	61.6	265.9	28,200 *										110
115	42.7	242.9	29,300 *	49.6	253.4	31,700 *	53.4	257.9	29,700 *	59.2	263.0	26,600 *										115
120	39.6	237.2	28,200 *	46.9	248.9	29,900 *	50.8	254.1	28,100 *	56.8	259.9	25,100 *										120
125	36.3	230.7	27,200 *	44.0	244.0	28,400 *	48.1	249.8	26,600 *	54.4	256.5	23,700 *										125
130	32.7	223.5	26,200 *	41.0	238.5	26,900 *	45.3	245.1	25,200 *	51.8	252.7	22,400 *	57.6	257.1	19,700 *							130
135	28.6	215.0	25,200 *	37.7	232.5	25,600 *	42.3	239.9	24,000 *	49.1	248.6	21,300 *	55.1	253.7	18,700 *							135
140	24.0	204.9	24,400 *	34.3	225.6	24,300 *	39.2	234.1	22,800 *	46.4	244.1	20,200 *	52.6	250.1	17,700 *							140
145	18.4	192.0	23,700 *	30.4	217.7	23,200 *	35.9	227.6	21,700 *	43.5	239.0	19,200 *	50.0	246.1	16,800 *							145
150	10.0	172.3	23,100 *	26.1	208.4	22,100 *	32.2	220.1	20,700 *	40.4	233.5	18,300 *	47.3	241.7	16,000 *							150
155				21.0	196.9	21,100 *	28.1	211.5	19,700 *	37.1	227.3	17,500 *	44.4	236.8	15,200 *	50.6	242.2	13,000 *				155
160				14.2	181.2	20,100 *	23.4	201.2	18,800 *	33.6	220.2	16,600 *	41.4	231.5	14,500 *	47.9	237.9	12,400 *				160
170							8.5	166.2	17,100 *	25.3	202.5	15,200 *	34.8	218.7	13,200 *	42.2	228.0	11,200 *				170
180										12.7	173.4	13,800 *	26.8	201.9	12,000 *	35.6	215.6	10,200 *	42.6	223.0	8,400 *	180
190													15.4	175.9	10,900 *	27.8	199.4	9,200 *	36.1	210.8	7,500 *	190
200																17.1	175.2	8,300 *	28.5	195.0	6,800 *	200
210																			18.1	171.7	6,100 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	293.0	45,000 *																			50
55	73.4	291.7	43,500 *																			55
60	71.4	290.1	42,000 *																			60
65	69.4	288.3	40,400 *																			65
70	67.3	286.3	38,800 *																			70
75	65.2	284.1	37,300 *	70.2	287.9	41,200 *																75
80	63.1	281.7	35,800 *	68.2	286.0	39,700 *																80
85	60.9	279.0	34,300 *	66.1	283.9	38,200 *																85
90	58.7	276.1	32,900 *	64.0	281.6	36,800 *	67.1	283.7	38,600 *													90
95	56.5	272.9	31,600 *	61.9	279.0	35,300 *	65.0	281.5	37,300 *													95
100	54.1	269.5	30,300 *	59.7	276.2	33,900 *	62.8	279.0	35,600 *													100
105	51.7	265.7	29,000 *	57.5	273.2	32,500 *	60.7	276.3	33,400 *													105
110	49.3	261.6	27,800 *	55.2	269.9	31,200 *	58.5	273.4	31,400 *													110
115	46.7	257.1	26,600 *	52.8	266.2	29,900 *	56.2	270.2	29,600 *	61.5	274.5	26,400 *										115
120	44.0	252.1	25,500 *	50.4	262.3	28,700 *	53.9	266.7	28,000 *	59.3	271.7	25,000 *										120
125	41.2	246.7	24,500 *	47.8	257.9	27,500 *	51.5	262.9	26,500 *	57.0	268.6	23,600 *										125
130	38.2	240.7	23,500 *	45.2	253.2	26,400 *	49.0	258.7	25,100 *	54.7	265.2	22,300 *										130
135	35.0	234.0	22,500 *	42.4	248.0	25,300 *	46.4	254.1	23,900 *	52.4	261.5	21,200 *	57.8	265.7	18,600 *							135
140	31.5	226.3	21,600 *	39.5	242.2	24,200 *	43.7	249.2	22,700 *	49.9	257.5	20,100 *	55.5	262.4	17,600 *							140
145	27.7	217.5	20,800 *	36.4	235.8	23,100 *	40.8	243.7	21,600 *	47.4	253.1	19,100 *	53.1	258.9	16,700 *							145
150	23.2	207.0	20,000 *	33.1	228.6	22,000 *	37.8	237.6	20,600 *	44.7	248.3	18,200 *	50.7	254.9	15,900 *							150
155	17.7	193.6	19,400 *	29.4	220.3	21,000 *	34.6	230.7	19,700 *	41.9	243.0	17,400 *	48.2	250.7	15,100 *							155
160	9.7	173.1	18,800 *	25.2	210.7	20,100 *	31.1	223.0	18,800 *	39.0	237.1	16,600 *	45.6	246.0	14,400 *	51.3	251.1	12,300 *				160
170				13.7	182.4	18,400 *	22.6	203.2	17,200 *	32.4	223.2	15,100 *	39.9	235.2	13,100 *	46.2	242.3	11,100 *				170
180							8.2	166.9	15,700 *	24.4	204.7	13,800 *	33.6	221.8	11,900 *	40.7	231.7	10,100 *	46.6	237.2	8,300 *	180
190										12.2	174.5	12,600 *	25.8	204.2	10,900 *	34.4	218.7	9,100 *	41.1	226.8	7,400 *	190
200													14.8	177.3	9,900 *	26.9	201.8	8,300 *	34.9	214.0	6,700 *	200
210																16.5	176.7	7,500 *	27.5	197.5	6,000 *	210
220																			17.5	173.3	5,400 *	220

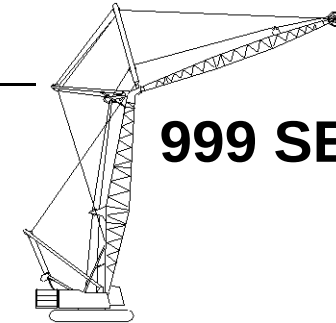
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

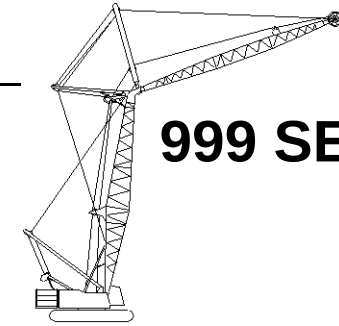
140 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	302.1	40,100 *																			55
60	72.6	300.6	38,500 *																			60
65	70.7	298.9	37,000 *																			65
70	68.8	297.1	35,500 *																			70
75	66.9	295.0	34,100 *																			75
80	64.9	292.8	32,600 *	69.6	296.7	36,200 *																80
85	62.9	290.4	31,200 *	67.7	294.8	34,900 *																85
90	60.9	287.7	29,900 *	65.8	292.6	33,500 *																90
95	58.8	284.8	28,600 *	63.8	290.3	32,100 *	66.6	292.4	33,900 *													95
100	56.7	281.6	27,300 *	61.8	287.7	30,800 *	64.7	290.2	32,600 *													100
105	54.5	278.2	26,100 *	59.7	284.9	29,400 *	62.7	287.7	31,300 *													105
110	52.3	274.5	24,900 *	57.6	281.9	28,200 *	60.6	285.0	30,000 *													110
115	50.0	270.5	23,800 *	55.5	278.6	26,900 *	58.6	282.1	28,800 *													115
120	47.6	266.1	22,700 *	53.3	275.0	25,700 *	56.4	278.9	27,500 *	61.4	283.2	24,600										120
125	45.1	261.3	21,600 *	51.0	271.1	24,500 *	54.3	275.4	26,200	59.3	280.3	23,200										125
130	42.6	256.1	20,600 *	48.7	266.9	23,400 *	52.0	271.7	24,800	57.2	277.3	22,000										130
135	39.8	250.4	19,700 *	46.2	262.3	22,400 *	49.7	267.6	23,600	55.1	273.9	20,800										135
140	37.0	244.1	18,800 *	43.7	257.3	21,300 *	47.3	263.2	22,400	52.9	270.3	19,800	57.9	274.4	17,200							140
145	33.9	237.1	17,900 *	41.0	251.8	20,400 *	44.8	258.4	21,300	50.6	266.3	18,800	55.8	271.1	16,300							145
150	30.5	229.1	17,100 *	38.2	245.7	19,400 *	42.2	253.1	20,300	48.2	262.0	17,900	53.6	267.6	15,500							150
155	26.8	219.9	16,400 *	35.2	239.0	18,500 *	39.5	247.3	19,400	45.8	257.4	17,000	51.3	263.8	14,800							155
160	22.5	209.0	15,700 *	32.0	231.5	17,700 *	36.6	240.9	18,500	43.2	252.3	16,200	49.0	259.6	14,000							160
170	9.4	174.0	14,500 *	24.4	212.9	16,200 *	30.1	225.7	16,900	37.7	240.6	14,800	44.0	250.1	12,700	49.6	255.8	10,700				170
180				13.3	183.6	14,900 *	21.9	205.2	15,500	31.4	226.0	13,500	38.6	238.7	11,600	44.7	246.5	9,700				180
190							7.9	167.6	14,100	23.6	206.8	12,300	32.5	224.7	10,500	39.3	235.4	8,800	45.0	241.4	7,000	190
200										11.8	175.6	11,300	25.0	206.5	9,600	33.3	221.7	7,900	39.7	230.5	6,300	200
210													14.4	178.5	8,700	26.0	204.2	7,200	33.7	217.1	5,600	210
220																16.0	178.1	6,400	26.6	199.9	5,000	220
230																			16.9	174.8	4,400	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.4	312.4	37,000 *																			55
60	73.6	311.0	35,600 *																			60
65	71.9	309.5	34,200 *																			65
70	70.1	307.8	32,800 *																			70
75	68.3	305.9	31,400 *																			75
80	66.5	303.8	30,000 *	70.9	307.4	33,400 *																80
85	64.6	301.5	28,700 *	69.1	305.5	32,000 *																85
90	62.7	299.0	27,400 *	67.3	303.5	30,700 *																90
95	60.8	296.3	26,100 *	65.4	301.4	29,500 *																95
100	58.9	293.4	24,900 *	63.6	299.0	28,200 *	66.2	301.2	29,900 *													100
105	56.9	290.3	23,800 *	61.7	296.4	26,900 *	64.4	298.9	28,700 *													105
110	54.9	286.9	22,600 *	59.7	293.6	25,700 *	62.5	296.4	27,500 *													110
115	52.8	283.3	21,500 *	57.8	290.5	24,500 *	60.6	293.6	26,300 *													115
120	50.6	279.3	20,500 *	55.7	287.3	23,400 *	58.6	290.7	25,100 *													120
125	48.4	275.0	19,500 *	53.7	283.7	22,300 *	56.6	287.5	23,900 *	61.3	291.9	22,900										125
130	46.1	270.4	18,500 *	51.6	279.9	21,200 *	54.6	284.1	22,800 *	59.4	289.0	21,700										130
135	43.7	265.4	17,600 *	49.4	275.8	20,200 *	52.5	280.4	21,700 *	57.4	285.9	20,600										135
140	41.2	259.9	16,700 *	47.1	271.3	19,200 *	50.4	276.4	20,700 *	55.4	282.6	19,500										140
145	38.6	254.0	15,900 *	44.8	266.5	18,200 *	48.1	272.1	19,700 *	53.3	279.0	18,500	58.0	283.1	16,100							145
150	35.8	247.4	15,100 *	42.3	261.2	17,300 *	45.8	267.5	18,700 *	51.2	275.1	17,600	56.0	279.8	15,200							150
155	32.8	240.0	14,300 *	39.7	255.5	16,400 *	43.4	262.4	17,800 *	49.0	271.0	16,800	54.0	276.3	14,500							155
160	29.6	231.8	13,600 *	37.0	249.1	15,600 *	40.9	256.9	16,900 *	46.7	266.4	16,000	51.9	272.6	13,800							160
170	21.8	211.0	12,100 *	31.0	234.3	14,100 *	35.5	244.2	15,300 *	41.9	256.2	14,500	47.4	264.1	12,500	52.4	268.6	10,400				170
180	9.1	174.8	10,600 *	23.7	215.0	12,500 *	29.1	228.4	13,800 *	36.5	243.9	13,300	42.7	254.1	11,300	48.0	260.3	9,400				180
190				12.9	184.7	10,900 *	21.2	207.1	12,100 *	30.4	228.8	12,100	37.4	242.2	10,300	43.3	250.5	8,500				190
200							7.7	168.3	10,600 *	22.9	208.9	11,100	31.5	227.6	9,400	38.1	238.9	7,700	43.6	245.5	6,000	200
210										11.5	176.6	10,100	24.2	208.7	8,500	32.2	224.7	6,900	38.5	234.0	5,400	210
220													13.9	179.8	7,700	25.2	206.4	6,200	32.7	220.0	4,800	220
230																15.5	179.5	5,600	25.8	202.2	4,200	230

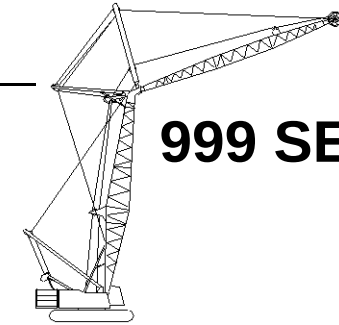
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	62.3	219.9	94,000 *b																			45
50	57.6	217.0	90,100 *b																			50
55	52.6	213.5	86,800 *b																			55
60	47.2	209.3	81,500	60.5	217.6	74,600 b																60
65	41.4	204.2	73,600	55.7	214.5	67,400 b																65
70	34.7	197.8	67,000	50.5	210.7	61,400 b	58.3	215.0	58,000 b													70
75	26.7	189.4	61,400	45.0	206.2	56,300	53.4	211.6	53,200 b													75
80	15.3	176.4	52,500 *	38.9	200.6	51,900	48.1	207.5	49,000	60.9	213.6	44,200 b										80
85				31.8	193.6	48,100	42.3	202.6	45,400	56.1	210.5	40,900 b										85
90				22.9	183.9	44,700	35.9	196.4	42,200	51.1	206.8	38,100 b										90
95				6.9	165.1	41,600	28.1	188.4	39,400	45.6	202.4	35,500										95
100							17.6	176.5	36,800	39.5	196.9	33,200	53.6	204.6	29,600 b							100
105										32.6	190.0	31,200	48.3	200.5	27,800							105
110										23.9	180.7	29,300	42.5	195.6	26,100							110
115										9.7	164.1	27,500	36.1	189.5	24,600	50.5	197.0	21,600 b				115
120													28.4	181.5	23,200	44.9	192.5	20,400				120
125													18.0	169.9	21,900	38.8	186.9	19,300				125
130																31.7	179.8	18,200	46.7	187.8	15,700	130
135																22.7	170.1	17,200	40.7	182.5	14,900	135
140																6.4	150.8	16,200	34.0	176.0	14,100	140
145																			25.7	167.3	13,300	145
150																			13.6	153.2	12,600	150

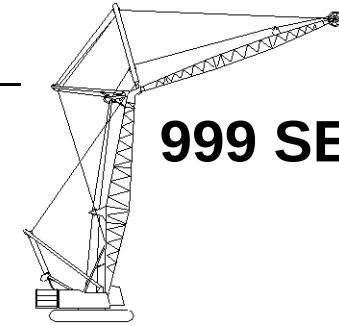
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.0	231.0	87,300 *b																			45
50	62.0	228.6	83,700 *b																			50
55	57.9	225.7	80,400 *b																			55
60	53.6	222.3	77,300 *	64.5	228.9	74,300 b																60
65	49.0	218.2	73,500	60.4	226.3	67,100 b	66.6	228.8	63,300 b													65
70	44.0	213.5	66,900	56.2	223.2	61,100 b	62.7	226.5	57,600 b													70
75	38.6	207.8	61,300	51.8	219.5	56,000	58.6	223.6	52,800 b													75
80	32.4	200.8	56,600	47.1	215.3	51,600	54.3	220.3	48,700													80
85	25.0	191.7	52,400	42.0	210.2	47,800	49.7	216.4	45,100	60.8	222.2	40,500 b										85
90	14.3	177.7	46,100 *	36.3	204.0	44,500	44.8	211.8	41,900	56.6	219.2	37,700 b										90
95				29.7	196.3	41,500	39.5	206.3	39,100	52.2	215.6	35,100										95
100				21.4	185.9	38,900	33.5	199.5	36,600	47.5	211.4	32,900										100
105				6.5	165.7	36,400	26.3	190.8	34,400	42.5	206.4	30,900	54.4	213.3	27,400							105
110							16.4	178.0	32,300	36.9	200.4	29,000	49.9	209.4	25,700							110
115										30.4	192.9	27,400	45.0	204.8	24,300							115
120										22.3	182.8	25,800	39.7	199.3	22,900	51.7	205.9	20,000				120
125										9.1	165.0	24,400	33.7	192.6	21,600	47.0	201.6	18,900				125
130													26.5	184.0	20,500	41.9	196.5	17,800				130
135													16.8	171.4	19,400	36.2	190.3	16,900				135
140																29.6	182.6	16,000	43.5	191.9	13,700	140
145																21.2	172.0	15,200	38.0	186.1	12,900	145
150																6.0	151.4	14,300	31.7	178.9	12,300	150
155																			24.1	169.5	11,600	155
160																			12.7	154.4	10,900	160

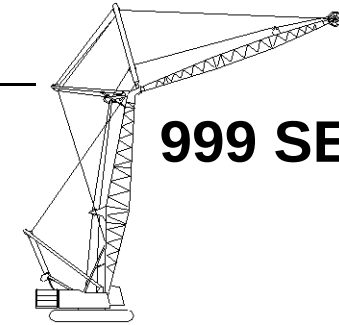
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

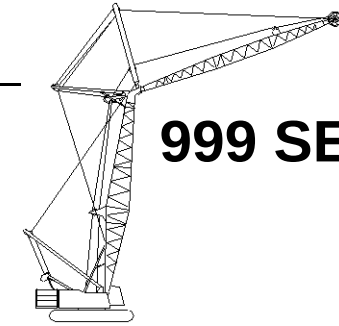
150 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.8	241.8	79,000 *b																			45
50	65.4	239.7	75,800 *b																			50
55	61.8	237.2	72,800 *b																			55
60	58.1	234.3	70,000 *	67.5	239.8	74,100 b																60
65	54.3	231.0	67,400 *	64.0	237.6	66,900 b																65
70	50.3	227.1	65,100 *	60.4	234.9	60,900	65.9	237.6	57,400 b													70
75	46.0	222.6	61,200	56.6	231.9	55,800	62.4	235.1	52,600 b													75
80	41.4	217.4	56,500	52.7	228.3	51,500	58.7	232.3	48,400													80
85	36.3	211.2	52,300	48.6	224.2	47,700	54.9	229.0	44,900													85
90	30.5	203.6	48,700	44.2	219.5	44,400	50.9	225.3	41,700	60.7	230.9	37,400 b										90
95	23.5	193.8	45,500	39.5	213.9	41,400	46.7	220.9	39,000	57.0	227.9	34,900										95
100	13.5	178.9	41,000 *	34.1	207.2	38,800	42.1	215.8	36,500	53.1	224.4	32,700										100
105				28.0	198.9	36,400	37.1	209.7	34,300	49.0	220.3	30,700										105
110				20.2	187.7	34,300	31.5	202.4	32,300	44.7	215.6	28,900	55.0	222.0	25,500							110
115				6.1	166.3	32,200	24.7	193.1	30,400	39.9	210.2	27,200	51.0	218.2	24,000							115
120							15.5	179.4	28,700	34.7	203.6	25,700	46.8	213.9	22,700							120
125										28.6	195.5	24,300	42.3	208.8	21,400	52.7	214.6	18,600				125
130										21.0	184.7	23,000	37.3	202.8	20,300	48.6	210.5	17,600				130
135										8.5	165.7	21,800	31.7	195.5	19,200	44.2	205.8	16,700				135
140													25.0	186.3	18,300	39.4	200.2	15,800				140
145													15.8	172.8	17,300	34.1	193.5	15,000	45.5	201.1	12,700	145
150																27.9	185.1	14,200	40.9	195.7	12,000	150
155																20.0	173.9	13,500	35.7	189.4	11,400	155
160																5.6	151.9	12,700	29.9	181.7	10,800	160
170																			11.9	155.5	9,700	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.0	252.5	73,800 *b																			45
50	68.0	250.6	70,700 *b																			50
55	64.8	248.4	67,800 *																			55
60	61.6	245.9	65,100 *	69.8	250.5	73,400 *b																60
65	58.3	243.0	62,500 *	66.7	248.6	66,500 b																65
70	54.9	239.7	60,100 *	63.6	246.2	60,600																70
75	51.3	235.9	57,800 *	60.3	243.6	55,500	65.3	246.3	52,200 b													75
80	47.5	231.7	55,700 *	57.0	240.5	51,100	62.1	243.8	48,100													80
85	43.5	226.8	52,100	53.5	237.1	47,400	58.8	241.0	44,500													85
90	39.2	221.1	48,500	49.8	233.1	44,100	55.4	237.7	41,400													90
95	34.4	214.4	45,300	46.0	228.6	41,100	51.9	234.1	38,600	60.7	239.5	34,500										95
100	28.9	206.3	42,400	41.9	223.4	38,500	48.1	229.9	36,200	57.3	236.5	32,300										100
105	22.3	195.9	39,900	37.4	217.4	36,200	44.2	225.1	34,000	53.8	233.1	30,300										105
110	12.8	180.0	36,500 *	32.3	210.2	34,100	39.9	219.5	32,000	50.2	229.2	28,500										110
115				26.5	201.3	32,100	35.2	213.0	30,200	46.4	224.8	26,900	55.5	230.7	23,600							115
120				19.1	189.4	30,400	29.8	205.2	28,500	42.3	219.6	25,400	52.0	227.0	22,300							120
125				5.8	166.8	28,700	23.5	195.2	27,000	37.8	213.7	24,000	48.3	222.9	21,000							125
130							14.7	180.7	25,600	32.9	206.6	22,700	44.3	218.1	19,900							130
135										27.1	198.0	21,600	40.0	212.6	18,900	49.8	219.4	16,200				135
140										19.9	186.5	20,500	35.3	206.1	17,900	45.9	214.9	15,400				140
145										8.1	166.5	19,400	30.0	198.3	17,000	41.8	209.7	14,600				145
150													23.7	188.4	16,200	37.3	203.6	13,900	47.1	210.1	11,600	150
155													15.0	174.2	15,400	32.3	196.4	13,200	43.1	205.1	11,000	155
160																26.4	187.5	12,500	38.7	199.4	10,400	160
170																5.3	152.3	11,200	28.3	184.2	9,400	170
180																			11.3	156.5	8,400	180

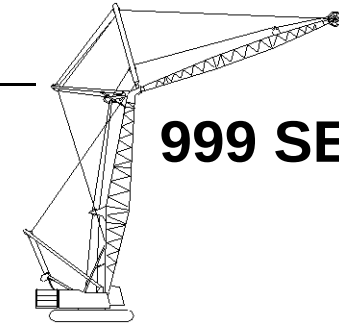
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

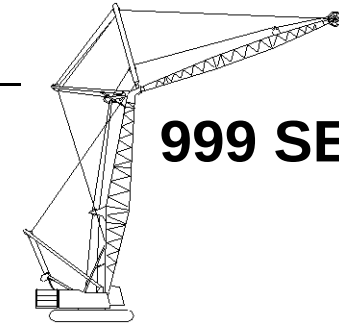
150 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.8	263.0	68,700 *b																			45
50	70.1	261.3	66,300 *b																			50
55	67.3	259.4	64,000 *																			55
60	64.4	257.1	61,900 *																			60
65	61.5	254.6	59,800 *	69.0	259.3	66,200 *b																65
70	58.5	251.7	57,700 *	66.1	257.3	60,500																70
75	55.4	248.4	55,600 *	63.3	254.9	55,400	67.7	257.2	52,100													75
80	52.1	244.7	53,600 *	60.3	252.2	51,100	64.9	255.0	48,000													80
85	48.8	240.6	51,700 *	57.3	249.2	47,300	61.9	252.5	44,500													85
90	45.2	235.9	48,500	54.1	245.8	44,000	58.9	249.6	41,300													90
95	41.4	230.6	45,300	50.8	242.0	41,100	55.9	246.4	38,600													95
100	37.3	224.5	42,500	47.4	237.6	38,500	52.6	242.8	36,100	60.6	248.2	32,200										100
105	32.7	217.4	39,900	43.7	232.7	36,200	49.3	238.8	33,900	57.6	245.2	30,200										105
110	27.6	208.8	37,600	39.8	227.1	34,100	45.8	234.2	32,000	54.4	241.8	28,400										110
115	21.3	197.8	35,500	35.6	220.6	32,200	42.0	229.0	30,200	51.1	238.0	26,800										115
120	12.2	181.1	33,600 *	30.8	213.0	30,400	38.0	223.1	28,500	47.7	233.8	25,300	56.0	239.4	22,200							120
125				25.3	203.6	28,800	33.5	216.1	27,000	44.1	228.9	24,000	52.7	235.8	21,000							125
130				18.2	191.1	27,400	28.4	207.8	25,600	40.2	223.4	22,700	49.4	231.8	19,900							130
135				5.5	167.3	25,900	22.3	197.2	24,300	36.0	217.0	21,600	45.9	227.2	18,900							135
140							14.0	182.0	23,100	31.3	209.5	20,500	42.1	222.0	17,900	50.8	228.3	15,400				140
145										25.8	200.3	19,500	38.1	216.1	17,000	47.3	223.9	14,600				145
150										19.0	188.2	18,600	33.6	209.2	16,200	43.7	219.0	13,800				150
155										7.7	167.1	17,700	28.6	200.9	15,400	39.8	213.4	13,200				155
160													22.6	190.5	14,700	35.5	206.9	12,500	44.8	214.4	10,400	160
170																25.2	189.8	11,300	36.8	202.8	9,400	170
180																5.1	152.8	10,200	27.0	186.7	8,400	180
190																			10.8	157.5	7,600	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.3	273.4	55,600 *b																			45
50	71.8	271.9	54,500 *b																			50
55	69.2	270.1	53,500 *																			55
60	66.7	268.1	52,600 *																			60
65	64.0	265.8	51,100 *	70.8	270.0	54,900 *b																65
70	61.4	263.2	49,200 *	68.2	268.1	54,200 *																70
75	58.6	260.3	47,400 *	65.6	266.0	52,800 *																75
80	55.8	257.1	45,600 *	63.0	263.6	50,800	67.1	265.9	47,600													80
85	52.8	253.5	43,900 *	60.3	260.9	47,000	64.5	263.7	44,100													85
90	49.8	249.5	42,300 *	57.5	257.9	43,700	61.8	261.1	41,000													90
95	46.6	245.0	40,800 *	54.6	254.5	40,800	59.0	258.3	38,200													95
100	43.2	240.0	39,400 *	51.6	250.8	38,200	56.2	255.1	35,800													100
105	39.6	234.3	38,100 *	48.5	246.6	35,900	53.3	251.6	33,600	60.5	256.9	29,800										105
110	35.6	227.8	36,900 *	45.2	241.9	33,800	50.2	247.7	31,600	57.8	253.9	28,100										110
115	31.3	220.3	35,300	41.8	236.6	31,900	47.1	243.3	29,800	54.9	250.6	26,400										115
120	26.4	211.2	33,400	38.1	230.7	30,200	43.7	238.3	28,200	51.9	246.8	25,000										120
125	20.3	199.6	31,700	34.0	223.8	28,600	40.1	232.8	26,700	48.8	242.7	23,600	56.3	248.1	20,600							125
130	11.7	182.2	29,600 *	29.5	215.7	27,100	36.3	226.4	25,400	45.6	238.1	22,400	53.4	244.6	19,500							130
135				24.2	205.8	25,800	32.0	219.0	24,100	42.1	232.9	21,300	50.3	240.6	18,500							135
140				17.4	192.6	24,500	27.2	210.2	22,900	38.4	227.0	20,200	47.2	236.3	17,500							140
145				5.3	167.8	23,300	21.4	199.2	21,800	34.4	220.2	19,200	43.8	231.3	16,700	51.6	237.1	14,200				145
150							13.4	183.2	20,800	29.9	212.2	18,300	40.3	225.8	15,800	48.5	232.9	13,400				150
155										24.7	202.6	17,400	36.4	219.5	15,100	45.2	228.2	12,800				155
160										18.2	189.8	16,600	32.2	212.1	14,400	41.7	222.9	12,100				160
170													21.6	192.4	13,000	33.9	210.0	11,000	42.8	218.4	9,000	170
180																24.1	192.0	9,900	35.2	206.0	8,100	180
190																4.9	153.2	8,900	25.8	189.0	7,200	190
200																			10.3	158.4	6,400	200

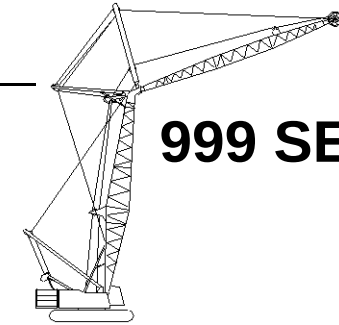
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	283.8	52,000 *b																			45
50	73.2	282.4	51,100 *b																			50
55	70.9	280.8	50,200 *																			55
60	68.6	278.9	49,000 *																			60
65	66.2	276.8	47,200 *																			65
70	63.7	274.5	45,500 *	70.0	278.8	50,300 *																70
75	61.3	271.9	43,800 *	67.6	276.9	48,700 *																75
80	58.7	269.0	42,200 *	65.2	274.7	47,100 *																80
85	56.1	265.8	40,700 *	62.8	272.3	45,400 *	66.5	274.7	43,800													85
90	53.4	262.3	39,200 *	60.3	269.6	43,500	64.1	272.4	40,700													90
95	50.6	258.4	37,800 *	57.7	266.5	40,600	61.6	269.8	38,000													95
100	47.7	254.0	36,500 *	55.0	263.2	38,000	59.1	267.0	35,500													100
105	44.6	249.2	35,200 *	52.3	259.5	35,700	56.5	263.8	33,400	63.0	268.2	29,600										105
110	41.4	243.9	33,900 *	49.5	255.5	33,600	53.8	260.3	31,400	60.5	265.5	27,800										110
115	37.9	237.8	32,800 *	46.5	251.0	31,700	51.0	256.5	29,600	57.9	262.6	26,200										115
120	34.2	231.0	31,700 *	43.4	246.0	30,000	48.1	252.2	28,000	55.3	259.3	24,700										120
125	30.1	223.0	30,700 *	40.1	240.4	28,400	45.1	247.5	26,500	52.6	255.6	23,400										125
130	25.3	213.5	29,500 *	36.5	234.0	26,900	41.9	242.2	25,100	49.7	251.6	22,100	56.6	256.8	19,200							130
135	19.5	201.4	28,100 *	32.6	226.8	25,600	38.5	236.3	23,900	46.8	247.1	21,000	53.9	253.3	18,200							135
140	11.2	183.2	26,900 *	28.3	218.3	24,400	34.8	229.6	22,700	43.7	242.2	20,000	51.1	249.5	17,300							140
145				23.2	207.9	23,200	30.7	221.8	21,600	40.4	236.6	19,000	48.2	245.2	16,400							145
150				16.7	194.1	22,100	26.1	212.6	20,600	36.9	230.4	18,100	45.2	240.5	15,600	52.3	245.9	13,100				150
155				5.1	168.2	21,100	20.5	201.0	19,700	33.0	223.2	17,200	42.0	235.3	14,800	49.4	241.8	12,500				155
160							12.9	184.3	18,700	28.7	214.9	16,400	38.6	229.4	14,100	46.5	237.3	11,900				160
170										17.5	191.4	15,000	30.9	215.0	12,800	40.0	226.6	10,700	47.4	232.5	8,700	170
180													20.7	194.3	11,700	32.6	213.0	9,700	41.0	222.2	7,800	180
190																23.1	194.1	8,800	33.8	209.1	7,000	190
200																4.7	153.7	7,900	24.8	191.3	6,300	200
210																			9.9	159.3	5,500	210

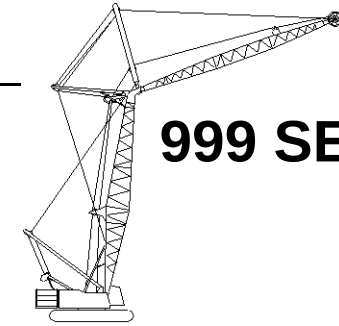
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	292.8	47,600 *																			50
55	72.3	291.3	46,800 *																			55
60	70.2	289.6	45,100 *																			60
65	68.0	287.7	43,500 *																			65
70	65.7	285.5	41,900 *																			70
75	63.5	283.2	40,300 *	69.3	287.6	44,700 *																75
80	61.2	280.5	38,700 *	67.1	285.6	43,200 *																80
85	58.8	277.7	37,300 *	64.9	283.4	41,700 *																85
90	56.4	274.5	35,800 *	62.6	280.9	40,200 *	66.1	283.4	40,400													90
95	53.9	271.0	34,400 *	60.2	278.2	38,700 *	63.8	281.1	37,600													95
100	51.3	267.2	33,100 *	57.9	275.2	37,200 *	61.5	278.5	35,200													100
105	48.6	263.0	31,800 *	55.4	271.9	35,400	59.2	275.6	33,000													105
110	45.8	258.4	30,600 *	52.9	268.3	33,300	56.8	272.5	31,000	62.8	276.9	27,400										110
115	42.9	253.2	29,400 *	50.3	264.3	31,400	54.3	269.1	29,300	60.5	274.2	25,800										115
120	39.8	247.6	28,300 *	47.6	260.0	29,700	51.7	265.3	27,700	58.1	271.2	24,300										120
125	36.5	241.2	27,300 *	44.7	255.2	28,100	49.1	261.2	26,200	55.6	268.0	23,000										125
130	32.9	234.0	26,300 *	41.7	249.9	26,700	46.3	256.6	24,800	53.1	264.4	21,800										130
135	28.9	225.6	25,300 *	38.6	243.9	25,300	43.4	251.6	23,600	50.5	260.4	20,700	56.8	265.5	17,800							135
140	24.4	215.7	24,500 *	35.1	237.3	24,100	40.3	246.0	22,400	47.8	256.1	19,600	54.4	262.0	16,900							140
145	18.8	203.1	23,800 *	31.4	229.6	23,000	37.0	239.7	21,300	45.0	251.4	18,600	51.8	258.3	16,000							145
150	10.8	184.2	23,200 *	27.2	220.7	21,900	33.5	232.7	20,300	42.0	246.1	17,700	49.1	254.1	15,200							150
155				22.3	209.9	20,900	29.6	224.5	19,400	38.9	240.2	16,900	46.4	249.6	14,500	52.8	254.6	12,100				155
160				16.1	195.6	19,900	25.1	214.9	18,500	35.5	233.6	16,100	43.5	244.6	13,800	50.2	250.7	11,400				160
170							12.4	185.4	16,900	27.7	217.4	14,700	37.2	232.8	12,500	44.7	241.5	10,300				170
180										16.8	192.9	13,400	29.7	217.7	11,300	38.5	230.2	9,300	45.5	236.8	7,400	180
190													20.0	196.1	10,300	31.3	215.9	8,400	39.5	225.9	6,600	190
200																22.3	196.1	7,600	32.5	212.1	5,900	200
210																4.5	154.1	6,800	23.8	193.4	5,200	210
220																			9.6	160.1	4,600	220

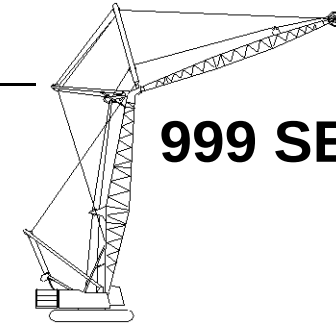
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

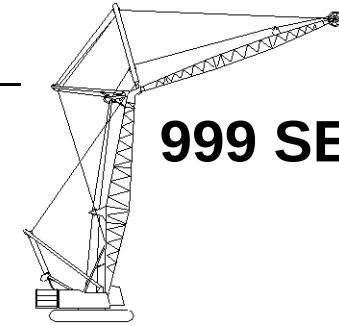
150 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	303.1	44,400 *																			50
55	73.5	301.7	43,300 *																			55
60	71.5	300.2	41,700 *																			60
65	69.5	298.4	40,200 *																			65
70	67.5	296.4	38,700 *																			70
75	65.4	294.3	37,200 *	70.7	298.3	41,200 *																75
80	63.2	291.8	35,700 *	68.7	296.4	39,800 *																80
85	61.1	289.2	34,300 *	66.6	294.4	38,400 *																85
90	58.9	286.3	32,900 *	64.5	292.1	37,000 *	67.8	294.3	38,800 *													90
95	56.6	283.2	31,600 *	62.4	289.6	35,600 *	65.7	292.1	37,500 *													95
100	54.3	279.7	30,300 *	60.2	286.9	34,200 *	63.6	289.7	35,100 *													100
105	51.9	276.0	29,100 *	58.0	283.9	32,800 *	61.4	287.1	32,900 *													105
110	49.5	271.9	27,900 *	55.7	280.6	31,500 *	59.2	284.3	30,900 *													110
115	46.9	267.4	26,700 *	53.4	277.1	30,300 *	57.0	281.2	29,200 *	62.6	285.6	25,700 *										115
120	44.2	262.5	25,600 *	51.0	273.2	29,000 *	54.7	277.8	27,600 *	60.4	282.8	24,200 *										120
125	41.4	257.1	24,600 *	48.5	268.9	27,800 *	52.3	274.1	26,100 *	58.2	279.9	22,900 *										125
130	38.4	251.1	23,600 *	45.8	264.3	26,600 *	49.8	270.0	24,700 *	55.9	276.6	21,700 *										130
135	35.2	244.4	22,600 *	43.1	259.2	25,300 *	47.3	265.6	23,500 *	53.6	273.1	20,500 *										135
140	31.8	236.9	21,700 *	40.2	253.6	24,000 *	44.6	260.8	22,300 *	51.2	269.3	19,500 *	57.1	274.1	16,800 *							140
145	27.9	228.2	20,900 *	37.2	247.4	22,900 *	41.8	255.5	21,300 *	48.7	265.1	18,500 *	54.7	270.7	15,900 *							145
150	23.5	217.8	20,100 *	33.9	240.4	21,800 *	38.9	249.6	20,300 *	46.1	260.5	17,700 *	52.4	267.1	15,100 *							150
155	18.2	204.7	19,400 *	30.3	232.4	20,800 *	35.7	243.0	19,300 *	43.4	255.4	16,800 *	49.9	263.0	14,400 *							155
160	10.4	185.1	18,900 *	26.3	223.1	19,900 *	32.3	235.6	18,500 *	40.5	249.9	16,000 *	47.4	258.6	13,700 *							160
170				15.6	197.0	18,200 *	24.3	217.1	16,900 *	34.2	236.8	14,600 *	41.9	248.5	12,400 *	48.4	255.3	10,200 *				170
180							12.0	186.5	15,400 *	26.7	219.8	13,300 *	35.9	236.1	11,300 *	43.1	245.5	9,200 *				180
190										16.3	194.4	12,200 *	28.7	220.3	10,300 *	37.1	233.6	8,300 *	43.9	240.9	6,500 *	190
200													19.3	197.8	9,300 *	30.3	218.6	7,500 *	38.1	229.4	5,800 *	200
210																21.5	198.0	6,800 *	31.4	215.0	5,200 *	210
220																4.3	154.4	6,100 *	23.0	195.5	4,600 *	220
230																			9.2	160.9	4,000 *	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

150 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.6	312.1	39,900 *																			55
60	72.7	310.7	38,400 *																			60
65	70.8	309.0	36,900 *																			65
70	68.9	307.2	35,400 *																			70
75	67.0	305.2	34,000 *																			75
80	65.0	303.0	32,600 *	70.1	307.1	36,400 *																80
85	63.0	300.5	31,200 *	68.2	305.2	35,000 *																85
90	61.0	297.9	29,900 *	66.2	303.1	33,700 *																90
95	59.0	295.0	28,600 *	64.3	300.8	32,400 *	67.3	303.0	34,200 *													95
100	56.8	291.8	27,300 *	62.3	298.3	31,000 *	65.3	300.8	32,900 *													100
105	54.7	288.4	26,100 *	60.2	295.5	29,700 *	63.4	298.4	31,700 *													105
110	52.4	284.7	25,000 *	58.1	292.6	28,500 *	61.3	295.8	30,400 *													110
115	50.2	280.7	23,800 *	56.0	289.3	27,200 *	59.3	292.9	28,800 *													115
120	47.8	276.4	22,800 *	53.8	285.8	26,000 *	57.2	289.8	27,200 *	62.4	294.2	23,800 *										120
125	45.3	271.7	21,700 *	51.6	282.0	24,900 *	55.0	286.5	25,700 *	60.4	291.5	22,500 *										125
130	42.7	266.5	20,700 *	49.2	277.8	23,700 *	52.8	282.8	24,400 *	58.3	288.5	21,300 *										130
135	40.0	260.8	19,800 *	46.8	273.4	22,700 *	50.5	278.9	23,200 *	56.2	285.3	20,200 *										135
140	37.2	254.5	18,900 *	44.3	268.4	21,600 *	48.2	274.6	22,000 *	54.0	281.8	19,100 *										140
145	34.1	247.6	18,000 *	41.7	263.1	20,700 *	45.7	269.9	20,900 *	51.8	278.1	18,200 *	57.2	282.8	15,500 *							145
150	30.7	239.7	17,200 *	38.9	257.2	19,700 *	43.1	264.8	20,000 *	49.5	274.0	17,300 *	55.1	279.5	14,700 *							150
155	27.0	230.6	16,500 *	36.0	250.7	18,800 *	40.5	259.2	19,000 *	47.1	269.5	16,500 *	52.9	275.8	14,000 *							155
160	22.8	219.9	15,800 *	32.8	243.4	18,000 *	37.6	253.1	18,200 *	44.6	264.6	15,700 *	50.6	271.9	13,300 *							160
170	10.1	186.0	14,600 *	25.4	225.4	16,400 *	31.3	238.5	16,600 *	39.2	253.5	14,300 *	45.8	262.9	12,000 *	51.5	268.3	9,800 *				170
180				15.1	198.3	15,100 *	23.5	219.2	15,200 *	33.1	239.8	13,000 *	40.5	252.3	10,900 *	46.8	259.7	8,800 *				180
190							11.6	187.5	13,900 *	25.8	222.1	11,900 *	34.7	239.3	9,900 *	41.6	249.4	8,000 *	47.5	254.9	6,100 *	190
200										15.7	195.8	10,900 *	27.8	222.8	9,000 *	35.9	236.9	7,200 *	42.5	244.8	5,400 *	200
210													18.7	199.5	8,200 *	29.3	221.3	6,500 *	36.8	232.8	4,800 *	210
220																20.8	199.9	5,800 *	30.4	217.7	4,200 *	220
230																4.2	154.8	5,100 *				230

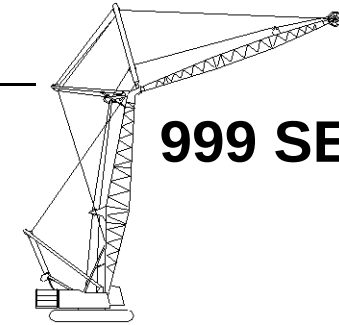
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

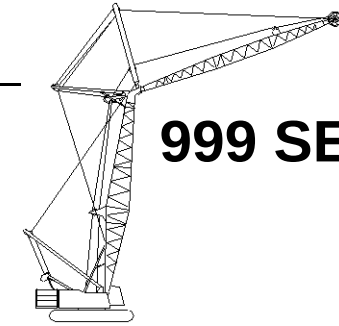
150 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.5	322.5	36,800 *																			55
60	73.8	321.1	35,400 *																			60
65	72.0	319.6	34,100 *																			65
70	70.2	317.9	32,700 *																			70
75	68.4	316.0	31,300 *																			75
80	66.6	313.9	30,000 *																			80
85	64.8	311.7	28,700 *	69.5	315.9	32,200 *																85
90	62.9	309.2	27,400 *	67.7	314.0	30,900 *																90
95	61.0	306.5	26,200 *	65.9	311.8	29,700 *																95
100	59.0	303.6	25,000 *	64.0	309.5	28,400 *	66.9	311.8	30,200 *													100
105	57.0	300.5	23,800 *	62.1	306.9	27,200 *	65.0	309.5	29,000 *													105
110	55.0	297.1	22,700 *	60.2	304.2	26,000 *	63.2	307.1	27,800 *													110
115	52.9	293.5	21,600 *	58.2	301.2	24,800 *	61.3	304.5	26,600 *													115
120	50.8	289.6	20,600 *	56.2	298.0	23,700 *	59.3	301.6	25,500 *													120
125	48.6	285.3	19,600 *	54.2	294.5	22,600 *	57.3	298.5	24,300 *	62.3	302.9	22,200										125
130	46.3	280.7	18,600 *	52.1	290.8	21,500 *	55.3	295.2	23,200 *	60.4	300.2	21,000										130
135	43.9	275.8	17,700 *	49.9	286.7	20,400 *	53.2	291.6	22,100 *	58.4	297.2	19,900										135
140	41.4	270.3	16,800 *	47.7	282.3	19,400 *	51.1	287.7	21,100 *	56.4	294.0	18,900										140
145	38.8	264.4	16,000 *	45.3	277.6	18,500 *	48.9	283.5	20,100 *	54.4	290.6	17,900										145
150	36.0	257.8	15,200 *	42.9	272.4	17,600 *	46.6	279.0	19,100 *	52.3	286.8	17,000	57.4	291.5	14,400							150
155	33.0	250.6	14,400 *	40.4	266.8	16,700 *	44.3	274.1	18,200 *	50.1	282.8	16,200	55.4	288.2	13,700							155
160	29.8	242.4	13,700 *	37.7	260.7	15,900 *	41.8	268.7	17,300 *	47.9	278.5	15,400	53.3	284.6	13,000							160
170	22.1	221.8	12,200 *	31.8	246.3	14,300 *	36.5	256.4	15,600 *	43.2	268.7	14,000	49.0	276.5	11,700							170
180	9.8	186.9	10,700 *	24.7	227.6	12,800 *	30.3	241.2	14,100 *	38.0	257.0	12,800	44.3	267.1	10,600	49.9	273.0	8,600				180
190				14.6	199.6	11,200 *	22.8	221.2	12,500 *	32.1	242.7	11,700	39.3	255.9	9,700	45.3	263.9	7,700				190
200							11.2	188.5	10,900 *	25.1	224.4	10,700	33.6	242.4	8,800	40.3	253.1	6,900	46.0	259.2	5,100	200
210										15.3	197.1	9,700	26.9	225.2	8,000	34.8	240.1	6,200	41.1	248.7	4,500	210
220													18.1	201.1	7,200	28.4	223.9	5,500				220
230																20.2	201.7	4,900				230
240																4.1	155.2	4,300				240

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

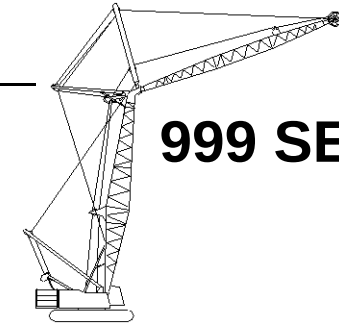
160 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	57.9	227.2	89,900 *b																			50
55	53.0	223.8	86,600 *b																			55
60	47.6	219.6	81,400	61.6	228.2	74,000 b																60
65	41.8	214.6	73,600	56.9	225.2	66,800 b																65
70	35.2	208.3	67,000	51.8	221.6	60,900 b	60.0	225.9	57,100 b													70
75	27.4	200.1	61,400	46.4	217.3	55,800	55.1	222.7	52,400 b													75
80	16.4	187.6	53,800 *	40.5	212.0	51,400	50.0	218.9	48,300 b													80
85				33.7	205.4	47,600	44.4	214.2	44,700	58.7	221.8	39,900 b										85
90				25.3	196.6	44,300	38.2	208.5	41,600	53.7	218.5	37,100 b										90
95				12.8	182.1	41,300	31.0	201.3	38,800	48.5	214.4	34,600										95
100							21.8	191.2	36,300	42.7	209.5	32,400	57.0	216.3	28,400 b							100
105										36.3	203.5	30,400	51.9	212.8	26,700 b							105
110										28.7	195.6	28,600	46.5	208.4	25,100							110
115										18.4	184.1	26,900	40.6	203.2	23,600							115
120													33.8	196.6	22,300	49.6	205.5	19,200				120
125													25.5	187.8	21,000	44.0	200.8	18,100				125
130													13.2	173.6	19,900	37.8	195.0	17,100				130
135																30.5	187.6	16,200		46.7	196.4	13,600
140																21.0	177.2	15,300		40.7	191.2	12,900
145																				34.0	184.6	12,200
150																				25.7	175.9	11,500
155																				13.6	161.9	10,800

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

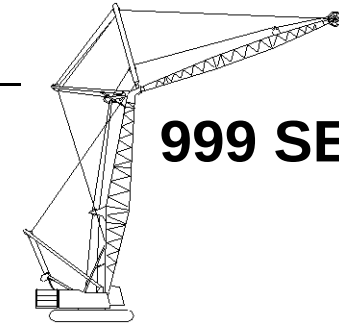
160 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.3	241.1	86,300 *b																			45
50	62.3	238.7	83,300 *b																			50
55	58.2	235.9	80,100 *b																			55
60	53.9	232.5	77,100 *	65.4	239.4	73,600 b																60
65	49.3	228.5	73,400	61.4	236.9	66,500 b																65
70	44.4	223.9	66,800	57.3	233.9	60,500 b	64.1	237.2	56,800 b													70
75	39.0	218.2	61,300	52.9	230.4	55,500	60.0	234.5	52,000 b													75
80	32.9	211.4	56,500	48.3	226.3	51,200	55.8	231.4	47,900 b													80
85	25.6	202.4	52,300	43.3	221.4	47,400	51.3	227.7	44,400	62.9	233.3	39,400 b										85
90	15.3	189.0	47,200 *	37.7	215.6	44,100	46.6	223.3	41,300	58.8	230.5	36,700 b										90
95				31.4	208.3	41,200	41.4	218.2	38,500	54.5	227.2	34,200										95
100				23.7	198.7	38,500	35.7	211.9	36,100	50.0	223.3	32,000										100
105				11.9	183.2	36,100	29.0	204.0	33,900	45.2	218.8	30,000	57.3	225.0	26,200 b							105
110							20.4	193.1	31,900	39.9	213.3	28,300	53.0	221.5	24,700							110
115										33.9	206.6	26,600	48.4	217.4	23,200							115
120										26.8	198.1	25,100	43.4	212.6	21,900							120
125										17.2	185.7	23,700	37.9	206.7	20,700	51.0	214.3	17,700				125
130													31.6	199.5	19,600	46.2	209.9	16,700				130
135													23.9	190.0	18,600	41.0	204.7	15,800				135
140													12.3	174.7	17,500	35.2	198.3	15,000				140
145																28.4	190.2	14,200	43.5	200.6	11,800	145
150																19.6	179.0	13,400	38.0	194.7	11,100	150
155																			31.7	187.6	10,500	155
160																			24.1	178.1	10,000	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.1	251.9	78,400 *b																			45
50	65.6	249.9	75,400 *b																			50
55	62.1	247.4	72,500 *b																			55
60	58.4	244.5	69,800 *	68.3	250.2	73,400 b																60
65	54.6	241.2	67,200 *	64.8	248.1	66,300 b																65
70	50.6	237.4	64,900 *	61.3	245.5	60,300 b	67.1	248.2	56,500 b													70
75	46.3	233.0	61,200	57.6	242.6	55,300	63.6	245.9	51,800 b													75
80	41.7	227.8	56,400	53.7	239.1	51,000	60.0	243.2	47,700													80
85	36.7	221.7	52,300	49.7	235.2	47,200	56.3	240.1	44,200													85
90	31.0	214.2	48,700	45.3	230.6	43,900	52.3	236.5	41,100	62.6	241.9	36,400 b										90
95	24.1	204.6	45,400	40.7	225.2	41,000	48.2	232.3	38,400	59.0	239.1	33,900										95
100	14.4	190.3	42,000 *	35.5	218.9	38,400	43.8	227.5	35,900	55.2	235.9	31,800										100
105				29.6	211.0	36,100	38.9	221.8	33,700	51.2	232.2	29,800										105
110				22.3	200.8	34,000	33.6	215.0	31,800	47.0	227.8	28,100	57.6	233.7	24,400							110
115				11.3	184.2	32,000	27.3	206.5	30,000	42.4	222.8	26,400	53.8	230.3	23,000							115
120							19.2	194.8	28,300	37.5	216.8	25,000	49.7	226.3	21,700							120
125										31.9	209.6	23,600	45.4	221.8	20,500							125
130										25.2	200.4	22,400	40.8	216.4	19,400	52.1	223.1	16,500				130
135										16.2	187.2	21,200	35.6	210.1	18,400	47.9	218.9	15,600				135
140													29.7	202.3	17,400	43.4	214.0	14,800				140
145													22.5	192.1	16,600	38.6	208.3	14,000				145
150													11.6	175.7	15,700	33.2	201.4	13,300	45.5	209.7	10,900	150
155																26.8	192.7	12,600	40.9	204.4	10,300	155
160																18.5	180.7	11,900	35.7	198.1	9,700	160
170																			22.7	180.2	8,700	170

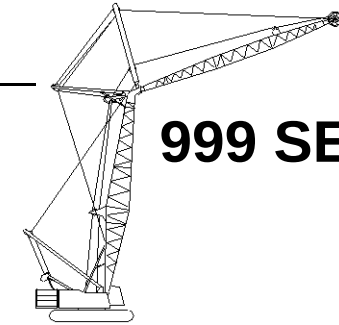
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

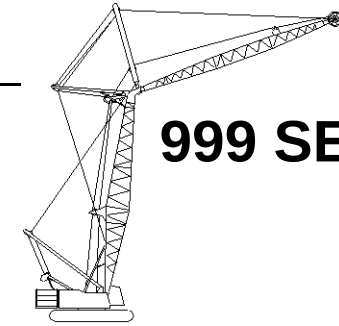
160 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.2	262.6	72,600 *b																			45
50	68.2	260.7	70,300 *b																			50
55	65.1	258.6	67,500 *b																			55
60	61.9	256.1	64,800 *	70.6	260.9	73,000 b																60
65	58.6	253.2	62,300 *	67.5	259.0	65,900 b																65
70	55.1	249.9	59,900 *	64.4	256.8	60,000																70
75	51.6	246.2	57,700 *	61.1	254.2	55,000	66.4	256.9	51,400 b													75
80	47.8	242.0	55,700 *	57.8	251.2	50,700	63.3	254.6	47,300													80
85	43.8	237.1	52,100	54.4	247.9	46,900	60.0	251.8	43,800													85
90	39.5	231.5	48,500	50.8	244.0	43,600	56.6	248.8	40,700													90
95	34.7	224.9	45,300	46.9	239.7	40,700	53.1	245.2	38,000	62.3	250.6	33,500										95
100	29.3	216.9	42,400	42.9	234.7	38,200	49.5	241.2	35,600	59.1	247.8	31,400										100
105	22.8	206.7	39,800	38.5	228.8	35,800	45.6	236.7	33,400	55.7	244.6	29,400										105
110	13.7	191.5	37,400 *	33.6	222.0	33,700	41.4	231.4	31,500	52.1	241.0	27,700										110
115				28.0	213.6	31,800	36.9	225.2	29,700	48.4	236.8	26,100	57.9	242.3	22,500							115
120				21.1	202.7	30,100	31.8	217.9	28,000	44.4	232.0	24,600	54.4	239.0	21,300							120
125				10.7	185.1	28,400	25.8	208.8	26,500	40.2	226.5	23,300	50.8	235.2	20,100							125
130							18.2	196.5	25,100	35.5	220.1	22,100	47.0	230.8	19,000							130
135										30.2	212.4	20,900	43.0	225.8	18,000	52.9	231.9	15,100				135
140										23.9	202.6	19,900	38.6	220.0	17,100	49.2	227.8	14,300				140
145										15.4	188.6	18,900	33.7	213.2	16,200	45.3	223.2	13,600				145
150													28.2	204.8	15,400	41.1	217.9	12,900				150
155													21.3	194.0	14,600	36.5	211.7	12,200	47.1	218.8	9,800	155
160													11.0	176.7	13,900	31.4	204.3	11,600	43.1	213.8	9,300	160
170																17.6	182.3	10,400	33.8	201.2	8,300	170
180																			21.5	182.1	7,500	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.0	273.1	67,200 *b																			45
50	70.3	271.4	65,700 *b																			50
55	67.5	269.5	63,500 *																			55
60	64.6	267.3	61,500 *																			60
65	61.7	264.7	59,400 *	69.6	269.7	65,800 b																65
70	58.7	261.9	57,500 *	66.8	267.7	59,900																70
75	55.6	258.6	55,500 *	64.0	265.4	54,900																75
80	52.4	255.0	53,500 *	61.0	262.8	50,600	65.9	265.6	47,300													80
85	49.0	250.9	51,700 *	58.0	259.9	46,900	63.0	263.2	43,800													85
90	45.5	246.3	48,400	54.9	256.6	43,600	60.0	260.5	40,700													90
95	41.7	241.0	45,300	51.6	252.9	40,700	56.9	257.4	38,000													95
100	37.6	235.0	42,400	48.2	248.7	38,100	53.8	254.0	35,600	62.1	259.3	31,300										100
105	33.1	227.9	39,900	44.6	243.9	35,800	50.5	250.1	33,400	59.1	256.5	29,400										105
110	28.0	219.5	37,600	40.8	238.5	33,700	47.0	245.7	31,400	56.1	253.3	27,600										110
115	21.8	208.7	35,500	36.6	232.2	31,900	43.3	240.7	29,700	52.9	249.7	26,000										115
120	13.0	192.7	33,500	32.0	224.9	30,100	39.4	235.1	28,100	49.5	245.7	24,600										120
125				26.7	216.0	28,500	35.1	228.5	26,600	46.0	241.2	23,300	55.0	247.7	20,000							125
130				20.1	204.5	27,100	30.3	220.7	25,200	42.3	236.0	22,100	51.7	244.0	19,000							130
135				10.2	186.0	25,700	24.6	211.1	23,900	38.2	230.1	21,000	48.3	239.8	18,000							135
140							17.3	198.0	22,800	33.8	223.2	19,900	44.7	235.0	17,100							140
145										28.8	215.0	18,900	40.9	229.7	16,200	50.2	236.7	13,500				145
150										22.8	204.6	18,000	36.7	223.4	15,400	46.8	232.3	12,900				150
155										14.7	189.9	17,200	32.1	216.1	14,700	43.1	227.3	12,200				155
160													26.8	207.3	14,000	39.1	221.5	11,600				160
170													10.5	177.7	12,600	29.9	207.0	10,500	41.0	217.6	8,300	170
180																16.7	183.8	9,500	32.2	204.2	7,500	180
190																			20.5	184.0	6,700	190

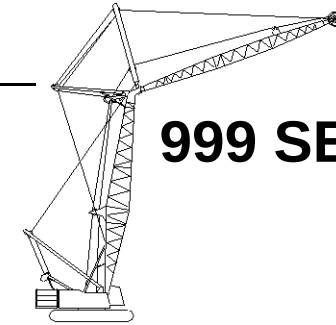
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.5	283.5	54,700 *b																			45
50	72.0	282.0	53,700 *b																			50
55	69.4	280.2	52,700 *																			55
60	66.9	278.2	51,800 *																			60
65	64.2	276.0	50,900 *																			65
70	61.5	273.4	49,100 *	68.9	278.5	53,500 *																70
75	58.8	270.5	47,400 *	66.3	276.5	52,800 *																75
80	56.0	267.3	45,600 *	63.6	274.1	50,300	68.0	276.5	46,900													80
85	53.0	263.8	44,000 *	61.0	271.5	46,500	65.4	274.3	43,400													85
90	50.0	259.8	42,400 *	58.2	268.6	43,300	62.7	271.9	40,300													90
95	46.8	255.3	40,900 *	55.3	265.3	40,400	60.0	269.2	37,600													95
100	43.4	250.4	39,500 *	52.4	261.6	37,800	57.2	266.1	35,200													100
105	39.8	244.7	38,200 *	49.3	257.6	35,500	54.3	262.7	33,000	62.0	267.9	29,000										105
110	35.9	238.3	36,700 *	46.1	253.0	33,500	51.3	258.9	31,100	59.2	265.1	27,200										110
115	31.6	230.8	34,800 *	42.6	247.9	31,600	48.2	254.7	29,300	56.4	262.0	25,700										115
120	26.7	221.9	33,000 *	39.0	242.1	29,900	44.9	250.0	27,700	53.5	258.5	24,200										120
125	20.8	210.5	31,500 *	35.0	235.5	28,300	41.4	244.6	26,300	50.4	254.6	22,900										125
130	12.5	193.8	30,000	30.6	227.7	26,800	37.7	238.6	24,900	47.3	250.2	21,700	55.4	256.4	18,600							130
135				25.5	218.4	25,500	33.6	231.6	23,700	43.9	245.3	20,600	52.4	252.8	17,600							135
140				19.3	206.2	24,300	29.0	223.3	22,500	40.4	239.8	19,600	49.4	248.7	16,700							140
145				9.7	186.9	23,100	23.6	213.2	21,400	36.5	233.5	18,600	46.1	244.2	15,800							145
150							16.6	199.5	20,400	32.3	226.2	17,700	42.7	239.1	15,000	51.1	245.5	12,400				150
155										27.5	217.5	16,900	39.1	233.3	14,300	48.0	241.3	11,800				155
160										21.8	206.6	16,100	35.1	226.7	13,600	44.7	236.5	11,200				160
170													25.7	209.6	12,400	37.4	225.0	10,100	46.2	232.1	7,900	170
180													10.0	178.6	11,200	28.6	209.6	9,100	39.2	221.3	7,100	180
190																16.0	185.2	8,200	30.8	207.0	6,300	190
200																			19.6	185.7	5,600	200

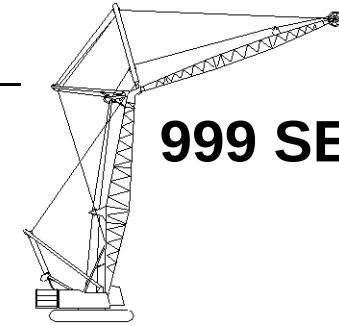
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.7	293.9	51,200 *b																			45
50	73.4	292.5	50,300 *b																			50
55	71.1	290.9	49,500 *																			55
60	68.7	289.0	48,600 *																			60
65	66.3	287.0	47,000 *																			65
70	63.9	284.6	45,400 *	70.6	289.2	49,800 *																70
75	61.4	282.1	43,800 *	68.2	287.3	48,700 *																75
80	58.9	279.2	42,200 *	65.8	285.2	47,200 *																80
85	56.3	276.0	40,700 *	63.4	282.8	45,600 *	67.4	285.2	43,100													85
90	53.6	272.5	39,200 *	60.9	280.2	43,000	65.0	283.0	40,000													90
95	50.8	268.6	37,800 *	58.3	277.2	40,100	62.5	280.6	37,300													95
100	47.9	264.3	36,500 *	55.7	274.0	37,600	60.0	277.8	34,900													100
105	44.8	259.6	35,200 *	53.0	270.4	35,300	57.4	274.8	32,800													105
110	41.6	254.3	34,000 *	50.2	266.4	33,200	54.8	271.4	30,900	61.8	276.6	26,900										110
115	38.2	248.3	32,800 *	47.2	262.0	31,400	52.0	267.7	29,100	59.3	273.8	25,400										115
120	34.5	241.5	31,800 *	44.2	257.2	29,700	49.2	263.6	27,500	56.7	270.7	23,900										120
125	30.4	233.6	30,400 *	40.9	251.7	28,100	46.2	259.1	26,000	54.0	267.2	22,600										125
130	25.7	224.2	29,000 *	37.4	245.6	26,700	43.0	254.0	24,700	51.2	263.4	21,400										130
135	20.0	212.3	27,700 *	33.6	238.6	25,300	39.7	248.3	23,500	48.3	259.2	20,300	55.8	265.1	17,300							135
140	12.0	194.9	26,800 *	29.4	230.4	24,100	36.1	241.9	22,300	45.3	254.5	19,300	53.0	261.5	16,400							140
145				24.5	220.6	23,000	32.2	234.5	21,200	42.1	249.2	18,400	50.2	257.6	15,600							145
150				18.5	207.9	21,900	27.8	225.9	20,200	38.7	243.4	17,500	47.3	253.2	14,800							150
155				9.4	187.8	20,900	22.6	215.2	19,300	35.1	236.7	16,700	44.2	248.3	14,100	51.8	254.3	11,500				155
160							15.9	201.0	18,400	31.0	229.0	15,900	41.0	242.9	13,400	49.0	250.2	10,900				160
170										20.9	208.5	14,500	33.7	229.8	12,100	42.8	240.5	9,800				170
180													24.6	211.9	11,000	35.9	228.3	8,900	44.3	236.3	6,800	180
190													9.6	179.4	10,000	27.5	212.1	8,000	37.6	224.8	6,100	190
200																15.4	186.6	7,200	29.6	209.7	5,400	200
210																			18.8	187.4	4,800	210

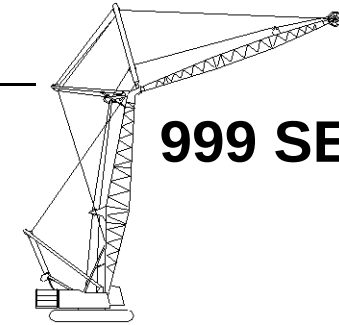
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

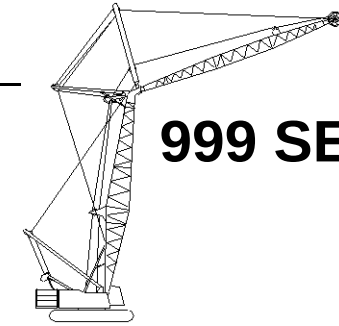
160 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	302.9	46,900 *b																			50
55	72.5	301.4	46,200 *																			55
60	70.3	299.7	44,900 *																			60
65	68.1	297.8	43,300 *																			65
70	65.9	295.7	41,700 *																			70
75	63.6	293.3	40,200 *	69.8	298.0	44,700 *																75
80	61.3	290.7	38,700 *	67.6	296.1	43,300 *																80
85	59.0	287.9	37,200 *	65.4	293.9	41,800 *																85
90	56.6	284.7	35,800 *	63.1	291.5	40,400 *	66.9	294.0	39,700													90
95	54.1	281.2	34,500 *	60.8	288.8	38,900 *	64.6	291.7	37,000													95
100	51.5	277.4	33,200 *	58.4	285.9	37,300	62.3	289.2	34,600													100
105	48.8	273.3	31,900 *	56.0	282.7	35,000	60.0	286.5	32,400													105
110	46.0	268.7	30,700 *	53.5	279.1	32,900	57.6	283.5	30,500													110
115	43.1	263.6	29,500 *	50.9	275.3	31,000	55.1	280.1	28,800	61.7	285.3	25,000										115
120	40.1	258.0	28,400 *	48.2	271.0	29,300	52.6	276.5	27,200	59.3	282.5	23,600										120
125	36.8	251.7	27,400 *	45.4	266.3	27,800	50.0	272.5	25,700	56.9	279.3	22,300										125
130	33.2	244.5	26,400 *	42.5	261.1	26,400	47.3	268.1	24,400	54.4	275.9	21,100										130
135	29.2	236.3	25,400 *	39.3	255.4	25,100	44.4	263.2	23,100	51.9	272.2	20,000										135
140	24.7	226.4	24,600 *	36.0	248.9	23,800	41.4	257.8	22,000	49.2	268.1	19,000	56.1	273.8	16,000							140
145	19.3	214.1	23,900 *	32.4	241.5	22,700	38.2	251.8	20,900	46.5	263.5	18,000	53.6	270.3	15,200							145
150	11.5	195.9	23,300 *	28.3	233.0	21,600	34.8	245.1	19,900	43.6	258.5	17,100	51.0	266.4	14,400							150
155				23.6	222.7	20,700	31.0	237.4	19,000	40.5	253.0	16,300	48.3	262.2	13,700							155
160				17.8	209.5	19,700	26.8	228.3	18,200	37.3	246.8	15,600	45.5	257.5	13,000	52.4	263.1	10,500				160
170							15.4	202.3	16,600	29.9	231.7	14,200	39.4	246.5	11,800	47.1	254.6	9,400				170
180										20.2	210.3	12,900	32.4	232.7	10,700	41.2	244.3	8,500				180
190													23.7	214.0	9,700	34.5	231.5	7,600	42.6	240.3	5,600	190
200													9.3	180.3	8,700	26.5	214.5	6,900	36.1	228.1	5,000	200
210																14.8	187.9	6,100	28.5	212.3	4,400	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	313.2	43,800 *																			50
55	73.7	311.8	43,000 *																			55
60	71.7	310.3	41,500 *																			60
65	69.6	308.5	40,000 *																			65
70	67.6	306.6	38,600 *																			70
75	65.5	304.4	37,100 *																			75
80	63.4	302.0	35,700 *	69.2	306.8	39,900 *																80
85	61.2	299.4	34,300 *	67.1	304.8	38,500 *																85
90	59.0	296.5	32,900 *	65.1	302.6	37,200 *																90
95	56.8	293.4	31,600 *	62.9	300.2	35,800 *	66.4	302.7	36,900													95
100	54.5	290.0	30,400 *	60.8	297.5	34,400 *	64.3	300.4	34,500													100
105	52.1	286.2	29,100 *	58.5	294.6	33,100 *	62.2	297.9	32,300													105
110	49.6	282.2	27,900 *	56.3	291.4	31,800 *	60.0	295.2	30,400													110
115	47.1	277.7	26,800 *	54.0	287.9	30,600 *	57.8	292.1	28,600													115
120	44.4	272.8	25,700 *	51.6	284.1	29,300	55.5	288.8	27,100	61.6	293.9	23,400										120
125	41.6	267.5	24,700 *	49.1	279.9	27,700	53.1	285.2	25,600	59.4	291.1	22,100										125
130	38.6	261.6	23,700 *	46.5	275.4	26,300	50.7	281.3	24,300	57.1	288.0	21,000										130
135	35.5	254.9	22,700 *	43.8	270.4	25,000	48.2	277.1	23,000	54.8	284.6	19,900										135
140	32.0	247.4	21,800 *	41.0	264.9	23,800	45.6	272.4	21,900	52.5	281.0	18,900										140
145	28.2	238.8	21,000 *	38.0	258.9	22,600	42.8	267.2	20,900	50.0	276.9	17,900	56.3	282.5	15,000							145
150	23.9	228.6	20,200 *	34.7	252.1	21,600	39.9	261.6	19,900	47.5	272.6	17,000	54.0	279.0	14,300							150
155	18.6	215.7	19,500 *	31.2	244.4	20,600	36.9	255.2	19,000	44.8	267.8	16,200	51.6	275.2	13,600							155
160	11.2	196.9	18,900 *	27.3	235.4	19,700	33.6	248.2	18,100	42.0	262.5	15,500	49.1	271.1	12,900							160
170				17.2	211.0	18,000	25.8	230.6	16,500	36.0	250.1	14,100	43.9	261.6	11,700	50.5	267.9	9,300				170
180							14.8	203.7	15,100	28.8	234.4	12,900	38.0	250.0	10,600	45.4	258.9	8,400				180
190										19.5	212.1	11,700	31.3	235.6	9,600	39.7	248.0	7,600	46.6	254.5	5,500	190
200													22.9	216.1	8,700	33.3	234.5	6,800	41.1	244.1	4,900	200
210													9.0	181.1	7,900	25.5	216.8	6,100	34.9	231.3	4,300	210
220																14.3	189.2	5,400				220

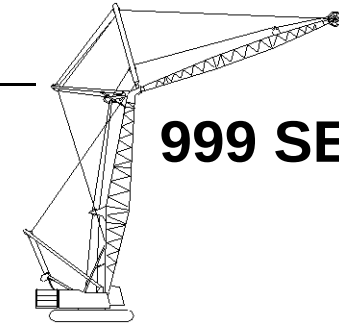
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

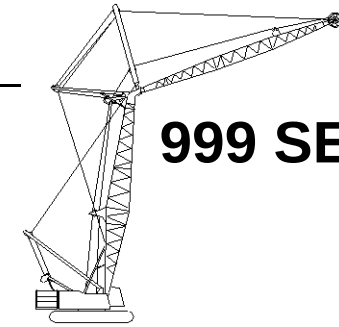
160 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	322.2	39,600 *																55
60	72.9	320.8	38,100 *																60
65	71.0	319.1	36,700 *																65
70	69.1	317.3	35,300 *																70
75	67.1	315.3	33,900 *																75
80	65.2	313.1	32,600 *	70.6	317.5	36,400 *													80
85	63.2	310.7	31,200 *	68.6	315.6	35,100 *													85
90	61.2	308.1	29,900 *	66.7	313.6	33,900 *													90
95	59.1	305.2	28,600 *	64.7	311.3	32,600 *	68.0	313.6	34,400 *										95
100	57.0	302.1	27,400 *	62.7	308.8	31,300 *	66.0	311.4	33,200 *										100
105	54.8	298.7	26,200 *	60.7	306.2	30,000 *	64.1	309.1	32,000										105
110	52.6	295.0	25,000 *	58.6	303.2	28,700 *	62.0	306.6	30,000										110
115	50.3	291.0	23,900 *	56.5	300.1	27,500 *	60.0	303.8	28,300										115
120	47.9	286.7	22,900 *	54.3	296.6	26,300 *	57.9	300.8	26,700										120
125	45.5	282.0	21,800 *	52.1	292.9	25,200 *	55.8	297.5	25,300	61.5	302.6	21,800							125
130	42.9	276.9	20,800 *	49.8	288.8	24,000 *	53.6	294.0	23,900	59.4	299.8	20,600							130
135	40.2	271.2	19,900 *	47.4	284.4	23,000 *	51.3	290.1	22,700	57.3	296.7	19,500							135
140	37.4	265.0	19,000 *	44.9	279.6	21,900 *	49.0	286.0	21,600	55.2	293.3	18,500							140
145	34.3	258.1	18,100 *	42.3	274.4	20,900 *	46.6	281.4	20,500	52.9	289.7	17,600							145
150	31.0	250.3	17,300 *	39.6	268.6	20,000 *	44.0	276.5	19,600	50.7	285.8	16,700	56.6	291.2	13,900				150
155	27.3	241.3	16,600 *	36.7	262.2	19,100 *	41.4	271.1	18,600	48.3	281.5	15,900	54.4	287.7	13,200				155
160	23.1	230.7	15,900 *	33.6	255.1	18,200 *	38.6	265.1	17,800	45.9	276.9	15,100	52.2	284.0	12,500				160
170	10.8	197.9	14,700 *	26.4	237.8	16,700 *	32.5	251.1	16,200	40.6	266.2	13,700	47.5	275.6	11,300				170
180				16.7	212.5	15,300 *	25.0	232.9	14,900	34.8	253.3	12,500	42.4	265.5	10,200	48.8	272.6	8,000	180
190							14.4	204.9	13,600	27.9	236.9	11,400	36.8	253.4	9,300	43.9	263.0	7,200	190
200										18.9	213.7	10,400	30.3	238.3	8,400	38.4	251.6	6,400	200
210													22.2	218.0	7,600	32.2	237.5	5,700	210
220													8.7	181.8	6,800	24.7	219.0	5,100	220
230																13.9	190.5	4,500	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

160 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.6	332.6	36,200 *																55
60	73.9	331.2	35,200 *																60
65	72.1	329.7	33,900 *																65
70	70.3	328.0	32,600 *																70
75	68.5	326.1	31,300 *																75
80	66.7	324.1	30,000 *																80
85	64.9	321.8	28,700 *	70.0	326.3	32,300 *													85
90	63.0	319.4	27,500 *	68.2	324.4	31,100 *													90
95	61.1	316.7	26,200 *	66.3	322.3	29,900 *													95
100	59.2	313.8	25,000 *	64.5	320.0	28,700 *	67.5	322.3	30,400 *										100
105	57.2	310.7	23,900 *	62.6	317.5	27,500 *	65.7	320.2	29,300 *										105
110	55.1	307.4	22,800 *	60.7	314.8	26,300 *	63.8	317.8	28,100 *										110
115	53.1	303.8	21,700 *	58.7	311.9	25,100 *	61.9	315.2	27,000 *										115
120	50.9	299.9	20,700 *	56.7	308.7	24,000 *	60.0	312.5	25,900 *										120
125	48.7	295.6	19,700 *	54.7	305.3	22,800 *	58.0	309.5	24,700 *										125
130	46.4	291.1	18,700 *	52.6	301.6	21,800 *	56.0	306.2	23,600 *	61.4	311.3	20,300							130
135	44.1	286.1	17,800 *	50.4	297.7	20,700 *	54.0	302.7	22,500	59.4	308.4	19,200							135
140	41.6	280.7	16,900 *	48.2	293.4	19,700 *	51.9	298.9	21,300	57.5	305.4	18,200							140
145	39.0	274.8	16,100 *	45.9	288.7	18,800 *	49.7	294.9	20,300	55.4	302.0	17,300							145
150	36.2	268.3	15,300 *	43.5	283.7	17,800 *	47.4	290.4	19,300	53.4	298.5	16,400							150
155	33.3	261.1	14,500 *	41.0	278.2	17,000 *	45.1	285.7	18,400	51.2	294.6	15,600	56.8	299.9	12,900				155
160	30.0	253.0	13,800 *	38.4	272.1	16,100 *	42.7	280.5	17,600	49.1	290.4	14,900	54.7	296.4	12,200				160
170	22.4	232.7	12,300 *	32.6	258.1	14,600 *	37.4	268.6	15,900 *	44.4	281.0	13,500	50.5	288.8	11,000				170
180	10.5	198.8	10,800 *	25.6	240.1	13,100 *	31.5	254.0	14,400 *	39.4	269.9	12,300	46.0	279.9	10,000	51.7	285.6	7,700	180
190				16.2	214.0	11,400 *	24.2	235.1	12,800 *	33.7	256.4	11,200	41.1	269.3	9,000	47.3	277.0	6,900	190
200							13.9	206.2	11,200 *	27.0	239.3	10,200	35.6	256.7	8,200	42.5	267.0	6,100	200
210										18.3	215.4	9,300	29.4	241.0	7,400	37.2	255.0	5,500	210
220													21.5	220.0	6,700	31.2	240.3	4,900	220
230													8.4	182.6	6,000	24.0	221.2	4,300	230

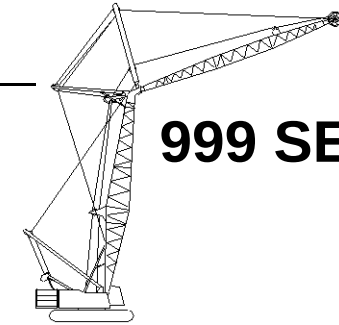
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

170 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	62.6	248.9	82,800 *b																			50
55	58.5	246.1	79,700 *b																			55
60	54.2	242.8	76,800 *	66.4	249.8	73,400 b																60
65	49.6	238.8	73,300	62.4	247.4	66,200 b																65
70	44.7	234.2	66,800	58.3	244.6	60,300 b	65.4	247.9	56,400 b													70
75	39.4	228.7	61,200	54.0	241.2	55,300	61.4	245.4	51,700 b													75
80	33.4	221.9	56,400	49.4	237.3	51,000	57.3	242.4	47,700 b													80
85	26.1	213.1	52,300	44.5	232.6	47,200	52.9	238.9	44,100													85
90	16.2	200.2	48,300 *	39.1	227.0	43,900	48.3	234.8	41,100	61.0	241.6	36,300 b										90
95				33.1	220.2	41,000	43.3	229.9	38,300	56.8	238.6	33,900 b										95
100				25.8	211.3	38,400	37.7	224.1	35,900	52.4	235.1	31,700										100
105				15.6	198.1	36,000	31.4	216.8	33,700	47.7	230.9	29,800										105
110							23.7	207.2	31,700	42.7	225.9	28,000	56.0	233.4	24,300							110
115							12.0	191.7	29,800	37.1	219.9	26,400	51.6	229.7	22,900							115
120										30.6	212.5	24,900	46.8	225.4	21,600							120
125										22.7	202.5	23,500	41.7	220.3	20,400							125
130										9.8	185.3	22,200	36.0	214.0	19,300	50.3	222.7	16,400				130
135													29.3	206.2	18,300	45.5	218.2	15,500				135
140													20.9	195.6	17,300	40.2	212.8	14,700				140
145													4.6	173.5	16,300	34.3	206.2	13,900				145
150																27.3	197.8	13,200	43.5	209.2	10,800	150
155																17.9	185.8	12,500	38.0	203.4	10,200	155
160																			31.7	196.2	9,600	160
170																			12.7	171.7	8,600	170

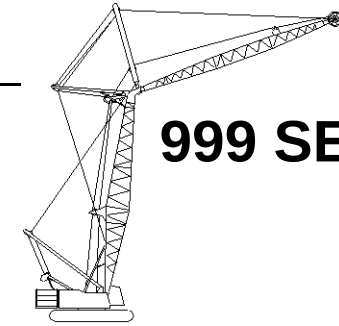
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

170 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.3	262.1	76,700 *b																			45
50	65.9	260.0	74,800 *b																			50
55	62.3	257.6	72,100 *b																			55
60	58.7	254.8	69,400 *	69.1	260.6	73,100 b																60
65	54.8	251.5	67,000 *	65.7	258.5	66,000 b																65
70	50.9	247.7	64,700 *	62.1	256.1	60,100 b																70
75	46.6	243.3	61,100	58.5	253.3	55,100	64.8	256.6	51,500 b													75
80	42.1	238.2	56,400	54.7	250.0	50,800	61.3	254.0	47,400 b													80
85	37.1	232.1	52,200	50.7	246.1	47,000	57.6	251.1	43,900													85
90	31.4	224.8	48,600	46.4	241.7	43,800	53.7	247.6	40,800													90
95	24.6	215.4	45,400	41.8	236.6	40,900	49.7	243.7	38,100	60.9	250.3	33,600 b										95
100	15.3	201.6	42,500	36.8	230.5	38,300	45.3	239.1	35,700	57.1	247.3	31,400										100
105				31.1	223.0	35,900	40.7	233.7	33,500	53.3	243.8	29,500										105
110				24.3	213.5	33,800	35.5	227.4	31,600	49.2	239.8	27,800										110
115				14.7	199.4	31,900	29.6	219.5	29,800	44.8	235.1	26,200	56.4	242.1	22,600							115
120							22.3	209.3	28,100	40.1	229.7	24,700	52.5	238.5	21,300							120
125							11.3	192.7	26,600	34.9	223.2	23,400	48.4	234.4	20,200							125
130										28.9	215.1	22,200	44.0	229.6	19,100							130
135										21.3	204.5	21,000	39.2	223.9	18,100	51.4	231.6	15,200				135
140										9.3	186.2	19,900	33.9	217.2	17,200	47.2	227.3	14,400				140
145													27.6	208.8	16,300	42.7	222.3	13,700				145
150													19.7	197.4	15,500	37.8	216.3	13,000				150
155													4.3	173.9	14,600	32.2	209.2	12,300	45.5	218.4	9,900	155
160																25.7	200.2	11,700	40.9	213.1	9,400	160
170																			29.9	199.0	8,400	170
180																			11.9	172.8	7,500	180

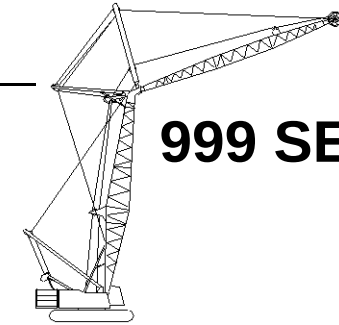
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

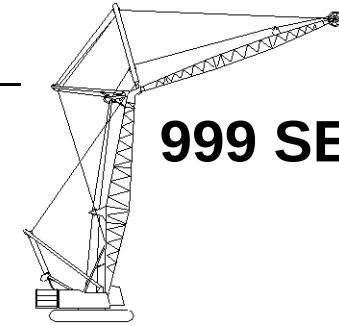
170 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.4	272.7	70,700 *b																			45
50	68.4	270.9	69,800 *b																			50
55	65.3	268.7	67,100 *b																			55
60	62.1	266.3	64,500 *																			60
65	58.8	263.4	62,100 *	68.3	269.4	65,700 b																65
70	55.4	260.2	59,800 *	65.1	267.3	59,700 b																70
75	51.8	256.5	57,600 *	61.9	264.8	54,700	67.5	267.5	51,100 b													75
80	48.1	252.3	55,100 *	58.6	261.9	50,400	64.4	265.3	47,000													80
85	44.1	247.5	51,800 *	55.2	258.7	46,700	61.1	262.7	43,500													85
90	39.8	241.9	48,400	51.6	254.9	43,400	57.8	259.7	40,500													90
95	35.1	235.4	45,200	47.9	250.7	40,600	54.4	256.4	37,800													95
100	29.8	227.5	42,400	43.9	245.9	38,000	50.8	252.5	35,400	60.8	259.0	31,000										100
105	23.3	217.5	39,800	39.6	240.3	35,700	46.9	248.2	33,200	57.4	256.0	29,100										105
110	14.5	202.9	37,400	34.9	233.7	33,600	42.9	243.2	31,300	54.0	252.6	27,400										110
115				29.5	225.7	31,700	38.5	237.3	29,500	50.3	248.7	25,800										115
120				23.0	215.6	30,000	33.6	230.5	27,900	46.5	244.2	24,400	56.8	250.7	20,900							120
125				14.0	200.6	28,300	28.0	222.1	26,400	42.4	239.1	23,000	53.3	247.2	19,700							125
130							21.1	211.2	25,000	38.0	233.2	21,800	49.7	243.3	18,700							130
135							10.7	193.6	23,700	33.0	226.2	20,700	45.8	238.7	17,700							135
140										27.3	217.6	19,700	41.6	233.5	16,800	52.3	240.3	14,000				140
145										20.2	206.3	18,700	37.1	227.4	15,900	48.6	236.2	13,200				145
150										8.8	187.0	17,700	32.1	220.1	15,100	44.7	231.5	12,500				150
155													26.2	211.2	14,400	40.4	226.0	11,900				155
160													18.7	199.0	13,700	35.8	219.7	11,300	47.1	227.4	9,000	160
170																24.3	202.4	10,200	38.7	216.7	8,000	170
180																			28.3	201.6	7,200	180
190																			11.3	173.8	6,300	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

170 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.2	283.2	57,300 *b																			45
50	70.4	281.5	56,200 *b																			50
55	67.7	279.6	55,100 *b																			55
60	64.8	277.4	54,100 *																			60
65	61.9	274.9	53,200 *	70.3	280.1	57,200 *b																65
70	58.9	272.1	52,300 *	67.5	278.2	56,500 *																70
75	55.8	268.9	51,000 *	64.7	276.0	54,700																75
80	52.6	265.3	49,300 *	61.8	273.4	50,400	66.8	276.2	47,000													80
85	49.2	261.2	47,600 *	58.8	270.6	46,700	64.0	273.9	43,500													85
90	45.7	256.6	46,100 *	55.7	267.4	43,400	61.0	271.3	40,400													90
95	41.9	251.4	43,500 *	52.4	263.7	40,500	58.0	268.4	37,700													95
100	37.9	245.4	41,100 *	49.1	259.6	38,000	54.9	265.1	35,300													100
105	33.4	238.5	38,900 *	45.5	255.0	35,700	51.6	261.4	33,200	60.7	267.6	29,000										105
110	28.3	230.1	36,800 *	41.8	249.8	33,600	48.2	257.1	31,200	57.7	264.6	27,300										110
115	22.2	219.5	35,000 *	37.7	243.8	31,700	44.6	252.4	29,500	54.5	261.3	25,800										115
120	13.8	204.2	33,500	33.2	236.8	30,000	40.8	247.0	27,900	51.3	257.5	24,300										120
125				28.1	228.3	28,400	36.6	240.7	26,400	47.8	253.2	23,000	57.1	259.4	19,700							125
130				21.9	217.6	27,000	32.0	233.4	25,000	44.2	248.4	21,800	53.9	256.0	18,600							130
135				13.3	201.8	25,600	26.7	224.5	23,800	40.4	242.9	20,700	50.7	252.1	17,700							135
140							20.2	213.0	22,600	36.1	236.6	19,700	47.2	247.8	16,800							140
145							10.2	194.6	21,500	31.5	229.1	18,700	43.5	242.8	15,900							145
150										26.0	220.0	17,800	39.6	237.2	15,100	49.7	245.1	12,500				150
155										19.3	208.0	17,000	35.3	230.7	14,400	46.2	240.6	11,900				155
160										8.4	187.7	16,100	30.5	222.9	13,700	42.5	235.5	11,300				160
170													17.8	200.6	12,400	34.1	222.8	10,200	44.8	231.7	8,000	170
180																23.2	204.5	9,200	36.8	220.1	7,200	180
190																			27.0	204.0	6,400	190
200																			10.8	174.8	5,700	200

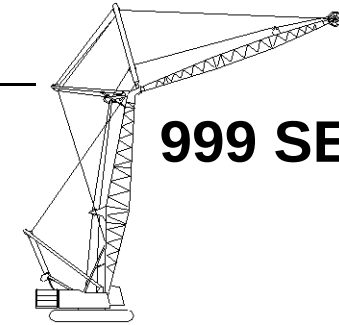
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

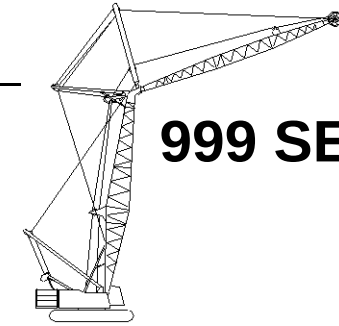
170 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	293.6	53,800 *b																			45
50	72.1	292.1	52,800 *b																			50
55	69.6	290.4	51,900 *																			55
60	67.0	288.4	51,000 *																			60
65	64.4	286.1	50,200 *																			65
70	61.7	283.6	48,900 *	69.5	288.9	52,700 *																70
75	59.0	280.7	47,300 *	66.9	286.9	52,100 *																75
80	56.2	277.6	45,600 *	64.3	284.7	50,000																80
85	53.2	274.0	44,000 *	61.6	282.1	46,300	66.3	285.0	43,100													85
90	50.2	270.1	42,400 *	58.9	279.2	43,100	63.6	282.6	40,000													90
95	47.0	265.7	40,900 *	56.0	276.0	40,200	61.0	280.0	37,400													95
100	43.7	260.7	39,500 *	53.1	272.5	37,700	58.2	277.1	35,000													100
105	40.1	255.1	37,500 *	50.1	268.5	35,400	55.3	273.8	32,800													105
110	36.2	248.8	35,500 *	46.9	264.1	33,300	52.4	270.1	30,900	60.6	276.3	26,900										110
115	32.0	241.4	33,700 *	43.5	259.1	31,400	49.3	266.1	29,100	57.9	273.3	25,400										115
120	27.1	232.6	32,100 *	39.9	253.5	29,700	46.1	261.5	27,500	55.0	270.0	23,900										120
125	21.3	221.4	30,600 *	36.0	247.1	28,200	42.6	256.4	26,100	52.0	266.3	22,600										125
130	13.2	205.3	29,500 *	31.7	239.7	26,700	39.0	250.6	24,700	48.9	262.2	21,400	57.3	268.1	18,200							130
135				26.9	230.8	25,400	35.0	244.0	23,500	45.7	257.6	20,400	54.5	264.7	17,200							135
140				21.0	219.5	24,200	30.6	236.2	22,400	42.2	252.4	19,300	51.5	260.9	16,400							140
145				12.7	203.0	23,000	25.6	226.9	21,300	38.6	246.5	18,400	48.4	256.7	15,500							145
150							19.3	214.7	20,300	34.6	239.8	17,500	45.1	252.0	14,800							150
155							9.8	195.4	19,300	30.1	231.9	16,700	41.6	246.7	14,000	50.6	254.0	11,400				155
160										24.9	222.3	15,900	37.9	240.7	13,400	47.5	249.6	10,900				160
170										8.0	188.4	14,400	29.2	225.6	12,100	40.6	239.3	9,800				170
180													17.0	202.2	11,000	32.6	225.8	8,800	42.8	235.7	6,700	180
190																22.2	206.5	8,000	35.2	223.3	6,000	190
200																			25.8	206.4	5,300	200
210																			10.3	175.7	4,700	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

170 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	303.9	50,400 *b																			45
50	73.5	302.6	49,500 *b																			50
55	71.2	301.0	48,700 *																			55
60	68.9	299.2	47,900 *																			60
65	66.5	297.1	46,800 *																			65
70	64.1	294.8	45,200 *																			70
75	61.6	292.2	43,600 *	68.8	297.7	48,600 *																75
80	59.1	289.4	42,100 *	66.4	295.7	47,200 *																80
85	56.5	286.2	40,600 *	64.0	293.3	45,700 *																85
90	53.8	282.8	39,200 *	61.5	290.8	42,800	65.8	293.7	39,800													90
95	51.0	278.9	37,800 *	59.0	287.9	40,000	63.4	291.3	37,100													95
100	48.1	274.6	36,500 *	56.3	284.7	37,400	60.9	288.7	34,700													100
105	45.1	269.9	35,300 *	53.7	281.2	35,100	58.3	285.7	32,600													105
110	41.9	264.6	34,100 *	50.9	277.4	33,100	55.7	282.5	30,600													110
115	38.4	258.7	32,600 *	48.0	273.1	31,200	53.0	278.9	28,900	60.6	284.9	25,100										115
120	34.7	252.0	31,000 *	44.9	268.3	29,500	50.2	274.9	27,300	58.0	282.0	23,700										120
125	30.7	244.2	29,500 *	41.7	263.0	28,000	47.2	270.5	25,900	55.4	278.7	22,400										125
130	26.0	234.9	28,200 *	38.3	257.1	26,500	44.2	265.7	24,500	52.7	275.1	21,200										130
135	20.4	223.3	27,000 *	34.6	250.3	25,200	40.9	260.2	23,300	49.8	271.1	20,100	57.6	276.8	17,000							135
140	12.7	206.5	26,100 *	30.5	242.4	24,000	37.4	254.1	22,100	46.9	266.6	19,100	54.9	273.4	16,100							140
145				25.8	233.1	22,900	33.6	247.1	21,100	43.8	261.7	18,100	52.2	269.7	15,200							145
150				20.1	221.3	21,800	29.4	238.9	20,100	40.5	256.2	17,300	49.3	265.6	14,500							150
155				12.2	204.1	20,800	24.5	229.1	19,200	37.0	249.9	16,500	46.3	261.1	13,800							155
160							18.5	216.4	18,300	33.2	242.8	15,700	43.2	256.1	13,100	51.4	262.8	10,600				160
170										23.9	224.4	14,300	36.3	244.0	11,900	45.5	253.9	9,500				170
180										7.7	189.1	13,000	28.0	228.2	10,800	38.9	242.9	8,600	47.4	249.8	6,500	180
190													16.4	203.6	9,800	31.3	228.7	7,700	41.0	239.5	5,700	190
200																21.3	208.4	7,000	33.8	226.5	5,100	200
210																			24.8	208.6	4,500	210

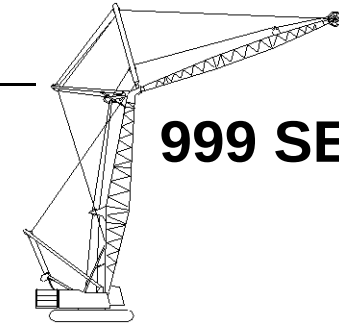
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL

149,600 Lb. Counterweight

360 Degree Rating

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



999 SERIES 1

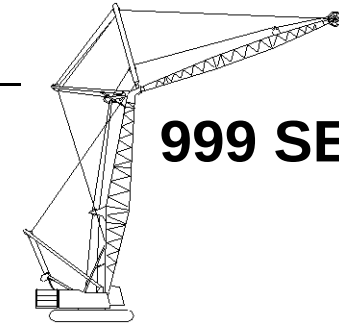
170 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	313.0	46,200 *b																			50
55	72.6	311.5	45,400 *																			55
60	70.5	309.8	44,600 *																			60
65	68.3	307.9	43,100 *																			65
70	66.1	305.8	41,600 *																			70
75	63.8	303.5	40,100 *	70.4	308.4	44,700 *																75
80	61.5	300.9	38,600 *	68.2	306.5	43,300 *																80
85	59.1	298.1	37,200 *	66.0	304.4	41,900 *																85
90	56.7	294.9	35,800 *	63.7	302.0	40,500 *	67.6	304.6	39,400													90
95	54.2	291.5	34,500 *	61.4	299.4	39,100 *	65.4	302.4	36,700													95
100	51.7	287.7	33,200 *	59.0	296.6	37,100	63.1	300.0	34,300													100
105	49.0	283.6	32,000 *	56.6	293.4	34,800	60.8	297.3	32,200													105
110	46.2	279.0	30,700 *	54.1	290.0	32,800	58.4	294.4	30,300													110
115	43.3	274.0	29,600 *	51.6	286.2	30,900	56.0	291.2	28,500	62.9	296.3	24,700										115
120	40.3	268.4	28,500 *	48.9	282.0	29,200	53.5	287.6	27,000	60.6	293.6	23,300										120
125	37.0	262.1	27,500 *	46.1	277.4	27,700	50.9	283.8	25,500	58.2	290.6	22,000										125
130	33.4	255.0	26,500 *	43.2	272.4	26,200	48.2	279.5	24,200	55.7	287.4	20,800										130
135	29.5	246.9	25,600 *	40.1	266.8	24,900	45.4	274.8	23,000	53.2	283.8	19,700										135
140	25.1	237.2	24,700 *	36.8	260.5	23,700	42.5	269.6	21,800	50.6	279.9	18,700	57.7	285.4	15,600							140
145	19.7	225.0	23,900 *	33.3	253.3	22,600	39.3	263.9	20,800	47.9	275.6	17,800	55.3	282.1	14,800							145
150	12.2	207.6	23,200 *	29.3	245.1	21,500	36.0	257.4	19,800	45.1	270.9	16,900	52.7	278.5	14,100							150
155				24.8	235.3	20,500	32.4	250.0	18,900	42.1	265.6	16,100	50.1	274.5	13,400							155
160				19.4	223.0	19,600	28.3	241.5	18,000	39.0	259.8	15,300	47.4	270.1	12,700							160
170							17.8	218.0	16,400	31.9	245.7	14,000	41.6	259.9	11,500	49.4	267.5	9,100				170
180										23.0	226.5	12,700	35.0	247.3	10,400	43.8	258.0	8,200				180
190										7.4	189.8	11,500	27.0	230.6	9,500	37.5	246.4	7,300	45.5	254.1	5,300	190
200													15.8	205.1	8,600	30.1	231.4	6,600	39.5	243.2	4,700	200
210																20.5	210.3	5,900	32.5	229.4	4,100	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
149,600 Lb. Counterweight
360 Degree Rating

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



999 SERIES 1

170 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.8	323.3	43,100 *																			50
55	73.8	321.9	42,400 *																			55
60	71.8	320.4	41,200 *																			60
65	69.8	318.7	39,800 *																			65
70	67.7	316.7	38,400 *																			70
75	65.7	314.6	37,000 *																			75
80	63.5	312.2	35,600 *	69.7	317.2	39,900 *																80
85	61.4	309.6	34,300 *	67.6	315.3	38,600 *																85
90	59.2	306.7	32,900 *	65.6	313.1	37,300 *																90
95	56.9	303.6	31,600 *	63.4	310.7	36,000 *	67.1	313.3	36,600													95
100	54.6	300.2	30,400 *	61.3	308.1	34,700 *	65.1	311.1	34,200													100
105	52.3	296.5	29,200 *	59.1	305.2	33,400 *	62.9	308.7	32,100													105
110	49.8	292.5	28,000 *	56.8	302.1	32,100 *	60.8	306.0	30,200													110
115	47.3	288.0	26,900 *	54.5	298.7	30,800	58.5	303.1	28,400													115
120	44.6	283.2	25,800 *	52.1	295.0	29,100	56.3	299.9	26,900	62.7	305.0	23,100										120
125	41.8	277.9	24,800 *	49.7	290.9	27,600	54.0	296.4	25,400	60.5	302.3	21,900										125
130	38.9	272.0	23,800 *	47.1	286.5	26,100	51.6	292.6	24,100	58.3	299.3	20,700										130
135	35.7	265.4	22,800 *	44.5	281.6	24,800	49.1	288.4	22,900	56.0	296.1	19,600										135
140	32.3	258.0	21,900 *	41.7	276.3	23,600	46.5	283.9	21,700	53.7	292.6	18,600										140
145	28.5	249.5	21,100 *	38.7	270.3	22,500	43.8	278.9	20,700	51.3	288.7	17,700	57.9	294.1	14,700							145
150	24.2	239.4	20,300 *	35.5	263.7	21,500	41.0	273.4	19,700	48.8	284.5	16,800	55.6	290.8	14,000							150
155	19.0	226.7	19,600 *	32.1	256.3	20,500	38.0	267.4	18,800	46.2	280.0	16,000	53.3	287.2	13,300							155
160	11.8	208.6	19,000 *	28.3	247.7	19,600	34.7	260.6	18,000	43.5	274.9	15,300	50.8	283.3	12,600							160
170				18.7	224.7	17,900	27.3	243.9	16,400	37.6	263.2	13,900	45.7	274.4	11,400	52.6	280.3	9,000				170
180							17.2	219.5	15,000	30.8	248.5	12,700	40.1	263.7	10,300	47.6	272.0	8,100				180
190										22.3	228.5	11,600	33.7	250.4	9,400	42.2	262.0	7,300	43.9	258.2	4,600	190
200										7.2	190.4	10,500	26.1	233.0	8,500	36.2	249.7	6,500	38.1	246.7	4,000	200
210													15.2	206.4	7,700	29.1	234.1	5,800				210
220																19.8	212.0	5,200				220