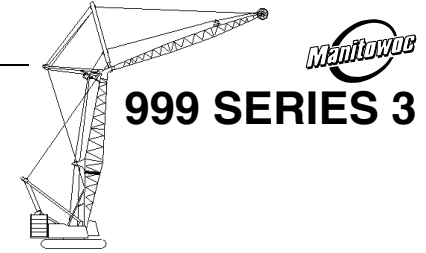


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and 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.

190 Ft. boom length without intermediate fall in luffing jib requires only the middle two sheaves in the lower boom point; all other sheaves must be removed from lower boom point.

Lower boom point assembly must be completely removed from:

- 190 Ft. and 200 Ft. boom lengths with intermediate fall in luffing jib and
- 200 Ft. boom length without intermediate fall in luffing jib.

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** or **No. A09286** (Boom No. 22EL) or **No. 196200** or **No. A09287** (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**.

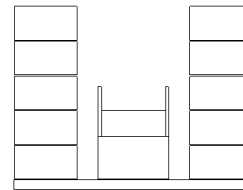
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between

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, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Consult chart **No. 8243-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8584-A** for intermediate fall capacities. Consult chart **No. 8586-A** for intermediate fall capacities with fixed jib attached. Chart **No. 8243-A** and **No. 8584-A** cannot be used when fixed jib No. 138 is attached to luffing jib No. 135.



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

Intermediate Fall Deduct

Deduct 1,500 Lbs. From Capacities
When Luffing Jib Is Equipped
With Intermediate Fall.

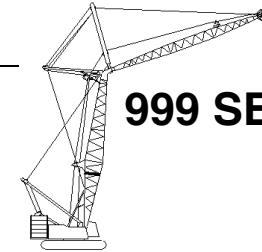
Deduct From Luffing Jib Capacities When Fixed Jib Is Attached	
Fixed Jib Length	Fixed Jib No.138
30 Ft.	2,300 Lbs.
40 Ft.	2,700 Lbs.
50 Ft.	3,100 Lbs.
60 Ft.	3,600 Lbs.



Liftcrane Luffing Jib Capacities

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 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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999 SERIES 3

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	100,400 *b	64.1	139.6	104,300 *b													50
55	49.7	131.3	89,900 *	55.9	135.2	95,900 *b	59.4	136.9	99,500 *b													55
60	44.1	126.6	84,300 *	50.8	131.5	91,900 *	54.5	133.6	95,200 *b	60.3	135.9	100,400 *b										60
65	37.8	120.9	75,600 *	45.3	127.0	86,600 *	49.3	129.7	91,400 *	55.4	132.7	96,200 *b										65
70	30.5	113.5	68,300 *	39.2	121.5	77,500 *	43.7	125.0	84,000 *	50.3	129.0	92,500 *	56.2	131.2	91,900 b							70
75	21.1	103.1	55,800 *	32.2	114.6	69,900 *	37.4	119.1	75,400 *	44.8	124.4	85,900 *	51.1	127.6	84,400							75
80				23.4	105.1	62,500 *	30.0	111.6	68,100 *	38.6	118.8	77,000 *	45.6	123.1	78,000	51.7	125.5	76,100				80
85				8.5	87.6	46,800 *	20.4	101.0	60,800 *	31.5	111.6	69,500 *	39.6	117.7	72,500	46.3	121.2	70,700				85
90										22.4	101.8	63,100 *	32.6	110.8	67,600	40.3	115.8	65,900	46.7	118.5	64,300	90
95										5.2	81.5	49,300 *	24.0	101.6	63,200	33.5	109.2	61,700	40.7	113.2	60,200	95
100													10.0	85.2	56,800 *	25.1	100.3	57,900	34.0	106.7	56,500	100
105																12.4	85.5	54,500	25.7	98.0	53,200	105
110																			13.6	84.0	50,200	110

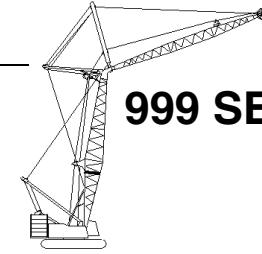
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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999 SERIES 3

70 Ft. Boom, 80 Ft. Jib

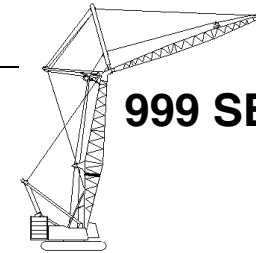
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.7	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	97,300 *b													50
55	55.5	143.9	83,200 *	60.6	147.0	89,200 *b	63.6	148.2	92,700 *b													55
60	51.0	140.1	79,600 *	56.4	143.9	85,100 *	59.5	145.5	88,400 *b													60
65	46.3	135.7	75,800 *	52.0	140.3	81,400 *	55.2	142.3	84,400 *	60.2	144.6	89,100 *b										65
70	41.1	130.5	68,600 *	47.3	136.1	77,700 *	50.7	138.6	80,800 *	56.0	141.4	85,300 *										70
75	35.3	124.2	62,400 *	42.2	131.0	70,200 *	45.9	134.1	75,500 *	51.6	137.8	81,800 *	56.7	139.9	84,100							75
80	28.5	116.1	57,100 *	36.6	125.0	63,800 *	40.7	128.8	68,400 *	46.9	133.5	77,100 *	52.3	136.4	77,700							80
85	19.7	104.9	47,200 *	30.1	117.4	58,300 *	34.9	122.4	62,300 *	41.7	128.3	69,700 *	47.6	132.2	72,200	52.8	134.3	70,300				85
90				21.9	107.1	52,800 *	28.0	114.2	57,000 *	36.0	122.1	63,400 *	42.5	127.2	67,300	48.1	130.1	65,600				90
95				7.9	88.3	40,200 *	19.0	102.7	51,600 *	29.4	114.4	58,000 *	36.9	121.2	63,000	43.1	125.3	61,400				95
100										21.0	103.7	53,300 *	30.5	113.7	58,900 *	37.6	119.4	57,700	43.5	122.6	56,200	100
105										4.9	81.9	42,600 *	22.4	103.6	54,100 *	31.3	112.1	54,300	38.0	116.8	53,000	105
110													9.3	86.0	49,000 *	23.5	102.4	51,300	31.7	109.6	50,000	110
115																11.6	86.6	48,500	24.1	100.2	47,300	115
120																			12.7	85.1	44,800	120



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
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 The Scope of ANSI B30.5



999 SERIES 3

70 Ft. Boom, 90 Ft. Jib

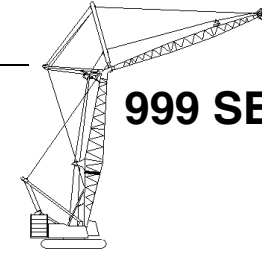
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	77,800 *													60
65	52.1	148.9	67,300 *	56.8	152.6	71,900 *	59.5	154.2	74,400 *													65
70	47.9	144.8	64,600 *	52.9	149.1	68,900 *	55.8	151.0	71,400 *	60.2	153.2	75,000 *										70
75	43.5	139.9	62,200 *	48.8	145.0	66,100 *	51.8	147.4	68,500 *	56.5	150.1	72,100 *										75
80	38.6	134.1	57,800 *	44.5	140.3	63,600 *	47.7	143.1	65,800 *	52.6	146.6	69,300 *	57.1	148.6	72,100 *							80
85	33.2	127.2	53,200 *	39.7	134.8	59,000 *	43.2	138.2	63,000 *	48.4	142.4	66,700 *	53.2	145.1	69,600 *							85
90	26.8	118.6	49,100 *	34.4	128.2	54,300 *	38.3	132.4	57,700 *	44.0	137.7	64,200 *	49.1	141.1	67,100 *							90
95	18.6	106.6	40,800 *	28.3	120.0	50,100 *	32.8	125.4	53,100 *	39.2	132.0	58,700 *	44.7	136.4	62,900 *	49.6	139.1	61,200				95
100				20.6	109.0	45,600 *	26.4	116.6	49,100 *	33.9	125.3	54,000 *	40.0	130.9	59,000	45.2	134.5	57,500				100
105				7.5	89.0	35,200 *	17.9	104.3	44,800 *	27.7	116.9	49,900 *	34.8	124.4	54,800 *	40.6	129.1	54,200	45.5	131.8	52,800	105
110										19.7	105.5	46,100 *	28.7	116.3	50,600 *	35.4	122.7	51,200	40.9	126.5	49,800	110
115										4.6	82.3	37,500 *	21.1	105.5	46,800 *	29.4	114.8	48,400	35.7	120.1	47,200	115
120													8.8	86.8	43,000 *	22.1	104.4	45,900	29.9	112.4	44,800	120
125																10.9	87.6	43,600	22.7	102.2	42,500	125
130																			11.9	86.2	40,400	130



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
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999 SERIES 3

70 Ft. Boom, 100 Ft. Jib

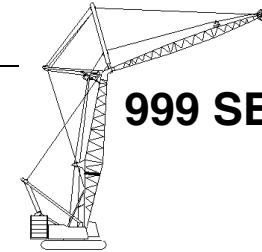
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	72,200 *													60
65	56.4	161.3	62,300 *	60.5	164.3	66,600 *	62.9	165.6	69,100 *													65
70	52.9	157.7	59,600 *	57.2	161.3	63,700 *	59.6	162.9	66,000 *													70
75	49.2	153.7	57,200 *	53.7	157.8	61,000 *	56.2	159.7	63,200 *	60.2	161.9	66,500 *										75
80	45.3	149.1	54,900 *	50.0	153.9	58,500 *	52.7	156.1	60,600 *	56.8	158.8	63,800 *										80
85	41.1	143.7	52,800 *	46.2	149.4	56,200 *	49.0	152.1	58,200 *	53.3	155.3	61,300 *	57.4	157.3	63,800 *							85
90	36.6	137.5	49,200 *	42.1	144.3	54,000 *	45.1	147.4	55,900 *	49.7	151.3	58,900 *	53.9	153.9	61,500 *							90
95	31.5	130.1	45,600 *	37.6	138.3	50,100 *	40.9	142.0	53,100 *	45.8	146.8	56,700 *	50.2	150.0	59,300 *							95
100	25.4	120.9	42,300 *	32.6	131.2	46,500 *	36.3	135.8	49,100 *	41.7	141.6	54,000 *	46.4	145.5	57,100 *	50.7	147.9	57,200				100
105	17.6	108.2	35,400 *	26.8	122.4	43,200 *	31.1	128.3	45,600 *	37.1	135.5	49,900 *	42.3	140.4	54,800 *	46.9	143.5	53,800				105
110				19.5	110.7	39,500 *	25.0	118.9	42,400 *	32.1	128.2	46,300 *	37.9	134.5	50,600 *	42.8	138.5	50,900	47.1	140.8	47,600 *	110
115				7.1	89.6	30,900 *	17.0	105.9	39,000 *	26.2	119.3	43,000 *	32.9	127.4	46,900 *	38.4	132.7	48,100	43.1	135.9	46,900	115
120										18.7	107.2	40,100 *	27.2	118.8	43,600 *	33.5	125.8	45,700	38.7	130.1	44,400	120
125										4.4	82.7	33,000 *	20.0	107.3	40,600 *	27.9	117.4	43,400	33.8	123.3	42,200	125
130													8.3	87.6	37,700 *	21.0	106.3	41,000 *	28.3	115.0	40,200	130
135																10.3	88.5	38,100 *	21.5	104.2	38,300	135
140																			11.3	87.2	36,500	140



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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999 SERIES 3

70 Ft. Boom, 110 Ft. Jib

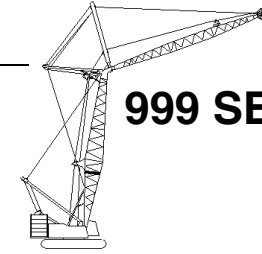
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	63,400 *													70
75	53.6	166.5	55,300 *	57.4	170.0	58,800 *	59.6	171.5	60,800 *													75
80	50.3	162.5	53,100 *	54.3	166.6	56,400 *	56.6	168.4	58,300 *	60.2	170.5	61,100 *										80
85	46.8	158.1	51,100 *	51.0	162.8	54,200 *	53.4	164.9	56,000 *	57.1	167.5	58,700 *										85
90	43.1	153.1	49,300 *	47.6	158.4	52,200 *	50.1	160.9	53,900 *	54.0	164.1	56,500 *	57.6	166.0	58,600 *							90
95	39.1	147.4	45,700 *	43.9	153.6	50,200 *	46.6	156.5	51,900 *	50.7	160.2	54,400 *	54.5	162.6	56,500 *							95
100	34.8	140.8	42,600 *	40.0	148.0	46,600 *	42.9	151.4	49,200 *	47.2	155.8	52,400 *	51.2	158.8	54,600 *							100
105	30.0	132.9	39,800 *	35.8	141.6	43,400 *	38.9	145.7	45,700 *	43.6	150.9	50,000 *	47.8	154.5	52,700 *	51.6	156.7	53,800				105
110	24.2	123.1	34,900 *	31.1	134.0	40,500 *	34.5	139.0	42,600 *	39.6	145.3	46,400 *	44.1	149.7	50,600 *	48.2	152.5	50,800				110
115	16.8	109.7	29,400 *	25.6	124.7	37,900 *	29.6	131.0	39,800 *	35.4	138.8	43,200 *	40.3	144.2	47,000 *	44.6	147.7	48,100				115
120				18.6	112.4	32,800 *	23.8	121.0	37,200 *	30.6	131.0	40,400 *	36.0	137.8	43,700 *	40.7	142.3	45,700	44.8	145.1	43,400 *	120
125				6.8	90.2	25,800 *	16.2	107.3	32,500 *	25.0	121.6	37,800 *	31.3	130.3	40,800 *	36.5	136.1	43,400	41.0	139.7	42,200	125
130										17.8	108.8	35,300 *	25.9	121.1	38,200 *	31.9	128.7	41,200 *	36.8	133.5	40,200	130
135										4.2	83.1	27,700 *	19.1	109.1	35,800 *	26.6	119.8	38,500 *	32.2	126.2	38,400	135
140													7.9	88.3	31,800 *	20.0	108.2	36,100 *	27.0	117.4	36,600	140
145																9.9	89.4	33,800 *	20.5	106.0	35,000	145
150																			10.8	88.2	33,500	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

70 Ft. Boom, 120 Ft. Jib

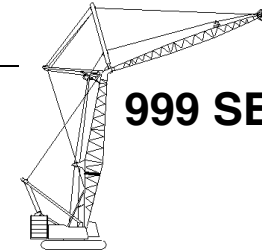
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	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	54,000 *	62.9	181.9	56,300 *										80
85	51.1	171.4	47,000 *	54.8	175.3	50,000 *	56.8	177.1	51,700 *	60.2	179.2	54,300 *										85
90	48.0	167.1	45,100 *	51.8	171.6	48,000 *	53.9	173.6	49,600 *	57.4	176.2	52,100 *										90
95	44.7	162.3	43,300 *	48.7	167.4	46,000 *	50.9	169.8	47,600 *	54.5	172.8	50,000 *	57.8	174.6	51,900 *							95
100	41.2	157.0	41,700 *	45.4	162.7	44,200 *	47.8	165.5	45,700 *	51.5	169.0	48,000 *	54.9	171.3	50,000 *							100
105	37.4	150.9	39,700 *	42.0	157.5	42,500 *	44.5	160.7	43,900 *	48.4	164.8	46,200 *	52.0	167.6	48,100 *							105
110	33.3	143.8	37,200 *	38.3	151.6	40,400 *	41.0	155.3	42,200 *	45.1	160.1	44,400 *	48.9	163.5	46,300 *	52.3	165.5	47,800 *				110
115	28.6	135.5	34,900 *	34.2	144.7	37,800 *	37.2	149.1	39,700 *	41.6	154.8	42,700 *	45.6	158.8	44,600 *	49.2	161.4	46,200 *				115
120	23.2	125.2	30,500 *	29.7	136.7	35,500 *	33.0	142.0	37,200 *	37.9	148.8	40,200 *	42.2	153.6	43,000 *	46.0	156.9	44,600 *				120
125		111.2	25,800 *	24.5	126.9	33,300 *	28.3	133.6	34,900 *	33.8	141.9	37,700 *	38.5	147.7	40,700 *	42.6	151.7	43,100 *	46.2	154.2	37,000 *	125
130				17.8	114.0	28,900 *	22.8	123.1	32,800 *	29.2	133.7	35,400 *	34.5	141.0	38,100 *	38.9	145.9	41,100 *	42.8	149.1	36,100 *	130
135				6.5	90.8	22,800 *	15.5	108.7	28,700 *	23.9	123.7	33,200 *	30.0	133.0	35,800 *	34.9	139.3	38,500 *	39.2	143.3	35,900 *	135
140										17.1	110.3	31,200 *	24.8	123.4	33,600 *	30.5	131.5	36,100 *	35.2	136.7	36,300 *	140
145										4.0	83.4	24,600 *	18.3	110.7	31,600 *	25.4	122.1	33,900 *	30.8	129.1	34,700 *	145
150													7.6	89.0	28,300 *	19.1	109.9	31,800 *	25.8	119.8	33,300 *	150
155																9.4	90.2	29,900 *	19.6	107.8	31,900 *	155
160																		10.3	89.1	30,100 *		160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

70 Ft. Boom, 130 Ft. Jib

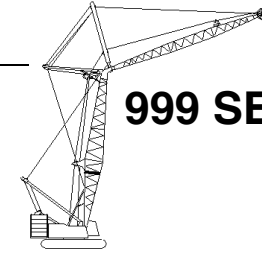
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	74.2	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	48,400 *	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	44,200 *										90
95	49.0	176.0	37,200 *	52.4	180.3	39,400 *	54.4	182.4	40,600 *	57.6	184.8	42,500 *										95
100	46.0	171.5	35,700 *	49.6	176.3	37,800 *	51.7	178.6	39,100 *	54.9	181.5	40,900 *	58.0	183.3	42,300 *							100
105	42.8	166.4	34,400 *	46.7	171.8	36,400 *	48.8	174.4	37,600 *	52.2	177.8	39,400 *	55.3	180.0	40,800 *							105
110	39.5	160.6	33,100 *	43.5	166.8	35,000 *	45.8	169.8	36,100 *	49.3	173.7	37,900 *	52.6	176.4	39,400 *							110
115	35.9	154.2	32,000 *	40.2	161.3	33,700 *	42.6	164.7	34,800 *	46.4	169.2	36,500 *	49.8	172.3	38,000 *	52.9	174.3	39,100 *				115
120	31.9	146.7	30,900 *	36.7	155.0	32,500 *	39.3	158.9	33,500 *	43.2	164.2	35,100 *	46.8	167.9	36,600 *	50.1	170.3	37,800 *				120
125	27.5	138.0	29,900 *	32.8	147.8	31,400 *	35.7	152.4	32,300 *	39.9	158.5	33,900 *	43.7	162.9	35,300 *	47.2	165.9	36,500 *				125
130	22.3	127.2	27,100 *	28.5	139.3	30,400 *	31.7	144.9	31,200 *	36.3	152.1	32,700 *	40.4	157.4	34,100 *	44.1	161.0	35,300 *	47.4	163.2	36,100 *	130
135	15.4	112.6	23,000 *	23.5	129.1	29,500 *	27.2	136.0	30,200 *	32.4	144.8	31,600 *	36.9	151.2	32,900 *	40.8	155.5	34,100 *	44.3	158.3	35,000 *	135
140				17.1	115.6	25,800 *	21.9	125.1	29,300 *	28.1	136.3	30,600 *	33.1	144.0	31,800 *	37.3	149.4	33,000 *	41.0	152.9	33,900 *	140
145				6.2	91.3	20,400 *	14.9	110.0	25,700 *	23.0	125.8	29,600 *	28.8	135.7	30,800 *	33.5	142.4	31,900 *	37.6	146.8	32,900 *	145
150										16.4	111.8	28,000 *	23.8	125.5	29,900 *	29.3	134.2	30,900 *	33.8	139.8	31,900 *	150
155										3.8	83.8	22,100 *	17.6	112.3	28,300 *	24.4	124.3	30,000 *	33.8	131.7	30,900 *	155
160													7.3	89.6	25,500 *	18.4	111.5	28,600 *	24.8	122.0	30,000 *	160
170																			9.9	90.0	27,000 *	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

70 Ft. Boom, 140 Ft. Jib

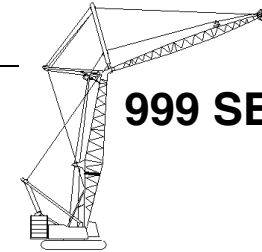
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	37,300 *										100
105	47.1	180.5	31,100 *	50.4	185.1	33,000 *	52.3	187.4	34,100 *	55.3	190.2	35,800 *										105
110	44.2	175.6	29,800 *	47.7	180.8	31,700 *	49.7	183.3	32,700 *	52.8	186.6	34,400 *	55.7	188.7	35,800 *							110
115	41.2	170.2	28,600 *	44.9	176.0	30,400 *	46.9	178.9	31,400 *	50.1	182.6	33,000 *	53.2	185.1	34,400 *							115
120	38.0	164.2	27,500 *	41.9	170.7	29,200 *	44.0	173.9	30,100 *	47.4	178.2	31,700 *	50.6	181.2	33,100 *							120
125	34.6	157.3	26,400 *	38.7	164.8	28,000 *	41.0	168.5	28,900 *	44.6	173.4	30,500 *	47.9	176.9	31,800 *	50.9	179.1	32,900 *				125
130	30.8	149.5	25,500 *	35.3	158.2	26,900 *	37.8	162.4	27,800 *	41.6	168.0	29,300 *	45.0	172.1	30,600 *	48.2	174.9	31,700 *				130
135	26.5	140.4	24,600 *	31.6	150.6	25,900 *	34.3	155.5	26,700 *	38.4	162.1	28,100 *	42.1	166.9	29,400 *	45.4	170.2	30,600 *				135
140	21.4	129.1	23,800 *	27.5	141.8	25,000 *	30.5	147.7	25,700 *	35.0	155.4	27,000 *	38.9	161.0	28,300 *	42.4	165.0	29,500 *	45.5	167.5	30,300 *	140
145	14.9	113.9	20,300 *	22.6	131.1	24,100 *	26.2	138.4	24,800 *	31.2	147.7	26,000 *	35.5	154.4	27,200 *	39.3	159.2	28,400 *	42.6	162.3	29,300 *	145
150				16.5	117.0	22,900 *	21.1	127.0	24,000 *	27.0	138.7	25,100 *	31.8	146.9	26,200 *	35.9	152.7	27,300 *	39.5	156.6	28,300 *	150
155				6.0	91.9	18,100 *	14.4	111.3	22,800 *	22.1	127.8	24,300 *	27.7	138.2	25,300 *	32.3	145.3	26,300 *	36.1	150.1	27,300 *	155
160										15.8	113.2	23,600 *	22.9	127.6	24,500 *	28.2	136.7	25,400 *	32.5	142.8	26,300 *	160
170													7.0	90.2	22,800 *	17.7	113.1	23,900 *	23.8	124.2	24,700 *	170
180																			9.6	90.8	23,500 *	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

70 Ft. Boom, 150 Ft. Jib

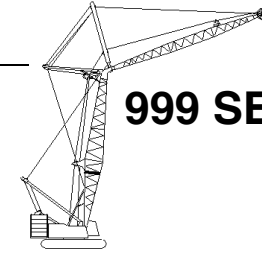
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	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	30,100 *	56.0	197.4	31,400 *							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	30,200 *							120
125	39.8	173.9	23,800 *	43.3	180.1	25,300 *	45.2	183.1	26,200 *	48.3	187.2	27,600 *	51.2	190.0	28,900 *							125
130	36.7	167.5	22,800 *	40.4	174.5	24,200 *	42.5	177.9	25,100 *	45.7	182.5	26,500 *	48.7	185.8	27,800 *	51.5	188.0	28,800 *				130
135	33.3	160.4	21,900 *	37.4	168.3	23,200 *	39.6	172.2	24,000 *	43.0	177.4	25,400 *	46.1	181.2	26,600 *	49.0	183.8	27,700 *				135
140	29.7	152.2	21,000 *	34.1	161.3	22,200 *	36.5	165.8	23,000 *	40.1	171.8	24,300 *	43.4	176.2	25,500 *	46.4	179.2	26,600 *				140
145	25.6	142.7	20,100 *	30.5	153.4	21,300 *	33.1	158.6	22,100 *	37.1	165.5	23,300 *	40.6	170.6	24,500 *	43.7	174.3	25,500 *	46.6	176.6	26,400 *	145
150	20.7	131.0	19,400 *	26.5	144.2	20,500 *	29.4	150.3	21,200 *	33.8	158.5	22,300 *	37.5	164.5	23,500 *	40.9	168.8	24,500 *	43.9	171.6	25,400 *	150
155	14.4	115.2	18,200 *	21.8	133.1	19,700 *	25.3	140.7	20,300 *	30.1	150.4	21,400 *	34.3	157.6	22,500 *	37.9	162.7	23,500 *	41.1	166.2	24,400 *	155
160				15.9	118.5	19,100 *	20.4	128.8	19,600 *	26.1	141.1	20,600 *	30.7	149.7	21,600 *	34.7	155.9	22,600 *	38.1	160.1	23,500 *	160
170										15.3	114.6	19,200 *	22.1	129.6	20,000 *	27.2	139.2	20,900 *	31.4	145.7	21,700 *	170
180													6.8	90.8	19,000 *	17.1	114.6	19,500 *	23.0	126.2	20,200 *	180
190																			9.2	91.7	19,100 *	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

70 Ft. Boom, 160 Ft. Jib

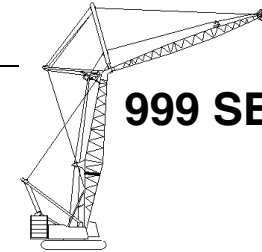
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	23,600 *	52.1	196.7	24,600 *				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	22,600 *	49.8	192.7	23,600 *				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	21,500 *	47.4	188.3	22,500 *				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	20,500 *	44.9	183.5	21,600 *	47.5	185.6	22,400 *	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	19,600 *	42.3	178.2	20,600 *	45.0	180.8	21,400 *	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	18,700 *	39.5	172.4	19,700 *	42.5	175.6	20,500 *	160
170				15.4	119.8	14,800 *	19.7	130.6	15,300 *	25.3	143.4	16,100 *	29.7	152.4	17,000 *	33.5	158.9	17,900 *	36.8	163.5	18,800 *	170
180										14.8	115.9	14,900 *	21.4	131.5	15,600 *	26.3	141.6	16,400 *	30.4	148.4	17,200 *	180
190													6.6	91.4	14,300 *	16.5	116.1	15,100 *	22.3	128.2	15,800 *	190
200																			9.0	92.5	14,500 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	21,200 *				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	20,300 *				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	19,300 *				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	18,400 *				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	17,500 *	46.0	189.9	18,300 *	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	15,800 *	41.1	179.4	16,600 *	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	15,100 *	180
190										14.3	117.2	10,800 *	20.8	133.4	11,800 *	25.5	143.9	12,700 *	29.4	151.1	13,600 *	190
200													6.4	92.0	10,300 *	16.0	117.5	11,100 *	21.6	130.2	11,900 *	200
210																			8.7	93.2	10,400 *	210

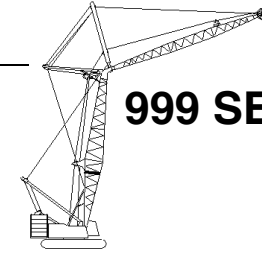
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 70 Ft. Jib

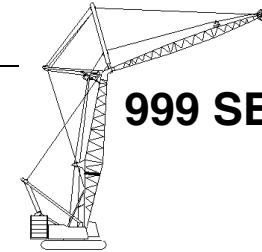
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	101,400 *b																50
55	50.0	141.6	90,000 *	57.1	146.0	96,800 *b	61.0	147.7	100,900 *b													55
60	44.5	137.0	86,000 *	52.1	142.4	92,800 *	56.2	144.7	96,600 *b	62.7	147.0	102,500 *b										60
65	38.3	131.3	77,000 *	46.7	138.1	89,200 *	51.2	141.0	92,700 *	58.0	144.1	98,300 *b										65
70	31.1	124.1	69,500 *	40.8	132.9	80,500 *	45.7	136.6	88,500 *	53.0	140.7	93,300 b										70
75	21.9	114.0	60,300 *	34.0	126.4	72,500 *	39.7	131.1	79,100 *	47.7	136.5	85,700	54.6	139.6	83,200 b							75
80	2.0	90.3	41,500 *	25.8	117.7	65,600 *	32.7	124.3	71,300 *	41.9	131.5	79,200	49.4	135.6	76,900							80
85				13.7	103.7	54,600 *	24.1	115.1	64,600 *	35.3	125.2	73,500	43.8	130.9	71,400	50.9	133.9	69,300				85
90							10.2	98.9	53,300 *	27.4	117.0	67,000 *	37.5	125.1	66,600	45.4	129.5	64,600				90
95										16.5	104.6	60,900 *	30.2	117.6	62,300	39.3	124.0	60,500	46.7	127.1	58,700	95
100													20.6	107.1	58,500	32.3	117.1	56,800	40.7	121.9	55,200	100
105																23.6	107.6	53,500	34.0	115.3	52,000	105
110																8.9	90.5	50,400	25.7	106.6	49,100	110
115																			13.6	92.6	46,400	115



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 80 Ft. Jib

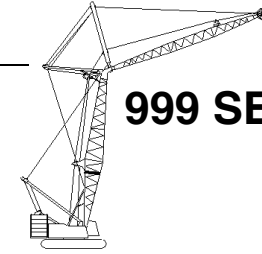
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	94,700 *b																50
55	55.8	154.1	83,400 *	61.6	157.6	90,200 *b	64.9	158.9	94,100 *b													55
60	51.4	150.4	79,800 *	57.5	154.6	86,000 *	60.9	156.4	89,700 *b													60
65	46.6	146.1	76,500 *	53.1	151.2	82,200 *	56.7	153.3	85,700 *	62.4	155.6	91,100 *b										65
70	41.5	140.9	69,800 *	48.5	147.1	78,800 *	52.3	149.8	82,000 *	58.2	152.8	87,200 *										70
75	35.7	134.6	63,500 *	43.5	142.3	72,700 *	47.7	145.6	78,700 *	53.9	149.4	83,600 *										75
80	29.0	126.7	58,100 *	38.0	136.5	66,000 *	42.6	140.6	71,600 *	49.3	145.5	78,900 *	55.3	148.3	76,500							80
85	20.4	115.9	51,100 *	31.8	129.3	60,300 *	37.0	134.6	65,100 *	44.4	140.8	73,300	50.8	144.5	71,100							85
90	1.8	90.5	35,900 *	24.1	119.9	55,300 *	30.6	127.1	59,400 *	39.1	135.2	67,400 *	46.0	140.1	66,300	52.1	142.7	64,300				90
95				12.8	104.9	46,800 *	22.5	117.1	54,500 *	33.0	128.3	61,500 *	40.8	134.8	62,100	47.4	138.5	60,200				95
100							9.5	99.7	45,900 *	25.6	119.4	56,300 *	35.0	128.4	58,300	42.3	133.5	56,500				100
105										15.4	106.0	51,700 *	28.2	120.2	54,900	36.7	127.4	53,300	43.5	131.3	51,600	105
110													19.3	108.9	51,800	30.2	119.8	50,300	38.0	125.5	48,800	110
115																22.0	109.6	47,600	31.7	118.3	46,200	115
120																8.4	91.2	45,000	24.1	108.8	43,800	120
125																			12.7	93.8	41,500	125



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 90 Ft. Jib

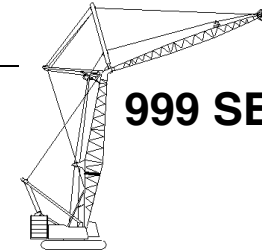
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75,800 *	64.4	167.6	78,800 *b													60
65	52.4	159.2	67,400 *	57.8	163.3	72,500 *	60.8	165.0	75,400 *													65
70	48.2	155.1	64,800 *	53.9	159.9	69,600 *	57.1	162.0	72,400 *	62.1	164.3	76,500 *										70
75	43.8	150.2	62,400 *	49.9	156.0	66,800 *	53.2	158.5	69,400 *	58.4	161.4	73,500 *										75
80	39.0	144.6	58,800 *	45.6	151.5	64,300 *	49.1	154.5	66,800 *	54.6	158.1	70,700 *										80
85	33.6	137.8	54,100 *	40.9	146.1	61,000 *	44.8	149.8	64,300 *	50.6	154.3	68,000 *	55.8	157.0	70,900							85
90	27.3	129.3	49,900 *	35.8	139.8	56,000 *	40.1	144.4	60,200 *	46.4	149.9	65,600 *	51.9	153.3	66,100							90
95	19.3	117.6	44,200 *	29.9	132.1	51,600 *	34.8	137.8	55,300 *	41.8	144.7	62,200 *	47.7	149.1	61,900	53.0	151.5	60,000				95
100	1.7	90.6	31,600 *	22.7	122.0	47,700 *	28.8	129.8	51,000 *	36.7	138.6	57,100 *	43.3	144.2	58,100	48.9	147.5	56,300				100
105				12.0	106.0	40,900 *	21.2	119.1	47,200 *	31.0	131.2	52,600 *	38.4	138.4	54,800	44.5	142.7	53,100				105
110							9.0	100.5	40,300 *	24.2	121.6	48,600 *	32.9	131.4	51,700	39.8	137.2	50,100	45.5	140.4	48,600	110
115										14.5	107.3	44,900 *	26.5	122.7	49,000	34.5	130.6	47,500	40.9	135.1	46,000	115
120													18.1	110.5	46,200 *	28.4	122.5	45,000	35.7	128.8	43,600	120
125																20.8	111.5	42,800	29.9	121.0	41,400	125
130																7.9	92.0	40,600	22.7	110.9	39,400	130
135																			11.9	94.9	37,500	135



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 100 Ft. Jib

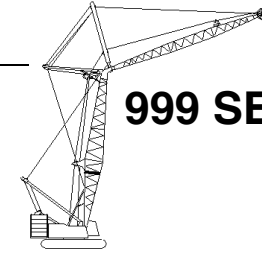
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	70,000 *													65
70	53.2	168.0	59,700 *	58.0	172.0	64,300 *	60.7	173.7	67,000 *													70
75	49.5	164.0	57,300 *	54.5	168.6	61,600 *	57.4	170.7	64,100 *	61.9	173.0	67,800 *										75
80	45.6	159.4	55,100 *	50.9	164.8	59,100 *	53.9	167.3	61,500 *	58.6	170.1	65,200 *										80
85	41.4	154.1	53,000 *	47.1	160.5	56,800 *	50.3	163.4	59,000 *	55.2	166.8	62,600 *										85
90	36.9	148.0	50,000 *	43.1	155.5	54,600 *	46.5	158.9	56,800 *	51.6	163.1	60,200 *	56.3	165.6	63,000 *							90
95	31.8	140.7	46,400 *	38.7	149.8	51,700 *	42.4	153.8	54,600 *	47.8	158.9	57,900 *	52.8	162.1	60,800 *							95
100	25.9	131.6	43,100 *	33.9	142.9	47,900 *	37.9	147.9	51,100 *	43.8	154.0	55,800 *	49.1	158.0	57,800 *							100
105	18.3	119.3	38,400 *	28.3	134.7	44,500 *	33.0	140.9	47,300 *	39.5	148.4	52,600 *	45.2	153.4	54,500 *	50.1	156.3	52,700 *				105
110	1.6	90.8	27,800 *	21.5	123.9	41,400 *	27.3	132.3	44,000 *	34.8	141.8	48,700 *	41.0	148.0	51,400 *	46.2	151.9	49,800 *				110
115				11.4	107.0	35,800 *	20.1	120.9	40,900 *	29.4	133.9	45,200 *	36.4	141.8	48,700 *	42.1	146.7	47,100 *	47.1	149.5	45,600 *	115
120							8.5	101.3	35,400 *	22.9	123.7	42,100 *	31.2	134.3	46,200 *	37.7	140.7	44,700 *	43.1	144.5	43,300 *	120
125										13.8	108.6	39,100 *	25.1	125.0	43,100 *	32.7	133.6	42,500 *	38.7	138.7	41,100 *	125
130													17.2	112.1	40,200 *	26.9	124.9	40,400 *	33.8	131.9	39,100 *	130
135																19.7	113.3	38,500 *	28.3	123.6	37,300 *	135
140																7.5	92.6	36,700 *	21.5	112.9	35,600 *	140
145																			11.3	95.9	34,000 *	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 110 Ft. Jib

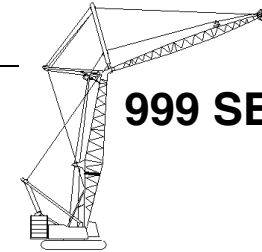
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	66,900 *													65
70	57.0	180.2	57,700 *	61.2	183.6	61,900 *	63.6	185.0	64,200 *													70
75	53.8	176.7	55,400 *	58.2	180.7	59,300 *	60.7	182.4	61,600 *													75
80	50.5	172.8	53,200 *	55.0	177.4	57,000 *	57.6	179.4	59,100 *	61.7	181.6	62,200 *										80
85	47.0	168.4	51,200 *	51.8	173.6	54,700 *	54.5	176.0	56,800 *	58.7	178.8	59,900 *										85
90	43.4	163.5	49,400 *	48.4	169.5	52,700 *	51.2	172.2	54,600 *	55.6	175.5	57,600 *										90
95	39.4	157.8	46,500 *	44.8	164.7	50,700 *	47.8	167.9	52,600 *	52.4	171.9	55,500 *	56.6	174.3	57,800 *							95
100	35.1	151.2	43,300 *	41.0	159.4	48,000 *	44.2	163.1	50,600 *	49.0	167.8	53,500 *	53.4	170.8	55,800 *							100
105	30.3	143.5	40,400 *	36.9	153.2	44,600 *	40.3	157.6	47,400 *	45.5	163.2	51,600 *	50.1	166.9	53,900 *							105
110	24.7	133.9	37,800 *	32.3	145.9	41,600 *	36.1	151.3	44,200 *	41.7	157.9	48,800 *	46.6	162.5	51,400 *	51.0	165.2	49,800				110
115	17.4	120.9	31,900 *	27.0	137.1	38,900 *	31.4	143.8	41,200 *	37.6	151.9	45,400 *	42.9	157.4	48,700	47.6	160.9	47,100				115
120	1.6	90.9	23,100 *	20.5	125.8	36,400 *	26.0	134.6	38,500 *	33.1	144.9	42,300 *	39.0	151.7	46,200	44.0	156.0	44,700				120
125				10.9	108.0	29,900 *	19.2	122.6	36,100 *	28.0	136.4	39,500 *	34.6	145.0	43,300 *	40.1	150.5	42,500	44.8	153.7	41,100	125
130							8.1	102.0	29,600 *	21.8	125.6	37,000 *	29.7	137.0	40,500 *	35.9	144.1	40,500	41.0	148.4	39,100	130
135										13.1	109.8	34,600 *	24.0	127.1	37,900 *	31.1	136.5	38,600	36.8	142.2	37,300	135
140													16.4	113.5	35,500 *	25.7	127.3	36,900	32.2	134.9	35,700	140
145																18.8	115.0	35,200	27.0	126.1	34,100	145
150																7.1	93.3	33,700	20.5	114.7	32,600	150
155																			10.8	96.8	31,200	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 120 Ft. Jib

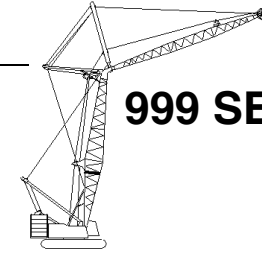
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.5	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	57,000 *													75
80	54.3	185.4	49,100 *	58.3	189.3	52,800 *	60.6	191.0	54,700 *													80
85	51.3	181.6	47,100 *	55.5	186.1	50,500 *	57.8	188.0	52,500 *	61.6	190.3	55,200 *										85
90	48.2	177.4	45,200 *	52.5	182.4	48,400 *	55.0	184.7	50,300 *	58.8	187.4	53,100 *										90
95	44.9	172.7	43,500 *	49.4	178.4	46,500 *	52.0	181.0	48,300 *	56.0	184.2	51,100 *										95
100	41.4	167.4	41,800 *	46.2	173.8	44,700 *	48.9	176.9	46,400 *	53.1	180.7	49,000 *	56.9	183.0	51,200 *							100
105	37.7	161.3	40,300 *	42.8	168.8	42,900 *	45.6	172.3	44,600 *	50.0	176.7	47,100 *	54.0	179.6	49,300 *							105
110	33.6	154.3	37,800 *	39.2	163.0	41,300 *	42.2	167.1	42,900 *	46.8	172.3	45,300 *	51.0	175.7	47,600 *							110
115	29.0	146.1	35,500 *	35.2	156.4	38,900 *	38.5	161.2	41,100 *	43.4	167.3	43,600 *	47.9	171.4	45,800 *	51.8	174.0	46,800				115
120	23.6	136.0	33,100 *	30.9	148.7	36,400 *	34.5	154.4	38,500 *	39.9	161.7	42,000 *	44.5	166.7	44,200 *	48.7	169.8	44,400				120
125	16.7	122.4	28,100 *	25.8	139.5	34,200 *	30.0	146.5	36,100 *	36.0	155.2	39,500 *	41.0	161.2	42,600 *	45.5	165.2	42,200				125
130	1.5	91.1	20,500 *	19.6	127.5	32,100 *	24.8	136.9	33,900 *	31.7	147.8	37,000 *	37.2	155.1	40,400 *	42.0	159.9	40,100	46.2	162.8	38,800	130
135				10.4	108.9	26,500 *	18.4	124.3	31,800 *	26.8	138.8	34,700 *	33.1	148.0	37,800 *	38.3	154.0	38,300	42.8	157.8	37,000	135
140							7.8	102.7	26,300 *	20.9	127.5	32,600 *	28.4	139.6	35,500 *	34.3	147.2	36,600	39.2	152.0	35,300	140
145										12.6	110.9	30,600 *	22.9	129.2	33,400 *	29.8	139.2	35,000	35.2	145.4	33,800	145
150													15.7	114.9	31,300 *	24.6	129.5	33,500	30.8	137.7	32,300	150
155																18.0	116.6	31,900 *	25.8	128.4	31,000	155
160																6.8	93.9	29,900 *	19.6	116.5	29,700	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 130 Ft. Jib

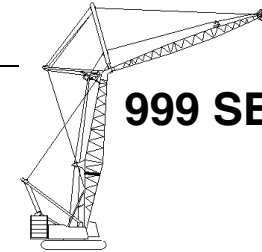
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	45,000 *										90
95	49.2	186.3	37,200 *	53.1	191.2	39,800 *	55.4	193.4	41,200 *	58.9	196.1	43,300 *										95
100	46.2	181.8	35,800 *	50.3	187.2	38,200 *	52.6	189.8	39,600 *	56.3	192.9	41,700 *										100
105	43.1	176.7	34,500 *	47.4	182.9	36,700 *	49.8	185.8	38,100 *	53.6	189.4	40,200 *	57.1	191.7	41,800 *							105
110	39.7	171.1	33,200 *	44.3	178.0	35,300 *	46.9	181.3	36,600 *	50.8	185.5	38,700 *	54.5	188.3	40,300 *							110
115	36.2	164.6	32,100 *	41.1	172.6	34,100 *	43.8	176.4	35,300 *	47.9	181.2	37,200 *	51.7	184.5	38,900 *							115
120	32.2	157.3	31,000 *	37.6	166.5	32,800 *	40.5	170.8	34,000 *	44.9	176.5	35,800 *	48.9	180.4	37,600 *	52.5	182.7	38,800 *				120
125	27.8	148.6	30,000 *	33.8	159.5	31,700 *	36.9	164.6	32,800 *	41.7	171.2	34,600 *	45.9	175.8	36,200 *	49.7	178.7	37,600 *				125
130	22.7	138.0	29,100 *	29.6	151.4	30,700 *	33.1	157.5	31,600 *	38.2	165.2	33,300 *	42.7	170.7	35,000 *	46.7	174.2	36,300 *				130
135	16.0	123.8	25,100 *	24.8	141.7	29,700 *	28.8	149.1	30,600 *	34.5	158.4	32,200 *	39.4	164.9	33,700 *	43.6	169.3	35,100 *	47.4	171.9	36,100 *	135
140	1.4	91.2	18,300 *	18.9	129.2	28,800 *	23.9	139.0	29,700 *	30.4	150.6	31,100 *	35.7	158.4	32,600 *	40.3	163.7	34,000 *	44.3	167.0	35,000 *	140
145				10.0	109.8	23,700 *	17.6	125.8	28,500 *	25.7	141.2	30,200 *	31.8	150.9	31,500 *	36.8	157.4	32,900 *	41.0	161.6	33,500 *	145
150							7.5	103.4	23,600 *	20.1	129.3	29,200 *	27.3	142.1	30,500 *	32.9	150.2	31,800 *	37.6	155.5	32,100 *	150
155										12.1	112.0	27,500 *	22.0	131.2	29,700 *	28.6	141.8	30,800 *	33.8	148.5	30,800 *	155
160													15.1	116.3	28,100 *	23.6	131.6	29,900 *	29.6	140.4	29,500 *	160
170																6.6	94.5	26,900 *	18.8	118.2	27,200 *	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 140 Ft. Jib

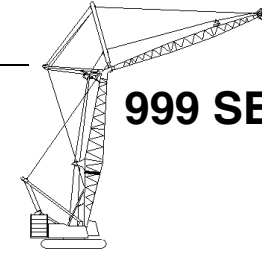
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	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	39,600 *										95
100	50.0	195.2	32,500 *	53.6	199.9	34,800 *	55.7	202.1	36,100 *	59.0	204.8	38,100 *										100
105	47.3	190.8	31,200 *	51.0	196.1	33,400 *	53.2	198.5	34,600 *	56.6	201.6	36,600 *										105
110	44.4	186.0	29,900 *	48.4	191.8	32,000 *	50.6	194.6	33,200 *	54.1	198.1	35,100 *	57.4	200.4	36,700 *							110
115	41.4	180.6	28,700 *	45.6	187.2	30,700 *	47.9	190.3	31,900 *	51.5	194.4	33,700 *	54.9	197.0	35,300 *							115
120	38.2	174.6	27,600 *	42.6	182.0	29,500 *	45.1	185.6	30,600 *	48.9	190.2	32,400 *	52.3	193.3	34,000 *							120
125	34.8	167.8	26,500 *	39.5	176.3	28,300 *	42.1	180.3	29,400 *	46.1	185.6	31,100 *	49.7	189.3	32,700 *							125
130	31.0	160.1	25,500 *	36.2	169.8	27,200 *	38.9	174.5	28,200 *	43.2	180.5	29,900 *	47.0	184.8	31,500 *	50.4	187.6	32,700 *				130
135	26.8	151.1	24,600 *	32.5	162.5	26,200 *	35.6	167.9	27,100 *	40.1	174.9	28,700 *	44.1	179.9	30,300 *	47.7	183.2	31,600 *				135
140	21.8	140.0	23,800 *	28.5	154.0	25,200 *	31.9	160.4	26,100 *	36.8	168.6	27,600 *	41.1	174.5	29,100 *	44.9	178.5	30,400 *				140
145	15.4	125.2	22,200 *	23.9	143.9	24,400 *	27.8	151.7	25,200 *	33.2	161.5	26,600 *	37.9	168.4	28,000 *	41.9	173.2	29,300 *	45.5	176.2	30,300 *	145
150	1.4	91.3	16,200 *	18.2	130.9	23,600 *	23.0	141.1	24,300 *	29.3	153.2	25,600 *	34.4	161.6	27,000 *	38.8	167.3	28,300 *	42.6	171.0	29,300 *	150
155				9.7	110.7	21,100 *	17.0	127.4	23,600 *	24.8	143.4	24,700 *	30.6	153.7	26,000 *	35.4	160.7	27,200 *	39.5	165.2	28,300 *	155
160							7.2	104.0	21,100 *	19.3	131.1	24,000 *	26.3	144.5	25,100 *	31.7	153.1	26,300 *	36.1	158.8	27,300 *	160
170													14.5	117.6	23,700 *	22.7	133.7	24,500 *	28.5	143.0	25,500 *	170
180																6.3	95.0	23,500 *	18.1	119.8	24,000 *	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 150 Ft. Jib

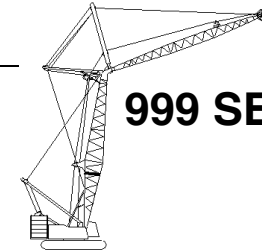
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	30,800 *	57.5	209.0	32,300 *							115
120	42.9	190.0	24,900 *	46.6	196.2	26,700 *	48.8	199.2	27,800 *	52.1	203.1	29,500 *	55.2	205.7	31,000 *							120
125	40.0	184.3	23,900 *	43.9	191.3	25,600 *	46.2	194.7	26,600 *	49.6	199.1	28,300 *	52.9	202.1	29,800 *							125
130	36.9	178.0	22,900 *	41.1	185.8	24,500 *	43.5	189.6	25,500 *	47.1	194.6	27,100 *	50.4	198.1	28,600 *							130
135	33.6	170.9	21,900 *	38.1	179.8	23,500 *	40.6	184.1	24,400 *	44.4	189.8	26,000 *	47.9	193.8	27,400 *	51.1	196.4	28,600 *				135
140	30.0	162.8	21,100 *	34.9	173.0	22,500 *	37.6	177.9	23,400 *	41.6	184.4	24,900 *	45.3	189.1	26,300 *	48.6	192.2	27,500 *				140
145	25.9	153.4	20,200 *	31.4	165.4	21,600 *	34.3	171.0	22,400 *	38.7	178.5	23,800 *	42.5	183.9	25,200 *	46.0	187.6	26,400 *				145
150	21.1	141.9	19,500 *	27.5	156.5	20,700 *	30.8	163.2	21,500 *	35.5	171.9	22,900 *	39.6	178.2	24,200 *	43.3	182.5	25,400 *	46.6	185.2	26,400 *	150
155	14.9	126.5	18,900 *	23.1	145.9	19,900 *	26.8	154.1	20,700 *	32.1	164.4	21,900 *	36.5	171.8	23,200 *	40.4	176.9	24,400 *	43.9	180.3	25,400 *	155
160	1.3	91.4	14,500 *	17.6	132.4	19,200 *	22.2	143.1	19,900 *	28.3	155.8	21,100 *	33.2	164.6	22,300 *	37.4	170.7	23,400 *	41.1	174.8	24,500 *	160
170							7.0	104.7	18,800 *	18.7	132.7	19,500 *	25.4	146.8	20,600 *	30.6	155.9	21,600 *	34.9	162.0	22,600 *	170
180													14.0	118.8	19,200 *	21.9	135.6	20,000 *	27.5	145.5	21,000 *	180
190																6.1	95.6	19,000 *	17.5	121.4	19,600 *	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

80 Ft. Boom, 160 Ft. Jib

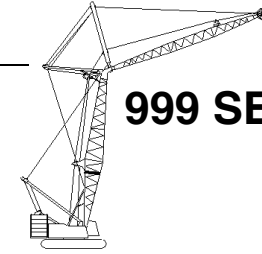
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	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	27,900 *							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	26,700 *							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	25,500 *							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	24,400 *							135
140	35.7	181.3	18,200 *	39.7	189.5	19,600 *	42.0	193.5	20,500 *	45.5	198.9	21,900 *	48.7	202.7	23,300 *	51.7	205.2	24,400 *				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	22,300 *	49.4	201.1	23,400 *				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	21,200 *	47.0	196.6	22,400 *				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	20,300 *	44.5	191.7	21,400 *	47.5	194.2	22,400 *	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	19,400 *	41.9	186.4	20,500 *	45.0	189.4	21,400 *	160
170	1.3	91.5	12,900 *	17.0	134.0	14,900 *	21.5	145.0	15,500 *	27.3	158.3	16,500 *	32.1	167.5	17,600 *	36.2	174.1	18,700 *	39.7	178.5	19,700 *	170
180							6.7	105.3	14,300 *	18.1	134.4	15,200 *	24.6	149.0	16,100 *	29.6	158.6	17,100 *	33.7	165.1	18,000 *	180
190													13.6	120.1	14,900 *	21.2	137.5	15,600 *	26.6	147.9	16,500 *	190
200																5.9	96.1	14,400 *	16.9	122.9	15,200 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	74.7	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 *										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	21,100 *				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	20,100 *				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	19,200 *				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	18,300 *				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	16,600 *	43.6	193.5	17,500 *	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	15,000 *	38.5	182.0	15,900 *	180
190							6.5	105.8	10,300 *	17.5	135.9	11,300 *	23.8	151.1	12,400 *	28.7	161.2	13,500 *	32.7	168.1	14,400 *	190
200													13.2	121.2	10,800 *	20.6	139.4	11,800 *	25.8	150.2	12,800 *	200
210																5.7	96.6	10,300 *	16.4	124.3	11,200 *	210

Liftcrane Luffing Jib Capacities

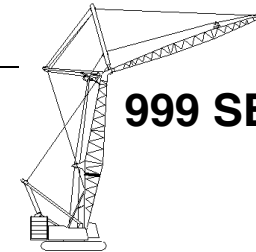
Luffing Jib No. 135 On Boom No. 82 or 22EL

219,600 Lb. Crane Counterweight

80,000 Lb. Carbody Counterweight

360 Degree Rating

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



999 SERIES 3

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	60.4	158.8	96,900 *b																			45
50	55.5	155.7	94,000 *b	63.0	159.5	102,400 *b																50
55	50.4	151.9	90,200 *	58.3	156.7	97,800 *b	62.7	158.5	102,500 *b													55
60	44.9	147.3	86,700 *	53.3	153.3	93,700 *b	57.9	155.6	98,000 *b													60
65	38.7	141.7	78,100 *	48.0	149.2	90,100 *	53.0	152.2	94,000 *b	60.4	155.3	100,300 *b										65
70	31.6	134.6	70,500 *	42.3	144.2	83,300 *	47.7	148.0	90,400 *	55.6	152.2	92,200 b										70
75	22.6	124.9	63,800 *	35.8	138.0	74,800 *	41.8	143.0	82,600 *	50.5	148.4	84,700	58.0	151.2	81,800 b							75
80	6.0	105.3	46,300 *	28.0	130.0	67,700 *	35.3	136.7	74,400 *	45.0	143.9	78,300	53.0	147.8	75,600							80
85				17.4	118.1	61,400 *	27.4	128.5	67,300 *	38.8	138.3	72,700	47.7	143.7	70,200							85
90							16.4	116.1	61,100 *	31.7	131.2	67,800	41.9	138.6	65,500	50.1	142.4	63,200				90
95										22.8	121.5	63,500	35.3	132.4	61,300	44.5	137.8	59,200				95
100										6.6	102.5	56,100 *	27.5	124.2	57,600	38.3	132.1	55,600	46.7	135.8	53,700	100
105													16.5	111.8	54,200	31.1	124.9	52,400	40.7	130.6	50,500	105
110																22.0	114.9	49,400	34.0	124.0	47,700	110
115																2.6	91.9	46,600	25.7	115.3	45,200	115
120																			13.6	101.3	42,800	120

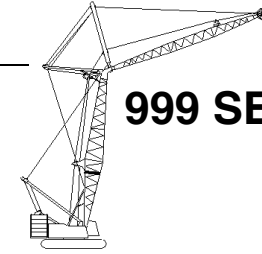
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 80 Ft. Jib

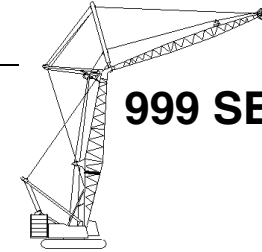
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	91,100 *b	66.3	169.6	95,400 *b													55
60	51.7	160.7	80,000 *	58.5	165.3	87,000 *b	62.3	167.2	91,100 *b													60
65	47.0	156.4	76,700 *	54.2	162.0	83,100 *	58.2	164.3	87,000 *													65
70	41.8	151.3	70,800 *	49.6	158.1	79,700 *	53.9	160.9	83,300 *	60.4	164.0	89,100 *b										70
75	36.1	145.1	64,400 *	44.8	153.5	75,100 *	49.3	157.0	79,900 *	56.2	160.9	84,400										75
80	29.5	137.4	58,900 *	39.4	147.9	68,100 *	44.4	152.3	74,600 *	51.7	157.2	78,000										80
85	21.2	126.8	54,000 *	33.4	141.1	62,100 *	39.0	146.7	67,700 *	47.0	153.0	72,500	53.9	156.5	69,900							85
90	5.7	105.8	40,100 *	26.2	132.4	56,800 *	32.9	139.8	61,800 *	41.9	147.9	67,600	49.4	152.6	65,200							90
95				16.3	119.5	52,100 *	25.6	130.9	56,600 *	36.2	141.7	63,300	44.5	147.9	61,000	51.4	151.2	58,800				95
100							15.3	117.5	51,900 *	29.6	134.0	59,400 *	39.1	142.3	57,300	46.6	146.9	55,300				100
105										21.3	123.5	54,400 *	33.0	135.4	54,000	41.5	141.7	52,100				105
110										6.2	103.1	48,600 *	25.7	126.5	51,000	35.8	135.4	49,200	43.5	139.9	47,400	110
115													15.5	113.2	48,200	29.1	127.6	46,500	38.0	134.1	44,900	115
120																20.5	116.7	44,100	31.7	126.9	42,500	120
125																2.5	92.1	41,800	24.1	117.5	40,400	125
130																			12.7	102.4	38,400	130



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

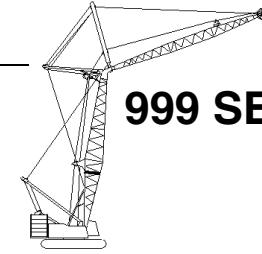
90 Ft. Boom, 90 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	76,500 *	65.6	178.3	79,800 *b													60
65	52.6	169.5	67,500 *	58.7	174.0	73,200 *	62.1	175.8	76,500 *													65
70	48.5	165.4	64,900 *	54.9	170.7	70,300 *	58.4	173.0	73,400 *													70
75	44.1	160.6	62,500 *	50.9	166.9	67,500 *	54.6	169.7	70,500 *	60.3	172.6	74,900 *										75
80	39.3	155.0	59,600 *	46.6	162.6	64,900 *	50.6	165.8	67,700 *	56.6	169.6	72,100 *										80
85	34.0	148.3	54,800 *	42.1	157.4	62,600 *	46.3	161.4	65,200 *	52.7	166.0	69,500 *										85
90	27.8	139.9	50,600 *	37.1	151.4	57,600 *	41.7	156.2	62,500 *	48.6	161.9	66,900 *	54.6	165.3	65,000							90
95	19.9	128.6	46,700 *	31.4	144.0	53,000 *	36.7	150.1	57,400 *	44.2	157.2	63,100	50.6	161.4	60,800							95
100	5.3	106.3	35,200 *	24.6	134.7	49,000 *	31.0	142.6	52,800 *	39.4	151.6	59,300	46.4	157.0	57,100	52.4	160.0	55,000				100
105				15.3	120.9	45,300 *	24.1	133.1	48,800 *	34.1	144.9	55,300 *	41.8	151.8	53,800	48.3	155.8	51,900				105
110							14.4	118.8	45,100 *	27.9	136.5	51,000 *	36.8	145.7	50,800	43.8	151.0	49,000				110
115										20.1	125.3	47,100 *	31.1	138.3	48,100	39.0	145.3	46,400	45.5	149.1	44,600	115
120										5.8	103.6	42,900 *	24.2	128.7	45,600	33.6	138.5	44,000	40.9	143.8	42,300	120
125													14.6	114.5	43,300	27.4	130.1	41,800	35.7	137.5	40,200	125
130																19.3	118.5	39,800	29.9	129.7	38,300	130
135																2.3	92.4	37,800	22.7	119.6	36,500	135
140																			11.9	103.5	34,800	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 100 Ft. Jib

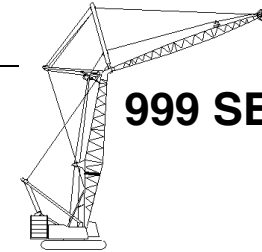
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	70,900 *													65
70	53.4	178.2	59,900 *	58.8	182.7	65,000 *	61.9	184.5	67,900 *													70
75	49.8	174.3	57,500 *	55.4	179.4	62,300 *	58.6	181.6	65,100 *													75
80	45.9	169.7	55,200 *	51.8	175.7	59,700 *	55.1	178.4	62,400 *	60.3	181.3	66,500 *										80
85	41.7	164.5	53,200 *	48.1	171.5	57,400 *	51.6	174.6	59,900 *	57.0	178.2	63,900 *										85
90	37.2	158.5	50,700 *	44.1	166.7	55,200 *	47.8	170.4	57,600 *	53.5	174.8	61,400 *										90
95	32.2	151.2	47,000 *	39.8	161.2	53,100 *	43.8	165.5	55,500 *	49.8	170.8	59,100 *	55.2	174.0	60,500							95
100	26.3	142.3	43,700 *	35.1	154.6	49,200 *	39.5	159.9	52,900 *	45.9	166.3	57,000 *	51.6	170.2	56,800							100
105	18.9	130.3	40,600 *	29.8	146.8	45,600 *	34.8	153.3	49,000 *	41.8	161.1	54,900 *	47.9	166.0	53,500							105
110	5.1	106.8	30,900 *	23.4	136.8	42,400 *	29.4	145.3	45,500 *	37.3	155.0	51,100 *	43.9	161.2	50,500	49.5	164.7	48,600				110
115				14.5	122.2	39,400 *	22.8	135.1	42,300 *	32.3	147.8	47,400 *	39.6	155.6	47,800	45.6	160.2	46,000				115
120							13.7	120.0	39,300 *	26.4	139.0	44,000 *	34.8	149.0	45,400	41.5	154.9	43,600	47.1	158.2	42,000	120
125										19.0	127.0	41,000 *	29.4	141.0	43,100	36.9	148.8	41,500	43.1	153.2	39,900	125
130										5.5	104.1	37,900 *	22.9	130.8	41,000	31.9	141.5	39,500	38.7	147.4	38,000	130
135													13.8	115.8	39,100	25.9	132.4	37,600	33.8	140.6	36,200	135
140																18.3	120.1	35,900	28.3	132.3	34,600	140
145																2.2	92.6	34,200	21.5	121.5	33,000	145
150																			11.3	104.5	31,500	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 110 Ft. Jib

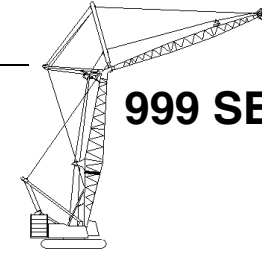
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	67,600 *													65
70	57.2	190.4	57,700 *	61.9	194.2	62,500 *	64.6	195.7	65,000 *													70
75	54.0	187.0	55,500 *	58.9	191.3	59,900 *	61.7	193.2	62,400 *													75
80	50.7	183.1	53,300 *	55.8	188.1	57,500 *	58.7	190.3	59,900 *													80
85	47.3	178.8	51,300 *	52.6	184.5	55,300 *	55.6	187.1	57,600 *	60.3	190.0	61,000 *										85
90	43.6	173.8	49,500 *	49.3	180.5	53,200 *	52.4	183.4	55,400 *	57.2	186.9	58,700 *										90
95	39.7	168.2	47,100 *	45.7	175.9	51,200 *	49.0	179.3	53,300 *	54.1	183.5	56,600 *										95
100	35.4	161.7	43,900 *	42.0	170.7	49,300 *	45.5	174.7	51,400 *	50.8	179.7	54,500 *	55.6	182.7	56,700							100
105	30.7	154.1	40,900 *	37.9	164.7	45,800 *	41.7	169.5	49,100 *	47.3	175.3	52,600 *	52.4	179.0	53,500							105
110	25.1	144.6	38,300 *	33.4	157.7	42,700 *	37.6	163.4	45,600 *	43.7	170.4	50,700 *	49.0	174.9	50,500							110
115	18.0	131.9	33,900 *	28.4	149.4	39,900 *	33.1	156.4	42,500 *	39.8	164.8	47,500 *	45.5	170.3	47,800	50.5	173.6	46,000				115
120	4.8	107.2	25,800 *	22.3	138.8	37,300 *	28.0	147.9	39,700 *	35.5	158.3	44,200 *	41.7	165.1	45,400	47.1	169.2	43,600				120
125				13.9	123.5	33,400 *	21.8	137.1	37,200 *	30.8	150.7	41,300 *	37.6	159.1	43,100	43.4	164.3	41,500				125
130							13.1	121.2	34,300 *	25.2	141.3	38,600 *	33.1	152.0	41,100	39.5	158.6	39,500	44.8	162.4	38,000	130
135										18.1	128.7	36,100 *	28.0	143.6	39,200	35.2	152.0	37,700	41.0	157.0	36,200	135
140										5.3	104.5	31,800 *	21.8	132.8	37,400 *	30.3	144.3	36,000	36.8	150.8	34,600	140
145													13.2	116.9	35,000 *	24.7	134.7	34,400	32.2	143.6	33,100	145
150																17.5	121.7	32,900	27.0	134.7	31,600	150
155																2.1	92.7	31,400	20.5	123.4	30,300	155
160																			10.8	105.5	29,000	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 120 Ft. Jib

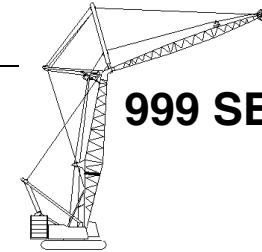
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.7	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	59,800 *													70
75	57.4	199.1	51,400 *	61.7	202.8	55,500 *	64.2	204.4	57,600 *													75
80	54.5	195.7	49,200 *	59.0	200.0	53,300 *	61.6	201.8	55,400 *													80
85	51.6	191.9	47,200 *	56.2	196.8	51,100 *	58.8	199.0	53,200 *	63.0	201.3	56,000 *										85
90	48.4	187.7	45,400 *	53.3	193.3	48,900 *	56.0	195.8	51,100 *	60.3	198.6	54,100 *										90
95	45.2	183.0	43,600 *	50.2	189.3	47,000 *	53.0	192.2	49,000 *	57.5	195.6	52,100 *										95
100	41.7	177.7	41,900 *	47.0	184.9	45,100 *	50.0	188.2	47,100 *	54.6	192.2	50,000 *										100
105	38.0	171.8	40,400 *	43.7	180.0	43,400 *	46.8	183.8	45,200 *	51.6	188.5	48,100 *	56.0	191.4	50,600 *							105
110	33.9	164.9	38,300 *	40.1	174.4	41,800 *	43.4	178.8	43,500 *	48.5	184.3	46,300 *	53.1	187.8	48,700 *							110
115	29.3	156.7	35,900 *	36.2	168.0	39,800 *	39.8	173.2	41,900 *	45.2	179.6	44,600 *	50.0	183.8	47,000 *							115
120	24.0	146.8	33,700 *	32.0	160.7	37,300 *	35.9	166.7	39,700 *	41.7	174.3	42,900 *	46.8	179.4	45,000 *	51.4	182.4	43,300				120
125	17.2	133.5	29,900 *	27.1	151.8	35,000 *	31.6	159.3	37,200 *	38.0	168.3	41,200 *	43.5	174.4	42,800	48.2	178.2	41,100				125
130	4.6	107.6	22,900 *	21.3	140.7	32,900 *	26.8	150.3	34,900 *	34.0	161.5	38,600 *	39.9	168.8	40,800	45.0	173.5	39,100				130
135				13.3	124.7	29,600 *	20.8	139.0	32,800 *	29.4	153.4	36,200 *	36.0	162.4	38,900	41.5	168.1	37,300	46.2	171.5	35,800	135
140							12.5	122.3	30,500 *	24.1	143.4	34,000 *	31.7	154.9	37,100	37.7	162.1	35,600	42.8	166.4	34,200	140
145										17.4	130.2	31,900 *	26.8	146.0	35,100 *	33.6	155.1	34,100	39.2	160.7	32,700	145
150										5.1	105.0	28,400 *	20.9	134.7	33,000 *	29.0	146.9	32,600	35.2	154.1	31,300	150
155													12.6	118.1	30,900 *	23.6	136.8	31,300	30.8	146.4	30,000	155
160																16.7	123.2	30,000	25.8	137.1	28,800	160
170																			10.3	106.4	26,500	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 130 Ft. Jib

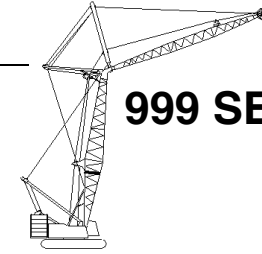
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	45,700 *										90
95	49.4	196.6	37,300 *	53.8	202.0	40,200 *	56.3	204.4	41,800 *	60.2	207.3	44,100 *										95
100	46.4	192.1	35,900 *	51.0	198.2	38,600 *	53.6	200.9	40,200 *	57.7	204.3	42,500 *										100
105	43.3	187.1	34,600 *	48.1	193.9	37,100 *	50.8	197.1	38,600 *	55.0	200.9	41,000 *										105
110	40.0	181.5	33,300 *	45.1	189.2	35,700 *	47.9	192.8	37,200 *	52.3	197.3	39,500 *	56.3	200.0	41,300 *							110
115	36.4	175.1	32,200 *	41.9	183.9	34,400 *	44.9	188.0	35,800 *	49.4	193.2	38,000 *	53.6	196.5	39,900 *							115
120	32.5	167.8	31,100 *	38.5	178.0	33,200 *	41.6	182.7	34,500 *	46.5	188.7	36,600 *	50.8	192.7	38,500 *							120
125	28.2	159.3	30,100 *	34.8	171.2	32,000 *	38.2	176.7	33,200 *	43.3	183.7	35,300 *	47.9	188.4	37,200 *	52.1	191.2	38,600 *				125
130	23.1	148.9	29,200 *	30.7	163.5	31,000 *	34.5	169.9	32,100 *	40.0	178.0	34,000 *	44.9	183.6	35,900 *	49.2	187.1	37,400 *				130
135	16.6	135.0	26,700 *	26.0	154.2	30,000 *	30.4	162.0	31,000 *	36.5	171.7	32,800 *	41.7	178.3	34,600 *	46.2	182.6	36,200 *				135
140	4.4	108.0	20,500 *	20.5	142.6	29,200 *	25.7	152.7	30,100 *	32.6	164.4	31,700 *	38.2	172.3	33,400 *	43.1	177.5	35,000 *				140
145				12.7	125.8	26,500 *	20.0	140.8	29,200 *	28.2	155.9	30,700 *	34.5	165.6	32,300 *	39.8	171.8	33,800 *	44.3	175.7	32,500	145
150							12.0	123.4	27,400 *	23.1	145.5	29,800 *	30.4	157.7	31,300 *	36.2	165.4	32,400	41.0	170.2	31,100	150
155										16.7	131.7	28,600 *	25.7	148.3	30,300 *	32.3	158.1	31,100	37.6	164.1	29,800	155
160										4.9	105.4	25,700 *	20.1	136.5	29,500 *	27.9	149.4	29,800	33.8	157.2	28,600	160
170																16.1	124.7	27,500	24.8	139.3	26,300	170
180																9.9	107.3	24,300	9.9	107.3	24,300	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 140 Ft. Jib

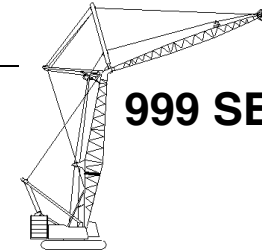
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	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 *																			65	
70	64.8	224.6	42,100 *	70.5	229.1	47,100 *																70	
75	62.5	222.1	40,300 *	68.3	227.2	45,200 *																75	
80	60.2	219.4	38,600 *	66.1	225.1	43,400 *																80	
85	57.8	216.4	37,000 *	63.8	222.7	41,600 *	65.9	224.1	43,200 *													85	
90	55.3	213.1	35,500 *	61.5	220.2	39,900 *	63.6	221.8	41,500 *													90	
95	52.8	209.5	34,000 *	59.1	217.3	38,300 *	61.3	219.2	39,800 *													95	
100	50.2	205.5	32,600 *	56.7	214.2	36,700 *	59.0	216.3	38,200 *	62.6	218.7	40,300 *										100	
105	47.5	201.1	31,300 *	56.6	213.1	36,200 *	60.2	215.9	38,800 *													105	
110	44.6	196.3	30,000 *	54.2	210.7	35,200 *	57.8	212.9	37,300 *													110	
115	41.7	191.0	28,800 *	51.7	207.0	33,700 *	55.4	209.6	35,900 *													115	
120	38.5	185.0	27,700 *	49.0	202.8	32,400 *	52.9	206.0	34,500 *	56.6	208.7	36,200 *										120	
125	35.1	178.3	26,600 *	46.3	198.3	31,100 *	50.2	202.0	33,100 *	54.1	205.3	34,900 *										125	
130	31.3	170.7	25,600 *	43.1	192.0	29,900 *	47.5	197.7	31,800 *	51.5	201.5	33,600 *										130	
135	27.1	161.7	24,700 *	40.1	186.4	28,700 *	44.7	192.9	30,600 *	48.9	197.3	32,300 *	52.7	200.0	33,700 *							135	
140	22.2	150.9	23,900 *	37.0	181.4	27,500 *	41.7	187.5	29,400 *	46.1	192.7	31,100 *	50.0	196.0	32,500 *							140	
145	15.9	136.4	23,200 *	33.2	174.3	26,500 *	38.5	181.6	28,200 *	43.2	187.7	30,000 *	47.3	191.6	31,400 *							145	
150	4.3	108.4	18,200 *	29.5	166.2	25,500 *	35.1	174.9	27,200 *	40.1	182.0	28,800 *	44.5	186.7	30,300 *							150	
155				25.1	156.5	24,600 *	32.2	173.0	26,500 *	36.8	175.7	27,700 *	41.5	181.4	29,200 *	45.5	184.8	30,300 *				155	
160				19.7	144.3	23,800 *	27.2	158.4	25,300 *	31.4	167.3	26,200 *	38.3	175.4	28,200 *	42.6	179.7	29,300 *				160	
170				12.3	126.9	23,200 *	19.3	142.5	23,900 *	22.3	147.5	24,400 *	29.3	160.4	25,800 *	39.5	173.9	28,200 *				170	
180				11.6	124.4	23,300 *	11.6	124.4	23,300 *	4.7	105.8	23,000 *	19.3	138.2	24,100 *	26.8	151.9	25,300 *				180	
190														15.5	126.0	23,900 *	9.6	108.2	22,300 *				190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 150 Ft. Jib

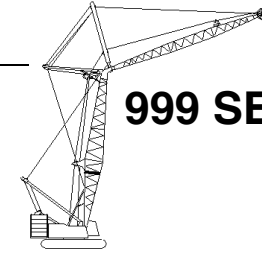
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	74.7	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	34,200 *										105
110	48.4	210.1	27,300 *	52.3	215.8	29,600 *	54.5	218.4	30,900 *	58.0	221.6	32,900 *										110
115	45.8	205.4	26,200 *	49.8	211.7	28,300 *	52.1	214.7	29,600 *	55.7	218.3	31,500 *										115
120	43.1	200.3	25,000 *	47.3	207.3	27,100 *	49.6	210.6	28,300 *	53.4	214.8	30,200 *	56.8	217.4	31,800 *							120
125	40.2	194.7	24,000 *	44.6	202.5	25,900 *	47.1	206.1	27,100 *	50.9	210.9	29,000 *	54.5	214.0	30,600 *							125
130	37.1	188.5	23,000 *	41.8	197.1	24,800 *	44.4	201.3	25,900 *	48.4	206.6	27,800 *	52.1	210.3	29,400 *							130
135	33.8	181.4	22,000 *	38.9	191.2	23,800 *	41.6	195.9	24,800 *	45.8	202.0	26,600 *	49.7	206.2	28,200 *							135
140	30.2	173.4	21,200 *	35.7	184.7	22,800 *	38.6	190.0	23,800 *	43.1	196.9	25,500 *	47.1	201.8	27,100 *	50.7	204.8	28,400 *				140
145	26.2	164.1	20,300 *	32.3	177.3	21,900 *	35.5	183.4	22,800 *	40.2	191.3	24,400 *	44.4	196.9	26,000 *	48.2	200.6	27,400 *				145
150	21.5	152.8	19,600 *	28.5	168.7	21,000 *	32.0	175.9	21,900 *	37.2	185.0	23,400 *	41.6	191.5	24,900 *	45.6	195.9	26,300 *				150
155	15.4	137.8	18,900 *	24.2	158.7	20,200 *	28.2	167.3	21,000 *	33.9	178.0	22,500 *	38.7	185.6	23,900 *	42.9	190.7	25,300 *	46.6	193.9	26,300 *	155
160			16,400 *	19.0	146.0	19,400 *	23.9	157.0	20,200 *	30.3	170.1	21,600 *	35.5	179.0	23,000 *	40.0	185.1	24,300 *	43.9	188.9	25,400 *	160
170							11.2	125.4	18,900 *	21.5	149.5	19,900 *	28.3	162.9	21,200 *	33.6	171.7	22,400 *	38.1	177.4	23,600 *	170
180										4.5	106.2	18,900 *	18.7	139.9	19,700 *	25.9	154.2	20,800 *	31.4	163.0	21,800 *	180
190																14.9	127.4	19,400 *	23.0	143.6	20,300 *	190
200																		9.2	109.0	19,200 *		200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 160 Ft. Jib

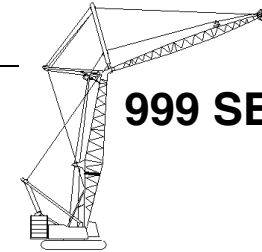
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	27,500 *							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	26,300 *							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	25,200 *							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	24,100 *							140
145	32.7	184.4	17,500 *	37.6	194.7	19,000 *	40.2	199.6	19,900 *	44.3	206.1	21,500 *	48.0	210.7	23,000 *	51.4	213.6	24,300 *				145
150	29.2	176.1	16,700 *	34.5	187.8	18,100 *	37.4	193.4	19,000 *	41.7	200.8	20,500 *	45.5	206.0	22,000 *	49.0	209.5	23,300 *				150
155	25.3	166.4	16,000 *	31.2	180.1	17,300 *	34.3	186.5	18,100 *	38.9	194.9	19,600 *	43.0	200.9	21,000 *	46.6	204.9	22,300 *				155
160	20.8	154.7	15,300 *	27.6	171.2	16,500 *	31.0	178.7	17,300 *	35.9	188.3	18,700 *	40.3	195.3	20,000 *	44.1	200.0	21,300 *	47.5	202.9	22,400 *	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	18,300 *	38.7	188.7	19,500 *	42.5	192.9	20,600 *	170
180				10.8	126.3	14,600 *				20.8	151.3	15,600 *	27.4	165.4	16,700 *	32.5	174.7	17,800 *	36.8	180.8	18,900 *	180
190										4.4	106.6	14,300 *	18.1	141.5	15,300 *	25.1	156.5	16,300 *	30.4	165.8	17,300 *	190
200																14.5	128.7	15,000 *	22.3	145.6	15,800 *	200
210																			9.0	109.8	14,600 *	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

90 Ft. Boom, 170 Ft. Jib

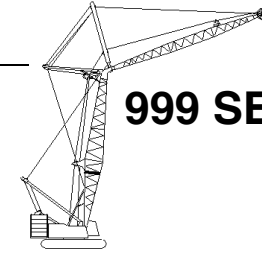
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	23,900 *							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	22,800 *							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	21,700 *							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	20,700 *							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	19,700 *	51.9	222.4	20,900 *				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	18,800 *	49.7	218.4	20,000 *				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	17,900 *	47.5	214.0	19,100 *				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	16,100 *	42.7	204.0	17,300 *	46.0	207.2	18,300 *	170
180	3.9	109.4	10,200 *	17.9	149.3	11,400 *	22.4	161.1	12,100 *	28.4	175.3	13,500 *	33.3	185.2	14,600 *	37.5	192.1	15,700 *	35.7	196.7	16,700 *	180
190							10.5	127.3	10,500 *	20.2	153.2	11,700 *	26.5	167.8	13,000 *	31.5	177.5	14,100 *	35.7	184.1	15,100 *	190
200										4.2	107.0	10,300 *	17.5	143.1	11,300 *	24.3	158.7	12,500 *	29.4	168.4	13,700 *	200
210																14.0	129.9	10,900 *	21.6	147.5	12,000 *	210
220																			8.7	110.6	10,500 *	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 70 Ft. Jib

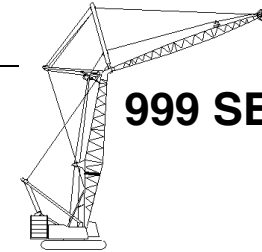
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	103,400 *b																50
55	50.8	162.2	90,300 *	59.5	167.3	98,700 *b	64.2	169.2	103,900 *b													55
60	45.3	157.7	86,900 *	54.6	164.1	94,600 *b	59.6	166.5	99,400 *b													60
65	39.2	152.2	78,800 *	49.4	160.2	90,900 *	54.7	163.3	95,300 *b	62.8	166.4	100,000 b										65
70	32.2	145.2	71,600 *	43.7	155.4	85,500 *	49.5	159.4	91,600 *	58.1	163.5	91,300 b										70
75	23.4	135.7	63,300 *	37.4	149.6	77,000 *	43.9	154.7	85,800 *	53.2	160.1	83,900 b										75
80	8.3	118.1	47,600 *	30.1	142.1	70,000 *	37.7	148.9	77,300 *	47.9	156.0	77,500	56.5	159.6	74,600 b							80
85				20.5	131.5	63,700 *	30.3	141.5	70,200 *	42.1	151.0	72,000	51.4	156.0	69,200							85
90							20.8	131.1	64,300 *	35.6	144.8	67,200	45.9	151.6	64,600							90
95										27.8	136.7	62,800	39.9	146.2	60,500	49.2	150.8	58,100				95
100										17.0	124.5	59,000	33.0	139.4	56,800	43.6	146.0	54,600				100
105													24.5	130.3	53,500	37.3	140.1	51,400	46.7	144.4	49,400	105
110													11.1	114.8	50,400	29.9	132.6	48,500	40.7	139.2	46,600	110
115																20.2	121.9	45,900	34.0	132.7	44,100	115
120																			25.7	124.0	41,800	120
125																			13.6	109.9	39,700	125



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 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	96,300 *b																50
55	56.4	174.6	83,700 *	63.6	178.7	91,900 *b	67.7	180.2	96,500 *b													55
60	52.0	171.0	80,100 *	59.5	176.0	87,800 *b	63.7	177.9	92,400 *b													60
65	47.3	166.7	76,900 *	55.3	172.8	84,000 *	59.7	175.2	88,300 *b													65
70	42.2	161.7	71,700 *	50.8	169.0	80,500 *	55.4	172.0	84,500 *	62.5	175.0	90,800 *b										70
75	36.6	155.6	65,500 *	46.0	164.6	77,000 *	50.9	168.3	81,100 *	58.4	172.2	83,500										75
80	30.0	148.0	60,200 *	40.8	159.3	69,900 *	46.2	163.9	77,200 *	54.1	168.9	77,200										80
85	21.8	137.7	55,100 *	34.9	152.9	64,000 *	41.0	158.6	70,200 *	49.5	164.9	71,700	56.9	168.3	68,900							85
90	7.8	118.8	42,100 *	28.1	144.7	58,900 *	35.1	152.2	64,200 *	44.6	160.3	66,900	52.5	164.8	64,200							90
95				19.1	133.3	54,500 *	28.3	144.1	59,100 *	39.3	154.7	62,600	47.9	160.6	60,100							95
100							19.5	132.8	54,600 *	33.2	147.9	58,800	42.8	155.6	56,500	50.7	159.6	54,200				100
105										25.9	139.1	55,400	37.2	149.7	53,200	45.9	155.2	51,100				105
110										15.9	126.0	52,200	30.8	142.3	50,200	40.6	149.9	48,200				110
115													22.9	132.4	47,500	34.8	143.4	45,600	43.5	148.6	43,800	115
120													10.4	115.7	45,000	27.9	135.2	43,300	38.0	142.8	41,500	120
125																18.9	123.6	41,100	31.7	135.6	39,500	125
130																			24.1	126.2	37,500	130
135																			12.7	111.1	35,700	135

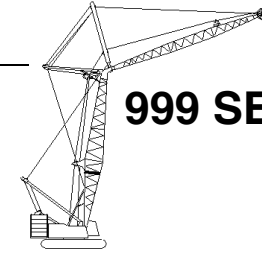
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 90 Ft. Jib

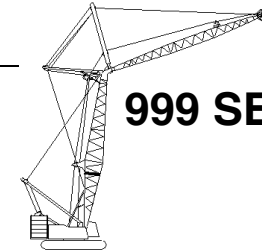
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	77,100 *b	66.8	188.9	80,700 *b													60
65	52.9	179.7	67,600 *	59.6	184.7	73,800 *	63.3	186.6	77,400 *b													65
70	48.8	175.7	65,000 *	55.8	181.5	70,900 *	59.7	183.9	74,300 *													70
75	44.4	170.9	62,600 *	51.9	177.8	68,100 *	55.9	180.7	71,400 *	62.2	183.7	76,200 *										75
80	39.7	165.4	60,400 *	47.7	173.6	65,500 *	52.0	177.1	68,600 *	58.6	180.9	73,400 *										80
85	34.4	158.8	56,000 *	43.2	168.7	63,200 *	47.8	172.9	66,100 *	54.7	177.6	70,800 *										85
90	28.3	150.6	51,900 *	38.4	162.9	59,300 *	43.4	168.0	63,600 *	50.7	173.8	66,700	57.3	177.0	64,000							90
95	20.6	139.6	48,000 *	32.9	155.9	54,900 *	38.5	162.2	59,500 *	46.5	169.4	62,400	53.4	173.5	59,900							95
100	7.3	119.4	37,100 *	26.4	147.1	50,900 *	33.1	155.3	55,000 *	41.9	164.2	58,600	49.3	169.5	56,300							100
105				18.0	134.9	47,300 *	26.7	146.6	51,100 *	36.9	158.2	55,300	45.0	164.9	53,000	51.8	168.4	50,800				105
110							18.4	134.5	47,500 *	31.2	150.8	52,200	40.3	159.4	50,100	47.6	164.2	48,000				110
115										24.4	141.3	49,400	35.0	152.9	47,400	43.1	159.3	45,500				115
120										15.0	127.3	46,500 *	29.0	145.0	45,000	38.2	153.4	43,100	45.5	157.8	41,300	120
125													21.6	134.4	42,700	32.7	146.4	41,000	40.9	152.4	39,300	125
130													9.8	116.6	40,600	26.3	137.6	39,000	35.7	146.1	37,400	130
135																17.8	125.2	37,200	29.9	138.4	35,600	135
140																			22.7	128.2	34,000	140
145																			11.9	112.2	32,400	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 100 Ft. Jib

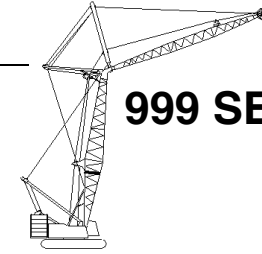
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	71,800 *													65
70	53.7	188.5	59,900 *	59.6	193.3	65,600 *	63.0	195.2	68,800 *													70
75	50.0	184.5	57,500 *	56.2	190.2	62,800 *	59.7	192.5	66,000 *													75
80	46.2	180.1	55,300 *	52.7	186.6	60,300 *	56.3	189.4	63,300 *	62.0	192.4	67,600 *										80
85	42.0	174.9	53,300 *	49.0	182.5	57,900 *	52.8	185.8	60,800 *	58.7	189.5	65,100 *										85
90	37.6	168.9	51,400 *	45.1	177.9	55,700 *	49.1	181.8	58,400 *	55.3	186.3	62,600 *										90
95	32.6	161.8	48,100 *	40.9	172.5	53,700 *	45.2	177.2	56,200 *	51.7	182.6	60,300 *	57.5	185.6	59,500							95
100	26.8	153.0	44,900 *	36.3	166.3	50,700 *	41.0	171.8	54,100 *	48.0	178.4	58,100 *	54.1	182.2	55,900							100
105	19.5	141.3	41,900 *	31.2	158.8	47,200 *	36.5	165.6	50,800 *	44.0	173.5	54,900	50.4	178.4	52,700							105
110	7.0	120.1	33,000 *	25.1	149.4	44,100 *	31.3	158.2	47,300 *	39.7	168.0	51,900	46.6	174.0	49,700	52.6	177.2	47,600				110
115				17.1	136.5	41,200 *	25.3	148.9	44,200 *	35.0	161.4	49,100	42.5	168.9	47,100	48.9	173.1	45,100				115
120							17.4	136.1	41,400 *	29.6	153.5	46,400 *	38.1	163.0	44,700	45.0	168.5	42,800				120
125										23.2	143.4	43,400 *	33.2	156.0	42,400	40.8	163.1	40,600	47.1	166.8	38,900	125
130										14.2	128.6	40,500 *	27.5	147.5	40,400	36.2	156.8	38,700	43.1	161.8	37,000	130
135													20.5	136.2	38,500	31.0	149.3	36,900	38.7	156.1	35,300	135
140													9.3	117.4	36,700	24.9	139.9	35,200	33.8	149.2	33,700	140
145																16.9	126.8	33,600	28.3	140.9	32,200	145
150																			21.5	130.2	30,800	150
155																			11.3	113.2	29,400	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 110 Ft. Jib

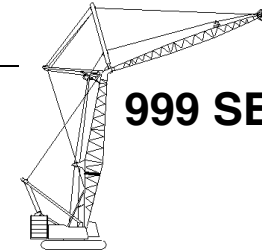
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
40	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	63,000 *	65.6	206.3	65,700 *													70
75	54.3	197.2	55,500 *	59.7	202.0	60,400 *	62.7	203.9	63,100 *													75
80	51.0	193.4	53,400 *	56.6	198.9	58,000 *	59.7	201.2	60,700 *													80
85	47.5	189.1	51,400 *	53.4	195.4	55,800 *	56.7	198.1	58,300 *	61.8	201.0	62,000 *										85
90	43.9	184.2	49,600 *	50.1	191.4	53,700 *	53.5	194.6	56,100 *	58.8	198.2	59,800 *										90
95	40.0	178.6	47,900 *	46.6	187.0	51,700 *	50.2	190.7	54,000 *	55.7	195.0	57,600 *										95
100	35.8	172.2	45,200 *	42.9	181.9	49,900 *	46.7	186.2	52,100 *	52.5	191.4	55,600 *	57.8	194.3	55,900							100
105	31.0	164.6	42,200 *	38.9	176.2	47,700 *	43.0	181.2	50,300 *	49.2	187.3	53,600 *	54.6	191.0	52,600							105
110	25.5	155.3	39,400 *	34.6	169.5	44,500 *	39.1	175.5	47,900 *	45.6	182.7	51,800 *	51.4	187.2	49,700							110
115	18.6	143.0	35,600 *	29.7	161.5	41,500 *	34.7	168.8	44,600 *	41.8	177.5	49,100	47.9	182.9	47,100							115
120	6.6	120.7	27,400 *	23.9	151.6	38,900 *	29.8	160.9	41,700 *	37.8	171.5	46,600	44.3	178.1	44,700							120
125				16.3	137.9	36,400 *	24.1	151.1	39,000 *	33.3	164.5	43,800 *	40.5	172.7	42,400	46.5	177.6	40,600				125
130							16.6	137.6	36,500 *	28.2	156.1	40,900 *	36.3	166.3	40,400	42.8	172.5	38,700				130
135										22.1	145.4	38,300 *	31.6	158.9	38,600	38.8	166.7	36,900	44.8	171.1	35,300	135
140										13.5	129.8	35,900 *	26.2	149.9	36,800	34.5	160.0	35,200	41.0	165.7	33,700	140
145													19.5	138.0	35,200	29.5	152.0	33,700	36.8	159.5	32,200	145
150													8.9	118.2	33,700	23.7	142.0	32,200	32.2	152.2	30,800	150
155																16.1	128.2	30,900	27.0	143.4	29,500	155
160																20.5	132.0	28,300	20.5	132.0	28,300	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 120 Ft. Jib

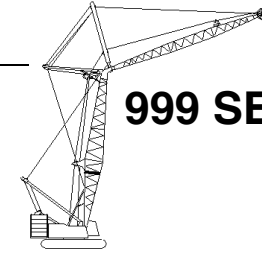
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	60,300 *													70
75	57.6	209.3	51,400 *	62.4	213.4	55,900 *	65.2	215.1	58,200 *													75
80	54.7	205.9	49,300 *	59.7	210.6	53,700 *	62.5	212.6	56,000 *													80
85	51.8	202.2	47,300 *	56.9	207.5	51,600 *	59.8	209.8	53,900 *													85
90	48.7	198.0	45,400 *	54.0	204.1	49,400 *	57.0	206.8	51,800 *	61.7	209.7	54,900 *										90
95	45.4	193.4	43,700 *	51.0	200.3	47,500 *	54.1	203.3	49,700 *	58.9	206.9	53,100 *										95
100	41.9	188.1	42,100 *	47.8	196.0	45,600 *	51.1	199.5	47,700 *	56.1	203.7	51,100 *										100
105	38.2	182.2	40,500 *	44.5	191.2	43,900 *	47.9	195.2	45,900 *	53.2	200.1	49,100 *	57.9	203.0	51,600 *							105
110	34.2	175.4	39,100 *	41.0	185.8	42,200 *	44.6	190.4	44,100 *	50.1	196.2	47,300 *	55.1	199.7	49,300 *							110
115	29.7	167.3	37,000 *	37.2	179.6	40,700 *	41.1	185.1	42,500 *	46.9	191.7	45,500 *	52.1	196.0	46,700 *							115
120	24.4	157.5	34,700 *	33.1	172.5	38,900 *	37.3	178.9	41,000 *	43.6	186.8	43,900 *	49.0	191.9	44,300 *							120
125	17.8	144.6	31,400 *	28.4	164.1	36,500 *	33.2	171.9	39,000 *	40.0	181.2	42,300 *	45.8	187.3	42,100 *	50.9	190.9	40,200 *				125
130	6.4	121.2	24,400 *	22.9	153.7	34,300 *	28.5	163.5	36,600 *	36.1	174.8	40,800 *	42.4	182.1	40,100 *	47.7	186.6	38,300 *				130
135				15.6	139.3	32,200 *	23.1	153.1	34,400 *	31.8	167.4	38,300 *	38.7	176.3	38,200 *	44.4	181.7	36,500 *				135
140							15.9	139.0	32,300 *	27.0	158.5	36,000 *	34.7	169.5	36,500 *	40.9	176.3	34,900 *	46.2	180.2	33,300 *	140
145										21.1	147.3	33,800 *	30.2	161.7	34,900 *	37.1	170.1	33,400 *	42.8	175.1	31,800 *	145
150										13.0	131.0	31,800 *	25.1	152.1	33,400 *	32.9	163.0	31,900 *	39.2	169.3	30,500 *	150
155													18.7	139.7	32,000 *	28.3	154.6	30,600 *	35.2	162.7	29,200 *	155
160													8.5	119.0	30,700 *	22.7	144.1	29,300 *	30.8	155.0	28,000 *	160
170																			19.6	133.8	25,800 *	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 130 Ft. Jib

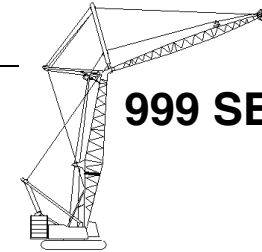
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	44,000 *													90
95	49.6	206.9	37,400 *	54.5	212.8	40,500 *	57.2	215.4	42,300 *	61.5	218.4	44,800 *										95
100	46.6	202.4	36,000 *	51.7	209.1	39,000 *	54.5	212.0	40,700 *	59.0	215.5	43,300 *										100
105	43.5	197.5	34,700 *	48.8	204.9	37,500 *	51.8	208.3	39,200 *	56.4	212.4	41,700 *										105
110	40.2	191.9	33,400 *	45.8	200.3	36,100 *	48.9	204.2	37,700 *	53.7	208.9	40,200 *										110
115	36.7	185.6	32,300 *	42.7	195.2	34,700 *	45.9	199.6	36,300 *	50.9	205.0	38,800 *	55.5	208.4	40,800 *							115
120	32.8	178.4	31,200 *	39.3	189.4	33,500 *	42.8	194.4	35,000 *	48.0	200.7	37,400 *	52.8	204.8	39,400 *							120
125	28.5	169.9	30,200 *	35.7	182.9	32,300 *	39.4	188.7	33,700 *	45.0	196.0	36,000 *	49.9	200.8	38,100 *							125
130	23.5	159.7	29,300 *	31.7	175.4	31,300 *	35.8	182.2	32,500 *	41.8	190.7	34,700 *	47.0	196.3	36,800 *	51.6	199.7	38,000				130
135	17.1	146.1	28,100 *	27.2	166.6	30,300 *	31.9	174.8	31,400 *	38.4	184.7	33,500 *	43.9	191.4	35,500 *	48.8	195.5	36,300				135
140	6.1	121.8	21,900 *	21.9	155.6	29,400 *	27.4	166.0	30,500 *	34.6	178.0	32,400 *	40.6	185.9	34,300 *	45.8	190.9	34,600				140
145				15.0	140.7	28,700 *	22.1	155.1	29,600 *	30.6	170.2	31,300 *	37.1	179.7	33,200 *	42.6	185.7	33,100	47.4	189.2	31,600	145
150							15.3	140.4	28,800 *	25.9	160.9	30,300 *	33.3	172.6	32,100 *	39.2	180.0	31,700	44.3	184.3	30,200	150
155										20.3	149.1	29,500 *	29.0	164.3	31,000 *	35.6	173.4	30,400	41.0	178.9	28,900	155
160										12.4	132.1	28,600 *	24.1	154.3	30,100 *	31.6	165.9	29,100	37.6	172.8	27,800	160
170													8.2	119.7	28,000 *	21.8	146.0	26,900	29.6	157.7	25,600	170
180																			18.8	135.5	23,700	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 140 Ft. Jib

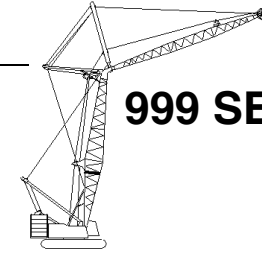
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	39,500 *										100
105	47.7	211.4	31,400 *	52.3	217.8	34,100 *	54.9	220.8	35,700 *	59.1	224.2	38,000 *										105
110	44.8	206.7	30,100 *	49.7	213.8	32,700 *	52.4	217.1	34,200 *	56.7	221.0	36,600 *										110
115	41.9	201.4	28,900 *	46.9	209.3	31,400 *	49.8	213.0	32,900 *	54.2	217.6	35,200 *										115
120	38.7	195.5	27,800 *	44.1	204.4	30,100 *	47.0	208.6	31,600 *	51.6	213.8	33,800 *	55.8	217.1	35,700 *							120
125	35.3	188.8	26,700 *	41.0	199.0	29,000 *	44.2	203.7	30,300 *	48.9	209.7	32,500 *	53.3	213.5	34,500 *							125
130	31.6	181.3	25,700 *	37.8	192.9	27,800 *	41.1	198.3	29,100 *	46.2	205.1	31,300 *	50.7	209.6	33,200 *							130
135	27.4	172.4	24,800 *	34.4	186.1	26,700 *	37.9	192.2	28,000 *	43.3	200.0	30,100 *	48.0	205.3	32,000 *	52.3	208.5	33,400 *				135
140	22.6	161.7	24,000 *	30.5	178.2	25,800 *	34.5	185.4	26,900 *	40.2	194.4	28,900 *	45.2	200.6	30,800 *	49.6	204.4	32,300 *				140
145	16.5	147.6	23,300 *	26.2	168.9	24,900 *	30.7	177.6	25,900 *	36.9	188.2	27,800 *	42.2	195.3	29,600 *	46.9	199.9	31,200 *				145
150	5.9	122.3	19,500 *	21.1	157.5	24,100 *	26.4	168.4	25,000 *	33.4	181.0	26,700 *	39.1	189.5	28,500 *	44.0	195.0	30,100 *				150
155				14.4	142.0	23,400 *	21.3	157.1	24,200 *	29.4	172.9	25,800 *	35.7	183.0	27,500 *	41.0	189.6	29,100 *	45.5	193.5	28,600	155
160							14.7	141.7	23,500 *	24.9	163.1	24,900 *	32.0	175.5	26,500 *	37.7	183.5	28,100 *	42.6	188.3	27,400	160
170										12.0	133.2	23,500 *	23.2	156.4	24,700 *	30.4	168.7	26,100 *	36.1	176.1	25,300	170
180													7.9	120.4	23,500 *	21.0	147.9	24,500 *	28.5	160.3	23,300	180
190																			18.1	137.1	21,600	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 150 Ft. Jib

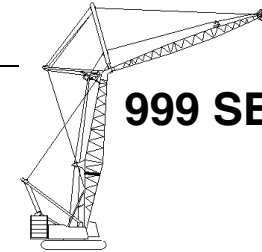
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	34,900 *										105
110	48.6	220.4	27,400 *	52.9	226.6	29,900 *	55.3	229.5	31,400 *	59.1	232.8	33,500 *										110
115	46.0	215.8	26,200 *	50.4	222.7	28,600 *	52.9	225.8	30,000 *	56.9	229.7	32,200 *										115
120	43.2	210.7	25,100 *	47.9	218.3	27,400 *	50.5	221.9	28,700 *	54.6	226.3	30,900 *										120
125	40.4	205.1	24,100 *	45.3	213.6	26,200 *	48.0	217.6	27,500 *	52.2	222.6	29,600 *	56.1	225.8	31,400 *							125
130	37.3	198.9	23,100 *	42.5	208.4	25,100 *	45.3	212.9	26,400 *	49.7	218.5	28,400 *	53.8	222.2	30,200 *							130
135	34.1	191.9	22,100 *	39.6	202.7	24,100 *	42.6	207.7	25,200 *	47.2	214.1	27,200 *	51.4	218.4	29,000 *							135
140	30.5	184.0	21,200 *	36.5	196.3	23,100 *	39.7	202.0	24,200 *	44.5	209.3	26,100 *	48.9	214.2	27,900 *	52.8	217.2	29,300 *				140
145	26.5	174.8	20,400 *	33.2	189.1	22,100 *	36.6	195.6	23,200 *	41.7	203.9	25,000 *	46.3	209.7	26,800 *	50.4	213.3	28,200 *				145
150	21.8	163.7	19,700 *	29.5	180.9	21,200 *	33.3	188.4	22,200 *	38.8	198.0	24,000 *	43.6	204.7	25,700 *	47.8	208.9	27,200 *				150
155	15.9	149.0	19,000 *	25.3	171.2	20,400 *	29.6	180.3	21,300 *	35.6	191.4	23,000 *	40.7	199.1	24,700 *	45.2	204.2	26,200 *				155
160	5.7	122.8	17,500 *	20.4	159.4	19,700 *	25.5	170.7	20,500 *	32.2	184.0	22,100 *	37.7	193.0	23,700 *	42.4	199.0	25,200 *	46.6	202.5	26,300 *	160
170							14.2	142.9	19,100 *	24.1	165.3	20,400 *	30.9	178.3	21,800 *	36.4	186.8	23,300 *	41.1	192.1	24,500 *	170
180										11.6	134.2	19,100 *	22.4	158.4	20,200 *	29.4	171.4	21,500 *	34.9	179.3	22,700 *	180
190													7.6	121.1	19,100 *	20.3	149.7	20,000 *	27.5	162.8	21,100 *	190
200																			17.5	138.7	19,700 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 160 Ft. Jib

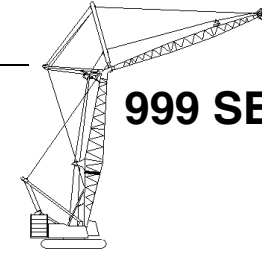
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	29,000 *										115
120	46.9	224.8	22,300 *	51.1	231.5	24,400 *	53.4	234.6	25,800 *	57.1	238.4	27,800 *										120
125	44.4	219.9	21,200 *	48.7	227.3	23,300 *	51.1	230.7	24,600 *	54.9	235.0	26,600 *										125
130	41.8	214.6	20,200 *	46.3	222.7	22,200 *	48.8	226.5	23,400 *	52.7	231.4	25,400 *	56.3	234.4	27,100 *							130
135	39.0	208.7	19,300 *	43.7	217.7	21,200 *	46.4	222.0	22,300 *	50.4	227.4	24,200 *	54.2	231.0	25,900 *							135
140	36.1	202.2	18,400 *	41.1	212.2	20,200 *	43.8	217.0	21,300 *	48.1	223.1	23,100 *	51.9	227.2	24,800 *							140
145	33.0	195.0	17,600 *	38.3	206.2	19,200 *	41.2	211.5	20,300 *	45.6	218.4	22,100 *	49.6	223.1	23,800 *							145
150	29.5	186.7	16,800 *	35.3	199.5	18,400 *	38.4	205.5	19,400 *	43.0	213.3	21,100 *	47.2	218.7	22,700 *	51.0	222.1	24,100 *				150
155	25.6	177.1	16,000 *	32.1	192.0	17,500 *	35.4	198.8	18,500 *	40.3	207.7	20,100 *	44.7	213.9	21,700 *	48.7	217.9	23,100 *				155
160	21.1	165.6	15,300 *	28.5	183.5	16,700 *	32.2	191.4	17,600 *	37.5	201.5	19,200 *	42.1	208.6	20,700 *	46.2	213.3	22,200 *				160
170	5.5	123.3	14,300 *	19.8	161.1	15,300 *	24.7	172.9	16,100 *	31.1	186.8	17,500 *	36.5	196.4	18,900 *	41.0	202.8	20,300 *	45.0	206.8	21,500 *	170
180							13.7	144.2	14,800 *	23.3	167.4	15,900 *	29.9	181.1	17,200 *	35.2	190.0	18,500 *	39.7	195.8	19,700 *	180
190										11.2	135.2	14,800 *	21.7	160.4	15,800 *	28.4	173.9	16,900 *	33.7	182.4	18,100 *	190
200													7.4	121.8	14,500 *	19.6	151.5	15,500 *	26.6	165.2	16,600 *	200
210																			16.9	140.2	15,300 *	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

100 Ft. Boom, 170 Ft. Jib

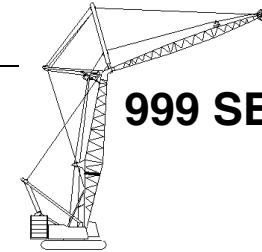
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	23,500 *							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	22,500 *							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	21,400 *							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	20,400 *							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	19,500 *	51.6	230.9	20,800 *				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	18,500 *	49.4	226.8	19,900 *				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	16,700 *	44.8	217.5	18,100 *				170
180	5.3	123.8	10,200 *	19.2	162.9	11,600 *	23.9	175.0	12,400 *	30.2	189.6	13,800 *	35.3	199.6	15,100 *	39.8	206.5	16,400 *	43.6	210.8	17,500 *	180
190				13.3	145.4	10,800 *	22.6	169.4	12,200 *	22.6	169.4	12,200 *	29.0	183.7	13,600 *	34.1	193.2	14,800 *	38.5	199.4	15,900 *	190
200										10.9	136.2	10,600 *	21.0	162.3	11,900 *	27.6	176.4	13,300 *	32.7	185.4	14,400 *	200
210													7.1	122.4	10,400 *	19.0	153.2	11,600 *	25.8	167.5	12,900 *	210
220																			16.4	141.7	11,300 *	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	99,600 *b																55	
60	45.7	168.0	87,100 *	55.8	174.9	95,400 *b	61.2	177.4	100,700 *b													60	
65	39.6	162.6	79,300 *	50.7	171.1	91,700 *b	56.5	174.3	96,600 *b													65	
70	32.7	155.7	72,100 *	45.2	166.6	87,800 *	51.4	170.7	92,800 *b	60.6	174.7	90,100 b										70	
75	24.1	146.5	65,000 *	39.1	161.1	79,000 *	45.9	166.3	86,500	55.8	171.6	82,800 b										75	
80	10.1	130.2	49,700 *	32.0	154.1	71,600 *	39.9	160.9	80,000	50.7	167.9	76,500										80	
85				23.2	144.5	65,500 *	33.0	154.2	72,600 *	45.2	163.4	71,100			54.9	167.9	67,900 b					85	
90				7.7	126.4	51,100 *	24.5	145.1	66,300 *	39.1	157.8	66,300			49.7	164.1	63,400					90	
95							11.1	129.5	56,300 *	32.0	150.8	62,100			44.1	159.4	59,300					95	
100										23.2	141.3	58,300			37.9	153.6	55,700	48.4	159.2	53,200		100	
105										7.8	123.2	54,800			30.6	146.3	52,500	42.7	154.3	50,100		105	
110															21.2	136.0	49,500	36.2	148.2	47,300	46.7	153.1	45,100
115																		28.6	140.3	44,800	40.7	147.9	42,700
120																		18.3	128.8	42,400	34.0	141.3	40,500
125																					25.7	132.6	38,500
130																					13.6	118.6	36,600

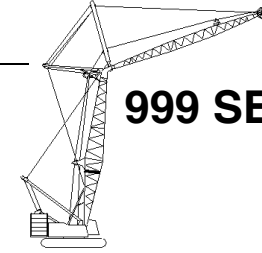
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 80 Ft. Jib

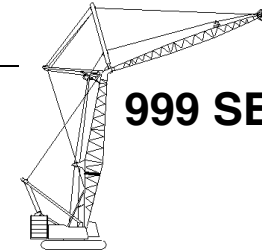
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	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	89,100 *b																55
60	52.3	181.2	77,100 *	60.5	186.6	85,000 *b	65.1	188.6	89,900 *b													60
65	47.6	177.0	74,000 *	56.3	183.5	81,300 *	61.1	186.0	85,900 *b													65
70	42.6	172.0	71,300 *	51.9	179.9	78,000 *	56.9	183.0	82,300 *													70
75	37.0	166.0	66,500 *	47.2	175.7	75,000 *	52.5	179.5	78,900 *	60.5	183.4	82,400 b										75
80	30.5	158.6	61,000 *	42.1	170.6	72,300 *	47.9	175.3	75,900 *	56.3	180.3	76,200										80
85	22.5	148.5	55,700 *	36.4	164.5	65,900 *	42.8	170.4	73,200 *	51.9	176.7	70,800										85
90	9.5	131.1	43,300 *	29.9	156.8	60,600 *	37.2	164.4	66,800 *	47.2	172.4	66,000	55.5	176.6	63,000							90
95				21.6	146.5	56,000 *	30.8	157.0	61,300 *	42.1	167.4	61,800	51.1	172.9	59,000							95
100				7.2	127.1	44,700 *	22.9	147.2	56,500 *	36.4	161.3	58,000	46.3	168.5	55,400							100
105							10.4	130.5	49,200 *	29.9	153.6	54,700	41.1	163.3	52,200	50.0	168.1	49,700				105
110										21.6	143.3	51,600	35.3	156.9	49,300	45.1	163.5	47,000				110
115										7.3	123.9	48,700	28.6	148.9	46,600	39.8	158.0	44,500				115
120													19.8	137.8	44,200	33.8	151.3	42,200	43.5	157.3	40,100	120
125																26.7	142.8	40,000	38.0	151.4	38,100	125
130																17.1	130.3	38,100	31.7	144.3	36,300	130
135																			24.1	134.8	34,600	135
140																			12.7	119.8	32,900	140



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 90 Ft. Jib

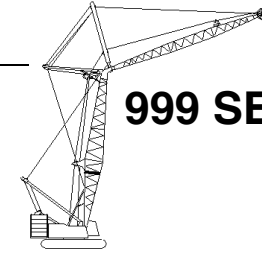
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	77,600 *b	68.0	199.5	81,500 *b													60
65	53.2	190.0	67,600 *	60.5	195.3	74,500 *	64.5	197.3	78,300 *b													65
70	49.1	186.0	65,100 *	56.7	192.2	71,500 *	61.0	194.7	75,200 *													70
75	44.8	181.3	62,700 *	52.8	188.7	68,700 *	57.3	191.7	72,300 *													75
80	40.0	175.8	60,600 *	48.7	184.6	66,100 *	53.4	188.2	69,600 *	60.5	192.0	74,700 *										80
85	34.8	169.3	56,300 *	44.3	179.9	63,800 *	49.3	184.2	67,000 *	56.7	189.0	70,500										85
90	28.7	161.2	52,200 *	39.6	174.3	60,500 *	45.0	179.6	64,600 *	52.8	185.5	65,800										90
95	21.2	150.5	48,600 *	34.3	167.7	55,900 *	40.3	174.2	61,200 *	48.7	181.4	61,600	56.0	185.3	58,700							95
100	8.9	131.9	38,600 *	28.1	159.4	51,900 *	35.0	167.7	56,500 *	44.4	176.7	57,900	52.1	181.7	55,200							100
105				20.4	148.3	48,300 *	29.0	159.7	52,400 *	39.6	171.1	54,500	48.0	177.5	52,000							105
110				6.8	127.7	40,100 *	21.6	149.1	48,800 *	34.3	164.4	51,500	43.5	172.6	49,100	51.1	176.9	46,700				110
115							9.8	131.3	44,100 *	28.1	156.2	48,700	38.7	166.9	46,500	46.9	172.5	44,200				115
120										20.4	145.1	46,200	33.3	160.0	44,100	42.4	167.5	42,000				120
125										6.9	124.5	43,800	26.9	151.4	41,900	37.4	161.5	39,900	45.5	166.4	37,900	125
130													18.7	139.5	39,800	31.8	154.3	38,000	40.9	161.1	36,100	130
135																25.1	145.1	36,200	35.7	154.8	34,400	135
140																16.1	131.8	34,500	29.9	147.0	32,800	140
145																			22.7	136.9	31,400	145
150																			11.9	120.8	30,000	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 100 Ft. Jib

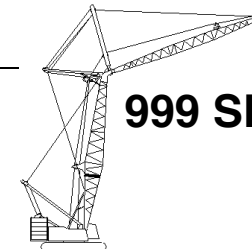
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.2	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	69,100 *	67.2	208.2	72,600 *b													65
70	53.9	198.7	60,000 *	60.4	203.9	66,200 *	64.1	206.0	69,600 *													70
75	50.3	194.8	57,600 *	57.1	200.9	63,400 *	60.9	203.4	66,800 *													75
80	46.4	190.4	55,400 *	53.6	197.5	60,900 *	57.5	200.4	64,100 *													80
85	42.3	185.3	53,400 *	49.9	193.5	58,500 *	54.1	197.0	61,600 *	60.4	200.7	66,300 *										85
90	37.9	179.3	51,500 *	46.1	189.0	56,300 *	50.4	193.1	59,300 *	57.1	197.7	63,900 *										90
95	33.0	172.3	48,300 *	42.0	183.8	54,300 *	46.6	188.7	57,000 *	53.6	194.2	61,200										95
100	27.2	163.7	45,100 *	37.5	177.8	51,600 *	42.5	183.6	55,000 *	49.9	190.3	57,500	56.5	194.0	54,800							100
105	20.1	152.3	42,200 *	32.5	170.7	48,000 *	38.1	177.7	52,100 *	46.1	185.8	54,200	52.9	190.5	51,600							105
110	8.5	132.6	34,500 *	26.7	161.9	44,900 *	33.2	170.8	48,500 *	42.0	180.6	51,200	49.3	186.4	48,700							110
115				19.3	150.1	42,000 *	27.5	162.2	45,300 *	37.5	174.6	48,400	45.4	181.8	46,100	52.1	185.7	43,800				115
120				6.5	128.3	36,000 *	20.5	151.0	42,400 *	32.5	167.4	46,000	41.2	176.5	43,700	48.3	181.5	41,600				120
125							9.3	132.2	39,500 *	26.7	158.6	43,700	36.6	170.3	41,600	44.4	176.8	39,500				125
130										19.3	146.9	41,600	31.5	162.9	39,600	40.1	171.2	37,600	47.1	175.5	35,700	130
135										6.5	125.1	39,200 *	25.5	153.7	37,700	35.4	164.8	35,900	43.1	170.5	34,000	135
140													17.7	141.1	36,000	30.1	157.0	34,200	38.7	164.7	32,500	140
145																23.8	147.2	32,700	33.8	157.9	31,000	145
150																15.3	133.1	31,300	28.3	149.6	29,700	150
155																			21.5	138.8	28,400	155
160																			11.3	121.9	27,200	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 110 Ft. Jib

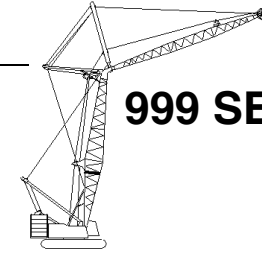
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	63,400 *	66.6	217.0	66,200 *													70
75	54.5	207.5	55,600 *	60.4	212.6	60,900 *	63.7	214.6	63,800 *													75
80	51.2	203.7	53,500 *	57.3	209.6	58,500 *	60.8	212.0	61,400 *													80
85	47.8	199.4	51,500 *	54.2	206.2	56,300 *	57.8	209.0	59,100 *													85
90	44.2	194.6	49,700 *	50.9	202.4	54,200 *	54.6	205.7	56,800 *	60.4	209.4	60,800 *										90
95	40.3	189.0	48,000 *	47.5	198.0	52,200 *	51.4	201.9	54,800 *	57.3	206.3	58,700 *										95
100	36.1	182.7	45,600 *	43.8	193.1	50,400 *	47.9	197.7	52,800 *	54.2	202.9	56,600 *										100
105	31.4	175.2	42,500 *	39.9	187.6	48,700 *	44.3	192.9	50,900 *	50.9	199.1	54,100	56.8	202.7	51,500							105
110	25.9	166.1	39,800 *	35.7	181.1	45,400 *	40.5	187.4	49,200 *	47.5	194.8	51,200	53.6	199.2	48,700							110
115	19.2	154.0	37,200 *	30.9	173.5	42,400 *	36.3	181.1	45,900 *	43.8	189.9	48,400	50.3	195.3	46,100							115
120	8.1	133.4	29,200 *	25.4	164.2	39,700 *	31.6	173.7	42,800 *	39.9	184.3	46,000	46.8	190.9	43,700	52.8	194.5	41,500				120
125				18.4	151.7	37,100 *	26.2	164.6	40,100 *	35.7	177.9	43,700	43.1	185.9	41,600	49.5	190.4	39,500				125
130				6.2	128.8	30,600 *	19.5	152.7	37,500 *	30.9	170.3	41,600	39.2	180.2	39,600	46.0	185.9	37,600				130
135							8.9	133.0	33,900 *	25.4	160.9	39,700	34.9	173.5	37,800	42.2	180.7	35,800				135
140										18.4	148.5	37,300 *	30.0	165.7	36,100	38.2	174.8	34,200	44.8	179.7	32,500	140
145										6.2	125.6	34,800 *	24.3	155.9	34,500	33.7	167.9	32,700	41.0	174.3	31,000	145
150													16.9	142.6	33,000	28.7	159.7	31,300	36.8	168.1	29,700	150
155																22.7	149.3	30,000	32.2	160.9	28,500	155
160																14.5	134.4	28,800	27.0	152.1	27,300	160
170																			10.8	122.8	25,100	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 120 Ft. Jib

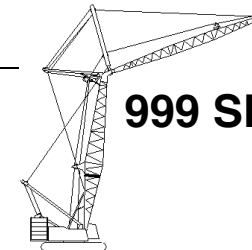
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	73.6	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	51,900 *													80
85	52.0	212.5	43,600 *	57.6	218.3	47,600 *	60.7	220.7	49,900 *													85
90	48.9	208.3	42,000 *	54.7	214.9	45,800 *	57.9	217.7	48,000 *													90
95	45.6	203.7	40,400 *	51.7	211.2	44,000 *	55.1	214.4	46,200 *	60.4	218.0	49,300 *										95
100	42.2	198.5	39,000 *	48.6	207.0	42,400 *	52.1	210.7	44,400 *	57.6	215.0	47,600 *										100
105	38.5	192.6	37,700 *	45.3	202.3	40,800 *	49.0	206.6	42,800 *	54.7	211.7	45,900 *										105
110	34.5	185.9	36,400 *	41.9	197.1	39,400 *	45.8	202.0	41,200 *	51.7	207.9	44,200 *	57.1	211.4	46,700 *							110
115	30.0	177.9	35,300 *	38.2	191.1	38,000 *	42.4	196.8	39,800 *	48.6	203.8	42,700 *	54.2	207.9	45,200 *							115
120	24.8	168.3	34,300 *	34.1	184.3	36,800 *	38.7	191.0	38,400 *	45.3	199.1	41,200 *	51.2	204.1	43,400 *							120
125	18.3	155.7	33,200 *	29.6	176.2	35,700 *	34.7	184.3	37,100 *	41.9	193.8	39,700 *	48.0	199.9	41,200 *							125
130	7.7	134.0	26,100 *	24.3	166.4	34,700 *	30.2	176.4	36,000 *	38.2	187.9	38,400 *	44.7	195.1	39,200 *	50.4	199.3	37,200				130
135				17.6	153.3	33,100 *	25.1	166.9	35,000 *	34.1	181.0	37,200 *	41.2	189.7	37,400 *	47.2	194.9	35,500				135
140				5.9	129.3	27,400 *	18.7	154.4	33,400 *	29.6	173.0	36,100 *	37.5	183.6	35,700 *	43.9	190.0	33,900				140
145							8.5	133.7	30,400 *	24.3	163.1	35,100 *	33.3	176.6	34,200 *	40.3	184.5	32,400	46.2	188.8	30,600	145
150										17.6	150.1	33,200 *	28.7	168.3	32,700 *	36.5	178.2	31,000	42.8	183.7	29,300	150
155										5.9	126.1	31,100 *	23.2	158.0	31,300 *	32.3	170.9	29,700	39.2	178.0	28,100	155
160													16.2	144.0	30,000	27.5	162.2	28,500	35.2	171.4	26,900	160
170																13.9	135.7	26,200	25.8	154.4	24,800	170
180																			10.3	123.7	22,900	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 130 Ft. Jib

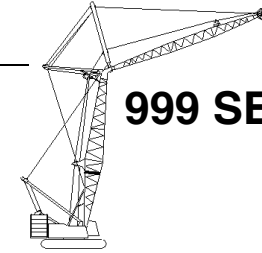
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	44,500 *													90
95	49.8	217.2	37,500 *	55.1	223.6	40,900 *	58.1	226.4	42,900 *	62.8	229.4	45,500 *										95
100	46.8	212.8	36,100 *	52.4	219.9	39,400 *	55.5	223.1	41,300 *	60.3	226.7	44,000 *										100
105	43.7	207.8	34,800 *	49.5	215.9	37,900 *	52.8	219.5	39,700 *	57.8	223.7	42,500 *										105
110	40.5	202.3	33,500 *	46.6	211.4	36,500 *	49.9	215.5	38,200 *	55.1	220.4	41,000 *										110
115	36.9	196.0	32,400 *	43.5	206.4	35,100 *	47.0	211.1	36,800 *	52.4	216.7	39,500 *	57.3	220.0	41,600 *							115
120	33.1	188.9	31,300 *	40.2	200.8	33,900 *	43.9	206.1	35,500 *	49.5	212.7	38,100 *	54.6	216.7	40,300 *							120
125	28.8	180.6	30,300 *	36.6	194.5	32,700 *	40.6	200.6	34,200 *	46.6	208.2	36,800 *	51.9	212.9	39,000 *							125
130	23.8	170.5	29,400 *	32.7	187.3	31,600 *	37.1	194.4	33,000 *	43.5	203.2	35,400 *	49.0	208.8	37,700 *							130
135	17.6	157.2	28,600 *	28.4	178.8	30,600 *	33.3	187.3	31,900 *	40.2	197.6	34,200 *	46.0	204.2	36,400 *	51.2	208.1	35,200				135
140	7.4	134.7	23,300 *	23.3	168.5	29,700 *	29.0	179.1	30,900 *	36.6	191.3	33,000 *	42.9	199.1	35,200 *	48.3	203.9	33,600				140
145				16.9	154.8	28,900 *	24.1	169.1	29,900 *	32.7	184.0	31,900 *	39.5	193.4	33,900	45.3	199.2	32,100				145
150				5.7	129.8	24,600 *	17.9	156.0	29,200 *	28.4	175.6	30,900 *	35.9	187.0	32,500	42.1	193.9	30,800	47.4	197.8	29,100	150
155							8.2	134.5	27,300 *	23.3	165.3	30,000 *	32.0	179.5	31,100	38.7	188.1	29,500	44.3	193.0	27,800	155
160										16.9	151.6	29,200 *	27.5	170.8	29,900	35.0	181.4	28,300	41.0	187.6	26,700	160
170													15.5	145.4	27,500	26.4	164.6	26,100	33.8	174.5	24,600	170
180																13.4	136.9	24,100	24.8	156.6	22,800	180
190																			9.9	124.6	21,000	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 140 Ft. Jib

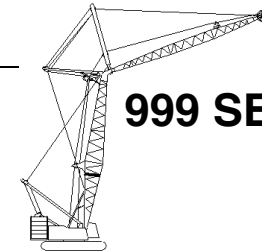
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	37,700 *	62.6	238.1	40,100 *										100
105	47.9	221.8	31,500 *	52.9	228.7	34,500 *	55.8	231.8	36,200 *	60.3	235.4	38,700 *										105
110	45.0	217.0	30,200 *	50.3	224.7	33,100 *	53.3	228.2	34,800 *	57.9	232.4	37,300 *										110
115	42.1	211.7	29,000 *	47.6	220.4	31,700 *	50.7	224.3	33,400 *	55.5	229.1	35,900 *										115
120	38.9	205.9	27,900 *	44.8	215.6	30,500 *	48.0	220.0	32,100 *	52.9	225.5	34,600 *	57.5	228.7	36,500 *							120
125	35.5	199.3	26,800 *	41.8	210.3	29,300 *	45.2	215.3	30,800 *	50.3	221.5	33,200 *	55.0	225.4	35,300 *							125
130	31.9	191.8	25,800 *	38.6	204.4	28,200 *	42.2	210.1	29,600 *	47.6	217.2	32,000 *	52.5	221.7	34,100 *							130
135	27.7	183.1	24,900 *	35.2	197.7	27,100 *	39.1	204.3	28,400 *	44.8	212.4	30,700 *	49.9	217.7	32,800 *							135
140	23.0	172.5	24,100 *	31.5	190.1	26,100 *	35.7	197.7	27,300 *	41.8	207.1	29,600 *	47.1	213.3	31,600 *	51.9	216.9	33,200 *				140
145	17.0	158.8	23,400 *	27.3	181.3	25,100 *	32.0	190.3	26,300 *	38.6	201.2	28,400 *	44.3	208.4	30,500 *	49.2	212.8	31,800 *				145
150	7.1	135.3	20,800 *	22.5	170.5	24,300 *	27.9	181.6	25,400 *	35.2	194.5	27,300 *	41.2	203.0	29,400 *	46.4	208.3	30,400 *				150
155				16.3	156.3	23,600 *	23.2	171.1	24,500 *	31.5	186.9	26,300 *	38.0	196.9	28,300 *	43.5	203.3	29,100 *				155
160				5.5	130.3	22,000 *	17.3	157.6	23,800 *	27.3	178.0	25,400 *	34.6	190.1	27,200 *	40.5	197.7	27,900 *	45.5	202.1	26,300 *	160
170										16.3	153.1	23,900 *	26.5	173.2	25,400 *	33.7	184.5	25,700 *	39.5	191.2	24,200 *	170
180													14.9	146.8	23,900 *	25.4	166.9	23,800 *	32.5	177.5	22,400 *	180
190																12.9	138.0	22,000 *	23.8	158.8	20,800 *	190
200																			9.6	125.5	19,200 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 150 Ft. Jib

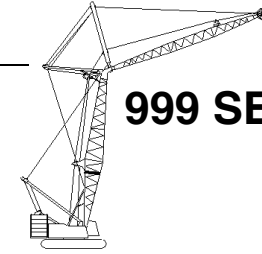
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.0	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	35,500 *										105
110	48.7	230.7	27,500 *	53.4	237.5	30,200 *	56.1	240.5	31,800 *	60.3	244.0	34,200 *										110
115	46.2	226.1	26,300 *	51.0	233.6	28,900 *	53.8	237.0	30,500 *	58.1	241.0	32,900 *										115
120	43.4	221.1	25,200 *	48.5	229.3	27,700 *	51.4	233.2	29,200 *	55.8	237.8	31,600 *										120
125	40.6	215.5	24,200 *	45.9	224.7	26,500 *	48.9	229.0	28,000 *	53.4	234.2	30,300 *	57.6	237.4	32,100 *							125
130	37.6	209.4	23,200 *	43.2	219.6	25,400 *	46.3	224.4	26,800 *	51.0	230.3	29,100 *	55.4	234.1	31,000 *							130
135	34.3	202.5	22,200 *	40.3	214.0	24,400 *	43.6	219.4	25,700 *	48.5	226.1	27,900 *	53.0	230.5	29,800 *							135
140	30.7	194.6	21,300 *	37.3	207.8	23,300 *	40.7	213.9	24,600 *	45.9	221.5	26,700 *	50.6	226.5	28,700 *							140
145	26.8	185.5	20,500 *	34.0	200.8	22,400 *	37.7	207.7	23,600 *	43.2	216.4	25,600 *	48.1	222.2	27,600 *	52.4	225.7	29,100 *				145
150	22.2	174.5	19,700 *	30.4	192.9	21,500 *	34.5	200.9	22,600 *	40.3	210.8	24,600 *	45.4	217.5	26,500 *	50.0	221.7	28,100 *				150
155	16.4	160.2	19,100 *	26.4	183.7	20,700 *	30.9	193.1	21,700 *	37.3	204.6	23,600 *	42.7	212.4	25,400 *	47.4	217.3	27,100 *				155
160		136.0	18,600 *	21.7	172.5	19,900 *	27.0	184.0	20,900 *	34.0	197.6	22,600 *	39.8	206.7	24,400 *	44.8	212.5	26,100 *				160
170				5.3	130.8	18,800 *	16.7	159.1	19,400 *	26.4	180.4	20,900 *	33.4	193.2	22,500 *	39.1	201.3	24,100 *	43.9	206.2	24,200	170
180										15.8	154.5	19,400 *	25.6	175.5	20,800 *	32.5	187.5	22,300 *	38.1	194.7	22,300	180
190													14.4	148.1	19,400 *	24.5	169.1	20,700 *	31.4	180.3	20,700	190
200																12.4	139.1	19,400 *	23.0	160.9	19,200	200
210																			9.2	126.3	17,800	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 160 Ft. Jib

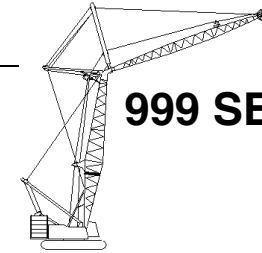
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	30,900 *										110
115	49.5	239.6	23,500 *	53.9	246.2	26,000 *	56.3	249.2	27,500 *	60.3	252.7	29,600 *										115
120	47.1	235.1	22,400 *	51.6	242.4	24,800 *	54.2	245.7	26,200 *	58.2	249.7	28,400 *										120
125	44.6	230.3	21,300 *	49.3	238.3	23,600 *	51.9	242.0	25,000 *	56.0	246.5	27,200 *										125
130	42.0	225.0	20,300 *	46.9	233.8	22,500 *	49.6	237.9	23,900 *	53.9	243.0	26,000 *										130
135	39.2	219.1	19,400 *	44.4	228.9	21,500 *	47.2	233.4	22,700 *	51.6	239.2	24,900 *	57.8	242.8	26,700 *							135
140	36.3	212.7	18,500 *	41.8	223.5	20,500 *	44.7	228.6	21,700 *	49.3	235.0	23,700 *	55.7	242.8	26,700 *							140
145	33.2	205.5	17,700 *	39.0	217.6	19,500 *	42.1	223.3	20,700 *	46.9	230.5	22,700 *	53.5	239.2	25,600 *							145
150	29.7	197.3	16,900 *	36.0	211.1	18,600 *	39.4	217.5	19,700 *	44.4	225.6	21,600 *	51.2	235.4	24,500 *							150
155	25.9	187.8	16,100 *	32.9	203.8	17,800 *	36.5	211.1	18,800 *	41.8	220.3	20,600 *	48.9	231.2	23,500 *	52.9	234.5	24,900 *				155
160	21.5	176.4	15,400 *	29.4	195.6	17,000 *	33.3	203.9	18,000 *	39.0	214.4	19,700 *	46.4	226.6	22,400 *	50.6	230.5	24,000 *				160
170	6.7	136.5	14,400 *	21.0	174.3	15,500 *	26.1	186.4	16,400 *	32.9	200.6	17,900 *	43.9	221.6	21,400 *	48.3	226.2	23,000 *				170
180				5.1	131.3	14,400 *	16.2	160.5	15,000 *	25.5	182.7	16,400 *	38.5	210.2	19,600 *	43.3	216.5	21,100 *	47.5	220.2	22,300 *	180
190										15.3	155.9	15,100 *	32.3	196.1	17,800 *	37.8	204.8	19,300 *	42.5	210.2	20,600 *	190
200													24.8	177.7	16,300 *	31.5	190.3	17,600 *	36.8	198.1	19,000 *	200
210													14.0	149.3	15,000 *	23.7	171.2	16,200 *	30.4	183.1	17,400 *	210
220																12.1	140.2	15,000 *	22.3	162.9	16,000 *	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

110 Ft. Boom, 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	75.0	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	22,500 *	57.9	254.7	24,200 *							135
140	40.7	228.7	16,500 *	45.4	238.0	18,300 *	48.0	242.4	19,500 *	52.1	247.9	21,400 *	55.9	251.5	23,200 *							140
145	38.0	222.6	15,600 *	43.0	232.9	17,400 *	45.7	237.7	18,500 *	50.0	243.9	20,400 *	53.9	248.0	22,100 *							145
150	35.2	215.9	14,800 *	40.5	227.3	16,500 *	43.3	232.6	17,600 *	47.7	239.5	19,400 *	51.7	244.2	21,100 *							150
155	32.2	208.4	14,100 *	37.8	221.1	15,700 *	40.8	227.1	16,700 *	45.4	234.8	18,500 *	49.6	240.1	20,200 *							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	19,200 *	51.2	239.3	20,600 *				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	17,400 *	46.8	230.6	18,800 *				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	15,700 *	41.9	220.4	17,100 *	46.0	224.5	18,300 *	180
190				5.0	131.7	10,300 *	15.7	161.9	11,100 *	24.8	185.0	12,700 *	31.3	199.0	14,200 *	36.6	208.2	15,500 *	41.1	214.0	16,700 *	190
200										14.8	157.2	11,100 *	24.0	179.9	12,500 *	30.5	193.1	14,000 *	35.7	201.4	15,200 *	200
210													13.6	150.5	11,000 *	23.0	173.3	12,400 *	29.4	185.8	13,800 *	210
220																11.7	141.3	10,800 *	21.6	164.8	12,100 *	220
230																			8.7	127.9	10,600 *	230

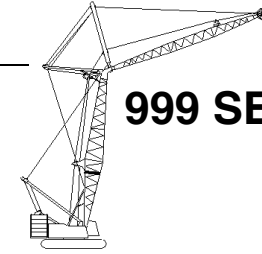
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 70 Ft. Jib

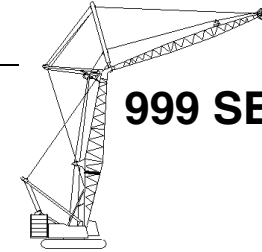
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	100,400 *b																55
60	46.1	178.3	87,100 *	57.0	185.6	96,200 *b	62.8	188.1	101,900 *b													60
65	40.1	173.0	79,900 *	52.0	182.0	92,400 *b	58.1	185.3	97,800 *b													65
70	33.2	166.3	72,500 *	46.5	177.7	89,100 *	53.2	181.9	93,500 b	63.0	185.8	89,100 b										70
75	24.8	157.2	66,400 *	40.6	172.5	81,000 *	47.9	177.8	85,900	58.3	183.0	81,800 b										75
80	11.6	142.0	51,400 *	33.8	165.9	73,300 *	42.1	172.8	79,400	53.4	179.6	75,600 b										80
85				25.6	157.1	66,900 *	35.6	166.6	73,700	48.1	175.5	70,200										85
90				13.2	142.9	56,600 *	27.8	158.5	68,300 *	42.3	170.5	65,500	53.3	176.2	62,300 b							90
95							17.0	146.3	62,700 *	35.8	164.4	61,300	48.0	172.1	58,300							95
100										28.1	156.3	57,600	42.2	167.1	54,800	52.9	171.7	52,000				100
105										17.5	144.4	54,200	35.7	160.9	51,600	47.5	167.5	49,000				105
110													27.9	152.9	48,700	41.7	162.5	46,300				110
115													17.3	140.8	46,100	35.1	156.2	43,800	46.7	161.8	41,500	115
120																27.2	147.9	41,500	40.7	156.5	39,400	120
125																16.1	135.3	39,400	34.0	150.0	37,400	125
130																			25.7	141.3	35,600	130
135																			13.6	127.3	33,800	135



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

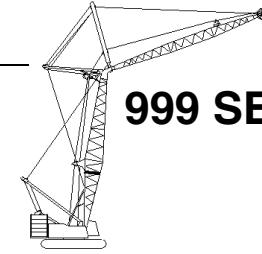
120 Ft. Boom, 80 Ft. Jib

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	89,900 *b																55
60	52.6	191.5	77,200 *	61.5	197.2	85,800 *b	66.5	199.2	91,000 *b													60
65	48.0	187.3	74,200 *	57.4	194.3	82,100 *b	62.5	196.8	87,100 *b													65
70	42.9	182.4	71,500 *	53.0	190.8	78,800 *	58.4	194.0	83,400 *b													70
75	37.4	176.5	66,900 *	48.4	186.7	75,700 *	54.1	190.6	80,000 *	62.6	194.4	81,400 b										75
80	31.0	169.1	61,400 *	43.4	181.9	72,900 *	49.5	186.7	76,900 *	58.5	191.6	75,300 b										80
85	23.1	159.4	56,600 *	37.9	176.0	67,400 *	44.6	182.0	73,500	54.2	188.3	69,900										85
90	10.9	143.0	44,800 *	31.6	168.8	61,800 *	39.3	176.5	68,500	49.7	184.4	65,200										90
95				23.9	159.3	57,000 *	33.2	169.7	63,100 *	44.8	179.8	61,000	54.2	184.9	57,900							95
100				12.4	144.0	49,300 *	25.9	160.8	58,100 *	39.5	174.2	57,300	49.6	181.0	54,400							100
105							15.9	147.7	53,800 *	33.4	167.5	54,000	44.7	176.4	51,300							105
110										26.2	158.7	51,000	39.4	170.8	48,400	49.2	176.5	45,900				110
115										16.3	145.9	48,200	33.3	164.0	45,800	44.3	171.8	43,400				115
120													26.1	155.3	43,400	38.9	166.1	41,200				120
125													16.1	142.3	41,200	32.8	159.2	39,100	43.5	165.9	37,000	125
130																25.4	150.2	37,200	38.0	160.1	35,200	130
135																15.1	136.7	35,400	31.7	152.9	33,600	135
140																			24.1	143.5	32,000	140
145																			12.7	128.4	30,600	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 90 Ft. Jib

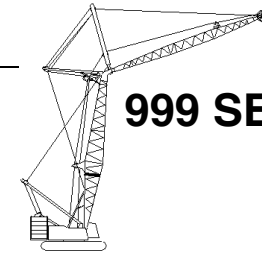
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	78,100 *b																60
65	53.5	200.2	67,600 *	61.4	205.9	75,000 *	65.8	207.9	79,000 *b													65
70	49.4	196.3	65,100 *	57.7	202.9	72,000 *	62.2	205.5	76,000 *b													70
75	45.1	191.6	62,800 *	53.8	199.5	69,300 *	58.6	202.6	73,200 *													75
80	40.4	186.2	60,600 *	49.8	195.6	66,700 *	54.7	199.4	70,400 *	62.3	203.1	75,000										80
85	35.2	179.8	56,600 *	45.4	191.0	64,300 *	50.7	195.5	67,800 *	58.7	200.3	69,700										85
90	29.2	171.8	52,400 *	40.8	185.7	61,800 *	46.5	191.1	65,400 *	54.9	197.0	65,000										90
95	21.8	161.3	48,800 *	35.6	179.3	57,000 *	41.9	186.0	63,100 *	50.9	193.2	60,800										95
100	10.3	143.9	39,900 *	29.7	171.6	52,800 *	36.9	179.9	58,100 *	46.7	188.9	57,100	54.8	193.6	54,200							100
105				22.5	161.4	49,100 *	31.2	172.5	53,700 *	42.1	183.7	53,800	50.8	189.8	51,000							105
110				11.7	145.1	44,000 *	24.4	163.1	50,000 *	37.1	177.7	50,800	46.6	185.4	48,200							110
115							15.0	149.1	46,600 *	31.5	170.4	48,100	42.0	180.3	45,600	50.5	185.3	43,200				115
120										24.7	161.0	45,600	37.0	174.3	43,300	46.2	180.9	41,000				120
125										15.4	147.3	43,300	31.4	166.9	41,100	41.7	175.7	38,900				125
130													24.6	157.5	39,200	36.6	169.5	37,100	45.5	175.1	35,000	130
135													15.2	143.7	37,300	30.9	162.1	35,300	40.9	169.8	33,400	135
140																24.0	152.4	33,700	35.7	163.4	31,900	140
145																14.2	138.0	32,200	29.9	155.7	30,400	145
150																			22.7	145.5	29,100	150
155																			11.9	129.5	27,800	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.4	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	69,600 *																65
70	54.2	209.0	60,100 *	61.2	214.5	66,700 *	65.2	216.6	70,400 *													70
75	50.5	205.1	57,700 *	57.9	211.6	64,000 *	62.0	214.2	67,600 *													75
80	46.7	200.7	55,500 *	54.4	208.3	61,400 *	58.7	211.3	65,000 *													80
85	42.6	195.7	53,500 *	50.8	204.4	59,100 *	55.3	208.1	62,400 *	62.1	211.8	67,300 *										85
90	38.2	189.8	51,600 *	47.0	200.1	56,800 *	51.7	204.4	60,100 *	58.8	209.0	64,600 *										90
95	33.3	182.8	48,500 *	43.0	195.1	54,800 *	48.0	200.1	57,800 *	55.4	205.7	60,500 *										95
100	27.7	174.4	45,300 *	38.6	189.3	52,500 *	44.0	195.3	55,700 *	51.9	202.0	56,800 *										100
105	20.7	163.2	42,400 *	33.8	182.5	48,800 *	39.7	189.7	53,500 *	48.1	197.8	53,500 *	55.4	202.3	50,600 *							105
110	9.7	144.8	35,700 *	28.2	174.1	45,600 *	35.0	183.2	49,700 *	44.1	193.0	50,500 *	51.8	198.6	47,800 *							110
115				21.3	163.3	42,700 *	29.6	175.3	46,300 *	39.9	187.5	47,800 *	48.1	194.4	45,300 *							115
120				11.1	146.1	39,400 *	23.2	165.2	43,400 *	35.1	181.0	45,400 *	44.1	189.6	42,900 *	51.5	194.1	40,600 *				120
125							14.2	150.4	40,700 *	29.8	173.1	43,100 *	39.8	184.1	40,800 *	47.7	189.9	38,500 *				125
130										23.4	163.1	41,000 *	35.1	177.5	38,800 *	43.7	185.0	36,700 *				130
135										14.6	148.6	39,100 *	29.7	169.6	37,000 *	39.4	179.4	35,000 *	47.1	184.1	33,000 *	135
140													23.3	159.6	35,300 *	34.7	172.8	33,400 *	43.1	179.2	31,500 *	140
145													14.4	145.0	33,700 *	29.3	164.7	31,900 *	38.7	173.4	30,100 *	145
150																22.7	154.5	30,500 *	33.8	166.6	28,800 *	150
155																13.5	139.2	29,200 *	28.3	158.3	27,500 *	155
160																			21.5	147.5	26,400 *	160

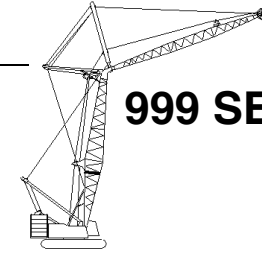
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 110 Ft. Jib

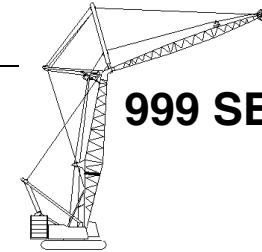
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	63,800 *	67.6	227.5	66,500 *													70
75	54.7	217.7	55,600 *	61.1	223.2	61,400 *	64.7	225.3	64,400 *													75
80	51.4	213.9	53,500 *	58.1	220.3	59,000 *	61.8	222.8	62,100 *													80
85	48.0	209.7	51,600 *	55.0	217.0	56,700 *	58.8	220.0	59,800 *													85
90	44.4	204.9	49,800 *	51.7	213.3	54,600 *	55.7	216.8	57,500 *	61.9	220.5	61,600 *										90
95	40.6	199.5	48,100 *	48.3	209.1	52,700 *	52.5	213.1	55,400 *	58.9	217.6	59,600 *										95
100	36.4	193.2	45,900 *	44.7	204.3	50,800 *	49.2	209.1	53,500 *	55.8	214.4	56,700 *										100
105	31.7	185.8	42,900 *	40.9	198.9	49,100 *	45.6	204.5	51,600 *	52.6	210.8	53,400 *										105
110	26.4	176.8	40,100 *	36.7	192.7	46,300 *	41.8	199.2	49,900 *	49.3	206.8	50,500 *	55.8	211.0	47,800 *							110
115	19.7	165.0	37,500 *	32.1	185.4	43,200 *	37.8	193.2	47,200 *	45.7	202.2	47,800 *	52.6	207.4	45,200 *							115
120	9.3	145.6	30,800 *	26.8	176.6	40,400 *	33.3	186.2	44,000 *	42.0	197.0	45,400 *	49.2	203.4	42,900 *							120
125				20.3	165.1	37,800 *	28.2	177.8	41,100 *	37.9	191.0	43,100 *	45.7	198.8	40,800 *	52.3	202.9	38,500 *				125
130				10.5	147.0	34,300 *	22.1	167.2	38,500 *	33.5	184.0	41,100 *	41.9	193.6	38,800 *	48.9	198.8	36,700 *				130
135							13.5	151.6	36,000 *	28.4	175.7	39,200 *	37.9	187.6	37,000 *	45.4	194.2	35,000 *				135
140										22.3	165.1	37,400 *	33.4	180.6	35,400 *	41.6	188.9	33,400 *				140
145										13.9	149.9	35,700 *	28.3	172.2	33,800 *	37.5	182.9	31,900 *	44.8	188.4	30,000 *	145
150													22.2	161.6	32,400 *	33.0	175.8	30,500 *	41.0	183.0	28,800 *	150
155													13.8	146.2	31,000 *	27.9	167.3	29,300 *	36.8	176.8	27,600 *	155
160																21.6	156.4	28,100 *	32.2	169.5	26,400 *	160
170																			20.5	149.3	24,300 *	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 120 Ft. Jib

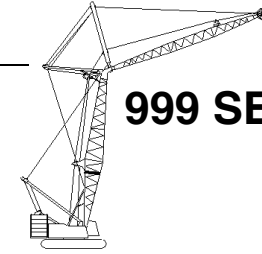
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	73.8	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	54,400 *													75
80	55.2	226.4	45,500 *	61.0	231.9	50,000 *	64.3	234.0	52,500 *													80
85	52.2	222.7	43,700 *	58.3	228.9	48,000 *	61.7	231.5	50,500 *													85
90	49.1	218.6	42,100 *	55.4	225.7	46,200 *	58.9	228.6	48,600 *													90
95	45.9	214.0	40,500 *	52.4	222.0	44,400 *	56.1	225.4	46,800 *	61.8	229.1	50,100 *										95
100	42.4	208.9	39,100 *	49.4	218.0	42,800 *	53.2	221.9	45,000 *	59.0	226.3	48,400 *										100
105	38.8	203.1	37,800 *	46.1	213.4	41,200 *	50.1	217.9	43,400 *	56.2	223.1	46,700 *										105
110	34.8	196.4	36,500 *	42.7	208.3	39,800 *	46.9	213.5	41,800 *	53.3	219.6	45,100 *										110
115	30.3	188.5	35,400 *	39.1	202.6	38,400 *	43.6	208.6	40,300 *	50.2	215.6	43,500 *	56.1	219.7	44,800							115
120	25.2	179.0	34,400 *	35.1	196.0	37,100 *	40.0	203.0	38,900 *	47.0	211.2	41,900 *	53.2	216.2	42,500							120
125	18.9	166.7	33,400 *	30.7	188.2	36,000 *	36.1	196.6	37,600 *	43.7	206.3	40,500 *	50.2	212.2	40,400							125
130	8.9	146.4	27,600 *	25.7	178.9	35,000 *	31.8	189.2	36,500 *	40.1	200.7	39,200 *	47.0	207.8	38,500	53.0	211.7	36,300				130
135				19.5	166.9	33,700 *	27.0	180.3	35,400 *	36.3	194.4	37,900 *	43.6	202.9	36,700	49.9	207.7	34,600				135
140				10.1	147.9	30,800 *	21.1	169.1	34,300 *	32.0	187.0	36,700 *	40.1	197.3	35,000	46.7	203.3	33,000				140
145							13.0	152.8	32,100 *	27.2	178.2	35,500	36.2	190.9	33,500	43.4	198.3	31,500				145
150										21.3	167.1	34,000	31.9	183.5	32,100	39.8	192.6	30,200	46.2	197.5	28,400	150
155										13.3	151.1	32,300 *	27.1	174.7	30,700	35.9	186.2	28,900	42.8	192.4	27,200	155
160													21.2	163.5	29,500	31.6	178.7	27,700	39.2	186.6	26,000	160
170																20.7	158.3	25,600	30.8	172.4	24,000	170
180																			19.6	151.1	22,200	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 130 Ft. Jib

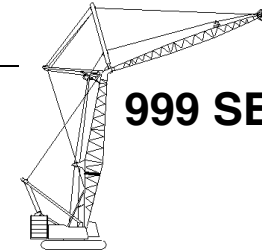
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	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	46,700 *													85	
90	52.8	231.5	39,100 *	58.4	237.6	42,900 *	61.5	240.1	45,000 *													90	
95	50.0	227.5	37,600 *	55.8	234.4	41,300 *	59.0	237.3	43,400 *													95	
100	47.1	223.1	36,200 *	53.1	230.8	39,700 *	56.4	234.1	41,800 *	61.6	237.8	44,600 *										100	
105	44.0	218.2	34,900 *	50.2	226.8	38,200 *	53.7	230.6	40,200 *	59.1	234.9	43,200 *										105	
110	40.7	212.7	33,600 *	47.3	222.5	36,800 *	50.9	226.8	38,800 *	56.5	231.8	41,700 *										110	
115	37.2	206.5	32,500 *	44.2	217.6	35,500 *	48.0	222.5	37,300 *	53.8	228.3	40,300 *										115	
120	33.4	199.4	31,400 *	41.0	212.2	34,200 *	45.0	217.8	36,000 *	51.0	224.5	38,800 *	56.5	228.4	41,100 *							120	
125	29.1	191.2	30,400 *	37.5	206.0	33,000 *	41.8	212.5	34,700 *	48.1	220.2	37,500 *	53.8	224.9	39,800 *							125	
130	24.2	181.2	29,500 *	33.7	199.0	31,900 *	38.4	206.5	33,500 *	45.1	215.5	36,200 *	51.0	221.1	38,200 *							130	
135	18.1	168.3	28,700 *	29.5	190.9	30,900 *	34.6	199.8	32,300 *	41.9	210.2	34,900 *	48.1	216.8	36,400 *							135	
140	8.5	147.2	24,600 *	24.7	181.1	29,900 *	30.6	191.9	31,300 *	38.5	204.3	33,700 *	45.1	212.1	34,800 *	50.8	216.6	32,700 *				140	
145				18.7	168.6	29,100 *	25.9	182.6	30,300 *	34.8	197.6	32,600 *	41.8	206.8	33,300 *	47.8	212.2	31,300 *				145	
150					9.7	148.8	27,600 *	20.3	170.9	29,500 *	30.7	189.8	31,500 *	38.4	200.9	31,800 *	44.8	207.5	29,900 *				150
155								12.4	153.9	28,700 *	26.1	180.5	30,500 *	34.7	194.1	30,500 *	41.6	202.1	28,700 *	47.4	206.5	26,900 *	155
160											20.5	168.9	29,700 *	30.6	186.3	29,300 *	38.1	196.2	27,500 *	44.3	201.6	25,800 *	160
170														20.4	165.4	27,000 *	30.3	181.5	25,400 *	37.6	190.1	23,800 *	170
180																	19.9	160.1	23,400 *				180
190																				18.8	152.8	20,300 *	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 140 Ft. Jib

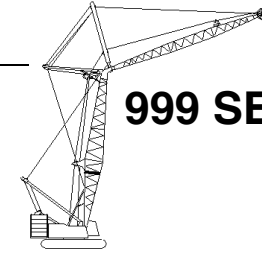
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	39,700 *													95
100	50.8	236.3	32,900 *	56.1	243.1	36,300 *	59.1	246.0	38,200 *													100
105	48.1	232.1	31,600 *	53.6	239.5	34,800 *	56.7	242.8	36,700 *	61.5	246.5	39,300 *										105
110	45.2	227.3	30,300 *	51.0	235.7	33,400 *	54.2	239.4	35,300 *	59.2	243.6	38,000 *										110
115	42.3	222.1	29,100 *	48.3	231.4	32,100 *	51.6	235.6	33,900 *	56.7	240.5	36,600 *										115
120	39.2	216.3	28,000 *	45.5	226.7	30,800 *	48.9	231.4	32,500 *	54.3	237.0	35,300 *										120
125	35.8	209.8	27,000 *	42.5	221.6	29,600 *	46.2	226.9	31,300 *	51.7	233.3	33,900 *	56.7	237.1	36,000 *							125
130	32.1	202.4	25,900 *	39.4	215.8	28,500 *	43.3	221.8	30,000 *	49.0	229.1	32,600 *	54.2	233.6	34,900 *							130
135	28.0	193.7	25,000 *	36.1	209.4	27,400 *	40.2	216.2	28,900 *	46.3	224.6	31,400 *	51.7	229.9	33,700 *							135
140	23.3	183.3	24,200 *	32.4	202.0	26,400 *	36.9	209.9	27,800 *	43.4	219.5	30,200 *	49.0	225.7	32,500 *							140
145	17.4	169.9	23,500 *	28.4	193.5	25,400 *	33.3	202.8	26,700 *	40.3	214.0	29,100 *	46.2	221.2	31,300 *	51.5	225.4	30,900				145
150	8.2	147.9	22,000 *	23.8	183.3	24,600 *	29.4	194.6	25,800 *	37.0	207.7	28,000 *	43.3	216.1	30,200 *	48.8	221.2	29,500				150
155				18.0	170.2	23,800 *	24.9	184.9	24,900 *	33.5	200.6	26,900 *	40.3	210.5	29,100 *	46.0	216.6	28,300				155
160				9.3	149.6	23,300 *	19.5	172.7	24,100 *	29.6	192.5	26,000 *	37.0	204.3	28,000 *	43.1	211.5	27,100				160
170										19.7	170.7	24,300 *	29.5	189.0	26,000 *	36.7	199.5	25,000	42.6	205.6	23,400	170
180													19.7	167.2	24,400 *	29.2	184.1	23,100	36.1	193.4	21,600	180
190																19.2	161.8	21,400	28.5	177.6	20,000	190
200																			18.1	154.4	18,500	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 150 Ft. Jib

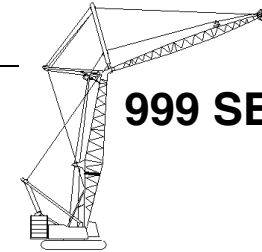
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	34,800 *										110
115	46.3	236.4	26,400 *	51.6	244.5	29,300 *	54.6	248.1	31,000 *	59.2	252.3	33,500 *										115
120	43.6	231.4	25,300 *	49.1	240.3	28,000 *	52.2	244.4	29,700 *	57.0	249.2	32,200 *										120
125	40.8	225.9	24,300 *	46.6	235.8	26,900 *	49.7	240.3	28,400 *	54.7	245.8	31,000 *										125
130	37.8	219.8	23,300 *	43.9	230.8	25,700 *	47.2	235.9	27,300 *	52.3	242.1	29,700 *	56.9	245.8	31,700 *							130
135	34.5	213.0	22,300 *	41.0	225.4	24,700 *	44.5	231.0	26,100 *	49.8	238.0	28,500 *	54.6	242.4	30,600 *							135
140	31.0	205.2	21,400 *	38.0	219.3	23,600 *	41.7	225.7	25,000 *	47.3	233.6	27,400 *	52.2	238.7	29,500 *							140
145	27.1	196.2	20,600 *	34.8	212.6	22,700 *	38.8	219.8	24,000 *	44.6	228.8	26,200 *	49.8	234.6	28,400 *							145
150	22.5	185.4	19,800 *	31.3	204.9	21,800 *	35.6	213.2	23,000 *	41.8	223.4	25,200 *	47.2	230.2	27,300 *	52.0	234.2	28,900 *				150
155	16.8	171.4	19,200 *	27.4	196.0	20,900 *	32.2	205.8	22,100 *	38.9	217.6	24,200 *	44.6	225.3	26,200 *	49.6	230.1	27,900 *				155
160	7.9	148.6	18,700 *	22.9	185.4	20,100 *	28.4	197.2	21,200 *	35.7	211.0	23,200 *	41.8	220.0	25,200 *	47.0	225.6	26,900 *				160
170				9.0	150.4	18,900 *	18.9	174.3	19,700 *	28.5	195.1	21,400 *	35.7	207.6	23,200 *	41.6	215.4	24,900 *	46.6	219.9	23,300	170
180										19.1	172.4	19,800 *	28.5	191.6	21,400 *	35.4	202.8	23,100 *	41.1	209.5	21,500	180
190													19.0	168.9	19,900 *	28.2	186.7	21,400 *	34.9	196.6	19,900	190
200																18.5	163.5	19,900 *	27.5	180.1	18,500	200
210																			17.5	156.0	17,200	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 160 Ft. Jib

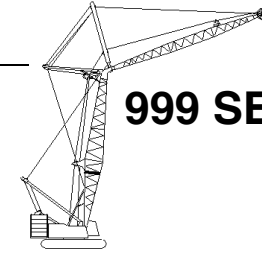
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.2	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	30,200 *										115
120	47.3	245.5	22,500 *	52.2	253.3	25,100 *	54.9	256.8	26,700 *	59.3	260.9	29,000 *										120
125	44.8	240.6	21,400 *	49.9	249.2	23,900 *	52.7	253.1	25,400 *	57.2	257.8	27,800 *										125
130	42.2	235.4	20,400 *	47.5	244.8	22,800 *	50.4	249.2	24,300 *	55.0	254.5	26,600 *										130
135	39.4	229.6	19,500 *	45.0	240.0	21,800 *	48.1	244.9	23,200 *	52.8	250.8	25,500 *	57.1	254.4	27,400 *							135
140	36.5	223.2	18,600 *	42.4	234.8	20,700 *	45.6	240.2	22,100 *	50.5	246.9	24,300 *	55.0	251.1	26,300 *							140
145	33.4	216.0	17,700 *	39.7	229.1	19,800 *	43.0	235.1	21,100 *	48.1	242.6	23,300 *	52.8	247.4	25,300 *							145
150	30.0	207.9	16,900 *	36.8	222.7	18,900 *	40.3	229.4	20,100 *	45.7	237.9	22,200 *	50.5	243.5	24,200 *							150
155	26.2	198.6	16,200 *	33.7	215.6	18,000 *	37.5	223.2	19,200 *	43.1	232.8	21,200 *	48.1	239.2	23,200 *	52.6	242.9	24,800 *				155
160	21.8	187.3	15,500 *	30.3	207.6	17,200 *	34.4	216.4	18,300 *	40.4	227.2	20,200 *	45.7	234.5	22,200 *	50.3	238.9	23,800 *				160
170	7.7	149.3	14,400 *	22.2	187.3	15,700 *	27.5	199.7	16,700 *	34.6	214.2	18,400 *	40.4	223.8	20,200 *	45.4	229.9	21,900 *				170
180				8.7	151.2	14,600 *	18.3	176.0	15,300 *	27.6	197.6	16,800 *	34.5	210.7	18,500 *	40.2	219.1	20,100 *	45.0	224.1	21,100	180
190										18.5	174.1	15,400 *	27.6	194.1	16,900 *	34.3	205.9	18,400 *	39.7	213.1	19,600	190
200													18.4	170.5	15,500 *	27.2	189.1	16,800 *	33.7	199.7	18,100	200
210																17.9	165.1	15,500 *	26.6	182.5	16,700 *	210
220																			16.9	157.5	15,400 *	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

120 Ft. Boom, 170 Ft. Jib

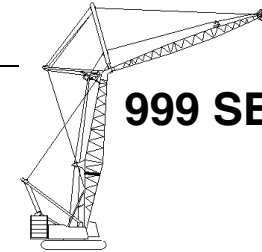
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	26,400 *										120
125	48.1	254.4	19,300 *	52.6	262.0	21,700 *	55.2	265.5	23,100 *	59.3	269.6	25,300 *										125
130	45.8	249.7	18,300 *	50.5	258.1	20,600 *	53.2	261.9	22,000 *	57.3	266.5	24,200 *										130
135	43.4	244.7	17,400 *	48.3	253.8	19,600 *	51.0	258.0	20,900 *	55.3	263.2	23,100 *										135
140	40.9	239.1	16,500 *	46.0	249.1	18,600 *	48.8	253.8	19,900 *	53.2	259.6	22,000 *	57.3	263.1	23,800 *							140
145	38.2	233.1	15,700 *	43.6	244.1	17,700 *	46.5	249.2	18,900 *	51.1	255.7	21,000 *	55.3	259.8	22,800 *							145
150	35.4	226.4	14,900 *	41.1	238.6	16,800 *	44.2	244.3	18,000 *	48.9	251.5	20,000 *	53.2	256.2	21,800 *							150
155	32.4	219.0	14,200 *	38.4	232.6	15,900 *	41.7	238.9	17,100 *	46.6	247.0	19,000 *	51.1	252.3	20,800 *							155
160	29.1	210.6	13,500 *	35.6	226.0	15,100 *	39.1	233.0	16,200 *	44.3	242.0	18,100 *	48.9	248.1	19,900 *	53.0	251.7	21,400 *				160
170	21.1	189.2	11,900 *	29.4	210.3	13,600 *	33.4	219.4	14,600 *	39.2	230.8	16,300 *	44.2	238.6	18,000 *	48.7	243.5	19,600 *				170
180	7.5	150.0	10,400 *	21.5	189.3	12,000 *	26.6	202.1	13,100 *	33.5	217.2	14,700 *	39.1	227.4	16,300 *	44.0	234.0	17,900 *				180
190				8.5	152.0	10,500 *	17.7	177.6	11,400 *	26.8	200.0	13,200 *	33.4	213.8	14,700 *	38.9	222.7	16,200 *	43.6	228.2	17,600 *	190
200										17.9	175.7	11,500 *	26.7	196.5	13,200 *	33.2	209.0	14,700 *	38.5	216.7	16,000 *	200
210													17.8	172.1	11,500 *	26.4	191.5	13,200 *	32.7	202.7	14,500 *	210
220																17.4	166.6	11,500 *	25.8	184.9	13,000 *	220
230																			16.4	159.0	11,400 *	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	101,200 *b																55
60	46.5	188.7	87,100 *	58.2	196.3	97,000 *b																60
65	40.5	183.4	80,400 *	53.2	192.9	93,200 *b	59.8	196.2	98,900 *b													65
70	33.7	176.8	73,000 *	47.9	188.8	89,800 *	54.9	193.0	92,800 b													70
75	25.4	168.0	66,800 *	42.1	183.8	83,000 *	49.8	189.1	85,200	60.8	194.1	80,700 b										75
80	13.0	153.6	53,100 *	35.6	177.6	75,000 *	44.2	184.5	78,800	56.0	191.1	74,600 b										80
85				27.8	169.5	68,300 *	37.9	178.7	73,200	50.9	187.4	69,300 b										85
90				17.0	157.3	61,200 *	30.7	171.4	68,200	45.4	182.9	64,600	56.7	188.0	61,100 b							90
95							21.3	161.2	63,800	39.3	177.4	60,500	51.7	184.4	57,200 b							95
100										32.3	170.4	56,800	46.2	180.0	53,700							100
105										23.5	161.0	53,500	40.3	174.7	50,600	52.1	180.2	47,700 b				105
110										8.8	143.7	50,400	33.4	168.0	47,800	46.7	175.9	45,100				110
115													25.0	159.1	45,200	40.8	170.6	42,700				115
120													12.2	144.2	42,800	34.0	164.1	40,400	46.7	170.4	38,100	120
125																25.8	155.4	38,400	40.7	165.2	36,200	125
130																13.7	141.5	36,500	34.0	158.6	34,400	130
135																			25.7	149.9	32,800	135
140																			13.6	135.9	31,200	140

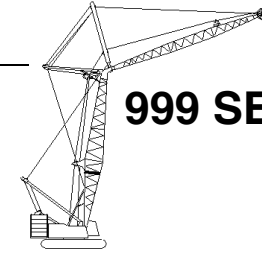
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 80 Ft. Jib

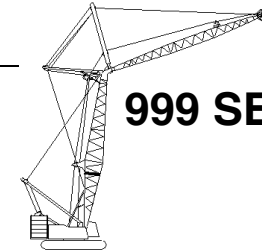
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	90,500 *b																55
60	52.9	201.8	77,300 *	62.5	207.8	86,600 *b																60
65	48.3	197.6	74,300 *	58.4	205.0	82,900 *b	63.9	207.5	88,200 *b													65
70	43.3	192.8	71,600 *	54.1	201.6	79,500 *	59.8	204.9	84,500 *b													70
75	37.8	186.9	67,300 *	49.5	197.7	76,400 *	55.6	201.7	81,100 *													75
80	31.5	179.7	61,700 *	44.6	193.0	73,600 *	51.1	198.0	78,000 *	60.7	202.8	84,200 b										80
85	23.8	170.2	56,900 *	39.3	187.5	68,900 *	46.4	193.6	72,900 *	56.5	199.8	68,900										85
90	12.1	154.7	46,100 *	33.2	180.7	63,100 *	41.2	188.4	68,000	52.1	196.2	64,300										90
95				26.0	171.9	58,100 *	35.4	182.0	63,600	47.4	191.9	60,200	57.1	196.6	56,800							95
100				15.9	158.8	53,100 *	28.6	174.1	59,800 *	42.3	186.9	56,500	52.8	193.1	53,300							100
105							19.9	163.0	55,200 *	36.7	180.8	53,300	48.1	189.0	50,200							105
110										30.1	173.2	50,300	43.1	184.1	47,400							110
115										22.0	163.0	47,600	37.6	178.2	44,900	48.5	184.8	42,300				115
120										8.2	144.5	45,000	31.2	170.9	42,600	43.5	180.0	40,100				120
125													23.4	161.2	40,400	38.0	174.2	38,100				125
130													11.4	145.3	38,400	31.8	167.0	36,200	43.5	174.6	34,000	130
135																24.1	157.6	34,500	38.0	168.8	32,400	135
140																12.8	142.6	32,900	31.7	161.6	30,900	140
145																			24.1	152.1	29,500	145
150																			12.7	137.1	28,200	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 90 Ft. Jib

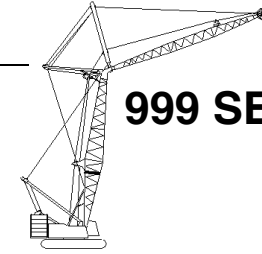
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	78,500 *b																60
65	53.8	210.5	67,600 *	62.2	216.5	75,500 *b	67.0	218.5	79,600 *b													65
70	49.7	206.5	65,200 *	58.6	213.6	72,600 *	63.5	216.2	76,700 *b													70
75	45.4	202.0	62,900 *	54.8	210.3	69,800 *	59.8	213.5	73,900 *													75
80	40.7	196.6	60,800 *	50.8	206.5	67,300 *	56.1	210.4	71,200 *													80
85	35.6	190.3	56,900 *	46.5	202.1	64,900 *	52.2	206.8	68,700 *	60.6	211.5	68,700										85
90	29.7	182.4	52,700 *	42.0	197.0	62,700 *	48.0	202.6	66,300 *	56.9	208.4	64,100										90
95	22.4	172.2	49,100 *	37.0	190.9	58,100 *	43.6	197.7	63,500	53.0	204.9	60,000										95
100	11.4	155.7	41,200 *	31.3	183.5	53,800 *	38.7	192.0	59,600	48.9	200.9	56,300	57.5	205.3	53,100							100
105				24.5	174.1	50,000 *	33.3	185.1	55,200 *	44.5	196.2	53,100	53.6	201.9	50,000							105
110				15.0	160.2	46,600 *	27.0	176.5	51,200 *	39.8	190.6	50,100	49.5	197.9	47,200							110
115							18.8	164.7	47,700 *	34.5	184.0	47,500	45.2	193.3	44,700							115
120										28.4	175.8	45,000	40.5	187.9	42,400	49.9	193.7	39,800				120
125										20.7	164.9	42,800	35.3	181.5	40,300	45.6	189.2	37,900				125
130										7.7	145.2	40,600	29.4	173.6	38,400	40.9	183.9	36,000				130
135													22.0	163.2	36,500	35.8	177.6	34,300	45.5	183.7	32,200	135
140													10.7	146.2	34,800	29.9	169.8	32,800	40.9	178.4	30,700	140
145																22.7	159.7	31,300	35.7	172.1	29,400	145
150																12.0	143.7	29,900	29.9	164.3	28,100	150
155																			22.7	154.2	26,900	155
160																			11.9	138.2	25,700	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 100 Ft. Jib

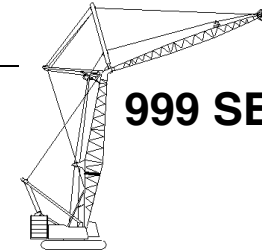
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.6	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	70,000 *																65
70	54.4	219.2	60,100 *	62.0	225.1	67,200 *	66.3	227.3	71,000 *b													70
75	50.8	215.4	57,800 *	58.7	222.3	64,600 *	63.1	224.9	68,300 *													75
80	47.0	211.0	55,600 *	55.3	219.0	62,000 *	59.9	222.2	65,800 *													80
85	42.9	206.0	53,600 *	51.7	215.3	59,600 *	56.5	219.1	63,200 *													85
90	38.5	200.2	51,800 *	48.0	211.1	57,400 *	53.0	215.5	60,900 *	60.5	220.1	63,700										90
95	33.7	193.4	48,800 *	44.0	206.3	55,300 *	49.3	211.5	58,600 *	57.2	217.1	59,600										95
100	28.1	185.0	45,500 *	39.7	200.7	53,400 *	45.4	206.9	56,500 *	53.7	213.7	56,000										100
105	21.2	174.1	42,600 *	35.0	194.2	49,700 *	41.2	201.6	54,500 *	50.1	209.7	52,700	57.7	214.0	49,600							105
110	10.8	156.7	36,800 *	29.6	186.3	46,300 *	36.7	195.4	50,900 *	46.2	205.3	49,800	54.3	210.6	46,800							110
115				23.2	176.2	43,400 *	31.6	188.0	47,500 *	42.1	200.1	47,100	50.6	206.8	44,300							115
120				14.2	161.4	40,700 *	25.6	178.9	44,400 *	37.6	194.1	44,700	46.8	202.4	42,000							120
125							17.8	166.3	41,600 *	32.7	187.0	42,500	42.8	197.3	39,900	50.9	202.6	37,400				125
130										26.9	178.3	40,400	38.4	191.5	38,000	47.1	198.2	35,600				130
135										19.6	166.7	38,500	33.5	184.6	36,200	43.1	193.3	34,000				135
140										7.3	145.8	36,700	27.8	176.2	34,600	38.7	187.5	32,400	47.1	192.8	30,300	140
145													20.9	165.1	33,100	33.9	180.7	31,000	43.1	187.8	29,000	145
150													10.2	147.1	31,600	28.3	172.4	29,600	38.7	182.0	27,700	150
155																21.5	161.6	28,400	33.8	175.2	26,500	155
160																11.4	144.7	27,200	28.3	166.9	25,400	160
170																			11.3	139.2	23,300	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

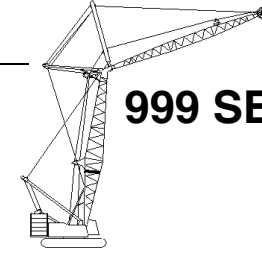
130 Ft. Boom, 110 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	64,000 *																70
75	54.9	227.9	55,700 *	61.8	233.8	61,800 *	65.7	236.0	64,700 *													75
80	51.7	224.2	53,600 *	58.8	231.0	59,400 *	62.8	233.6	62,700 *													80
85	48.3	220.0	51,700 *	55.7	227.7	57,200 *	59.9	230.8	60,400 *													85
90	44.7	215.3	49,900 *	52.5	224.1	55,100 *	56.8	227.8	58,200 *													90
95	40.8	209.9	48,200 *	49.2	220.1	53,100 *	53.6	224.3	56,100 *	60.5	228.8	59,500										95
100	36.7	203.6	46,200 *	45.6	215.5	51,300 *	50.3	220.4	54,100 *	57.5	225.8	55,900										100
105	32.1	196.3	43,100 *	41.9	210.2	49,600 *	46.9	216.0	52,300 *	54.3	222.4	52,700										105
110	26.8	187.4	40,300 *	37.8	204.2	47,200 *	43.2	211.0	50,500 *	51.0	218.6	49,800	57.9	222.7	46,800							110
115	20.2	175.9	37,700 *	33.3	197.2	44,000 *	39.2	205.3	48,500 *	47.6	214.3	47,100	54.8	219.3	44,300							115
120	10.3	157.7	32,200 *	28.2	188.8	41,100 *	34.9	198.6	45,200 *	44.0	209.4	44,700	51.5	215.6	42,000							120
125				22.1	178.2	38,500 *	30.1	190.8	42,200 *	40.1	203.9	42,500	48.1	211.4	39,900							125
130				13.6	162.7	36,000 *	24.4	181.1	39,400 *	35.8	197.5	40,500	44.5	206.6	38,000	51.8	211.4	35,600				130
135							17.0	167.8	36,900 *	31.1	189.9	38,600	40.7	201.2	36,200	48.4	207.2	33,900				135
140										25.6	180.6	36,900	36.5	194.9	34,600	44.8	202.5	32,400				140
145										18.7	168.4	35,200	31.9	187.5	33,100	41.0	197.1	31,000				145
150										7.0	146.5	33,700	26.5	178.6	31,700	36.9	190.9	29,700	44.8	197.0	27,700	150
155													19.9	166.9	30,300	32.3	183.7	28,400	41.0	191.7	26,500	155
160													9.7	148.0	29,100	27.0	174.9	27,200	36.8	185.5	25,400	160
170																10.9	145.7	25,100	27.0	169.4	23,400	170
180																			10.8	140.1	21,600	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 120 Ft. Jib

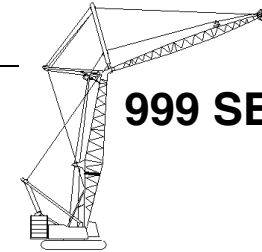
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	73.9	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	54,800 *													75
80	55.4	236.6	45,500 *	61.7	242.5	50,400 *	65.3	244.7	53,000 *													80
85	52.4	233.0	43,800 *	58.9	239.6	48,400 *	62.6	242.2	51,100 *													85
90	49.3	228.9	42,200 *	56.1	236.4	46,600 *	59.9	239.5	49,200 *													90
95	46.1	224.4	40,600 *	53.2	232.9	44,900 *	57.1	236.4	47,400 *													95
100	42.7	219.3	39,200 *	50.1	228.9	43,200 *	54.2	233.0	45,600 *	60.5	237.4	49,200 *										100
105	39.0	213.5	37,900 *	46.9	224.5	41,600 *	51.2	229.2	44,000 *	57.7	234.5	47,500 *										105
110	35.1	206.9	36,700 *	43.6	219.6	40,100 *	48.1	225.0	42,400 *	54.8	231.1	45,900 *										110
115	30.7	199.1	35,500 *	40.0	214.0	38,800 *	44.8	220.2	40,900 *	51.8	227.4	44,300 *										115
120	25.6	189.8	34,500 *	36.1	207.6	37,500 *	41.3	214.8	39,500 *	48.7	223.2	42,800 *	55.2	228.0	41,600							120
125	19.4	177.7	33,200 *	31.9	200.2	36,300 *	37.5	208.7	38,200 *	45.5	218.6	41,300 *	52.3	224.4	39,500							125
130	9.9	158.5	28,800 *	27.0	191.3	35,300 *	33.4	201.7	36,900 *	42.0	213.3	39,900 *	49.2	220.3	37,600							130
135				21.1	180.1	34,300 *	28.7	193.4	35,800 *	38.3	207.4	38,300	46.0	215.7	35,900	52.5	220.2	33,500				135
140				13.0	163.8	32,100 *	23.3	183.2	34,800 *	34.3	200.6	36,600	42.5	210.6	34,300	49.4	216.1	32,000				140
145							16.2	169.3	32,900 *	29.8	192.6	35,000	38.9	204.8	32,800	46.2	211.6	30,600				145
150										24.5	182.9	33,500	34.9	198.1	31,400	42.8	206.5	29,300				150
155										17.9	170.0	32,100	30.5	190.3	30,000	39.2	200.7	28,000	46.2	206.1	26,100	155
160										6.7	147.1	30,700	25.4	180.9	28,800	35.2	194.2	26,900	42.8	201.1	25,000	160
170													9.3	148.8	26,500	25.8	177.2	24,800	35.2	188.7	23,100	170
180																10.4	146.6	22,900	25.8	171.7	21,300	180
190																			10.3	141.1	19,700	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 130 Ft. Jib

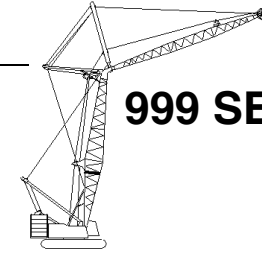
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 140 Ft. Jib

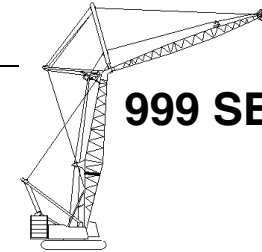
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 150 Ft. Jib

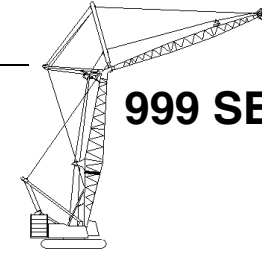
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	34,100 *													105
110	49.1	251.3	27,700 *	54.6	259.1	30,900 *	57.7	262.5	32,800 *	62.5	266.2	35,300 *										110
115	46.5	246.8	26,500 *	52.2	255.4	29,600 *	55.4	259.2	31,400 *	60.4	263.4	34,100 *										115
120	43.8	241.8	25,400 *	49.7	251.3	28,400 *	53.0	255.5	30,200 *	58.1	260.5	32,800 *										120
125	41.0	236.3	24,400 *	47.2	246.9	27,200 *	50.6	251.6	28,900 *	55.9	257.2	31,600 *										125
130	38.0	230.2	23,400 *	44.5	242.0	26,000 *	48.1	247.3	27,700 *	53.5	253.7	30,400 *										130
135	34.8	223.5	22,400 *	41.7	236.7	25,000 *	45.5	242.6	26,600 *	51.1	249.8	29,200 *	56.2	254.1	31,300 *							135
140	31.3	215.8	21,500 *	38.8	230.8	23,900 *	42.7	237.5	25,500 *	48.6	245.6	28,000 *	53.9	250.6	30,200 *							140
145	27.4	206.9	20,700 *	35.6	224.2	23,000 *	39.8	231.8	24,400 *	46.0	241.0	26,900 *	51.5	246.8	29,100 *							145
150	22.9	196.2	19,900 *	32.2	216.8	22,000 *	36.7	225.4	23,400 *	43.3	235.9	25,800 *	49.0	242.7	28,000 *							150
155	17.3	182.5	19,300 *	28.4	208.2	21,200 *	33.4	218.3	22,500 *	40.4	230.3	24,800 *	46.4	238.1	27,000 *	51.7	242.6	27,300				155
160	8.8	161.0	18,700 *	24.1	198.1	20,400 *	29.8	210.2	21,600 *	37.4	224.1	23,800 *	43.7	233.1	25,900 *	49.2	238.5	26,200				160
170				11.6	167.0	19,000 *	20.8	189.0	20,000 *	30.5	209.3	21,900 *	37.9	221.5	23,900 *	43.9	229.0	24,100				170
180										21.9	189.0	20,300 *	31.1	207.0	22,100 *	38.1	217.5	22,300	43.9	223.6	20,600	180
190										6.0	148.7	19,100 *	22.7	187.2	20,500 *	31.4	203.1	20,700	38.1	212.1	19,100	190
200													8.3	151.2	19,300 *	23.1	183.7	19,200	31.4	197.6	17,700	200
210																9.3	149.2	17,800			16,400	210
220																			9.2	143.6	15,200	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

130 Ft. Boom, 160 Ft. Jib

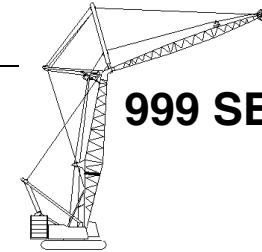
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.3	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	30,800 *										115
120	47.4	255.8	22,600 *	52.7	264.1	25,400 *	55.7	267.8	27,100 *	60.3	272.1	29,600 *										120
125	45.0	251.0	21,500 *	50.4	260.2	24,200 *	53.5	264.3	25,900 *	58.3	269.1	28,400 *										125
130	42.4	245.7	20,500 *	48.1	255.9	23,100 *	51.2	260.4	24,700 *	56.1	265.9	27,300 *										130
135	39.6	240.0	19,600 *	45.6	251.2	22,100 *	48.9	256.2	23,600 *	53.9	262.4	26,100 *										135
140	36.7	233.6	18,700 *	43.0	246.0	21,000 *	46.5	251.7	22,500 *	51.7	258.6	25,000 *	56.5	262.8	27,000 *							140
145	33.6	226.5	17,800 *	40.4	240.4	20,100 *	43.9	246.7	21,500 *	49.4	254.5	23,900 *	54.3	259.4	26,000 *							145
150	30.2	218.5	17,000 *	37.5	234.2	19,200 *	41.3	241.3	20,500 *	47.0	250.0	22,800 *	52.0	255.6	25,000 *							150
155	26.5	209.3	16,300 *	34.5	227.4	18,300 *	38.5	235.3	19,600 *	44.5	245.1	21,800 *	49.7	251.5	23,900 *							155
160	22.1	198.2	15,600 *	31.3	219.6	17,400 *	35.5	228.7	18,700 *	41.9	239.8	20,800 *	47.3	247.1	22,900 *	52.2	251.4	24,600 *				160
170	8.6	161.7	14,500 *	23.2	200.2	15,900 *	28.8	212.8	17,000 *	36.2	227.5	19,000 *	42.3	237.1	20,900 *	47.5	243.0	22,800 *				170
180				11.3	168.0	14,700 *	20.1	190.8	15,600 *	29.6	212.0	17,300 *	36.6	224.9	19,100 *	42.5	233.0	20,900 *	47.5	237.5	20,200	180
190										21.2	190.9	15,800 *	30.1	209.7	17,500 *	36.9	220.9	19,200 *	42.5	227.5	18,700	190
200										5.8	149.2	14,700 *	21.9	189.2	16,000 *	30.4	205.9	17,600 *	36.8	215.5	17,300	200
210													8.1	151.9	14,900 *	22.3	185.7	16,100 *	30.4	200.4	16,100	210
220																9.0	150.0	15,000 *	22.3	180.2	14,900	220
230																			9.0	144.4	13,900	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

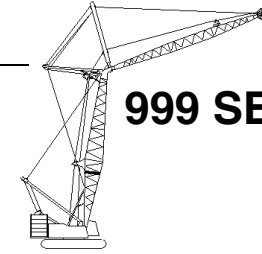
130 Ft. Boom, 170 Ft. Jib

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	75.3	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	27,000 *										120
125	48.2	264.7	19,400 *	53.2	272.9	22,000 *	55.9	276.5	23,500 *	60.3	280.8	25,900 *										125
130	45.9	260.1	18,400 *	51.0	269.0	20,900 *	53.9	273.0	22,400 *	58.4	277.8	24,800 *										130
135	43.5	255.0	17,500 *	48.8	264.8	19,900 *	51.8	269.2	21,300 *	56.4	274.6	23,700 *										135
140	41.0	249.5	16,600 *	46.5	260.2	18,900 *	49.6	265.1	20,300 *	54.3	271.1	22,600 *										140
145	38.4	243.5	15,800 *	44.2	255.3	17,900 *	47.3	260.7	19,300 *	52.2	267.4	21,500 *	56.7	271.5	23,500 *							145
150	35.6	236.9	15,000 *	41.7	249.9	17,000 *	45.0	255.9	18,300 *	50.0	263.4	20,500 *	54.6	268.1	22,500 *							150
155	32.6	229.5	14,300 *	39.1	244.0	16,200 *	42.6	250.7	17,400 *	47.8	259.0	19,500 *	52.5	264.4	21,500 *							155
160	29.3	221.2	13,500 *	36.3	237.6	15,400 *	40.0	245.0	16,600 *	45.5	254.3	18,600 *	50.4	260.4	20,600 *							160
170	21.5	200.1	12,000 *	30.2	222.3	13,900 *	34.4	231.8	14,900 *	40.5	243.6	16,800 *	45.8	251.4	18,700 *	50.5	256.2	20,400 *				170
180	8.3	162.5	10,500 *	22.6	202.2	12,300 *	27.9	215.3	13,500 *	35.0	230.7	15,200 *	40.9	240.8	17,000 *	46.0	247.3	18,700 *				180
190				10.9	169.0	10,700 *	19.5	192.6	11,800 *	28.7	214.6	13,700 *	35.5	228.1	15,300 *	41.1	236.8	17,000 *	46.0	241.9	18,400 *	190
200										20.6	192.7	12,000 *	29.2	212.3	13,900 *	35.7	224.2	15,400 *	41.1	231.3	16,800 *	200
210										5.6	149.7	10,500 *	21.3	191.1	12,100 *	29.5	208.5	13,900 *	35.7	218.7	15,300 *	210
220													7.8	152.6	10,600 *	21.6	187.6	12,200 *	29.4	203.1	13,900 *	220
230																8.8	150.8	10,700 *	21.6	182.1	12,200 *	230
240																			8.7	145.2	10,700 *	240

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 70 Ft. Jib

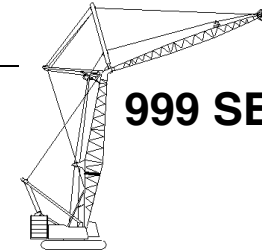
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	87,100 *	59.3	207.0	97,600 *b																60
65	41.0	193.8	81,000 *	54.4	203.7	93,900 *b	61.4	207.0	100,000 *b													65
70	34.2	187.3	73,500 *	49.2	199.8	90,300 *	56.7	204.0	92,000 b													70
75	26.1	178.7	66,000 *	43.6	195.0	83,400 *	51.6	200.4	84,600 b													75
80	14.2	165.1	51,800 *	37.3	189.1	76,900 *	46.2	196.1	78,100	58.5	202.4	73,700 b										80
85				29.9	181.6	69,900 *	40.2	190.7	72,600	53.5	199.0	68,400 b										85
90				20.2	170.9	61,400 *	33.3	184.0	67,700	48.3	195.0	63,800										90
95							24.9	175.1	63,300	42.5	190.0	59,700	55.1	196.3	56,100 b							95
100							12.0	160.1	54,700 *	36.1	183.9	56,100	50.0	192.5	52,700							100
105										28.4	176.0	52,800	44.4	187.8	49,700							105
110										18.0	164.3	49,800	38.2	182.2	46,900	51.3	188.6	44,000 b				110
115													31.0	174.9	44,400	45.8	184.2	41,600				115
120													21.8	164.8	42,100	39.8	178.8	39,500				120
125																32.9	172.0	37,500	46.7	179.1	35,000	125
130																24.3	162.8	35,600	40.7	173.9	33,300	130
135																10.6	146.9	33,900	34.0	167.3	31,800	135
140																			25.7	158.6	30,300	140
145																			13.6	144.6	28,900	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

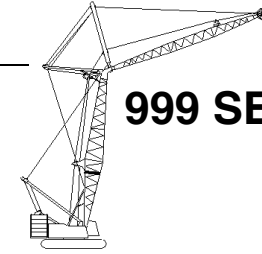
140 Ft. Boom, 80 Ft. Jib

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	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	90,800 *b																55
60	53.3	212.0	77,300 *	63.5	218.3	87,100 *b																60
65	48.6	207.9	74,300 *	59.4	215.6	83,600 *b	65.3	218.2	89,000 *b													65
70	43.7	203.1	71,700 *	55.2	212.4	80,200 *	61.3	215.7	85,600 *b													70
75	38.2	197.4	67,700 *	50.7	208.6	77,100 *	57.1	212.7	82,200 *b													75
80	32.0	190.3	62,100 *	45.9	204.2	74,300 *	52.7	209.2	77,800	62.8	213.9	73,200 b										80
85	24.4	180.9	56,400 *	40.6	198.9	70,500 *	48.1	205.1	72,300	58.7	211.1	68,000 b										85
90	13.3	166.3	45,000 *	34.8	192.4	64,400 *	43.0	200.1	67,400	54.4	207.7	63,400										90
95				27.9	184.2	59,300 *	37.5	194.2	63,100	49.8	203.9	59,400										95
100				18.9	172.6	53,800 *	31.1	186.9	59,300	45.0	199.3	55,800	55.8	205.0	52,300							100
105							23.3	177.2	55,800	39.7	193.8	52,500	51.3	201.3	49,300							105
110							11.2	161.1	48,400 *	33.7	187.1	49,600	46.6	196.9	46,500							110
115										26.5	178.4	47,000	41.4	191.8	44,000	52.4	197.4	41,200				115
120										16.8	165.8	44,500	35.7	185.5	41,800	47.7	193.2	39,100				120
125													29.0	177.6	39,700	42.7	188.3	37,100				125
130													20.4	166.7	37,700	37.1	182.3	35,300				130
135																30.7	174.8	33,600	43.5	183.2	31,400	135
140																22.7	164.9	32,100	38.0	177.4	29,900	140
145																10.0	147.8	30,600	31.7	170.2	28,600	145
150																			24.1	160.8	27,300	150
155																			12.7	145.7	26,100	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 90 Ft. Jib

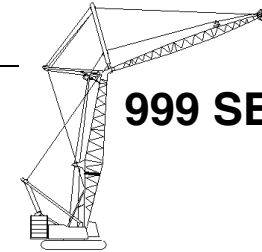
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	78,800 *b																60
65	54.0	220.7	67,500 *	63.1	227.0	75,800 *b																65
70	50.0	216.8	65,100 *	59.5	224.3	72,900 *	64.7	226.9	77,300 *b													70
75	45.7	212.3	62,900 *	55.7	221.1	70,300 *	61.1	224.4	74,600 *													75
80	41.1	207.0	60,800 *	51.8	217.4	67,800 *	57.4	221.4	71,900 *													80
85	35.9	200.7	57,200 *	47.6	213.2	65,400 *	53.5	217.9	69,400 *	62.5	222.5	67,800 b										85
90	30.1	193.0	53,000 *	43.1	208.3	63,200 *	49.5	214.0	67,100 *	58.8	219.7	63,200										90
95	23.0	183.0	49,300 *	38.2	202.4	59,200 *	45.1	209.4	63,000	55.0	216.5	59,200										95
100	12.5	167.4	40,000 *	32.7	195.4	54,800 *	40.5	204.0	59,100	51.0	212.7	55,600										100
105				26.3	186.6	50,900 *	35.3	197.5	55,700	46.8	208.3	52,300	56.2	213.7	49,000							105
110				17.8	174.2	47,400 *	29.3	189.6	52,500 *	42.3	203.3	49,400	52.3	210.1	46,300							110
115							22.0	179.2	48,900 *	37.3	197.3	46,800	48.2	205.9	43,800							115
120							10.6	162.1	43,300 *	31.7	190.0	44,400	43.8	201.1	41,600							120
125										25.0	180.7	42,200	38.9	195.4	39,500	49.2	202.1	36,900				125
130										15.8	167.2	40,100	33.6	188.6	37,600	44.9	197.5	35,100				130
135													27.3	180.1	35,800	40.1	192.0	33,400				135
140													34.9	185.5	31,900	34.9	185.5	31,900	45.5	192.4	29,700	140
145																28.9	177.5	30,500	40.9	187.1	28,400	145
150																21.4	166.8	29,200	35.7	180.8	27,100	150
155																9.4	148.7	27,900	29.9	173.0	26,000	155
160																			22.7	162.9	24,900	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.8	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	73,300 *b																60
65	58.1	232.8	62,600 *	66.0	238.1	70,400 *b																65
70	54.6	229.5	60,100 *	62.8	235.7	67,600 *	67.4	237.9	71,500 *b													70
75	51.0	225.7	57,800 *	59.5	232.9	65,000 *	64.2	235.6	68,900 *													75
80	47.3	221.4	55,700 *	56.1	229.8	62,400 *	61.0	233.0	66,400 *													80
85	43.2	216.4	53,700 *	52.6	226.2	60,100 *	57.7	230.1	63,900 *													85
90	38.9	210.7	51,900 *	48.9	222.1	57,900 *	54.2	226.7	61,600 *	62.2	231.2	62,800										90
95	34.0	203.9	49,000 *	45.0	217.5	55,800 *	50.6	222.8	59,300 *	58.9	228.4	58,800										95
100	28.5	195.7	45,700 *	40.8	212.1	53,900 *	46.8	218.4	57,200 *	55.5	225.2	55,200										100
105	21.8	185.0	42,800 *	36.2	205.8	50,600 *	42.7	213.4	55,300 *	52.0	221.5	52,000										105
110	11.9	168.5	35,600 *	31.0	198.3	47,100 *	38.3	207.5	52,300 *	48.2	217.3	49,100	56.6	222.4	45,900							110
115				24.9	188.9	44,100 *	33.4	200.6	48,600 *	44.3	212.5	46,500	53.1	218.9	43,400							115
120				16.9	175.7	41,300 *	27.8	192.2	45,400 *	40.0	207.0	44,100	49.5	214.8	41,200							120
125							20.8	181.1	42,500 *	35.3	200.5	41,900	45.6	210.3	39,100							125
130							10.0	163.0	38,800 *	30.0	192.7	39,900	41.4	205.0	37,200	50.4	211.0	34,700				130
135										23.7	182.9	38,000	36.9	198.9	35,500	46.5	206.6	33,000				135
140										15.0	168.6	36,300	31.8	191.5	33,900	42.4	201.5	31,500				140
145													25.8	182.4	32,400	38.0	195.6	30,100	47.1	201.5	27,900	145
150													18.2	170.1	31,000	33.1	188.6	28,800	43.1	196.5	26,700	150
155																27.4	180.0	27,600	38.7	190.7	25,600	155
160																20.3	168.7	26,400	33.8	183.9	24,500	160
170																			21.5	164.8	22,500	170

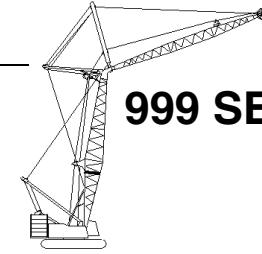
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 110 Ft. Jib

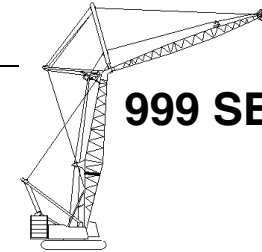
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	64,200 *																70
75	55.1	238.2	55,700 *	62.6	244.4	62,100 *	66.7	246.6	64,900 *													75
80	51.9	234.5	53,600 *	59.6	241.6	59,800 *	63.9	244.3	63,000 *													80
85	48.5	230.3	51,700 *	56.5	238.5	57,700 *	60.9	241.7	61,000 *													85
90	44.9	225.6	50,000 *	53.3	235.0	55,500 *	57.9	238.7	58,900 *													90
95	41.1	220.2	48,300 *	50.0	231.0	53,600 *	54.8	235.4	56,800 *	62.0	239.9	58,700										95
100	37.0	214.1	45,600 *	46.5	226.6	51,700 *	51.5	231.6	54,800 *	59.0	237.0	55,100										100
105	32.4	206.9	42,700 *	42.8	221.5	50,000 *	48.1	227.4	52,900 *	55.9	233.9	51,900										105
110	27.2	198.1	40,100 *	38.8	215.7	48,300 *	44.5	222.6	51,200 *	52.7	230.3	49,000										110
115	20.7	186.9	37,800 *	34.5	209.0	45,200 *	40.6	217.2	49,500 *	49.4	226.2	46,400	56.9	231.1	43,400							115
120	11.3	169.5	32,700 *	29.5	201.0	42,400 *	36.5	210.9	46,600 *	45.9	221.7	44,100	53.8	227.6	41,100							120
125				23.7	191.0	40,000 *	31.8	203.5	43,600 *	42.1	216.5	41,900	50.5	223.7	39,100							125
130				16.1	177.2	37,300 *	26.5	194.6	41,000 *	38.1	210.6	39,900	47.0	219.3	37,200							130
135							19.8	182.9	38,700 *	33.6	203.6	38,000	43.3	214.4	35,500	51.3	219.8	33,000				135
140							9.6	163.8	35,000 *	28.6	195.3	36,300	39.4	208.7	33,900	47.9	215.6	31,500				140
145										22.5	184.9	34,700	35.1	202.1	32,400	44.2	210.8	30,100				145
150										14.3	169.9	33,200	30.3	194.3	31,000	40.4	205.3	28,800				150
155													24.6	184.7	29,700	36.2	198.9	27,600	44.8	205.7	25,600	155
160													17.3	171.6	28,500	31.5	191.5	26,500	41.0	200.3	24,500	160
170																19.3	170.4	24,400	32.2	186.9	22,600	170
180																			20.5	166.7	20,800	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 120 Ft. Jib

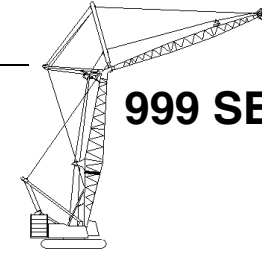
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.1	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	54,600 *																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	53,300 *													80
85	52.6	243.3	43,900 *	59.6	250.3	48,800 *	63.5	253.0	51,600 *													85
90	49.5	239.2	42,300 *	56.8	247.2	47,000 *	60.8	250.3	49,700 *													90
95	46.3	234.7	40,800 *	53.9	243.7	45,300 *	58.1	247.4	47,900 *													95
100	42.9	229.6	39,300 *	50.9	239.9	43,600 *	55.2	244.1	46,200 *	61.9	248.5	49,900 *										100
105	39.3	223.9	38,000 *	47.7	235.6	42,100 *	52.2	240.4	44,600 *	59.1	245.7	48,300 *										105
110	35.4	217.3	36,800 *	44.4	230.7	40,600 *	49.2	236.3	43,000 *	56.3	242.5	46,700 *										110
115	31.0	209.7	35,700 *	40.9	225.3	39,200 *	45.9	231.8	41,400 *	53.4	239.0	45,100 *										115
120	26.0	200.5	34,400 *	37.1	219.1	37,900 *	42.5	226.6	40,000 *	50.3	235.1	43,600 *	57.2	239.7	40,700							120
125	19.9	188.7	32,700 *	32.9	212.0	36,700 *	38.8	220.8	38,700 *	47.2	230.7	41,500	54.3	236.3	38,700							125
130	10.8	170.4	28,900 *	28.3	203.6	35,600 *	34.9	214.1	37,500 *	43.8	225.8	39,500	51.3	232.5	36,800							130
135				22.7	193.1	34,700 *	30.4	206.3	36,300 *	40.2	220.2	37,700	48.2	228.3	35,100							135
140				15.4	178.6	33,300 *	25.3	196.9	35,300 *	36.4	213.9	36,000	44.9	223.6	33,500	52.1	228.6	31,100				140
145							19.0	184.6	34,500 *	32.2	206.6	34,400	41.4	218.2	32,000	49.0	224.5	29,700				145
150							9.1	164.6	31,400 *	27.3	197.8	33,000	37.7	212.2	30,700	45.7	219.9	28,400				150
155										21.6	186.8	31,600	33.6	205.2	29,400	42.3	214.7	27,200				155
160										13.7	171.1	30,300	29.0	196.9	28,200	38.6	208.9	26,100	46.2	214.8	24,100	160
170													16.6	173.1	26,000	30.1	194.2	24,100	39.2	204.0	22,200	170
180																18.5	172.1	22,200	30.8	189.7	20,500	180
190																			19.6	168.4	18,900	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 130 Ft. Jib

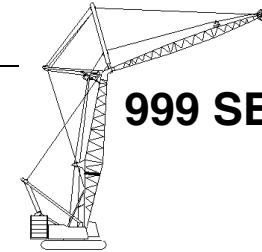
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	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	47,500 *													85
90	53.2	252.0	39,200 *	59.6	258.9	43,600 *	63.3	261.7	45,900 *													90
95	50.4	248.1	37,800 *	57.1	255.8	42,000 *	60.8	259.0	44,300 *													95
100	47.5	243.7	36,400 *	54.4	252.4	40,500 *	58.2	256.1	42,800 *													100
105	44.4	238.9	35,100 *	51.6	248.7	39,000 *	55.6	252.8	41,300 *	61.7	257.2	44,300 *										105
110	41.2	233.5	33,800 *	48.8	244.5	37,600 *	52.9	249.2	39,800 *	59.2	254.4	43,000 *										110
115	37.7	227.4	32,700 *	45.8	239.9	36,200 *	50.1	245.2	38,400 *	56.6	251.2	41,600 *										115
120	33.9	220.5	31,600 *	42.6	234.7	34,900 *	47.1	240.8	37,000 *	53.9	247.8	40,300 *										120
125	29.8	212.4	30,600 *	39.2	229.0	33,700 *	44.0	235.9	35,700 *	51.1	243.9	38,900 *	57.4	248.4	38,400							125
130	25.0	202.7	29,700 *	35.6	222.4	32,600 *	40.8	230.4	34,500 *	48.2	239.7	37,600 *	54.8	245.0	36,600							130
135	19.1	190.4	28,700 *	31.6	214.9	31,500 *	37.3	224.2	33,300 *	45.2	235.0	36,300 *	52.0	241.3	34,800							135
140	10.4	171.4	26,200 *	27.1	206.0	30,500 *	33.4	217.2	32,200 *	42.0	229.7	35,100 *	49.2	237.2	33,300							140
145				21.8	195.0	29,700 *	29.2	209.0	31,200 *	38.6	223.8	33,900 *	46.2	232.7	31,800	52.7	237.4	29,400				145
150				14.8	179.9	29,000 *	24.3	199.1	30,200 *	34.9	217.1	32,800 *	43.0	227.6	30,400	49.9	233.4	28,200				150
155							18.2	186.2	29,400 *	30.9	209.4	31,400	39.7	221.9	29,200	46.9	229.0	27,000				155
160							8.8	165.4	28,100 *	26.3	200.2	30,100	36.1	215.5	28,000	43.8	224.0	25,800				160
170										13.1	172.3	27,800	27.8	199.5	25,800	37.0	212.3	23,800	44.3	219.0	21,900	170
180													15.9	174.6	23,800	28.9	196.9	22,000	37.6	207.4	20,200	180
190																17.8	173.7	20,400	29.6	192.4	18,700	190
200																			18.8	170.1	17,400	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 140 Ft. Jib

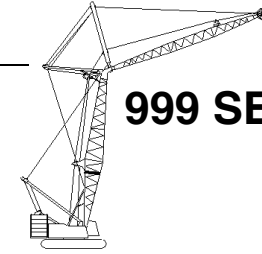
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.3	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	42,000 *													90
95	53.7	260.7	34,400 *	59.7	267.6	38,400 *	63.0	270.3	40,600 *													95
100	51.1	256.9	33,000 *	57.3	264.5	36,900 *	60.7	267.7	39,100 *													100
105	48.4	252.7	31,700 *	54.8	261.1	35,500 *	58.3	264.7	37,600 *													105
110	45.7	248.0	30,500 *	52.3	257.5	34,100 *	55.9	261.5	36,200 *	61.6	265.9	39,100 *										110
115	42.7	242.9	29,300 *	49.6	253.4	32,800 *	53.4	257.9	34,900 *	59.2	263.0	37,800 *										115
120	39.6	237.2	28,200 *	46.9	248.9	31,500 *	50.8	254.1	33,500 *	56.8	259.9	36,600 *										120
125	36.3	230.7	27,200 *	44.0	244.0	30,300 *	48.1	249.8	32,200 *	54.4	256.5	35,300 *										125
130	32.7	223.5	26,200 *	41.0	238.5	29,100 *	45.3	245.1	31,000 *	51.8	252.7	34,000 *	57.6	257.1	36,200 *							130
135	28.6	215.0	25,200 *	37.7	232.5	28,000 *	42.3	239.9	29,800 *	49.1	248.6	32,800 *	55.1	253.7	34,400							135
140	24.0	204.9	24,400 *	34.3	225.6	27,000 *	39.2	234.1	28,700 *	46.4	244.1	31,600 *	52.6	250.1	32,900							140
145	18.4	192.0	23,700 *	30.4	217.7	26,000 *	35.9	227.6	27,600 *	43.5	239.0	30,400 *	50.0	246.1	31,400							145
150	10.0	172.3	23,100 *	26.1	208.4	25,100 *	32.2	220.1	26,600 *	40.4	233.5	29,300 *	47.3	241.7	30,100							150
155				21.0	196.9	24,300 *	28.1	211.5	25,700 *	37.1	227.3	28,200 *	44.4	236.8	28,800	50.6	242.2	26,600				155
160				14.2	181.2	23,600 *	23.4	201.2	24,800 *	33.6	220.2	27,200 *	41.4	231.5	27,600	47.9	237.9	25,400				160
170							8.5	166.2	23,500 *	25.3	202.5	25,300 *	34.8	218.7	25,400	42.2	228.0	23,400				170
180										12.7	173.4	23,900 *	26.8	201.9	23,500	35.6	215.6	21,700	42.6	223.0	19,800	180
190													15.4	175.9	21,800	27.8	199.4	20,100	36.1	210.8	18,300	190
200																17.1	175.2	18,600	28.5	195.0	17,000	200
210																			18.1	171.7	15,800	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 150 Ft. Jib

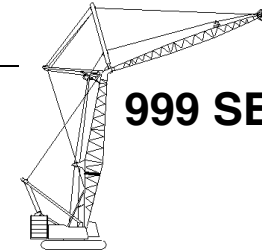
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.4	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	35,900 *													100
105	51.7	265.7	29,000 *	57.5	273.2	32,500 *	60.7	276.3	34,600 *													105
110	49.3	261.6	27,800 *	55.2	269.9	31,200 *	58.5	273.4	33,200 *													110
115	46.7	257.1	26,600 *	52.8	266.2	29,900 *	56.2	270.2	31,900 *	61.5	274.5	34,600 *										115
120	44.0	252.1	25,500 *	50.4	262.3	28,700 *	53.9	266.7	30,600 *	59.3	271.7	33,400 *										120
125	41.2	246.7	24,500 *	47.8	257.9	27,500 *	51.5	262.9	29,400 *	57.0	268.6	32,200 *										125
130	38.2	240.7	23,500 *	45.2	253.2	26,400 *	49.0	258.7	28,200 *	54.7	265.2	31,000 *										130
135	35.0	234.0	22,500 *	42.4	248.0	25,300 *	46.4	254.1	27,000 *	52.4	261.5	29,800 *	57.8	265.7	31,900 *							135
140	31.5	226.3	21,600 *	39.5	242.2	24,200 *	43.7	249.2	25,900 *	49.9	257.5	28,700 *	55.5	262.4	30,900 *							140
145	27.7	217.5	20,800 *	36.4	235.8	23,300 *	40.8	243.7	24,800 *	47.4	253.1	27,500 *	53.1	258.9	29,900 *							145
150	23.2	207.0	20,000 *	33.1	228.6	22,300 *	37.8	237.6	23,800 *	44.7	248.3	26,400 *	50.7	254.9	28,800 *							150
155	17.7	193.6	19,400 *	29.4	220.3	21,400 *	34.6	230.7	22,900 *	41.9	243.0	25,400 *	48.2	250.7	27,700 *							155
160	9.7	173.1	18,800 *	25.2	210.7	20,600 *	31.1	223.0	22,000 *	39.0	237.1	24,300 *	45.6	246.0	26,700 *	51.3	251.1	25,300				160
170				13.7	182.4	19,300 *	22.6	203.2	20,300 *	32.4	223.2	22,400 *	39.9	235.2	24,700 *	46.2	242.3	23,300				170
180							8.2	166.9	19,100 *	24.4	204.7	20,800 *	33.6	221.8	22,800 *	40.7	231.7	21,600	46.6	237.2	19,700	180
190										12.2	174.5	19,400 *	25.8	204.2	21,100 *	34.4	218.7	20,000	41.1	226.8	18,300	190
200													14.8	177.3	19,700 *	26.9	201.8	18,600	34.9	214.0	16,900	200
210																16.5	176.7	17,200	27.5	197.5	15,700	210
220																			17.5	173.3	14,600	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 160 Ft. Jib

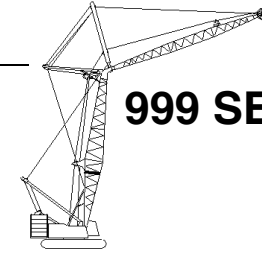
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	30,100 *										120
125	45.1	261.3	21,600 *	51.0	271.1	24,500 *	54.3	275.4	26,300 *	59.3	280.3	29,000 *										125
130	42.6	256.1	20,600 *	48.7	266.9	23,400 *	52.0	271.7	25,200 *	57.2	277.3	27,800 *										130
135	39.8	250.4	19,700 *	46.2	262.3	22,400 *	49.7	267.6	24,000 *	55.1	273.9	26,700 *										135
140	37.0	244.1	18,800 *	43.7	257.3	21,300 *	47.3	263.2	22,900 *	52.9	270.3	25,600 *	57.9	274.4	27,600 *							140
145	33.9	237.1	17,900 *	41.0	251.8	20,400 *	44.8	258.4	21,900 *	50.6	266.3	24,500 *	55.8	271.1	26,700 *							145
150	30.5	229.1	17,100 *	38.2	245.7	19,400 *	42.2	253.1	20,900 *	48.2	262.0	23,400 *	53.6	267.6	25,700 *							150
155	26.8	219.9	16,400 *	35.2	239.0	18,500 *	39.5	247.3	19,900 *	45.8	257.4	22,400 *	51.3	263.8	24,600 *							155
160	22.5	209.0	15,700 *	32.0	231.5	17,700 *	36.6	240.9	19,000 *	43.2	252.3	21,400 *	49.0	259.6	23,600 *							160
170	9.4	174.0	14,500 *	24.0	212.9	16,200 *	30.1	225.7	17,400 *	37.7	240.6	19,500 *	44.0	250.1	21,700 *	49.6	255.8	23,000				170
180				13.3	183.6	14,900 *	21.9	205.2	15,900 *	31.4	226.0	17,800 *	38.6	238.7	19,800 *	44.7	246.5	21,200				180
190							7.9	167.6	14,700 *	23.6	206.8	16,300 *	32.5	224.7	18,100 *	39.3	235.4	19,600	45.0	241.4	17,900	190
200										11.8	175.6	15,000 *	25.0	206.5	16,600 *	33.3	221.7	18,200	39.7	230.5	16,500	200
210													14.4	178.5	15,300 *	26.0	204.2	16,800 *	33.7	217.1	15,400	210
220																16.0	178.1	15,500 *	26.6	199.9	14,300	220
230																			16.9	174.8	13,200	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

140 Ft. Boom, 170 Ft. Jib

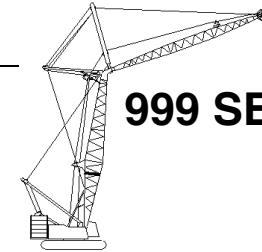
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.4	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	26,400 *										125
130	46.1	270.4	18,500 *	51.6	279.9	21,200 *	54.6	284.1	22,800 *	59.4	289.0	25,300 *										130
135	43.7	265.4	17,600 *	49.4	275.8	20,200 *	52.5	280.4	21,700 *	57.4	285.9	24,200 *										135
140	41.2	259.9	16,700 *	47.1	271.3	19,200 *	50.4	276.4	20,700 *	55.4	282.6	23,200 *										140
145	38.6	254.0	15,900 *	44.8	266.5	18,200 *	48.1	272.1	19,700 *	53.3	279.0	22,100 *	58.0	283.1	24,100 *							145
150	35.8	247.4	15,100 *	42.3	261.2	17,300 *	45.8	267.5	18,700 *	51.2	275.1	21,100 *	56.0	279.8	23,200 *							150
155	32.8	240.0	14,300 *	39.7	255.5	16,400 *	43.4	262.4	17,800 *	49.0	271.0	20,100 *	54.0	276.3	22,200 *							155
160	29.6	231.8	13,600 *	37.0	249.1	15,600 *	40.9	256.9	16,900 *	46.7	266.4	19,100 *	51.9	272.6	21,300 *							160
170	21.8	211.0	12,100 *	31.0	234.3	14,100 *	35.5	244.2	15,300 *	41.9	256.2	17,300 *	47.4	264.1	19,400 *	52.4	268.6	21,100 *				170
180	9.1	174.8	10,600 *	23.7	215.0	12,500 *	29.1	228.4	13,800 *	36.5	243.9	15,600 *	42.7	254.1	17,600 *	48.0	260.3	19,400 *				180
190				12.9	184.7	10,900 *	21.2	207.1	12,100 *	30.4	228.8	14,100 *	37.4	242.2	15,900 *	43.3	250.5	17,700 *				190
200							7.7	168.3	10,600 *	22.9	208.9	12,500 *	31.5	227.6	14,400 *	38.1	238.9	16,100 *	43.6	245.5	16,300	200
210										11.5	176.6	10,900 *	24.2	208.7	12,800 *	32.2	224.7	14,600 *	38.5	234.0	15,100	210
220													13.9	179.8	11,100 *	25.2	206.4	13,000 *	32.7	220.0	14,000	220
230																15.5	179.5	11,400 *	25.8	202.2	13,000	230
240																			16.4	176.3	11,500 *	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	83,800 *	60.5	217.6	94,400 *b																60
65	41.4	204.2	81,100 *	55.7	214.5	90,800 *b																65
70	34.7	197.8	74,000 *	50.5	210.7	87,600 *b	58.3	215.0	91,200 b													70
75	26.7	189.4	66,300 *	45.0	206.2	82,000 *	53.4	211.6	83,800 b													75
80	15.3	176.4	52,500 *	38.9	200.6	76,100 *	48.1	207.5	77,400	60.9	213.6	72,500 b										80
85				31.8	193.6	70,900 *	42.3	202.6	71,900	56.1	210.5	67,300 b										85
90				22.9	183.9	65,200 *	35.9	196.4	67,100	51.1	206.8	62,800 b										90
95				6.9	165.1	48,600 *	28.1	188.4	62,800	45.6	202.4	58,800										95
100							17.6	176.5	58,900	39.5	196.9	55,200	53.6	204.6	51,500 b							100
105										32.6	190.0	52,000	48.3	200.5	48,500							105
110										23.9	180.7	49,100	42.5	195.6	45,800							110
115										9.7	164.1	46,300	36.1	189.5	43,300	50.5	197.0	40,200 b				115
120													28.4	181.5	41,100	44.9	192.5	38,100				120
125													18.0	169.9	39,000	38.8	186.9	36,200				125
130																31.7	179.8	34,500	46.7	187.8	31,900	130
135																22.7	170.1	32,800	40.7	182.5	30,400	135
140																6.4	150.8	31,200	34.0	176.0	29,000	140
145																			25.7	167.3	27,700	145
150																			13.6	153.2	26,400	150

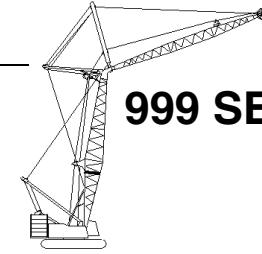
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 80 Ft. Jib

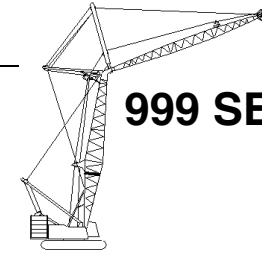
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	87,500 *b																60
65	49.0	218.2	74,400 *	60.4	226.3	84,200 *b	66.6	228.8	89,400 *b													65
70	44.0	213.5	71,700 *	56.2	223.2	80,800 *b	62.7	226.5	86,300 *b													70
75	38.6	207.8	68,100 *	51.8	219.5	77,700 *	58.6	223.6	83,100 *b													75
80	32.4	200.8	62,500 *	47.1	215.3	74,900 *	54.3	220.3	77,100													80
85	25.0	191.7	57,500 *	42.0	210.2	70,500 *	49.7	216.4	71,600	60.8	222.2	66,900 b										85
90	14.3	177.7	46,100 *	36.3	204.0	65,800 *	44.8	211.8	66,800	56.6	219.2	62,400 b										90
95				29.7	196.3	60,500 *	39.5	206.3	62,500	52.2	215.6	58,400										95
100				21.4	185.9	55,800 *	33.5	199.5	58,700	47.5	211.4	54,900										100
105				6.5	165.7	43,100 *	26.3	190.8	55,300	42.5	206.4	51,700	54.4	213.3	48,100							105
110							16.4	178.0	52,200	36.9	200.4	48,800	49.9	209.4	45,400							110
115										30.4	192.9	46,200	45.0	204.8	43,000							115
120										22.3	182.8	43,800	39.7	199.3	40,700	51.7	205.9	37,700				120
125										9.1	165.0	41,500	33.7	192.6	38,700	47.0	201.6	35,800				125
130													26.5	184.0	36,800	41.9	196.5	34,100				130
135													16.8	171.4	35,100	36.2	190.3	32,500				135
140																29.6	182.6	31,000	43.5	191.9	28,600	140
145																21.2	172.0	29,600	38.0	186.1	27,300	145
150																6.0	151.4	28,200	31.7	178.9	26,100	150
155																			24.1	169.5	25,000	155
160																			12.7	154.4	23,900	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 90 Ft. Jib

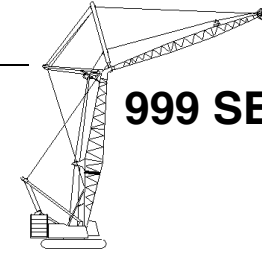
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	79,000 *b																60
65	54.3	231.0	67,400 *	64.0	237.6	76,100 *b																65
70	50.3	227.1	65,100 *	60.4	234.9	73,200 *	65.9	237.6	77,700 *b													70
75	46.0	222.6	62,900 *	56.6	231.9	70,700 *	62.4	235.1	75,100 *b													75
80	41.4	217.4	60,900 *	52.7	228.3	68,200 *	58.7	232.3	72,500 *													80
85	36.3	211.2	57,500 *	48.6	224.2	65,900 *	54.9	229.0	70,100 *													85
90	30.5	203.6	53,300 *	44.2	219.5	63,700 *	50.9	225.3	66,600	60.7	230.9	62,100 b										90
95	23.5	193.8	49,500 *	39.5	213.9	60,400 *	46.7	220.9	62,400	57.0	227.9	58,200										95
100	13.5	178.9	41,000 *	34.1	207.2	55,800 *	42.1	215.8	58,600	53.1	224.4	54,600										100
105				28.0	198.9	51,800 *	37.1	209.7	55,200	49.0	220.3	51,500										105
110				20.2	187.7	48,200 *	31.5	202.4	52,100	44.7	215.6	48,600	55.0	222.0	45,100							110
115				6.1	166.3	38,600 *	24.7	193.1	49,300	39.9	210.2	46,000	51.0	218.2	42,700							115
120							15.5	179.4	46,800 *	34.7	203.6	43,600	46.8	213.9	40,500							120
125										28.6	195.5	41,500	42.3	208.8	38,500	52.7	214.6	35,600				125
130										21.0	184.7	39,500	37.3	202.8	36,600	48.6	210.5	33,800				130
135										8.5	165.7	37,500	31.7	195.5	34,900	44.2	205.8	32,300				135
140													25.0	186.3	33,300	39.4	200.2	30,800				140
145													15.8	172.8	31,800	34.1	193.5	29,400	45.5	201.1	27,000	145
150																27.9	185.1	28,100	40.9	195.7	25,900	150
155																20.0	173.9	26,900	35.7	189.4	24,800	155
160																5.6	151.9	25,700	29.9	181.7	23,700	160
170																			11.9	155.5	21,800	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 100 Ft. Jib

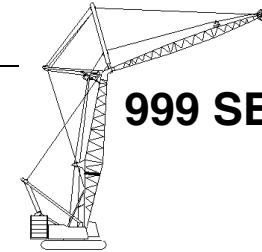
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	70,600 *b																65
70	54.9	239.7	60,100 *	63.6	246.2	67,900 *																70
75	51.3	235.9	57,800 *	60.3	243.6	65,400 *	65.3	246.3	69,400 *b													75
80	47.5	231.7	55,700 *	57.0	240.5	62,900 *	62.1	243.8	66,900 *													80
85	43.5	226.8	53,700 *	53.5	237.1	60,500 *	58.8	241.0	64,500 *													85
90	39.2	221.1	51,900 *	49.8	233.1	58,300 *	55.4	237.7	62,200 *													90
95	34.4	214.4	48,600 *	46.0	228.6	56,300 *	51.9	234.1	60,000 *	60.7	239.5	57,700										95
100	28.9	206.3	45,400 *	41.9	223.4	54,300 *	48.1	229.9	57,900 *	57.3	236.5	54,200										100
105	22.3	195.9	42,700 *	37.4	217.4	51,500 *	44.2	225.1	54,900	53.8	233.1	51,100										105
110	12.8	180.0	36,500 *	32.3	210.2	47,900 *	39.9	219.5	51,800	50.2	229.2	48,200										110
115				26.5	201.3	44,800 *	35.2	213.0	49,100	46.4	224.8	45,700	55.5	230.7	42,300							115
120				19.1	189.4	42,000 *	29.8	205.2	46,500 *	42.3	219.6	43,300	52.0	227.0	40,100							120
125				5.8	166.8	34,600 *	23.5	195.2	43,500 *	37.8	213.7	41,200	48.3	222.9	38,100							125
130							14.7	180.7	40,800 *	32.9	206.6	39,200	44.3	218.1	36,300							130
135										27.1	198.0	37,300	40.0	212.6	34,600	49.8	219.4	31,800				135
140										19.9	186.5	35,600	35.3	206.1	33,000	45.9	214.9	30,400				140
145										8.1	166.5	34,000	30.0	198.3	31,500	41.8	209.7	29,000				145
150													23.7	188.4	30,200	37.3	203.6	27,800	47.1	210.1	25,400	150
155													15.0	174.2	28,900	32.3	196.4	26,600	43.1	205.1	24,300	155
160																26.4	187.5	25,500	38.7	199.4	23,300	160
170																5.3	152.3	23,300	28.3	184.2	21,400	170
180																			11.3	156.5	19,700	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	64,200 *																70
75	55.4	248.4	55,600 *	63.3	254.9	62,200 *	67.7	257.2	64,900 *													75
80	52.1	244.7	53,600 *	60.3	252.2	60,200 *	64.9	255.0	63,100 *													80
85	48.8	240.6	51,700 *	57.3	249.2	58,000 *	61.9	252.5	61,300 *													85
90	45.2	235.9	50,000 *	54.1	245.8	55,900 *	58.9	249.6	59,400 *													90
95	41.4	230.6	47,200 *	50.8	242.0	54,000 *	55.9	246.4	57,300 *													95
100	37.3	224.5	44,300 *	47.4	237.6	52,200 *	52.6	242.8	55,400 *	60.6	248.2	54,200										100
105	32.7	217.4	41,600 *	43.7	232.7	50,400 *	49.3	238.8	53,500 *	57.6	245.2	51,000										105
110	27.6	208.8	39,200 *	39.8	227.1	48,800 *	45.8	234.2	51,800 *	54.4	241.8	48,200										110
115	21.3	197.8	37,100 *	35.6	220.6	45,900 *	42.0	229.0	49,100	51.1	238.0	45,600										115
120	12.2	181.1	33,600 *	30.8	213.0	43,100 *	38.0	223.1	46,600	47.7	233.8	43,300	56.0	239.4	40,100							120
125				25.3	203.6	40,500 *	33.5	216.1	44,300	44.1	228.9	41,100	52.7	235.8	38,100							125
130				18.2	191.1	38,200 *	28.4	207.8	41,900 *	40.2	223.4	39,200	49.4	231.8	36,200							130
135				5.5	167.3	31,900 *	22.3	197.2	39,500 *	36.0	217.0	37,400	45.9	227.2	34,500							135
140							14.0	182.0	37,200 *	31.3	209.5	35,700	42.1	222.0	33,000	50.8	228.3	30,300				140
145										25.8	200.3	34,100	38.1	216.1	31,500	47.3	223.9	29,000				145
150										19.0	188.2	32,600	33.6	209.2	30,200	43.7	219.0	27,800				150
155										7.7	167.1	31,200	28.6	200.9	28,900	39.8	213.4	26,600				155
160													22.6	190.5	27,700	35.5	206.9	25,500	44.8	214.4	23,300	160
170																25.2	189.8	23,500	36.8	202.8	21,500	170
180																5.1	152.8	21,600	27.0	186.7	19,800	180
190																			10.8	157.5	18,300	190

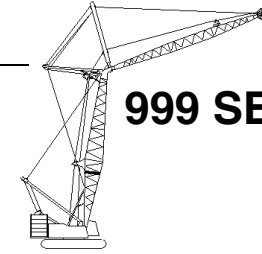
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 120 Ft. Jib

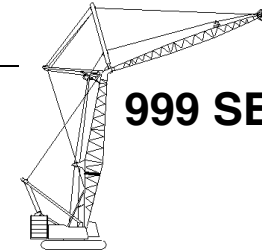
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.3	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	51,000 *	67.1	265.9	53,500 *													80
85	52.8	253.5	43,900 *	60.3	260.9	49,200 *	64.5	263.7	51,900 *													85
90	49.8	249.5	42,300 *	57.5	257.9	47,400 *	61.8	261.1	50,200 *													90
95	46.6	245.0	40,800 *	54.6	254.5	45,700 *	59.0	258.3	48,500 *													95
100	43.2	240.0	39,400 *	51.6	250.8	44,000 *	56.2	255.1	46,700 *													100
105	39.6	234.3	38,100 *	48.5	246.6	42,400 *	53.3	251.6	45,100 *	60.5	256.9	48,900 *										105
110	35.6	227.8	36,900 *	45.2	241.9	40,900 *	50.2	247.7	43,500 *	57.8	253.9	47,400 *										110
115	31.3	220.3	35,500 *	41.8	236.6	39,500 *	47.1	243.3	42,000 *	54.9	250.6	45,200 *										115
120	26.4	211.2	33,600 *	38.1	230.7	38,200 *	43.7	238.3	40,500 *	51.9	246.8	42,900 *										120
125	20.3	199.6	32,000 *	34.0	223.8	37,000 *	40.1	232.8	39,200 *	48.8	242.7	40,800 *	56.3	248.1	37,600 *							125
130	11.7	182.2	29,600 *	29.5	215.7	35,900 *	36.3	226.4	37,900 *	45.6	238.1	38,800 *	53.4	244.6	35,800 *							130
135				24.2	205.8	35,000 *	32.0	219.0	36,800 *	42.1	232.9	37,000 *	50.3	240.6	34,200 *							135
140				17.4	192.6	34,100 *	27.2	210.2	35,700 *	38.4	227.0	35,400 *	47.2	236.3	32,600 *							140
145				5.3	167.8	28,300 *	21.4	199.2	34,800 *	34.4	220.2	33,800 *	43.8	231.3	31,200 *	51.6	237.1	28,600 *				145
150							13.4	183.2	33,200 *	29.9	212.2	32,400 *	40.3	225.8	29,800 *	48.5	232.9	27,300 *				150
155										24.7	202.6	31,000 *	36.4	219.5	28,600 *	45.2	228.2	26,200 *				155
160										18.2	189.8	29,700 *	32.2	212.1	27,400 *	41.7	222.9	25,100 *				160
170													21.6	192.4	25,300 *	33.9	210.0	23,100 *	42.8	218.4	21,000 *	170
180																24.1	192.0	21,400 *	35.2	206.0	19,400 *	180
190																4.9	153.2	19,700 *	25.8	189.0	18,000 *	190
200																		10.3	158.4	16,600 *		200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 130 Ft. Jib

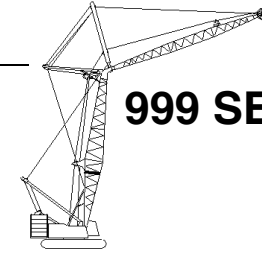
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	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	47,700 *													85
90	53.4	262.3	39,200 *	60.3	269.6	43,800 *	64.1	272.4	46,200 *													90
95	50.6	258.4	37,800 *	57.7	266.5	42,300 *	61.6	269.8	44,700 *													95
100	47.7	254.0	36,500 *	55.0	263.2	40,800 *	59.1	267.0	43,200 *													100
105	44.6	249.2	35,200 *	52.3	259.5	39,300 *	56.5	263.8	41,700 *	63.0	268.2	44,700 *										105
110	41.4	243.9	33,900 *	49.5	255.5	37,900 *	53.8	260.3	40,300 *	60.5	265.5	43,500 *										110
115	37.9	237.8	32,800 *	46.5	251.0	36,600 *	51.0	256.5	38,900 *	57.9	262.6	42,200 *										115
120	34.2	231.0	31,700 *	43.4	246.0	35,300 *	48.1	252.2	37,500 *	55.3	259.3	40,900 *										120
125	30.1	223.0	30,700 *	40.1	240.4	34,000 *	45.1	247.5	36,200 *	52.6	255.6	39,600 *										125
130	25.3	213.5	29,500 *	36.5	234.0	32,900 *	41.9	242.2	34,900 *	49.7	251.6	38,300 *	56.6	256.8	35,500							130
135	19.5	201.4	28,100 *	32.6	226.8	31,800 *	38.5	236.3	33,800 *	46.8	247.1	36,800	53.9	253.3	33,900							135
140	11.2	183.2	26,900 *	28.3	218.3	30,800 *	34.8	229.6	32,600 *	43.7	242.2	35,100	51.1	249.5	32,300							140
145				23.2	207.9	29,900 *	30.7	221.8	31,600 *	40.4	236.6	33,600	48.2	245.2	30,900							145
150				16.7	194.1	29,200 *	26.1	212.6	30,600 *	36.9	230.4	32,100	45.2	240.5	29,600	52.3	245.9	27,100				150
155				5.1	168.2	25,800 *	20.5	201.0	29,800 *	33.0	223.2	30,800	42.0	235.3	28,300	49.4	241.8	25,900				155
160							12.9	184.3	29,100 *	28.7	214.9	29,600	38.6	229.4	27,200	46.5	237.3	24,800				160
170										17.5	191.4	27,200	30.9	215.0	25,000	40.0	226.6	22,900	47.4	232.5	20,800	170
180													20.7	194.3	23,100	32.6	213.0	21,100	41.0	222.2	19,200	180
190																23.1	194.1	19,600	33.8	209.1	17,700	190
200																4.7	153.7	18,100	24.8	191.3	16,400	200
210																			9.9	159.3	15,200	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 140 Ft. Jib

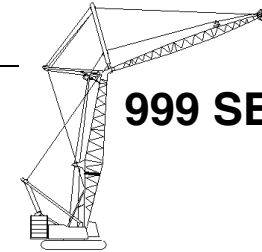
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	74.5	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	42,300 *													90
95	53.9	271.0	34,400 *	60.2	278.2	38,700 *	63.8	281.1	40,900 *													95
100	51.3	267.2	33,100 *	57.9	275.2	37,200 *	61.5	278.5	39,500 *													100
105	48.6	263.0	31,800 *	55.4	271.9	35,800 *	59.2	275.6	38,100 *													105
110	45.8	258.4	30,600 *	52.9	268.3	34,500 *	56.8	272.5	36,700 *	62.8	276.9	39,500 *										110
115	42.9	253.2	29,400 *	50.3	264.3	33,100 *	54.3	269.1	35,300 *	60.5	274.2	38,400 *										115
120	39.8	247.6	28,300 *	47.6	260.0	31,900 *	51.7	265.3	34,000 *	58.1	271.2	37,100 *										120
125	36.5	241.2	27,300 *	44.7	255.2	30,600 *	49.1	261.2	32,700 *	55.6	268.0	35,900 *										125
130	32.9	234.0	26,300 *	41.7	249.9	29,500 *	46.3	256.6	31,500 *	53.1	264.4	34,700 *										130
135	28.9	225.6	25,300 *	38.6	243.9	28,400 *	43.4	251.6	30,300 *	50.5	260.4	33,400 *	56.8	265.5	33,500							135
140	24.4	215.7	24,500 *	35.1	237.3	27,300 *	40.3	246.0	29,200 *	47.8	256.1	32,200 *	54.4	262.0	31,900							140
145	18.8	203.1	23,800 *	31.4	229.6	26,300 *	37.0	239.7	28,100 *	45.0	251.4	31,100 *	51.8	258.3	30,500							145
150	10.8	184.2	23,200 *	27.2	220.7	25,400 *	33.5	232.7	27,000 *	42.0	246.1	29,900 *	49.1	254.1	29,200							150
155				22.3	209.9	24,600 *	29.6	224.5	26,100 *	38.9	240.2	28,800 *	46.4	249.6	27,900	52.8	254.6	25,500				155
160				16.1	195.6	23,900 *	25.1	214.9	25,200 *	35.5	233.6	27,800 *	43.5	244.6	26,800	50.2	250.7	24,400				160
170							12.4	185.4	23,800 *	27.7	217.4	25,900 *	37.2	232.8	24,700	44.7	241.5	22,500				170
180										16.8	192.9	24,300 *	29.7	217.7	22,800	38.5	230.2	20,700	45.5	236.8	18,700	180
190													20.0	196.1	21,100	31.3	215.9	19,200	39.5	225.9	17,300	190
200																22.3	196.1	17,800	32.5	212.1	16,000	200
210																4.5	154.1	16,500	23.8	193.4	14,900	210
220																			9.6	160.1	13,700	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 150 Ft. Jib

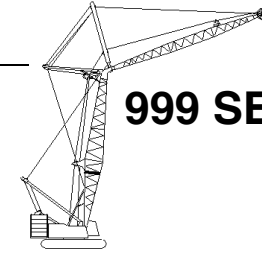
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.5	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	37,600 *													95
100	54.3	279.7	30,300 *	60.2	286.9	34,200 *	63.6	289.7	36,300 *													100
105	51.9	276.0	29,100 *	58.0	283.9	32,800 *	61.4	287.1	34,900 *													105
110	49.5	271.9	27,900 *	55.7	280.6	31,500 *	59.2	284.3	33,600 *													110
115	46.9	267.4	26,700 *	53.4	277.1	30,300 *	57.0	281.2	32,300 *	62.6	285.6	35,000 *										115
120	44.2	262.5	25,600 *	51.0	273.2	29,000 *	54.7	277.8	31,100 *	60.4	282.8	33,900 *										120
125	41.4	257.1	24,600 *	48.5	268.9	27,800 *	52.3	274.1	29,800 *	58.2	279.9	32,800 *										125
130	38.4	251.1	23,600 *	45.8	264.3	26,700 *	49.8	270.0	28,600 *	55.9	276.6	31,600 *										130
135	35.2	244.4	22,600 *	43.1	259.2	25,600 *	47.3	265.6	27,500 *	53.6	273.1	30,400 *										135
140	31.8	236.9	21,700 *	40.2	253.6	24,600 *	44.6	260.8	26,300 *	51.2	269.3	29,300 *	57.1	274.1	31,500 *							140
145	27.9	228.2	20,900 *	37.2	247.4	23,600 *	41.8	255.5	25,300 *	48.7	265.1	28,100 *	54.7	270.7	30,400 *							145
150	23.5	217.8	20,100 *	33.9	240.4	22,600 *	38.9	249.6	24,200 *	46.1	260.5	27,000 *	52.4	267.1	29,100 *							150
155	18.2	204.7	19,400 *	30.3	232.4	21,700 *	35.7	243.0	23,300 *	43.4	255.4	26,000 *	49.9	263.0	27,800 *							155
160	10.4	185.1	18,900 *	26.3	223.1	20,900 *	32.3	235.6	22,300 *	40.5	249.9	24,900 *	47.4	258.6	26,700 *							160
170				24.3	217.1	20,700 *	24.3	217.1	20,700 *	34.2	236.8	23,000 *	41.9	248.5	24,600 *	48.4	255.3	22,400 *				170
180				12.0	186.5	19,300 *	12.0	186.5	19,300 *	26.7	219.8	21,300 *	35.9	236.1	22,700 *	43.1	245.5	20,700 *				180
190										16.3	194.4	19,800 *	28.7	220.3	21,100 *	37.1	233.6	19,100 *	43.9	240.9	17,200 *	190
200													19.3	197.8	19,600 *	30.3	218.6	17,700 *	38.1	229.4	16,000 *	200
210																21.5	198.0	16,500 *	31.4	215.0	14,800 *	210
220																4.3	154.4	15,300 *	23.0	195.5	13,700 *	220
230																			9.2	160.9	12,700 *	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

150 Ft. Boom, 160 Ft. Jib

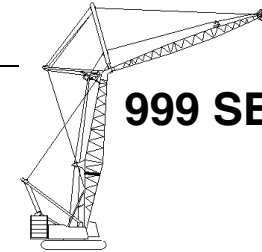
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	29,200 *													115
120	47.8	276.4	22,800 *	53.8	285.8	26,000 *	57.2	289.8	28,000 *	62.4	294.2	30,600 *										120
125	45.3	271.7	21,700 *	51.6	282.0	24,900 *	55.0	286.5	26,800 *	60.4	291.5	29,500 *										125
130	42.7	266.5	20,700 *	49.2	277.8	23,700 *	52.8	282.8	25,600 *	58.3	288.5	28,400 *										130
135	40.0	260.8	19,800 *	46.8	273.4	22,700 *	50.5	278.9	24,500 *	56.2	285.3	27,300 *										135
140	37.2	254.5	18,900 *	44.3	268.4	21,600 *	48.2	274.6	23,400 *	54.0	281.8	26,200 *										140
145	34.1	247.6	18,000 *	41.7	263.1	20,600 *	45.7	269.9	22,300 *	51.8	278.1	25,100 *	57.2	282.8	27,200 *							145
150	30.7	239.7	17,200 *	38.9	257.2	19,700 *	43.1	264.8	21,300 *	49.5	274.0	24,000 *	55.1	279.5	26,300 *							150
155	27.0	230.6	16,500 *	36.0	250.7	18,800 *	40.5	259.2	20,300 *	47.1	269.5	23,000 *	52.9	275.8	25,300 *							155
160	22.8	219.9	15,800 *	32.8	243.4	18,000 *	37.6	253.1	19,400 *	44.6	264.6	22,000 *	50.6	271.9	24,400 *							160
170	10.1	186.0	14,600 *	25.4	225.4	16,400 *	31.3	238.5	17,700 *	39.2	253.5	20,000 *	45.8	262.9	22,400 *	51.5	268.3	22,000				170
180				15.1	198.3	15,100 *	23.5	219.2	16,200 *	33.1	239.8	18,300 *	40.5	252.3	20,500 *	46.8	259.7	20,300				180
190							11.6	187.5	14,900 *	25.8	222.1	16,700 *	34.7	239.3	18,800 *	41.6	249.4	18,700	47.5	254.9	16,800	190
200										15.7	195.8	15,400 *	27.8	222.8	17,200 *	35.9	236.9	17,400	42.5	244.8	15,600	200
210													18.7	199.5	15,800 *	29.3	221.3	16,100	36.8	232.8	14,400	210
220																20.8	199.9	15,000	30.4	217.7	13,400	220
230																4.2	154.8	13,900	22.3	197.5	12,400	230
240																			9.0	161.7	11,500	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

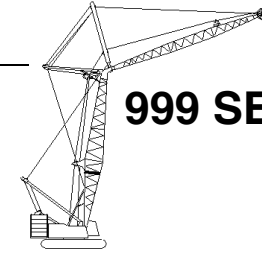
150 Ft. Boom, 170 Ft. Jib

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	75.5	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	26,900 *										125
130	46.3	280.7	18,600 *	52.1	290.8	21,500 *	55.3	295.2	23,200 *	60.4	300.2	25,800 *										130
135	43.9	275.8	17,700 *	49.9	286.7	20,400 *	53.2	291.6	22,100 *	58.4	297.2	24,800 *										135
140	41.4	270.3	16,800 *	47.7	282.3	19,400 *	51.1	287.7	21,100 *	56.4	294.0	23,700 *										140
145	38.8	264.4	16,000 *	45.3	277.6	18,500 *	48.9	283.5	20,100 *	54.4	290.6	22,700 *										145
150	36.0	257.8	15,200 *	42.9	272.4	17,600 *	46.6	279.0	19,100 *	52.3	286.8	21,700 *	57.4	291.5	23,800 *							150
155	33.0	250.6	14,400 *	40.4	266.8	16,700 *	44.3	274.1	18,200 *	50.1	282.8	20,700 *	55.4	288.2	22,900 *							155
160	29.8	242.4	13,700 *	37.7	260.7	15,900 *	41.8	268.7	17,300 *	47.9	278.5	19,700 *	53.3	284.6	21,900 *							160
170	22.1	221.8	12,200 *	31.8	246.3	14,300 *	36.5	256.4	15,600 *	43.2	268.7	17,800 *	49.0	276.5	20,100 *							170
180	9.8	186.9	10,700 *	24.7	227.6	12,800 *	30.3	241.2	14,100 *	38.0	257.0	16,100 *	44.3	267.1	18,300 *	49.9	273.0	20,000				180
190				14.6	199.6	11,200 *	22.8	221.2	12,500 *	32.1	242.7	14,600 *	39.3	255.9	16,600 *	45.3	263.9	18,500 *				190
200							11.2	188.5	10,900 *	25.1	224.4	13,000 *	33.6	242.4	15,000 *	40.3	253.1	16,900 *	46.0	259.2	15,300	200
210										15.3	197.1	11,300 *	26.9	225.2	13,500 *	34.8	240.1	15,300 *	41.1	248.7	14,100	210
220													18.1	201.1	11,700 *	28.4	223.9	13,900 *	35.7	236.1	13,100	220
230																20.2	201.7	12,100 *	29.4	220.4	12,200	230
240																4.1	155.2	10,600 *	21.6	199.5	11,300	240
250																			8.7	162.5	10,400	250

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 70 Ft. Jib

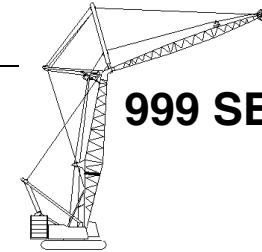
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	57.9	227.2	89,900 *b																			50
55	53.0	223.8	86,600 *b																			55
60	47.6	219.6	83,600 *	61.6	228.2	94,800 *b																60
65	41.8	214.6	79,000 *	56.9	225.2	91,200 *b																65
70	35.2	208.3	72,400 *	51.8	221.6	85,800 *b	60.0	225.9	90,400 b													70
75	27.4	200.1	66,700 *	46.4	217.3	79,200 *	55.1	222.7	83,000 b													75
80	16.4	187.6	53,800 *	40.5	212.0	73,500 *	50.0	218.9	76,700 b													80
85				33.7	205.4	68,500 *	44.4	214.2	71,300	58.7	221.8	66,300 b										85
90				25.3	196.6	64,100 *	38.2	208.5	66,500	53.7	218.5	61,800 b										90
95				12.8	182.1	53,900 *	31.0	201.3	62,200	48.5	214.4	57,900										95
100							21.8	191.2	58,400	42.7	209.5	54,400	57.0	216.3	50,300 b							100
105										36.3	203.5	51,200	51.9	212.8	47,400 b							105
110										28.7	195.6	48,300	46.5	208.4	44,800							110
115										18.4	184.1	45,700	40.6	203.2	42,400							115
120													33.8	196.6	40,200	49.6	205.5	37,000				120
125													25.5	187.8	38,100	44.0	200.8	35,100				125
130													13.2	173.6	36,200	37.8	195.0	33,400				130
135																30.5	187.6	31,900	46.7	196.4	29,200	135
140																21.0	177.2	30,400	40.7	191.2	27,800	140
145																			34.0	184.6	26,600	145
150																			25.7	175.9	25,400	150
155																			13.6	161.9	24,200	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 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	87,600 *b																60
65	49.3	228.5	74,300 *	61.4	236.9	84,400 *b																65
70	44.4	223.9	71,700 *	57.3	233.9	81,400 *b	64.1	237.2	86,700 *b													70
75	39.0	218.2	66,300 *	52.9	230.4	78,300 *	60.0	234.5	82,700 b													75
80	32.9	211.4	61,400 *	48.3	226.3	73,000 *	55.8	231.4	76,400 b													80
85	25.6	202.4	57,100 *	43.3	221.4	68,000 *	51.3	227.7	71,000	62.9	233.3	65,900 b										85
90	15.3	189.0	47,200 *	37.7	215.6	63,600 *	46.6	223.3	66,200	58.8	230.5	61,400 b										90
95				31.4	208.3	59,700 *	41.4	218.2	62,000	54.5	227.2	57,500										95
100				23.7	198.7	56,200 *	35.7	211.9	58,200	50.0	223.3	54,000										100
105				11.9	183.2	47,600 *	29.0	204.0	54,800	45.2	218.8	50,900	57.3	225.0	47,000 b							105
110							20.4	193.1	51,700	39.9	213.3	48,000	53.0	221.5	44,300							110
115										33.9	206.6	45,500	48.4	217.4	42,000							115
120										26.8	198.1	43,100	43.4	212.6	39,800							120
125										17.2	185.7	40,900	37.9	206.7	37,800	51.0	214.3	34,700				125
130													31.6	199.5	36,000	46.2	209.9	33,000				130
135													23.9	190.0	34,300	41.0	204.7	31,500				135
140													12.3	174.7	32,700	35.2	198.3	30,000				140
145																28.4	190.2	28,700	43.5	200.6	26,200	145
150																19.6	179.0	27,400	38.0	194.7	25,000	150
155																			31.7	187.6	23,900	155
160																			24.1	178.1	22,900	160

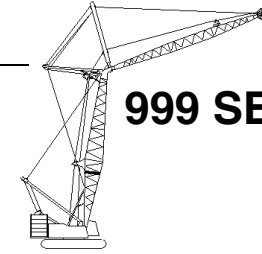
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 90 Ft. Jib

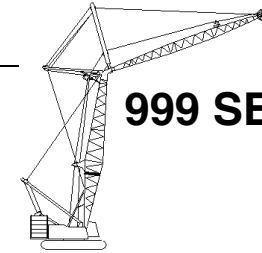
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.1	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	79,000 *b																60
65	54.6	241.2	67,200 *	64.8	248.1	76,200 *b																65
70	50.6	237.4	64,900 *	61.3	245.5	73,500 *b	67.1	248.2	77,700 *b													70
75	46.3	233.0	62,800 *	57.6	242.6	70,900 *	63.6	245.9	75,300 *b													75
80	41.7	227.8	60,100 *	53.7	239.1	68,500 *	60.0	243.2	72,900 *													80
85	36.7	221.7	56,100 *	49.7	235.2	66,200 *	56.3	240.1	70,600 *													85
90	31.0	214.2	52,400 *	45.3	230.6	63,300 *	52.3	236.5	66,000	62.6	241.9	61,200 b										90
95	24.1	204.6	49,100 *	40.7	225.2	59,400 *	48.2	232.3	61,800	59.0	239.1	57,200										95
100	14.4	190.3	42,000 *	35.5	218.9	55,900 *	43.8	227.5	58,000	55.2	235.9	53,800										100
105				29.6	211.0	52,700 *	38.9	221.8	54,700	51.2	232.2	50,600										105
110				22.3	200.8	49,000 *	33.6	215.0	51,600	47.0	227.8	47,800	57.6	233.7	44,100							110
115				11.3	184.2	42,500 *	27.3	206.5	48,900	42.4	222.8	45,300	53.8	230.3	41,700							115
120							19.2	194.8	46,300	37.5	216.8	42,900	49.7	226.3	39,600							120
125										31.9	209.6	40,800	45.4	221.8	37,600							125
130										25.2	200.4	38,800	40.8	216.4	35,800	52.1	223.1	32,800				130
135										16.2	187.2	37,000	35.6	210.1	34,100	47.9	218.9	31,200				135
140													29.7	202.3	32,500	43.4	214.0	29,800				140
145													22.5	192.1	31,100	38.6	208.3	28,500				145
150													11.6	175.7	29,700	33.2	201.4	27,200	45.5	209.7	24,800	150
155																26.8	192.7	26,100	40.9	204.4	23,700	155
160																18.5	180.7	24,900	35.7	198.1	22,700	160
170																22.7	180.2	20,900	22.7	180.2	20,900	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

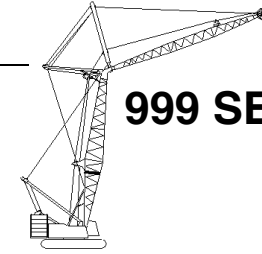
160 Ft. Boom, 100 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	73,300 *b																60
65	58.6	253.2	62,300 *	67.5	259.0	70,700 *b																65
70	55.1	249.9	59,900 *	64.4	256.8	68,100 *																70
75	51.6	246.2	57,700 *	61.1	254.2	65,600 *	66.4	256.9	69,600 *b													75
80	47.8	242.0	55,700 *	57.8	251.2	63,200 *	63.3	254.6	67,300 *													80
85	43.8	237.1	53,800 *	54.4	247.9	60,900 *	60.0	251.8	65,000 *													85
90	39.5	231.5	50,500 *	50.8	244.0	58,800 *	56.6	248.8	62,800 *													90
95	34.7	224.9	47,400 *	46.9	239.7	56,700 *	53.1	245.2	60,600 *	62.3	250.6	56,800										95
100	29.3	216.9	44,500 *	42.9	234.7	54,800 *	49.5	241.2	57,700	59.1	247.8	53,300										100
105	22.8	206.7	41,800 *	38.5	228.8	52,300 *	45.6	236.7	54,300	55.7	244.6	50,200										105
110	13.7	191.5	37,400 *	33.6	222.0	48,700 *	41.4	231.4	51,300	52.1	241.0	47,400										110
115				28.0	213.6	45,500 *	36.9	225.2	48,600	48.4	236.8	44,900	57.9	242.3	41,300							115
120				21.1	202.7	42,600 *	31.8	217.9	46,100	44.4	232.0	42,600	54.4	239.0	39,100							120
125				10.7	185.1	38,000 *	25.8	208.8	43,800	40.2	226.5	40,500	50.8	235.2	37,200							125
130							18.2	196.5	41,700 *	35.5	220.1	38,500	47.0	230.8	35,400							130
135										30.2	212.4	36,700	43.0	225.8	33,700							135
140										23.9	202.6	35,100	38.6	220.0	32,200	52.9	231.9	30,800				140
145										15.4	188.6	33,500	33.7	213.2	30,800	49.2	227.8	29,400				145
150													28.2	204.8	29,400	45.3	223.2	28,000				150
155													21.3	194.0	28,200	41.1	217.9	26,800				155
160													11.0	176.7	26,900	36.5	211.7	25,700	47.1	218.8	23,300	160
170																31.4	204.3	24,600	43.1	213.8	22,300	170
180																17.6	182.3	22,600	33.8	201.2	20,500	180
																			21.5	182.1	18,900	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 110 Ft. Jib

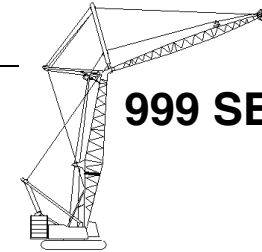
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	73.0	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	65,900 *b																65
70	58.7	261.9	57,500 *	66.8	267.7	64,000 *																70
75	55.6	258.6	55,500 *	64.0	265.4	62,100 *																75
80	52.4	255.0	53,500 *	61.0	262.8	60,200 *	65.9	265.6	63,100 *													80
85	49.0	250.9	51,700 *	58.0	259.9	58,200 *	63.0	263.2	61,400 *													85
90	45.5	246.3	48,800 *	54.9	256.6	56,200 *	60.0	260.5	59,700 *													90
95	41.7	241.0	45,900 *	51.6	252.9	54,300 *	56.9	257.4	57,800 *													95
100	37.6	235.0	43,200 *	48.2	248.7	52,500 *	53.8	254.0	55,900 *	62.1	259.3	53,300										100
105	33.1	227.9	40,700 *	44.6	243.9	50,800 *	50.5	250.1	54,100 *	59.1	256.5	50,200										105
110	28.0	219.5	38,400 *	40.8	238.5	49,100 *	47.0	245.7	51,300	56.1	253.3	47,400										110
115	21.8	208.7	36,500 *	36.6	232.2	46,700 *	43.3	240.7	48,600	52.9	249.7	44,900										115
120	13.0	192.7	34,300 *	32.0	224.9	43,800 *	39.4	235.1	46,100	49.5	245.7	42,600										120
125				26.7	216.0	41,100 *	35.1	228.5	43,800	46.0	241.2	40,500	55.0	247.7	37,100							125
130				20.1	204.5	38,800 *	30.3	220.7	41,700	42.3	236.0	38,500	51.7	244.0	35,300							130
135				10.2	186.0	34,600 *	24.6	211.1	39,800	38.2	230.1	36,700	48.3	239.8	33,700							135
140							17.3	198.0	38,000 *	33.8	223.2	35,100	44.7	235.0	32,200							140
145										28.8	215.0	33,500	40.9	229.7	30,800	50.2	236.7	28,000				145
150										22.8	204.6	32,100	36.7	223.4	29,400	46.8	232.3	26,800				150
155										14.7	189.9	30,700	32.1	216.1	28,200	43.1	227.3	25,700				155
160													26.8	207.3	27,000	39.1	221.5	24,600				160
170													10.5	177.7	24,900	29.9	207.0	22,700	41.0	217.6	20,500	170
180																16.7	183.8	20,900	32.2	204.2	18,900	180
190																			20.5	184.0	17,500	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 120 Ft. Jib

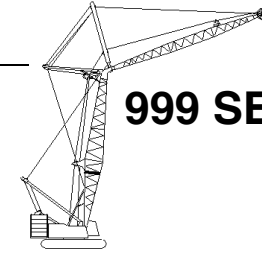
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.5	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	52,900 *																75
80	56.0	267.3	45,600 *	63.6	274.1	51,200 *	68.0	276.5	52,800 *													80
85	53.0	263.8	44,000 *	61.0	271.5	49,500 *	65.4	274.3	52,100 *													85
90	50.0	259.8	42,400 *	58.2	268.6	47,700 *	62.7	271.9	50,500 *													90
95	46.8	255.3	40,900 *	55.3	265.3	46,000 *	60.0	269.2	48,900 *													95
100	43.4	250.4	39,500 *	52.4	261.6	44,400 *	57.2	266.1	47,200 *													100
105	39.8	244.7	38,200 *	49.3	257.6	42,800 *	54.3	262.7	45,600 *	62.0	267.9	49,300 *										105
110	35.9	238.3	36,700 *	46.1	253.0	41,300 *	51.3	258.9	44,000 *	59.2	265.1	47,000 *										110
115	31.6	230.8	34,800 *	42.6	247.9	39,900 *	48.2	254.7	42,500 *	56.4	262.0	44,500 *										115
120	26.7	221.9	33,000 *	39.0	242.1	38,600 *	44.9	250.0	41,100 *	53.5	258.5	42,200 *										120
125	20.8	210.5	31,500 *	35.0	235.5	37,400 *	41.4	244.6	39,700 *	50.4	254.6	40,100 *										125
130	12.5	193.8	30,300 *	30.6	227.7	36,300 *	37.7	238.6	38,400 *	47.3	250.2	38,200 *	55.4	256.4	34,900 *							130
135				25.5	218.4	35,200 *	33.6	231.6	37,200 *	43.9	245.3	36,400 *	52.4	252.8	33,300 *							135
140				19.3	206.2	34,400 *	29.0	223.3	36,200 *	40.4	239.8	34,700 *	49.4	248.7	31,800 *							140
145				9.7	186.9	31,000 *	23.6	213.2	35,200 *	36.5	233.5	33,200 *	46.1	244.2	30,400 *							145
150							16.6	199.5	34,000 *	32.3	226.2	31,800 *	42.7	239.1	29,100 *	51.1	245.5	26,400 *				150
155										27.5	217.5	30,500 *	39.1	233.3	27,800 *	48.0	241.3	25,300 *				155
160										21.8	206.6	29,200 *	35.1	226.7	26,700 *	44.7	236.5	24,200 *				160
170													25.7	209.6	24,600 *	37.4	225.0	22,300 *	46.2	232.1	20,000 *	170
180													10.0	178.6	22,700 *	28.6	209.6	20,600 *	39.2	221.3	18,500 *	180
190																16.0	185.2	19,000 *	30.8	207.0	17,100 *	190
200																			19.6	185.7	15,800 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 130 Ft. Jib

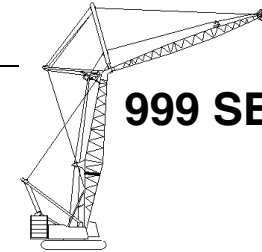
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	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	47,800 *													85
90	53.6	272.5	39,200 *	60.9	280.2	44,100 *	65.0	283.0	46,400 *													90
95	50.8	268.6	37,800 *	58.3	277.2	42,500 *	62.5	280.6	45,000 *													95
100	47.9	264.3	36,500 *	55.7	274.0	41,100 *	60.0	277.8	43,600 *													100
105	44.8	259.6	35,200 *	53.0	270.4	39,600 *	57.4	274.8	42,100 *													105
110	41.6	254.3	34,000 *	50.2	266.4	38,200 *	54.8	271.4	40,700 *	61.8	276.6	43,900 *										110
115	38.2	248.3	32,800 *	47.2	262.0	36,900 *	52.0	267.7	39,300 *	59.3	273.8	42,700 *										115
120	34.5	241.5	31,800 *	44.2	257.2	35,600 *	49.2	263.6	38,000 *	56.7	270.7	41,500 *										120
125	30.4	233.6	30,400 *	40.9	251.7	34,400 *	46.2	259.1	36,700 *	54.0	267.2	39,800 *										125
130	25.7	224.2	29,000 *	37.4	245.6	33,200 *	43.0	254.0	35,400 *	51.2	263.4	37,900 *										130
135	20.0	212.3	27,700 *	33.6	238.6	32,100 *	39.7	248.3	34,200 *	48.3	259.2	36,100 *	55.8	265.1	33,000							135
140	12.0	194.9	26,800 *	29.4	230.4	31,100 *	36.1	241.9	33,100 *	45.3	254.5	34,500	53.0	261.5	31,500							140
145				24.5	220.6	30,200 *	32.2	234.5	32,000 *	42.1	249.2	33,000	50.2	257.6	30,100							145
150				18.5	207.9	29,400 *	27.8	225.9	31,000 *	38.7	243.4	31,600	47.3	253.2	28,800							150
155				9.4	187.8	27,700 *	22.6	215.2	30,100 *	35.1	236.7	30,300	44.2	248.3	27,600	51.8	254.3	25,000				155
160							15.9	201.0	29,400 *	31.0	229.0	29,000	41.0	242.9	26,400	49.0	250.2	23,900				160
170										20.9	208.5	26,800	33.7	229.8	24,400	42.8	240.5	22,000				170
180													24.6	211.9	22,500	35.9	228.3	20,300	44.3	236.3	18,200	180
190													9.6	179.4	20,800	27.5	212.1	18,800	37.6	224.8	16,800	190
200																15.4	186.6	17,400	29.6	209.7	15,600	200
210																			18.8	187.4	14,400	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 140 Ft. Jib

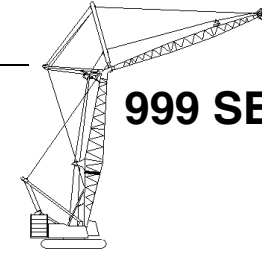
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.6	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	42,500 *													90
95	54.1	281.2	34,500 *	60.8	288.8	38,900 *	64.6	291.7	41,100 *													95
100	51.5	277.4	33,200 *	58.4	285.9	37,500 *	62.3	289.2	39,800 *													100
105	48.8	273.3	31,900 *	56.0	282.7	36,100 *	60.0	286.5	38,400 *													105
110	46.0	268.7	30,700 *	53.5	279.1	34,800 *	57.6	283.5	37,100 *													110
115	43.1	263.6	29,500 *	50.9	275.3	33,400 *	55.1	280.1	35,800 *	61.7	285.3	38,800 *										115
120	40.1	258.0	28,400 *	48.2	271.0	32,200 *	52.6	276.5	34,400 *	59.3	282.5	37,600 *										120
125	36.8	251.7	27,400 *	45.4	266.3	31,000 *	50.0	272.5	33,200 *	56.9	279.3	36,500 *										125
130	33.2	244.5	26,400 *	42.5	261.1	29,800 *	47.3	268.1	31,900 *	54.4	275.9	35,300 *										130
135	29.2	236.3	25,400 *	39.3	255.4	28,700 *	44.4	263.2	30,700 *	51.9	272.2	34,100 *										135
140	24.7	226.4	24,600 *	36.0	248.9	27,600 *	41.4	257.8	29,600 *	49.2	268.1	32,900 *	56.1	273.8	31,100							140
145	19.3	214.1	23,900 *	32.4	241.5	26,600 *	38.2	251.8	28,500 *	46.5	263.5	31,700 *	53.6	270.3	29,700							145
150	11.5	195.9	23,300 *	28.3	233.0	25,700 *	34.8	245.1	27,400 *	43.6	258.5	30,600 *	51.0	266.4	28,400							150
155				23.6	222.7	24,800 *	31.0	237.4	26,500 *	40.5	253.0	29,500 *	48.3	262.2	27,200							155
160				17.8	209.5	24,100 *	26.8	228.3	25,600 *	37.3	246.8	28,400 *	45.5	257.5	26,100	52.4	263.1	23,500				160
170							15.4	202.3	24,000 *	29.9	231.7	26,400 *	39.4	246.5	24,000	47.1	254.6	21,600				170
180										20.2	210.3	24,500	32.4	232.7	22,200	41.2	244.3	19,900				180
190													23.7	214.0	20,500	34.5	231.5	18,400	42.6	240.3	16,400	190
200													9.3	180.3	19,000	26.5	214.5	17,100	36.1	228.1	15,200	200
210																14.8	187.9	15,800	28.5	212.3	14,100	210
220																			18.1	189.1	13,000	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 150 Ft. Jib

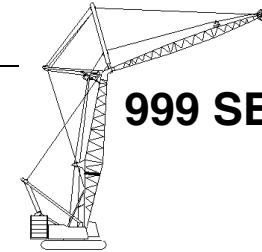
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.7	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	37,800 *													95
100	54.5	290.0	30,400 *	60.8	297.5	34,500 *	64.3	300.4	36,500 *													100
105	52.1	286.2	29,100 *	58.5	294.6	33,100 *	62.2	297.9	35,300 *													105
110	49.6	282.2	27,900 *	56.3	291.4	31,800 *	60.0	295.2	34,000 *													110
115	47.1	277.7	26,800 *	54.0	287.9	30,600 *	57.8	292.1	32,700 *													115
120	44.4	272.8	25,700 *	51.6	284.1	29,300 *	55.5	288.8	31,500 *	61.6	293.9	34,300 *										120
125	41.6	267.5	24,700 *	49.1	279.9	28,100 *	53.1	285.2	30,300 *	59.4	291.1	33,300 *										125
130	38.6	261.6	23,700 *	46.5	275.4	27,000 *	50.7	281.3	29,100 *	57.1	288.0	32,100 *										130
135	35.5	254.9	22,700 *	43.8	270.4	25,900 *	48.2	277.1	27,900 *	54.8	284.6	31,000 *										135
140	32.0	247.4	21,800 *	41.0	264.9	24,900 *	45.6	272.4	26,800 *	52.5	281.0	29,900 *										140
145	28.2	238.8	21,000 *	38.0	258.9	23,900 *	42.8	267.2	25,700 *	50.0	276.9	28,800 *	56.3	282.5	29,600							145
150	23.9	228.6	20,200 *	34.7	252.1	22,900 *	39.9	261.6	24,700 *	47.5	272.6	27,700 *	54.0	279.0	28,300							150
155	18.6	215.7	19,500 *	31.2	244.4	22,000 *	36.9	255.2	23,700 *	44.8	267.8	26,600 *	51.6	275.2	27,100							155
160	11.2	196.9	18,900 *	27.3	235.4	21,200 *	33.6	248.2	22,700 *	42.0	262.5	25,500 *	49.1	271.1	26,000							160
170				17.2	211.0	19,700 *	25.8	230.6	21,000 *	36.0	250.1	23,600 *	43.9	261.6	23,900	50.5	267.9	21,500				170
180				14.8	203.7	19,600 *	28.8	234.4	21,800 *	28.8	234.4	21,800 *	38.0	250.0	22,100	45.4	258.9	19,800				180
190										19.5	212.1	20,200 *	31.3	235.6	20,500	39.7	248.0	18,400	46.6	254.5	16,300	190
200													22.9	216.1	19,000	33.3	234.5	17,000	41.1	244.1	15,100	200
210													9.0	181.1	17,700	25.5	216.8	15,800	34.9	231.3	14,000	210
220																14.3	189.2	14,700	27.5	214.8	13,000	220
230																			17.5	190.6	12,000	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 160 Ft. Jib

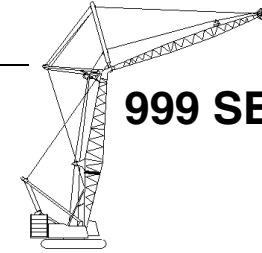
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.7	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	30,800 *													110
115	50.3	291.0	23,900 *	56.5	300.1	27,500 *	60.0	303.8	29,600 *													115
120	47.9	286.7	22,900 *	54.3	296.6	26,300 *	57.9	300.8	28,400 *													120
125	45.5	282.0	21,800 *	52.1	292.9	25,200 *	55.8	297.5	27,200 *	61.5	302.6	30,000 *										125
130	42.9	276.9	20,800 *	49.8	288.8	24,000 *	53.6	294.0	26,000 *	59.4	299.8	28,900 *										130
135	40.2	271.2	19,900 *	47.4	284.4	23,000 *	51.3	290.1	24,900 *	57.3	296.7	27,800 *										135
140	37.4	265.0	19,000 *	44.9	279.6	21,900 *	49.0	286.0	23,800 *	55.2	293.3	26,800 *										140
145	34.3	258.1	18,100 *	42.3	274.4	20,900 *	46.6	281.4	22,700 *	52.9	289.7	25,700 *										145
150	31.0	250.3	17,300 *	39.6	268.6	20,000 *	44.0	276.5	21,700 *	50.7	285.8	24,600 *	56.6	291.2	26,900 *							150
155	27.3	241.3	16,600 *	36.7	262.2	19,100 *	41.4	271.1	20,700 *	48.3	281.5	23,600 *	54.4	287.7	26,000 *							155
160	23.1	230.7	15,900 *	33.6	255.1	18,200 *	38.6	265.1	19,800 *	45.9	276.9	22,500 *	52.2	284.0	25,000 *							160
170	10.8	197.9	14,700 *	26.4	237.8	16,600 *	32.5	251.1	18,100 *	40.6	266.2	20,600 *	47.5	275.6	23,100 *							170
180				16.7	212.5	15,300 *	25.0	232.9	16,500 *	34.8	253.3	18,800 *	42.4	265.5	21,200 *	48.8	272.6	19,400				180
190							14.4	204.9	15,200 *	27.9	236.9	17,200 *	36.8	253.4	19,400 *	43.9	263.0	18,000				190
200										18.9	213.7	15,800 *	30.3	238.3	17,800 *	38.4	251.6	16,600	45.0	258.7	14,700	200
210													22.2	218.0	16,300 *	32.2	237.5	15,400	39.7	247.8	13,600	210
220													8.7	181.8	15,100 *	24.7	219.0	14,400	33.7	234.4	12,600	220
230																13.9	190.5	13,300	26.6	217.2	11,700	230
240																			16.9	192.1	10,800	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

160 Ft. Boom, 170 Ft. Jib

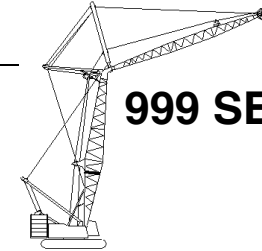
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.6	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	26,300 *										130
135	44.1	286.1	17,800 *	50.4	297.7	20,700 *	54.0	302.7	22,500 *	59.4	308.4	25,300 *										135
140	41.6	280.7	16,900 *	48.2	293.4	19,700 *	51.9	298.9	21,500 *	57.5	305.4	24,300 *										140
145	39.0	274.8	16,100 *	45.9	288.7	18,800 *	49.7	294.9	20,500 *	55.4	302.0	23,200 *										145
150	36.2	268.3	15,300 *	43.5	283.7	17,800 *	47.4	290.4	19,500 *	53.4	298.5	22,200 *										150
155	33.3	261.1	14,500 *	41.0	278.2	17,000 *	45.1	285.7	18,500 *	51.2	294.6	21,200 *	56.8	299.9	23,400 *							155
160	30.0	253.0	13,800 *	38.4	272.1	16,100 *	42.7	280.5	17,600 *	49.1	290.4	20,200 *	54.7	296.4	22,600 *							160
170	22.4	232.7	12,300 *	32.6	258.1	14,600 *	37.4	268.6	15,900 *	44.4	281.0	18,400 *	50.5	288.8	20,700 *							170
180	10.5	198.8	10,800 *	25.6	240.1	13,100 *	31.5	254.0	14,400 *	39.4	269.9	16,600 *	46.0	279.9	18,900 *	51.7	285.6	19,200				180
190				16.2	214.0	11,400 *	24.2	235.1	12,800 *	33.7	256.4	15,000 *	41.1	269.3	17,200 *	47.3	277.0	17,700				190
200							13.9	206.2	11,200 *	27.0	239.3	13,600 *	35.6	256.7	15,600 *	42.5	267.0	16,400				200
210										18.3	215.4	11,800 *	29.4	241.0	14,100 *	37.2	255.0	15,200	43.6	262.8	13,300	210
220													21.5	220.0	12,400 *	31.2	240.3	14,100	38.5	251.3	12,300	220
230													24.0	221.2	10,800 *	32.7	237.4	13,000 *	32.7	237.4	11,400	230
240													8.4	182.6		13.4	191.7	11,300 *	25.8	219.5	10,600	240
250																			16.4	193.6	9,800	250



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 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 Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
50	58.3	237.4	89,400 *b																			50
55	53.3	234.0	86,200 *b																			55
60	48.0	229.9	83,300 *b																			60
65	42.2	224.9	77,600 *	58.0	235.9	90,200 *b																65
70	35.7	218.8	71,100 *	53.1	232.5	84,700 *b	61.6	236.7	89,300 *b													70
75	28.0	210.7	65,500 *	47.8	228.4	78,200 *	56.9	233.7	82,200 b													75
80	17.3	198.8	55,100 *	42.0	223.3	72,600 *	51.8	230.1	76,000 b													80
85				35.4	217.1	67,600 *	46.4	225.8	70,600	61.1	233.0	65,200 b										85
90				27.6	208.9	63,200 *	40.5	220.5	65,800	56.3	229.9	60,800 b										90
95				16.7	196.6	58,200 *	33.7	213.9	61,600	51.2	226.3	56,900 b										95
100							25.3	205.1	57,900	45.8	221.9	53,500										100
105							12.8	190.6	54,400	39.7	216.4	50,400	55.4	224.7	46,200 b							105
110										32.8	209.6	47,500	50.3	220.9	43,600 b							110
115										24.2	200.4	45,000	44.7	216.3	41,300							115
120										10.5	184.5	42,600	38.6	210.7	39,200							120
125													31.4	203.5	37,200	48.8	213.9	33,900				125
130													22.3	193.7	35,400	43.1	209.0	32,300				130
135													4.9	173.0	33,600	36.7	203.0	30,800				135
140																29.2	195.3	29,300	46.7	205.1	26,600	140
145																19.2	184.2	28,000	40.7	199.8	25,400	145
150																			34.0	193.3	24,200	150
155																			25.7	184.6	23,200	155
160																			13.6	170.6	22,100	160

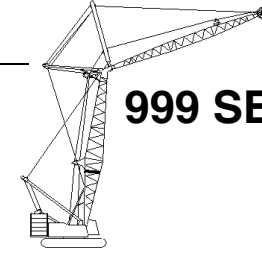
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 80 Ft. Jib

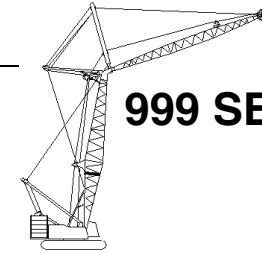
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
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	86,300 *b																60
65	49.6	238.8	73,900 *	62.4	247.4	84,500 *b																65
70	44.7	234.2	68,900 *	58.3	244.6	81,600 *b	65.4	247.9	85,900 *b													70
75	39.4	228.7	64,200 *	54.0	241.2	77,700 *	61.4	245.4	81,900 b													75
80	33.4	221.9	59,900 *	49.4	237.3	72,100 *	57.3	242.4	75,600 b													80
85	26.1	213.1	56,000 *	44.5	232.6	67,100 *	52.9	238.9	70,200													85
90	16.2	200.2	48,300 *	39.1	227.0	62,800 *	48.3	234.8	65,500	61.0	241.6	60,400 b										90
95				33.1	220.2	58,900 *	43.3	229.9	61,300	56.8	238.6	56,500 b										95
100				25.8	211.3	55,400 *	37.7	224.1	57,600	52.4	235.1	53,100										100
105				15.6	198.1	51,200 *	31.4	216.8	54,300	47.7	230.9	50,000										105
110							23.7	207.2	51,200	42.7	225.9	47,200	56.0	233.4	43,200							110
115							12.0	191.7	48,400	37.1	219.9	44,700	51.6	229.7	40,900							115
120										30.6	212.5	42,400	46.8	225.4	38,800							120
125										22.7	202.5	40,200	41.7	220.3	36,800							125
130										9.8	185.3	38,200	36.0	214.0	35,100	50.3	222.7	31,800				130
135													29.3	206.2	33,400	45.5	218.2	30,300				135
140													20.9	195.6	31,800	40.2	212.8	28,900				140
145													4.6	173.5	30,300	34.3	206.2	27,600				145
150																27.3	197.8	26,400	43.5	209.2	23,800	150
155																17.9	185.8	25,300	38.0	203.4	22,800	155
160																			31.7	196.2	21,800	160
170																			12.7	171.7	20,000	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 90 Ft. Jib

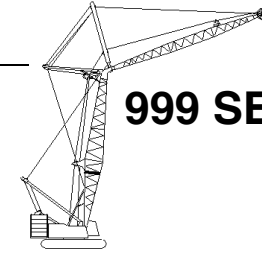
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.3	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	78,300 *b																60
65	54.8	251.5	67,000 *	65.7	258.5	76,100 *b																65
70	50.9	247.7	64,700 *b	62.1	256.1	73,500 *b																70
75	46.6	243.3	61,500 *	58.5	253.3	71,100 *	64.8	256.6	75,400 *b													75
80	42.1	238.2	57,600 *	54.7	250.0	68,700 *	61.3	254.0	73,200 *b													80
85	37.1	232.1	53,900 *	50.7	246.1	66,500 *	57.6	251.1	70,000													85
90	31.4	224.8	50,500 *	46.4	241.7	62,500 *	53.7	247.6	65,300													90
95	24.6	215.4	47,600 *	41.8	236.6	58,600 *	49.7	243.7	61,100	60.9	250.3	56,200 b										95
100	15.3	201.6	42,900 *	36.8	230.5	55,200 *	45.3	239.1	57,400	57.1	247.3	52,800										100
105				31.1	223.0	52,000 *	40.7	233.7	54,100	53.3	243.8	49,700										105
110				24.3	213.5	49,200 *	35.5	227.4	51,100	49.2	239.8	47,000										110
115				14.7	199.4	45,600 *	29.6	219.5	48,400	44.8	235.1	44,500	56.4	242.1	40,600							115
120							22.3	209.3	45,900	40.1	229.7	42,200	52.5	238.5	38,500							120
125							11.3	192.7	43,500	34.9	223.2	40,100	48.4	234.4	36,600							125
130										28.9	215.1	38,200	44.0	229.6	34,800							130
135										21.3	204.5	36,400	39.2	223.9	33,200	51.4	231.6	30,100				135
140										9.3	186.2	34,600	33.9	217.2	31,700	47.2	227.3	28,700				140
145													27.6	208.8	30,300	42.7	222.3	27,400				145
150													19.7	197.4	28,900	37.8	216.3	26,200				150
155													4.3	173.9	27,600	32.2	209.2	25,100	45.5	218.4	22,500	155
160																25.7	200.2	24,000	40.9	213.1	21,600	160
170																			29.9	199.0	19,800	170
180																			11.9	172.8	18,200	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 100 Ft. Jib

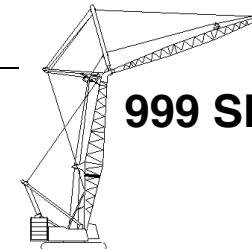
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	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	70,600 *b																65
70	55.4	260.2	59,800 *	65.1	267.3	68,200 *b																70
75	51.8	256.5	57,600 *	61.9	264.8	65,800 *	67.5	267.5	69,700 *b													75
80	48.1	252.3	55,100 *	58.6	261.9	63,500 *	64.4	265.3	67,600 *													80
85	44.1	247.5	51,800 *	55.2	258.7	61,200 *	61.1	262.7	65,400 *													85
90	39.8	241.9	48,600 *	51.6	254.9	59,100 *	57.8	259.7	63,300 *													90
95	35.1	235.4	45,700 *	47.9	250.7	57,100 *	54.4	256.4	60,800													95
100	29.8	227.5	43,000 *	43.9	245.9	54,700 *	50.8	252.5	57,100	60.8	259.0	52,400										100
105	23.3	217.5	40,500 *	39.6	240.3	51,600 *	46.9	248.2	53,800	57.4	256.0	49,300										105
110	14.5	202.9	38,200 *	34.9	233.7	48,800 *	42.9	243.2	50,800	54.0	252.6	46,600										110
115				29.5	225.7	46,200 *	38.5	237.3	48,100	50.3	248.7	44,100										115
120				23.0	215.6	43,300 *	33.6	230.5	45,600	46.5	244.2	41,800	56.8	250.7	38,100							120
125				14.0	200.6	40,600 *	28.0	222.1	43,300	42.4	239.1	39,700	53.3	247.2	36,200							125
130							21.1	211.2	41,300	38.0	233.2	37,800	49.7	243.3	34,400							130
135							10.7	193.6	39,300	33.0	226.2	36,100	45.8	238.7	32,800							135
140										27.3	217.6	34,400	41.6	233.5	31,300	52.3	240.3	28,200				140
145										20.2	206.3	32,900	37.1	227.4	29,900	48.6	236.2	27,000				145
150										8.8	187.0	31,400	32.1	220.1	28,600	44.7	231.5	25,800				150
155													26.2	211.2	27,400	40.4	226.0	24,700				155
160													18.7	199.0	26,200	35.8	219.7	23,700	47.1	227.4	21,100	160
170																24.3	202.4	21,700	38.7	216.7	19,400	170
180																			28.3	201.6	17,900	180
190																			11.3	173.8	16,400	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 110 Ft. Jib

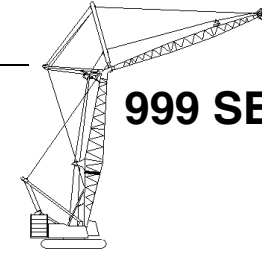
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	73.2	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	55,700 *																75
80	52.6	265.3	49,300 *	61.8	273.4	55,000 *	66.8	276.2	55,900 *													80
85	49.2	261.2	47,600 *	58.8	270.6	53,700 *	64.0	273.9	55,500 *													85
90	45.7	256.6	46,100 *	55.7	267.4	51,900 *	61.0	271.3	55,000 *													90
95	41.9	251.4	43,500 *	52.4	263.7	50,200 *	58.0	268.4	53,400 *													95
100	37.9	245.4	41,100 *	49.1	259.6	48,600 *	54.9	265.1	51,600 *													100
105	33.4	238.5	38,900 *	45.5	255.0	47,000 *	51.6	261.4	50,000 *	60.7	267.6	49,300										105
110	28.3	230.1	36,800 *	41.8	249.8	45,600 *	48.2	257.1	48,500 *	57.7	264.6	46,500										110
115	22.2	219.5	35,000 *	37.7	243.8	44,300 *	44.6	252.4	47,000 *	54.5	261.3	44,000										115
120	13.8	204.2	33,700 *	33.2	236.8	43,100 *	40.8	247.0	45,600	51.3	257.5	41,800										120
125				28.1	228.3	41,900 *	36.6	240.7	43,400	47.8	253.2	39,700	57.1	259.4	36,100							125
130				21.9	217.6	39,800 *	32.0	233.4	41,300	44.2	248.4	37,800	53.9	256.0	34,400							130
135				13.3	201.8	36,500 *	26.7	224.5	39,400	40.4	242.9	36,100	50.7	252.1	32,800							135
140							20.2	213.0	37,600	36.1	236.6	34,400	47.2	247.8	31,300							140
145							10.2	194.6	35,900	31.5	229.1	32,900	43.5	242.8	29,900							145
150										26.0	220.0	31,500	39.6	237.2	28,600	49.7	245.1	25,800				150
155										19.3	208.0	30,200	35.3	230.7	27,400	46.2	240.6	24,700				155
160										8.4	187.7	28,900	30.5	222.9	26,300	42.5	235.5	23,600				160
170													17.8	200.6	24,200	34.1	222.8	21,800	44.8	231.7	19,400	170
180																23.2	204.5	20,100	36.8	220.1	17,900	180
190																		27.0	204.0	16,500		190
200																		10.8	174.8	15,200		200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 120 Ft. Jib

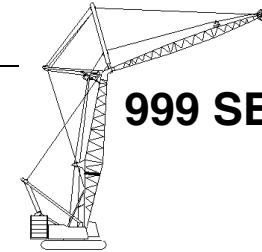
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	51,300 *																80
85	53.2	274.0	44,000 *	61.6	282.1	49,600 *	66.3	285.0	51,600 *													85
90	50.2	270.1	42,400 *	58.9	279.2	48,000 *	63.6	282.6	50,700 *													90
95	47.0	265.7	40,900 *	56.0	276.0	46,300 *	61.0	280.0	49,300 *													95
100	43.7	260.7	39,500 *	53.1	272.5	44,700 *	58.2	277.1	47,700 *													100
105	40.1	255.1	37,500 *	50.1	268.5	43,100 *	55.3	273.8	46,100 *													105
110	36.2	248.8	35,500 *	46.9	264.1	41,600 *	52.4	270.1	44,500 *	60.6	276.3	46,100										110
115	32.0	241.4	33,700 *	43.5	259.1	40,300 *	49.3	266.1	43,000 *	57.9	273.3	43,600										115
120	27.1	232.6	32,100 *	39.9	253.5	38,900 *	46.1	261.5	41,600 *	55.0	270.0	41,400										120
125	21.3	221.4	30,600 *	36.0	247.1	37,700 *	42.6	256.4	40,200 *	52.0	266.3	39,300										125
130	13.2	205.3	29,500 *	31.7	239.7	36,600 *	39.0	250.6	38,900 *	48.9	262.2	37,400	57.3	268.1	33,900							130
135				26.9	230.8	35,500 *	35.0	244.0	37,700 *	45.7	257.6	35,700	54.5	264.7	32,300							135
140				21.0	219.5	34,600 *	30.6	236.2	36,600 *	42.2	252.4	34,100	51.5	260.9	30,900							140
145				12.7	203.0	32,400 *	25.6	226.9	35,600 *	38.6	246.5	32,600	48.4	256.7	29,500							145
150							19.3	214.7	34,200	34.6	239.8	31,200	45.1	252.0	28,200							150
155							9.8	195.4	32,000 *	30.1	231.9	29,900	41.6	246.7	27,000	50.6	254.0	24,200				155
160										24.9	222.3	28,700	37.9	240.7	25,900	47.5	249.6	23,200				160
170										8.0	188.4	26,400	29.2	225.6	23,900	40.6	239.3	21,400				170
180													17.0	202.2	22,000	32.6	225.8	19,700	42.8	235.7	17,500	180
190																22.2	206.5	18,200	35.2	223.3	16,100	190
200																			25.8	206.4	14,900	200
210																			10.3	175.7	13,800	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 130 Ft. Jib

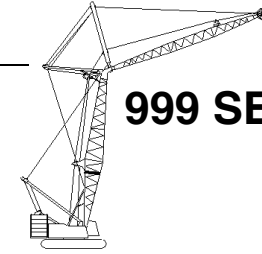
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	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	44,200 *	65.8	293.7	46,600 *													90
95	51.0	278.9	37,800 *	59.0	287.9	42,800 *	63.4	291.3	45,200 *													95
100	48.1	274.6	36,500 *	56.3	284.7	41,300 *	60.9	288.7	43,900 *													100
105	45.1	269.9	35,300 *	53.7	281.2	39,900 *	58.3	285.7	42,500 *													105
110	41.9	264.6	34,100 *	50.9	277.4	38,500 *	55.7	282.5	41,100 *													110
115	38.4	258.7	32,600 *	48.0	273.1	37,200 *	53.0	278.9	39,800 *	60.6	284.9	43,000 *										115
120	34.7	252.0	31,000 *	44.9	268.3	35,900 *	50.2	274.9	38,400 *	58.0	282.0	41,100										120
125	30.7	244.2	29,500 *	41.7	263.0	34,700 *	47.2	270.5	37,100 *	55.4	278.7	39,100										125
130	26.0	234.9	28,200 *	38.3	257.1	33,500 *	44.2	265.7	35,800 *	52.7	275.1	37,200										130
135	20.4	223.3	27,000 *	34.6	250.3	32,500 *	40.9	260.2	34,700 *	49.8	271.1	35,400	57.6	276.8	32,000							135
140	12.7	206.5	26,100 *	30.5	242.4	31,400 *	37.4	254.1	33,500 *	46.9	266.6	33,800	54.9	273.4	30,600							140
145				25.8	233.1	30,500 *	33.6	247.1	32,500 *	43.8	261.7	32,300	52.2	269.7	29,200							145
150				20.1	221.3	29,700 *	29.4	238.9	31,500 *	40.5	256.2	31,000	49.3	265.6	27,900							150
155				12.2	204.1	28,900 *	24.5	229.1	30,500 *	37.0	249.9	29,700	46.3	261.1	26,800							155
160							18.5	216.4	29,700 *	33.2	242.8	28,400	43.2	256.1	25,700	51.4	262.8	22,900				160
170										23.9	224.8	26,200	36.3	244.0	23,600	45.5	253.9	21,100				170
180										7.7	189.1	24,200	28.0	228.2	21,800	38.9	242.9	19,500	47.4	249.8	17,200	180
190													16.4	203.6	20,200	31.3	228.7	18,000	41.0	239.5	15,800	190
200																21.3	208.4	16,700	33.8	226.5	14,700	200
210																			24.8	208.6	13,600	210
220																			9.9	176.6	12,500	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 140 Ft. Jib

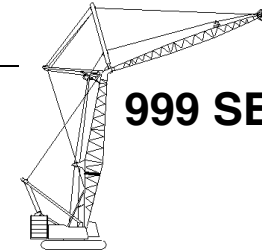
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	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	42,500 *													90	
95	54.2	291.5	34,500 *	61.4	299.4	39,100 *	65.4	302.4	41,300 *													95	
100	51.7	287.7	33,200 *	59.0	296.6	37,700 *	63.1	300.0	40,100 *													100	
105	49.0	283.6	32,000 *	56.6	293.4	36,400 *	60.8	297.3	38,800 *													105	
110	46.2	279.0	30,700 *	54.1	290.0	35,000 *	58.4	294.4	37,500 *													110	
115	43.3	274.0	29,600 *	51.6	286.2	33,800 *	56.0	291.2	36,200 *	62.9	296.3	39,000 *										115	
120	40.3	268.4	28,500 *	48.9	282.0	32,500 *	53.5	287.6	34,900 *	60.6	293.6	38,000 *										120	
125	37.0	262.1	27,500 *	46.1	277.4	31,300 *	50.9	283.8	33,600 *	58.2	290.6	36,900 *										125	
130	33.4	255.0	26,500 *	43.2	272.4	30,100 *	48.2	279.5	32,400 *	55.7	287.4	35,800 *										130	
135	29.5	246.9	25,600 *	40.1	266.8	29,000 *	45.4	274.8	31,200 *	53.2	283.8	34,700 *										135	
140	25.1	237.2	24,700 *	36.8	260.5	27,900 *	42.5	269.6	30,000 *	50.6	279.9	33,400 *	57.7	285.4	30,200							140	
145	19.7	225.0	23,900 *	33.3	253.3	26,900 *	39.3	263.9	29,000 *	47.9	275.6	32,000	55.3	282.1	28,800							145	
150	12.2	207.6	23,200 *	29.3	245.1	26,000 *	36.0	257.4	27,900 *	45.1	270.9	30,600	52.7	278.5	27,500							150	
155				24.8	235.3	25,100 *	32.4	250.0	26,900 *	42.1	265.6	29,300	50.1	274.5	26,400							155	
160				19.4	223.0	24,300 *	28.3	241.5	26,000 *	39.0	259.8	28,100	47.4	270.1	25,300							160	
170							17.8	218.0	24,300 *	31.9	245.7	25,900	41.6	259.9	23,300	49.4	267.5	20,700				170	
180										23.0	226.5	24,000	35.0	247.3	21,500	43.8	258.0	19,100				180	
190										7.4	189.8	22,200		27.0	230.6	19,900	37.5	246.4	17,600	45.5	254.1	15,400	190
200														15.8	205.1	18,400	30.1	231.4	16,300	39.5	243.2	14,200	200
210																	20.5	210.3	15,100	32.5	229.4	13,200	210
220																				23.8	210.8	12,200	220
230																				9.6	177.4	11,200	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 150 Ft. Jib

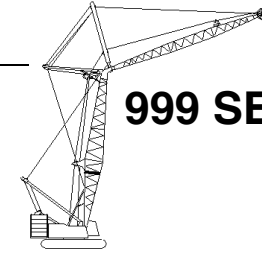
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.8	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	37,900 *													95
100	54.6	300.2	30,400 *	61.3	308.1	34,700 *	65.1	311.1	36,700 *													100
105	52.3	296.5	29,200 *	59.1	305.2	33,400 *	62.9	308.7	35,600 *													105
110	49.8	292.5	28,000 *	56.8	302.1	32,100 *	60.8	306.0	34,300 *													110
115	47.3	288.0	26,900 *	54.5	298.7	30,900 *	58.5	303.1	33,100 *													115
120	44.6	283.2	25,800 *	52.1	295.0	29,600 *	56.3	299.9	31,900 *	62.7	305.0	34,600 *										120
125	41.8	277.9	24,800 *	49.7	290.9	28,500 *	54.0	296.4	30,700 *	60.5	302.3	33,600 *										125
130	38.9	272.0	23,800 *	47.1	286.5	27,300 *	51.6	292.6	29,500 *	58.3	299.3	32,600 *										130
135	35.7	265.4	22,800 *	44.5	281.6	26,200 *	49.1	288.4	28,300 *	56.0	296.1	31,500 *										135
140	32.3	258.0	21,900 *	41.7	276.3	25,200 *	46.5	283.9	27,200 *	53.7	292.6	30,500 *										140
145	28.5	249.5	21,100 *	38.7	270.3	24,200 *	43.8	278.9	26,100 *	51.3	288.7	29,400 *	57.9	294.1	28,700							145
150	24.2	239.4	20,300 *	35.5	263.7	23,200 *	41.0	273.4	25,100 *	48.8	284.5	28,300 *	55.6	290.8	27,400							150
155	19.0	226.7	19,600 *	32.1	256.3	22,300 *	38.0	267.4	24,100 *	46.2	280.0	27,200 *	53.3	287.2	26,300							155
160	11.8	208.6	19,000 *	28.3	247.7	21,400 *	34.7	260.6	23,100 *	43.5	274.9	26,200 *	50.8	283.3	25,200							160
170				18.7	224.7	19,900 *	27.3	243.9	21,400 *	37.6	263.2	24,200 *	45.7	274.4	23,200	52.6	280.3	20,600				170
180							17.2	219.5	19,900 *	30.8	248.5	22,300 *	40.1	263.7	21,400	47.6	272.0	19,000				180
190										22.3	228.5	20,700 *	33.7	250.4	19,800	42.2	262.0	17,500				190
200										7.2	190.4	19,400 *	26.1	233.0	18,400	36.2	249.7	16,200	43.9	258.2	14,100	200
210													15.2	206.4	17,100	29.1	234.1	15,100	38.1	246.7	13,100	210
220																19.8	212.0	14,000	31.4	232.3	12,100	220
230																			23.0	212.8	11,200	230
240																			9.2	178.3	10,400	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 160 Ft. Jib

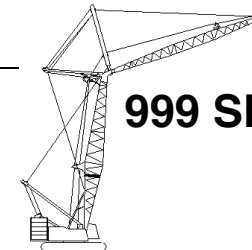
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	332.3	39,300 *																			55
60	73.0	330.9	37,900 *																			60
65	71.1	329.3	36,500 *																			65
70	69.2	327.5	35,200 *																			70
75	67.3	325.5	33,800 *																			75
80	65.3	323.3	32,500 *	71.0	327.8	36,500 *																80
85	63.3	320.9	31,200 *	69.1	326.0	35,200 *																85
90	61.3	318.2	29,900 *	67.2	324.0	34,000 *																90
95	59.2	315.4	28,700 *	65.2	321.8	32,700 *																95
100	57.1	312.3	27,400 *	63.2	319.4	31,500 *	66.7	322.1	33,400 *													100
105	55.0	308.9	26,300 *	61.2	316.8	30,200 *	64.7	319.8	32,200 *													105
110	52.8	305.3	25,100 *	59.1	313.9	29,000 *	62.7	317.3	31,100 *													110
115	50.5	301.3	24,000 *	57.0	310.8	27,800 *	60.7	314.6	29,900 *													115
120	48.1	297.0	22,900 *	54.9	307.4	26,600 *	58.6	311.7	28,700 *													120
125	45.7	292.3	21,900 *	52.7	303.7	25,500 *	56.5	308.5	27,600 *	62.5	313.6	30,300 *										125
130	43.1	287.2	20,900 *	50.4	299.8	24,400 *	54.3	305.1	26,400 *	60.5	310.9	29,300 *										130
135	40.4	281.6	20,000 *	48.0	295.4	23,300 *	52.1	301.4	25,300 *	58.4	308.0	28,300 *										135
140	37.6	275.4	19,100 *	45.5	290.7	22,200 *	49.8	297.3	24,200 *	56.3	304.8	27,300 *										140
145	34.5	268.6	18,200 *	43.0	285.6	21,200 *	47.4	292.9	23,100 *	54.1	301.3	26,200 *										145
150	31.2	260.8	17,400 *	40.3	280.0	20,300 *	44.9	288.1	22,100 *	51.9	297.5	25,200 *	58.0	302.8	27,000							150
155	27.6	252.0	16,700 *	37.4	273.8	19,400 *	42.3	282.9	21,100 *	49.5	293.4	24,100 *	55.9	299.5	25,800							155
160	23.4	241.5	16,000 *	34.4	266.9	18,500 *	39.6	277.1	20,200 *	47.1	289.0	23,100 *	53.7	296.0	24,800							160
170	11.4	209.6	14,800 *	27.4	250.2	16,900 *	33.6	263.6	18,400 *	42.0	278.8	21,200 *	49.1	288.0	22,800							170
180				18.1	226.3	15,500 *	26.4	246.3	16,800 *	36.4	266.6	19,400 *	44.2	278.6	21,000	50.8	285.2	18,500				180
190				16.7	221.0	15,500 *	29.8	251.2	17,700 *	29.8	251.2	17,700 *	38.8	267.2	19,500	46.0	276.3	17,100				190
200										21.5	230.4	16,200 *	32.6	253.3	18,000	40.8	265.7	15,800	47.5	272.2	13,700	200
210										6.9	191.0	15,000 *	25.2	235.2	16,800	35.0	252.9	14,700	42.5	262.2	12,700	210
220													14.7	207.7	15,600 *	28.1	236.6	13,600	36.8	250.1	11,700	220
230																19.2	213.8	12,700	30.4	235.0	10,900	230
240																			22.3	214.8	10,000	240
250																			9.0	179.1	9,300	250



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

170 Ft. Boom, 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	75.8	342.7	35,600 *																			55
60	74.0	341.3	35,000 *																			60
65	72.3	339.8	33,700 *																			65
70	70.5	338.1	32,400 *																			70
75	68.7	336.2	31,200 *																			75
80	66.9	334.2	29,900 *																			80
85	65.0	332.0	28,700 *	70.4	336.7	32,400 *																85
90	63.1	329.5	27,400 *	68.6	334.8	31,200 *																90
95	61.2	326.9	26,300 *	66.8	332.7	30,000 *																95
100	59.3	324.0	25,100 *	64.9	330.5	28,800 *																100
105	57.3	321.0	23,900 *	63.0	328.1	27,700 *	66.3	330.8	29,500 *													105
110	55.3	317.6	22,800 *	61.1	325.4	26,500 *	64.5	328.5	28,400 *													110
115	53.2	314.0	21,800 *	59.2	322.5	25,400 *	62.6	326.0	27,300 *													115
120	51.1	310.1	20,700 *	57.2	319.5	24,200 *	60.7	323.3	26,200 *													120
125	48.9	305.9	19,800 *	55.2	316.1	23,100 *	58.7	320.4	25,100 *													125
130	46.6	301.4	18,800 *	53.1	312.5	22,100 *	56.7	317.2	24,000 *	62.4	322.3	26,700 *										130
135	44.2	296.5	17,900 *	51.0	308.6	21,000 *	54.7	313.8	22,900 *	60.5	319.6	25,700 *										135
140	41.8	291.1	17,000 *	48.8	304.4	20,000 *	52.6	310.1	21,900 *	58.5	316.6	24,700 *										140
145	39.2	285.2	16,200 *	46.5	299.8	19,100 *	50.4	306.2	20,900 *	56.5	313.5	23,800 *										145
150	36.4	278.8	15,400 *	44.1	294.9	18,100 *	48.2	301.9	19,900 *	54.5	310.0	22,800 *										150
155	33.5	271.6	14,600 *	41.6	289.5	17,200 *	45.9	297.2	18,900 *	52.4	306.3	21,800 *										155
160	30.3	263.6	13,900 *	39.0	283.6	16,400 *	43.5	292.2	18,000 *	50.2	302.3	20,800 *	56.1	308.2	23,100 *							160
170	22.7	243.5	12,400 *	33.3	269.9	14,800 *	38.4	280.6	16,300 *	45.7	293.3	18,900 *	52.0	300.9	21,400 *							170
180	11.1	210.6	10,900 *	26.6	252.6	13,400 *	32.6	266.6	14,700 *	40.7	282.6	17,200 *	47.5	292.5	19,600 *							180
190				17.6	227.9	11,700 *	25.6	248.6	13,200 *	35.3	269.8	15,500 *	42.8	282.5	17,900 *	49.2	289.9	16,800				190
200							16.2	222.5	11,500 *	28.9	253.9	14,000 *	37.6	270.7	16,200 *	44.6	280.5	15,600				200
210										20.9	232.3	12,300 *	31.6	256.2	14,700 *	39.5	269.4	14,400	46.0	276.5	12,400	210
220										6.7	191.6	10,800 *	24.5	237.4	13,100 *	33.9	256.0	13,400	41.1	266.0	11,400	220
230													14.3	209.0	11,400 *	27.3	239.1	12,400	35.7	253.4	10,600	230
240																18.6	215.4	11,500	29.4	237.7	9,800	240
250																			21.6	216.8	9,000	250
260																			8.7	179.8	8,300	260

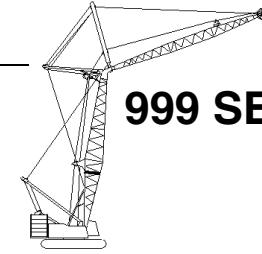
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

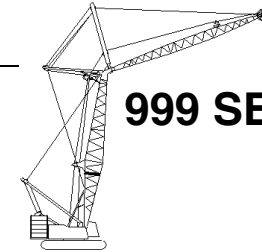
Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



999 SERIES 3

180 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	58.6	247.6	87,600 *b																			50
55	53.7	244.3	85,100 *b																			55
60	48.4	240.2	79,500 *b																			60
65	42.7	235.3	74,100 *	59.2	246.6	87,700 *b																65
70	36.2	229.2	68,500 *	54.3	243.3	81,100 *b																70
75	28.6	221.4	63,100 *	49.1	239.4	74,900 *b	58.5	244.7	81,100 *b													75
80	18.3	209.8	56,300 *	43.4	234.6	69,400 *	53.6	241.3	75,300 *b													80
85				37.1	228.7	64,700 *	48.3	237.2	69,900 b													85
90				29.7	221.1	60,500 *	42.6	232.3	65,200	58.8	241.2	59,800 b										90
95				19.9	210.3	56,700 *	36.1	226.2	61,000	53.9	237.9	56,000 b										95
100							28.5	218.3	57,300	48.7	233.9	52,600 b										100
105							18.1	206.7	53,900	42.9	229.0	49,500										105
110										36.5	223.0	46,700	53.8	232.9	42,500 b							110
115										29.0	215.3	44,200	48.6	228.9	40,300							115
120										18.9	204.0	41,900	42.8	224.0	38,200							120
125													36.4	218.0	36,300							125
130													28.8	210.2	34,500	47.9	222.2	31,200				130
135													18.7	198.8	32,800	42.2	217.2	29,700				135
140																35.6	211.0	28,300				140
145																27.9	203.0	27,000	46.7	213.7	24,200	145
150																17.1	190.9	25,800	40.7	208.5	23,100	150
155																			34.0	201.9	22,100	155
160																			25.7	193.2	21,100	160



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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

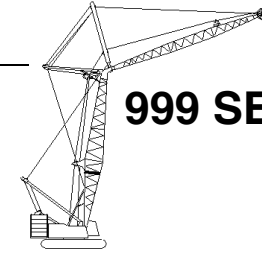
180 Ft. Boom, 80 Ft. Jib

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	
50	62.9	259.1	81,000 *b																			50
55	58.8	256.3	79,100 *b																			55
60	54.5	253.0	75,100 *																			60
65	50.0	249.1	70,400 *	63.4	258.0	83,800 *b																65
70	45.1	244.5	65,900 *	59.3	255.2	80,600 *b																70
75	39.8	239.1	61,700 *	55.0	252.0	74,400 *b	62.8	256.1	79,600 *b													75
80	33.8	232.4	57,700 *	50.6	248.2	69,000 *	58.7	253.3	74,700 *b													80
85	26.7	223.8	54,000 *	45.7	243.8	64,200 *	54.4	250.0	69,500													85
90	17.1	211.4	49,300 *	40.5	238.4	60,000 *	49.9	246.1	64,900													90
95				34.6	231.9	56,300 *	45.0	241.6	60,700	59.0	249.9	55,500 b										95
100				27.7	223.6	53,000 *	39.7	236.1	57,000	54.7	246.6	52,200										100
105				18.6	211.9	49,900 *	33.7	229.4	53,700	50.2	242.8	49,100										105
110							26.6	220.8	50,700	45.3	238.2	46,400										110
115							16.9	208.3	48,000	40.0	232.8	43,900	54.6	241.7	39,800							115
120										34.1	226.2	41,600	50.1	237.8	37,800							120
125										27.1	217.8	39,500	45.2	233.3	35,900							125
130										17.6	205.6	37,600	40.0	227.8	34,100							130
135													34.0	221.2	32,500	49.6	231.1	29,200				135
140													26.9	212.7	31,000	44.7	226.5	27,900				140
145													17.4	200.4	29,600	39.3	220.9	26,600				145
150																33.3	214.1	25,500				150
155																26.0	205.4	24,400	43.5	217.9	21,700	155
160																16.0	192.3	23,300	38.0	212.1	20,700	160
170																			24.1	195.4	19,000	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 90 Ft. Jib

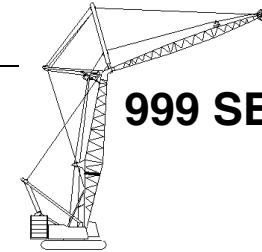
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	66.1	270.2	74,100 *b																			50
55	62.6	267.8	71,500 *b																			55
60	58.9	265.0	69,000 *																			60
65	55.1	261.7	66,600 *	66.5	269.0	75,900 *b																65
70	51.1	258.0	62,800 *	63.0	266.7	73,400 *b																70
75	46.9	253.6	59,000 *	59.4	263.9	71,100 *	66.1	267.2	75,200 *b													75
80	42.4	248.6	55,400 *	55.6	260.7	68,600 *	62.5	264.8	73,200 *b													80
85	37.4	242.6	52,000 *	51.7	257.0	63,900 *	58.9	262.0	69,300 *													85
90	31.8	235.3	48,900 *	47.5	252.8	59,700 *	55.1	258.7	64,600													90
95	25.1	226.1	46,000 *	43.0	247.8	56,000 *	51.1	255.0	60,500	62.7	261.3	55,300 b										95
100	16.1	212.8	43,800 *	38.1	242.0	52,700 *	46.9	250.6	56,800	59.1	258.6	51,900										100
105				32.6	234.9	49,700 *	42.3	245.6	53,500	55.3	255.3	48,900										105
110				26.1	226.0	47,000 *	37.4	239.6	50,600	51.3	251.6	46,200										110
115				17.5	213.5	44,500 *	31.8	232.3	47,900	47.1	247.3	43,700										115
120							25.1	223.1	45,400	42.6	242.3	41,400	55.2	250.4	37,500							120
125							16.0	209.7	43,100	37.7	236.4	39,400	51.3	246.6	35,600							125
130										32.1	229.2	37,500	47.1	242.3	33,900							130
135										25.5	220.1	35,700	42.5	237.3	32,300							135
140										16.6	207.1	34,100	37.6	231.3	30,800	50.8	240.0	27,600				140
145													32.0	224.1	29,500	46.6	235.6	26,400				145
150													25.4	215.0	28,200	42.0	230.5	25,200				150
155													16.4	201.9	26,900	37.0	224.4	24,100				155
160																31.3	217.0	23,100	45.5	227.1	20,500	160
170																15.1	193.7	21,200	35.7	215.4	18,800	170
180																22.7	197.5	17,300	22.7	197.5	17,300	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 100 Ft. Jib

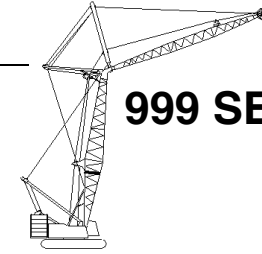
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	71.7	282.8	68,800 *b																			45
50	68.6	281.0	68,500 *b																			50
55	65.5	278.9	66,600 *b																			55
60	62.3	276.4	64,100 *																			60
65	59.0	273.6	61,800 *	69.0	279.8	69,600 *b																65
70	55.6	270.4	59,500 *	65.9	277.7	68,100 *b																70
75	52.1	266.8	56,200 *	62.7	275.3	65,800 *																75
80	48.3	262.6	53,000 *	59.4	272.6	63,600 *	65.5	275.9	67,600 *b													80
85	44.4	257.8	49,900 *	56.1	269.4	61,400 *	62.3	273.5	65,600 *													85
90	40.1	252.3	47,000 *	52.5	265.8	59,200 *	59.0	270.6	63,500 *													90
95	35.4	245.9	44,300 *	48.8	261.7	55,500 *	55.6	267.4	60,100													95
100	30.2	238.1	41,800 *	44.9	257.0	52,200 *	52.0	263.8	56,500	62.5	270.0	51,400										100
105	23.8	228.3	39,500 *	40.7	251.6	49,200 *	48.3	259.6	53,200	59.2	267.2	48,400										105
110	15.3	214.2	37,800 *	36.1	245.3	46,500 *	44.3	254.8	50,300	55.8	264.0	45,700										110
115				30.9	237.8	44,100 *	40.1	249.3	47,600	52.2	260.4	43,300										115
120				24.7	228.3	41,800 *	35.4	242.9	45,100	48.5	256.3	41,100										120
125				16.6	215.0	39,700 *	30.1	235.1	42,900	44.6	251.5	39,000	55.7	259.1	35,200							125
130							23.8	225.2	40,800	40.3	246.1	37,100	52.2	255.4	33,500							130
135							15.1	211.1	38,900	35.7	239.7	35,400	48.5	251.3	31,900							135
140										30.4	232.0	33,800	44.5	246.5	30,400							140
145										24.2	222.3	32,300	40.3	241.1	29,100	51.8	248.8	25,900				145
150										15.8	208.5	30,900	35.6	234.6	27,800	48.0	244.6	24,800				150
155													30.3	226.9	26,600	44.0	239.8	23,700				155
160													24.0	217.2	25,500	39.7	234.2	22,700				160
170																29.7	219.8	20,900	43.1	231.1	18,400	170
180																14.3	195.0	19,200	33.8	218.5	16,900	180
190																21.5	199.5	15,600	21.5	199.5	15,600	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 110 Ft. Jib

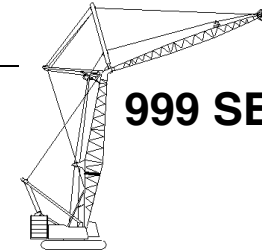
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	73.4	293.3	56,300 *b																			45
50	70.6	291.7	55,200 *b																			50
55	67.9	289.8	54,200 *b																			55
60	65.0	287.6	53,200 *																			60
65	62.1	285.1	52,300 *	71.0	290.5	56,200 *b																65
70	59.1	282.3	51,500 *	68.2	288.6	55,600 *b																70
75	56.0	279.1	50,600 *	65.4	286.5	54,900 *																75
80	52.8	275.5	49,200 *	62.5	284.0	54,200 *	67.8	286.8	54,900 *b													80
85	49.5	271.5	47,000 *	59.5	281.2	53,600 *	65.0	284.6	54,500 *													85
90	46.0	267.0	44,500 *	56.4	278.1	52,100 *	62.1	282.1	54,100 *													90
95	42.2	261.8	42,100 *	53.2	274.6	50,400 *	59.1	279.3	53,700 *													95
100	38.2	255.9	39,900 *	49.9	270.6	48,800 *	56.0	276.1	52,000 *													100
105	33.7	249.0	37,800 *	46.4	266.1	47,300 *	52.8	272.5	50,500 *	62.2	278.7	48,400										105
110	28.7	240.7	35,900 *	42.7	261.1	45,900 *	49.4	268.5	48,900 *	59.3	275.9	45,700										110
115	22.7	230.4	34,200 *	38.7	255.3	44,300 *	45.9	264.0	47,500 *	56.2	272.7	43,200										115
120	14.6	215.5	33,000 *	34.3	248.5	42,000 *	42.2	258.8	45,100	53.0	269.2	41,000										120
125				29.4	240.5	39,900 *	38.1	252.9	42,900	49.6	265.2	39,000										125
130				23.6	230.4	38,000 *	33.7	246.0	40,800	46.1	260.6	37,100	56.1	267.8	33,400							130
135				15.8	216.5	36,300 *	28.7	237.7	39,000	42.4	255.5	35,400	52.9	264.2	31,900							135
140							22.6	227.3	37,200	38.4	249.6	33,800	49.6	260.2	30,400							140
145							14.4	212.4	35,500	34.0	242.8	32,300	46.1	255.7	29,100							145
150										29.0	234.6	30,900	42.3	250.5	27,800	52.5	257.6	24,800				150
155										23.0	224.4	29,600	38.3	244.6	26,600	49.2	253.5	23,700				155
160										15.0	209.9	28,400	33.9	237.8	25,500	45.7	248.9	22,700				160
170													22.9	219.3	23,500	37.8	237.7	20,900				170
180																28.3	222.3	19,300	41.0	235.0	16,900	180
190																13.7	196.2	17,800	32.2	221.5	15,600	190
200																		20.5	201.3	14,400		200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 120 Ft. Jib

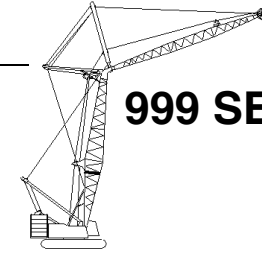
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	74.8	303.7	52,800 *b																			45
50	72.3	302.2	51,900 *b																			50
55	69.8	300.5	51,000 *																			55
60	67.2	298.5	50,200 *																			60
65	64.6	296.3	49,400 *																			65
70	61.9	293.8	48,600 *	70.1	299.3	51,900 *																70
75	59.2	290.9	47,100 *	67.5	297.4	51,300 *																75
80	56.4	287.8	45,500 *	64.9	295.2	50,700 *																80
85	53.4	284.3	43,900 *	62.3	292.7	49,700 *	67.2	295.6	50,700 *													85
90	50.4	280.4	42,400 *	59.5	289.9	48,200 *	64.6	293.3	50,300 *													90
95	47.2	276.0	40,300 *	56.7	286.8	46,600 *	61.9	290.8	49,400 *													95
100	43.9	271.1	38,300 *	53.8	283.3	44,900 *	59.2	288.0	48,000 *													100
105	40.3	265.6	36,400 *	50.8	279.5	43,400 *	56.3	284.8	46,500 *													105
110	36.5	259.3	34,600 *	47.7	275.1	42,000 *	53.4	281.3	45,000 *	62.1	287.4	45,300										110
115	32.3	251.9	32,900 *	44.3	270.3	40,600 *	50.4	277.4	43,500 *	59.3	284.6	42,800										115
120	27.5	243.2	31,300 *	40.8	264.9	39,300 *	47.2	273.0	42,100 *	56.5	281.4	40,600										120
125	21.7	232.3	29,900 *	37.0	258.7	38,000 *	43.9	268.1	40,700 *	53.6	277.9	38,600										125
130	13.9	216.8	28,900 *	32.8	251.5	36,900 *	40.3	262.5	39,400 *	50.6	274.0	36,700										130
135				28.1	243.0	35,800 *	36.4	256.2	38,200 *	47.4	269.7	35,000	56.4	276.5	31,400							135
140				22.5	232.5	34,200 *	32.2	248.9	36,900	44.1	264.8	33,400	53.5	272.9	30,000							140
145				15.1	217.8	32,700 *	27.4	240.2	35,300	40.5	259.3	32,000	50.5	269.0	28,600							145
150							21.7	229.2	33,800	36.7	253.0	30,600	47.3	264.7	27,400							150
155							13.8	213.6	32,400	32.5	245.8	29,300	44.0	259.8	26,200							155
160										27.7	237.1	28,100	40.4	254.3	25,100	50.2	262.4	22,300				160
170										14.4	211.2	25,900	32.4	240.7	23,200	43.6	253.0	20,500				170
180													21.9	221.2	21,400	36.2	241.1	18,900	46.2	249.4	16,500	180
190																27.0	224.8	17,500	39.2	238.6	15,200	190
200																13.1	197.4	16,100	30.8	224.3	14,000	200
210																			19.6	203.1	13,000	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 130 Ft. Jib

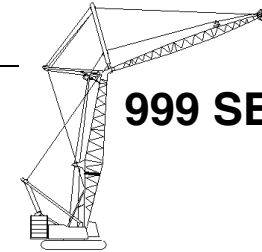
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	76.0	314.0	49,500 *b																			45
50	73.7	312.7	48,700 *b																			50
55	71.4	311.1	47,900 *																			55
60	69.1	309.3	47,100 *																			60
65	66.7	307.3	46,400 *																			65
70	64.3	305.0	44,900 *																			70
75	61.8	302.4	43,400 *	69.4	308.1	47,800 *																75
80	59.2	299.6	42,000 *	67.0	306.1	47,100 *																80
85	56.6	296.5	40,600 *	64.6	303.9	45,700 *																85
90	54.0	293.0	39,200 *	62.1	301.3	44,300 *	66.6	304.3	46,600 *													90
95	51.2	289.2	37,800 *	59.6	298.6	42,900 *	64.2	302.0	45,300 *													95
100	48.3	285.0	36,500 *	57.0	295.5	41,500 *	61.8	299.5	44,100 *													100
105	45.3	280.3	34,900 *	54.3	292.0	40,100 *	59.2	296.6	42,800 *													105
110	42.1	275.0	33,300 *	51.6	288.3	38,800 *	56.6	293.5	41,400 *													110
115	38.7	269.1	31,700 *	48.7	284.1	37,500 *	53.9	290.0	40,100 *	61.9	296.0	42,500										115
120	35.0	262.5	30,200 *	45.7	279.5	36,200 *	51.2	286.2	38,800 *	59.4	293.2	40,300										120
125	31.0	254.8	28,800 *	42.5	274.3	35,000 *	48.3	282.0	37,500 *	56.8	290.1	38,300										125
130	26.4	245.6	27,600 *	39.1	268.5	33,800 *	45.2	277.3	36,300 *	54.1	286.7	36,500										130
135	20.9	234.2	26,400 *	35.5	262.0	32,800 *	42.1	272.0	35,100 *	51.3	282.8	34,700										135
140	13.4	218.0	25,600 *	31.5	254.4	31,700 *	38.6	266.1	34,000 *	48.4	278.6	33,200	56.7	285.1	29,700							140
145				27.0	245.5	30,800 *	35.0	259.5	32,900 *	45.4	274.0	31,700	54.0	281.7	28,400							145
150				21.6	234.4	29,900 *	30.9	251.7	31,900 *	42.2	268.7	30,300	51.3	277.9	27,100							150
155				14.6	219.1	29,200 *	26.3	242.6	30,900 *	38.9	262.9	29,100	48.4	273.6	26,000							155
160							20.8	231.1	30,100 *	35.2	256.3	27,900	45.4	269.0	24,900							160
170										26.6	239.6	25,700	38.8	257.9	22,900	48.1	267.0	20,200				170
180										13.8	212.4	23,700	31.1	243.6	21,200	41.8	256.9	18,600				180
190													21.1	223.1	19,600	34.7	244.2	17,200	44.3	253.6	14,900	190
200																26.0	227.1	15,900	37.6	242.1	13,800	200
210																12.6	198.5	14,700	29.6	227.0	12,700	210
220																			18.8	204.8	11,800	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 140 Ft. Jib

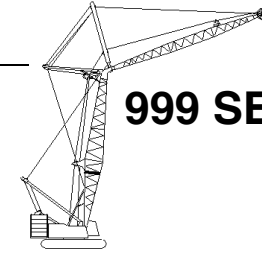
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	74.9	323.0	45,400 *b																			50
55	72.8	321.6	44,700 *																			55
60	70.6	319.9	44,000 *																			60
65	68.4	318.1	42,800 *																			65
70	66.2	316.0	41,300 *																			70
75	64.0	313.7	39,900 *	70.9	318.7	44,300 *																75
80	61.7	311.1	38,500 *	68.7	316.9	43,200 *																80
85	59.3	308.3	37,100 *	66.5	314.8	41,900 *																85
90	56.9	305.2	35,800 *	64.2	312.5	40,600 *																90
95	54.4	301.7	34,500 *	62.0	310.0	39,300 *	66.2	313.0	41,400 *													95
100	51.9	298.0	33,200 *	59.6	307.2	37,900 *	63.9	310.7	40,200 *													100
105	49.2	293.9	32,000 *	57.2	304.1	36,600 *	61.6	308.1	39,000 *													105
110	46.4	289.3	30,800 *	54.7	300.8	35,300 *	59.3	305.3	37,800 *													110
115	43.5	284.3	29,700 *	52.2	297.1	34,000 *	56.9	302.2	36,500 *													115
120	40.5	278.8	28,600 *	49.5	293.0	32,800 *	54.4	298.8	35,200 *	61.8	304.7	38,200 *										120
125	37.2	272.6	27,500 *	46.8	288.5	31,600 *	51.8	295.0	34,000 *	59.4	301.9	37,200 *										125
130	33.7	265.6	26,600 *	43.9	283.6	30,400 *	49.2	290.9	32,800 *	57.0	298.8	36,100										130
135	29.8	257.5	25,500 *	40.9	278.1	29,300 *	46.4	286.3	31,600 *	54.5	295.4	34,400										135
140	25.4	247.9	24,400 *	37.7	272.0	28,200 *	43.5	281.3	30,500 *	52.0	291.6	32,800										140
145	20.1	236.0	23,500 *	34.2	265.1	27,200 *	40.5	275.8	29,400 *	49.3	287.5	31,300	57.0	293.8	27,900							145
150	12.9	219.1	22,800 *	30.3	257.2	26,300 *	37.2	269.6	28,300 *	46.6	283.0	30,000	54.5	290.4	26,700							150
155				26.0	247.8	25,400 *	33.7	262.5	27,300 *	43.7	278.1	28,700	51.9	286.7	25,500							155
160				20.9	236.3	24,600 *	29.8	254.4	26,400 *	40.6	272.5	27,500	49.3	282.6	24,500							160
170							20.0	232.9	24,700 *	33.9	259.4	25,400	43.6	273.1	22,500	51.6	280.0	19,800				170
180										25.6	241.9	23,500	37.3	261.3	20,800	46.2	271.3	18,200				180
190										13.3	213.6	21,700	29.9	246.3	19,200	40.2	260.7	16,800				190
200													20.3	225.0	17,800	33.4	247.3	15,600	42.6	257.6	13,300	200
210																25.0	229.4	14,400	36.1	245.4	12,300	210
220																12.1	199.6	13,300	28.5	229.6	11,400	220
230																			18.1	206.4	10,500	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 150 Ft. Jib

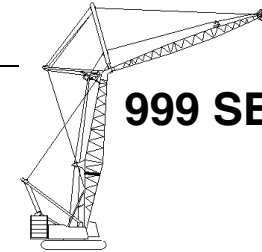
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.9	333.4	42,400 *b																			50
55	74.0	332.0	41,800 *																			55
60	72.0	330.5	40,900 *																			60
65	69.9	328.8	39,600 *																			65
70	67.9	326.8	38,200 *																			70
75	65.8	324.7	36,800 *																			75
80	63.7	322.3	35,500 *	70.2	327.6	39,800 *																80
85	61.5	319.8	34,200 *	68.1	325.7	38,600 *																85
90	59.3	316.9	32,900 *	66.1	323.6	37,400 *																90
95	57.1	313.8	31,600 *	64.0	321.2	36,100 *	67.9	323.9	38,000 *													95
100	54.8	310.4	30,400 *	61.8	318.7	34,800 *	65.8	321.7	36,900 *													100
105	52.4	306.8	29,200 *	59.6	315.9	33,600 *	63.7	319.4	35,700 *													105
110	50.0	302.7	28,100 *	57.4	312.8	32,300 *	61.5	316.8	34,600 *													110
115	47.4	298.4	27,000 *	55.1	309.5	31,100 *	59.3	314.0	33,400 *													115
120	44.8	293.5	25,900 *	52.7	305.8	29,900 *	57.1	310.9	32,200 *													120
125	42.0	288.3	24,900 *	50.3	301.9	28,700 *	54.8	307.5	31,000 *	61.6	313.4	33,900 *										125
130	39.1	282.4	23,900 *	47.8	297.5	27,600 *	52.4	303.8	29,900 *	59.5	310.5	33,000 *										130
135	35.9	275.9	22,900 *	45.1	292.8	26,500 *	49.9	299.8	28,700 *	57.2	307.4	32,000 *										135
140	32.5	268.5	22,000 *	42.4	287.5	25,500 *	47.4	295.4	27,600 *	54.9	304.1	31,000 *										140
145	28.8	260.1	21,200 *	39.4	281.8	24,500 *	44.8	290.5	26,500 *	52.5	300.4	29,900 *										145
150	24.5	250.1	20,400 *	36.3	275.3	23,500 *	42.0	285.3	25,500 *	50.1	296.4	28,800 *	57.2	302.5	26,600							150
155	19.4	237.7	19,700 *	33.0	268.1	22,600 *	39.0	279.4	24,500 *	47.6	292.0	27,800 *	54.9	299.1	25,400							155
160	12.5	220.2	19,100 *	29.3	259.8	21,700 *	35.9	272.9	23,500 *	44.9	287.2	26,700 *	52.5	295.4	24,400							160
170				20.1	238.1	20,100 *	28.7	257.1	21,800 *	39.2	276.2	24,800 *	47.5	287.1	22,400							170
180				19.3	234.6	20,200 *	19.3	234.6	20,200 *	32.7	262.4	22,900 *	42.1	277.0	20,700	49.8	284.8	18,100				180
190										24.7	244.1	21,200 *	36.0	264.7	19,200	44.6	275.5	16,700				190
200										12.9	214.7	19,800 *	28.9	248.9	17,800	38.8	264.3	15,500	46.6	271.8	13,200	200
210													19.6	226.7	16,500	32.2	250.2	14,300	41.1	261.4	12,200	210
220																24.1	231.6	13,300	34.9	248.6	11,300	220
230																11.7	200.6	12,300	27.5	232.1	10,500	230
240																			17.5	208.0	9,700	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 160 Ft. Jib

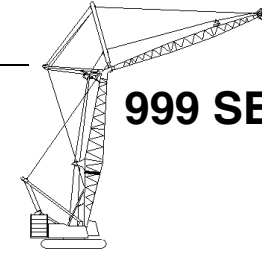
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.0	342.4	38,800 *																			55
60	73.1	341.0	37,700 *																			60
65	71.2	339.4	36,300 *																			65
70	69.3	337.6	35,000 *																			70
75	67.4	335.6	33,700 *																			75
80	65.5	333.4	32,400 *																			80
85	63.5	331.0	31,100 *	69.6	336.4	35,200 *																85
90	61.4	328.4	29,900 *	67.7	334.4	34,000 *																90
95	59.4	325.6	28,700 *	65.7	332.3	32,800 *																95
100	57.3	322.5	27,500 *	63.7	329.9	31,600 *	67.4	332.6	33,500 *													100
105	55.1	319.2	26,300 *	61.7	327.3	30,400 *	65.4	330.5	32,500 *													105
110	52.9	315.5	25,200 *	59.7	324.5	29,200 *	63.4	328.1	31,300 *													110
115	50.6	311.6	24,100 *	57.6	321.5	28,100 *	61.4	325.5	30,200 *													115
120	48.3	307.3	23,000 *	55.4	318.2	26,900 *	59.4	322.6	29,100 *													120
125	45.8	302.7	22,000 *	53.2	314.6	25,800 *	57.3	319.5	27,900 *													125
130	43.3	297.6	21,000 *	50.9	310.7	24,600 *	55.1	316.2	26,800 *	61.5	322.0	29,700 *										130
135	40.6	292.0	20,100 *	48.6	306.5	23,600 *	52.9	312.5	25,700 *	59.5	319.2	28,700 *										135
140	37.8	285.9	19,200 *	46.2	301.9	22,500 *	50.6	308.6	24,600 *	57.4	316.1	27,800 *										140
145	34.7	279.1	18,300 *	43.6	296.8	21,500 *	48.3	304.3	23,600 *	55.2	312.8	26,800 *										145
150	31.5	271.4	17,500 *	41.0	291.3	20,600 *	45.8	299.7	22,500 *	53.0	309.2	25,700 *										150
155	27.8	262.6	16,800 *	38.1	285.3	19,700 *	43.3	294.6	21,500 *	50.7	305.3	24,700 *	57.3	311.2	25,000							155
160	23.7	252.3	16,100 *	35.1	278.6	18,800 *	40.6	289.0	20,600 *	48.4	301.0	23,700 *	55.2	307.8	24,000							160
170	12.1	221.3	14,800 *	28.3	262.4	17,200 *	34.7	276.1	18,800 *	43.4	291.3	21,700 *	50.7	300.3	22,000							170
180				19.5	239.8	15,700 *	27.8	259.6	17,200 *	37.9	279.7	19,900 *	45.9	291.4	20,300	52.7	297.6	17,700				180
190							18.7	236.3	15,800 *	31.6	265.3	18,200 *	40.7	280.8	18,800	48.1	289.3	16,300				190
200										23.9	246.3	16,700 *	34.8	267.8	17,400	43.1	279.5	15,100				200
210										12.4	215.8	15,400 *	28.0	251.5	16,200	37.5	267.7	14,000	45.0	276.1	11,800	210
220													19.0	228.4	15,000	31.2	253.1	12,900	39.7	265.1	10,900	220
230																23.4	233.7	12,000	33.7	251.7	10,100	230
240																11.3	201.6	11,100	26.6	234.5	9,300	240
250																			16.9	209.5	8,600	250



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

180 Ft. Boom, 170 Ft. Jib

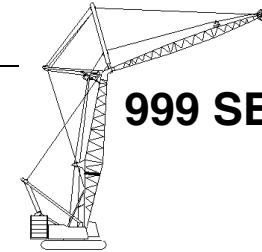
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.9	352.7	34,900 *																			55
60	74.1	351.4	34,500 *																			60
65	72.4	349.9	33,500 *																			65
70	70.6	348.2	32,300 *																			70
75	68.8	346.4	31,100 *																			75
80	67.0	344.3	29,800 *																			80
85	65.1	342.1	28,600 *	70.8	347.0	31,800 *																85
90	63.3	339.7	27,400 *	69.0	345.2	31,300 *																90
95	61.4	337.1	26,300 *	67.2	343.2	30,200 *																95
100	59.4	334.2	25,100 *	65.4	341.0	29,000 *																100
105	57.4	331.2	24,000 *	63.5	338.6	27,800 *	67.0	341.4	29,600 *													105
110	55.4	327.9	22,900 *	61.6	336.0	26,700 *	65.1	339.2	28,700 *													110
115	53.4	324.3	21,800 *	59.7	333.2	25,600 *	63.2	336.7	27,600 *													115
120	51.2	320.4	20,800 *	57.7	330.2	24,500 *	61.3	334.1	26,500 *													120
125	49.0	316.2	19,800 *	55.7	326.9	23,400 *	59.4	331.3	25,500 *													125
130	46.8	311.7	18,900 *	53.6	323.3	22,300 *	57.4	328.2	24,400 *													130
135	44.4	306.8	18,000 *	51.5	319.5	21,300 *	55.4	324.9	23,300 *	61.5	330.7	26,100 *										135
140	41.9	301.5	17,100 *	49.3	315.4	20,300 *	53.3	321.3	22,300 *	59.5	327.9	25,200 *										140
145	39.3	295.7	16,300 *	47.1	310.9	19,300 *	51.2	317.4	21,300 *	57.5	324.8	24,200 *										145
150	36.6	289.3	15,500 *	44.7	306.0	18,400 *	49.0	313.2	20,300 *	55.5	321.5	23,300 *										150
155	33.7	282.1	14,700 *	42.3	300.8	17,500 *	46.7	308.7	19,300 *	53.4	317.9	22,300 *										155
160	30.5	274.2	14,000 *	39.7	295.0	16,700 *	44.4	303.8	18,400 *	51.3	314.1	21,300 *	57.5	319.8	23,600 *							160
170	23.0	254.3	12,500 *	34.1	281.7	15,100 *	39.3	292.6	16,700 *	46.9	305.4	19,500 *	53.4	313.0	21,700 *							170
180	11.7	222.3	11,000 *	27.5	264.9	13,600 *	33.6	279.1	15,100 *	42.0	295.2	17,700 *	49.1	304.9	20,000 *							180
190				18.9	241.5	11,900 *	27.0	262.0	13,600 *	36.7	283.0	16,000 *	44.5	295.5	18,500 *	51.0	302.4	16,000 *				190
200							18.2	237.9	11,900 *	30.7	268.0	14,500 *	39.4	284.4	16,900 *	46.6	293.7	14,800 *				200
210										23.2	248.4	12,900 *	33.8	270.9	15,300 *	41.7	283.4	13,700 *				210
220										12.1	216.9	11,200 *	27.1	253.9	13,900 *	36.4	271.1	12,700 *	43.6	280.1	10,600 *	220
230													18.4	230.1	12,100 *	30.2	255.8	11,700 *	38.5	268.6	9,800 *	230
240																22.6	235.7	10,900 *	32.7	254.7	9,000 *	240
250																11.0	202.6	10,100 *	25.8	236.8	8,300 *	250
260																			16.4	210.9	7,700 *	260



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

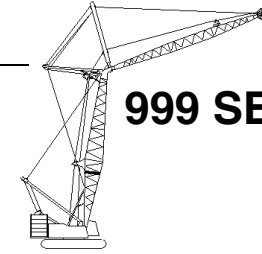
190 Ft. Boom, 70 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	58.9	257.8	84,500 *b																			50
55	54.0	254.5	80,200 *b																			55
60	48.8	250.5	75,100 *b																			60
65	43.1	245.7	70,300 *	60.4	257.2	83,000 *b																65
70	36.7	239.7	65,800 *	55.5	254.1	78,600 *b																70
75	29.2	232.0	62,000 *	50.4	250.3	73,600 *b	60.2	255.5	78,200 *b													75
80	19.2	220.9	57,500 *	44.9	245.8	68,300 *	55.4	252.4	74,000 *b													80
85				38.7	240.2	63,600 *	50.2	248.6	69,000 *b													85
90				31.6	233.1	59,500 *	44.7	244.0	64,500 *	61.3	252.4	59,000 b										90
95				22.6	223.3	55,800 *	38.5	238.4	60,600 *	56.5	249.4	55,200 b										95
100				6.0	203.7	48,700 *	31.3	231.2	56,900	51.4	245.7	51,900 b										100
105							22.2	221.3	53,600	46.0	241.3	48,900										105
110							4.4	200.2	49,500 *	40.0	236.0	46,200	57.2	244.7	41,700 b							110
115										33.1	229.2	43,700	52.2	241.2	39,500 b							115
120										24.6	220.1	41,400	46.8	236.9	37,400							120
125										11.3	204.7	39,200	40.9	231.7	35,500							125
130													34.2	225.2	33,800	52.4	234.8	30,300 b				130
135													26.0	216.6	32,200	47.1	230.6	28,800				135
140													14.1	202.9	30,700	41.2	225.4	27,500				140
145																34.5	219.0	26,300				145
150																26.5	210.5	25,100	46.7	222.4	22,200	150
155																14.8	197.3	23,900	40.7	217.2	21,200	155
160																			34.0	210.6	20,300	160
170																			13.6	187.9	18,600	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 80 Ft. Jib

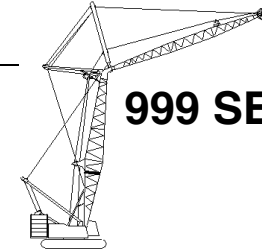
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	63.2	269.3	78,200 *b																			50
55	59.1	266.5	75,400 *b																			55
60	54.8	263.2	71,000 *b																			60
65	50.3	259.4	66,700 *	64.4	268.5	80,400 *b																65
70	45.5	254.9	62,700 *	60.3	265.9	76,400 *b																70
75	40.2	249.5	58,800 *	56.1	262.8	72,600 *b	64.2	266.8	75,800 *b													75
80	34.3	242.9	55,200 *	51.7	259.1	67,800 *	60.2	264.2	72,200 *b													80
85	27.3	234.5	52,200 *	46.9	254.8	63,100 *	56.0	261.1	68,400 *b													85
90	17.9	222.5	49,500 *	41.8	249.7	59,000 *	51.5	257.4	64,000 *													90
95				36.1	243.6	55,300 *	46.8	253.1	60,100 *	61.1	261.1	54,800 b										95
100				29.5	235.8	52,100 *	41.6	247.9	56,600 *	56.9	258.1	51,500 b										100
105				21.1	225.2	49,100 *	35.9	241.7	53,300	52.5	254.5	48,500										105
110				5.6	204.3	43,200 *	29.3	233.9	50,400	47.9	250.4	45,800										110
115							20.8	223.2	47,600	42.8	245.4	43,300	57.6	253.4	39,000 b							115
120							4.1	200.6	44,000 *	37.3	239.5	41,100	53.2	249.9	37,000							120
125										30.9	232.1	39,000	48.6	245.9	35,100							125
130										23.0	222.2	37,100	43.6	241.0	33,400							130
135										10.5	205.6	35,300	38.2	235.3	31,900							135
140													31.9	228.1	30,400	48.8	239.5	27,000				140
145													24.3	218.8	29,000	43.9	234.8	25,800				145
150													13.2	204.0	27,700	38.4	229.0	24,700				150
155																32.2	222.0	23,600				155
160																24.7	212.8	22,600	43.5	226.5	19,900	160
170																31.7	213.5	18,200	31.7	213.5	18,200	170
180																12.7	189.0	16,700	12.7	189.0	16,700	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

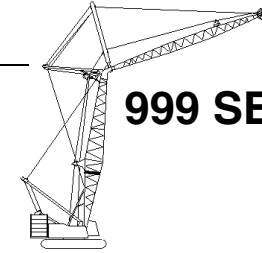
190 Ft. Boom, 90 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	66.3	280.3	72,000 *b																			50
55	62.8	277.9	70,600 *b																			55
60	59.2	275.2	67,000 *																			60
65	55.4	271.9	63,300 *	67.4	279.5	73,500 *b																65
70	51.4	268.2	59,700 *	63.9	277.2	73,100 *b																70
75	47.2	263.9	56,200 *	60.3	274.5	70,800 *b	67.3	277.8	72,400 *b													75
80	42.7	258.9	52,900 *	56.5	271.5	67,500 *	63.8	275.5	70,200 *b													80
85	37.8	253.0	49,800 *	52.6	267.9	62,800 *	60.2	272.9	67,000 *b													85
90	32.2	245.9	46,900 *	48.5	263.8	58,700 *	56.4	269.8	63,700 *													90
95	25.7	236.9	44,500 *	44.1	259.0	55,100 *	52.5	266.2	59,700 *													95
100	16.9	224.0	42,300 *	39.3	253.4	51,800 *	48.4	262.1	56,200 *	61.0	269.7	51,200 b										100
105				34.0	246.7	48,800 *	44.0	257.3	53,100 *	57.3	266.7	48,200										105
110				27.8	238.4	46,200 *	39.2	251.6	50,200	53.4	263.3	45,500										110
115				19.9	227.1	43,700 *	33.8	244.9	47,500	49.3	259.3	43,100										115
120				5.3	204.7	38,800 *	27.6	236.4	45,100	45.0	254.6	40,900	57.8	262.0	36,700							120
125							19.6	225.0	42,800	40.3	249.2	38,800	54.0	258.7	34,900							125
130							3.9	200.9	39,600 *	35.1	242.7	37,000	50.0	254.7	33,200							130
135										29.1	234.8	35,200	45.7	250.2	31,600							135
140										21.6	224.2	33,600	41.0	244.9	30,200							140
145										9.9	206.5	32,100	35.9	238.6	28,800	50.2	248.4	25,600				145
150													30.1	230.9	27,600	45.9	243.9	24,400				150
155													22.9	220.9	26,400	41.3	238.7	23,400				155
160													12.4	205.2	25,200	36.2	232.4	22,400				160
170																23.3	214.9	20,600	40.9	230.4	18,000	170
180																			29.9	216.3	16,500	180
190																			11.9	190.1	15,200	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 100 Ft. Jib

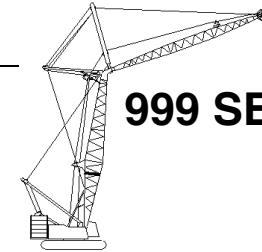
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	68.8	291.1	66,600 *b																			50
55	65.7	289.0	65,700 *b																			55
60	62.5	286.6	62,700 *																			60
65	59.3	283.8	59,600 *	69.8	290.2	67,400 *b																65
70	55.9	280.6	56,600 *	66.7	288.2	67,400 *b																70
75	52.3	277.0	53,500 *	63.5	285.9	65,600 *																75
80	48.6	272.9	50,500 *	60.3	283.2	63,600 *	66.6	286.5	66,600 *b													80
85	44.7	268.2	47,700 *	56.9	280.1	61,500 *	63.4	284.2	64,900 *													85
90	40.4	262.7	45,100 *	53.4	276.7	58,200 *	60.1	281.5	62,200 *													90
95	35.8	256.4	42,600 *	49.8	272.7	54,600 *	56.8	278.4	59,200 *													95
100	30.5	248.7	40,200 *	45.9	268.2	51,300 *	53.3	274.9	55,700 *													100
105	24.3	239.1	38,100 *	41.7	263.0	48,400 *	49.6	271.0	52,600 *	60.9	278.4	47,800										105
110	16.0	225.5	36,500 *	37.2	256.9	45,700 *	45.7	266.4	49,700 *	57.6	275.4	45,100										110
115				32.2	249.7	43,300 *	41.6	261.2	47,100 *	54.1	272.0	42,700										115
120				26.3	240.8	41,100 *	37.1	255.1	44,700 *	50.5	268.1	40,500										120
125				18.9	228.8	39,000 *	32.0	247.8	42,600 *	46.6	263.7	38,500										125
130				5.1	205.2	34,800 *	26.1	238.8	40,500	42.6	258.7	36,600	54.6	267.4	32,700							130
135							18.6	226.6	38,600	38.1	252.8	34,900	51.0	263.6	31,200							135
140							3.7	201.3	35,600 *	33.2	245.8	33,300	47.2	259.3	29,700							140
145										27.6	237.3	31,800	43.2	254.3	28,400							145
150										20.5	226.1	30,400	38.8	248.5	27,200	51.2	257.2	24,000				150
155										9.4	207.4	29,100	34.0	241.8	26,000	47.4	252.9	22,900				155
160													28.5	233.5	24,900	43.4	248.0	22,000				160
170													11.8	206.2	22,900	34.2	235.6	20,200	47.1	244.8	17,500	170
180																22.1	216.9	18,600	38.7	234.0	16,100	180
190																			28.3	218.9	14,800	190
200																			11.3	191.1	13,600	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 110 Ft. Jib

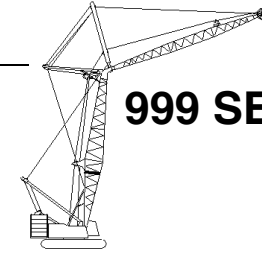
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	70.8	301.8	54,100 *b																			50
55	68.0	299.9	53,200 *b																			55
60	65.2	297.7	52,300 *																			60
65	62.3	295.3	51,400 *																			65
70	59.3	292.5	50,600 *	68.9	299.0	54,500 *b																70
75	56.2	289.3	49,700 *	66.1	296.9	53,900 *																75
80	53.1	285.8	47,300 *	63.2	294.6	53,300 *																80
85	49.7	281.8	45,000 *	60.2	291.9	52,700 *	66.0	295.3	53,500 *													85
90	46.2	277.3	42,700 *	57.2	288.8	52,100 *	63.1	292.9	53,100 *													90
95	42.5	272.2	40,500 *	54.0	285.4	50,600 *	60.1	290.2	52,700 *													95
100	38.5	266.3	38,400 *	50.7	281.6	49,000 *	57.1	287.1	52,300 *													100
105	34.1	259.5	36,500 *	47.3	277.2	47,600 *	53.9	283.7	50,800 *													105
110	29.1	251.4	34,700 *	43.6	272.3	45,900 *	50.6	279.8	49,300 *	60.8	287.0	45,000										110
115	23.2	241.2	33,100 *	39.7	266.7	43,500 *	47.2	275.5	47,200	57.8	284.1	42,600										115
120	15.3	226.8	31,900 *	35.4	260.2	41,200 *	43.5	270.5	44,800	54.6	280.7	40,400										120
125				30.7	252.5	39,200 *	39.6	264.9	42,600	51.4	277.0	38,400										125
130				25.1	243.0	37,300 *	35.3	258.3	40,500	48.0	272.7	36,600										130
135				18.0	230.4	35,600 *	30.5	250.6	38,700	44.4	267.9	34,900	55.1	276.1	31,100							135
140				4.8	205.6	31,500 *	24.9	241.1	36,900	40.5	262.4	33,300	51.9	272.4	29,700							140
145							17.7	228.2	35,300	36.3	256.1	31,800	48.5	268.2	28,400							145
150							3.5	201.6	32,300 *	31.6	248.7	30,500	44.9	263.5	27,200							150
155										26.3	239.7	29,200	41.1	258.1	26,000	52.0	266.0	22,900				155
160										19.6	227.8	28,000	37.0	252.0	24,900	48.7	261.9	21,900				160
170													27.1	236.0	23,000	41.3	251.9	20,200				170
180													11.2	207.2	21,200	32.6	238.6	18,600	44.8	249.0	16,100	180
190																21.0	218.8	17,200	36.8	237.4	14,900	190
200																			27.0	221.3	13,700	200
210																			10.8	192.1	12,600	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 120 Ft. Jib

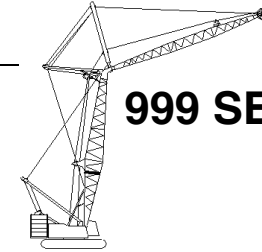
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
50	72.5	312.3	50,900 *b																			50
55	70.0	310.6	50,100 *b																			55
60	67.4	308.7	49,300 *																			60
65	64.8	306.4	48,500 *																			65
70	62.1	303.9	47,800 *	70.7	309.7	50,900 *b																70
75	59.4	301.1	46,700 *	68.2	307.8	50,400 *																75
80	56.6	298.0	44,700 *	65.6	305.6	49,900 *																80
85	53.7	294.5	42,700 *	62.9	303.2	49,300 *																85
90	50.6	290.6	40,700 *	60.2	300.5	48,200 *	65.5	304.0	49,400 *													90
95	47.5	286.3	38,700 *	57.4	297.5	46,700 *	62.8	301.6	49,100 *													95
100	44.1	281.4	36,800 *	54.5	294.1	45,200 *	60.1	298.8	48,100 *													100
105	40.6	276.0	35,000 *	51.6	290.4	43,700 *	57.3	295.8	46,800 *													105
110	36.8	269.7	33,300 *	48.4	286.2	42,300 *	54.4	292.4	45,300 *													110
115	32.6	262.5	31,800 *	45.2	281.5	40,900 *	51.4	288.6	43,900 *	60.7	295.7	42,200										115
120	27.8	253.9	30,300 *	41.7	276.2	39,600 *	48.3	284.4	42,500 *	58.0	292.7	40,000										120
125	22.2	243.2	29,000 *	38.0	270.2	38,300 *	45.0	279.7	41,100 *	55.1	289.4	38,000										125
130	14.6	228.1	28,000 *	33.9	263.3	36,900 *	41.6	274.4	39,900 *	52.1	285.8	36,200										130
135				29.3	255.2	35,200 *	37.8	268.4	38,400 *	49.0	281.6	34,500										135
140				24.0	245.2	33,500 *	33.7	261.4	36,600	45.8	277.1	32,900	55.5	284.8	29,300							140
145				17.2	231.9	32,000 *	29.2	253.3	35,000	42.4	271.9	31,500	52.6	281.2	28,000							145
150				4.6	206.0	28,600 *	23.8	243.2	33,500	38.7	266.0	30,100	49.5	277.1	26,700							150
155							16.9	229.8	32,100	34.7	259.3	28,900	46.3	272.6	25,600							155
160							3.4	201.9	29,400 *	30.3	251.5	27,700	42.9	267.5	24,500				52.7	274.8	21,500	160
170										18.7	229.5	25,500	35.3	255.2	22,600	46.5	266.3	19,800	39.4	255.6	18,200	170
180													25.9	238.4	20,900	39.4	255.6	18,200				180
190													10.7	208.2	19,300	31.2	241.4	16,800	42.8	253.0	14,400	190
200																20.1	220.6	15,600	35.2	240.7	13,300	200
210																			25.8	223.7	12,300	210
220																			10.3	193.0	11,300	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 130 Ft. Jib

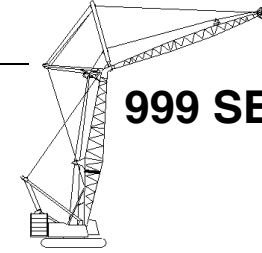
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.9	322.8	47,800 *b																			50
55	71.6	321.2	47,000 *																			55
60	69.2	319.4	46,300 *																			60
65	66.8	317.4	45,600 *																			65
70	64.4	315.1	44,600 *																			70
75	62.0	312.6	43,200 *	69.9	318.5	47,000 *																75
80	59.4	309.8	41,800 *	67.6	316.5	46,500 *																80
85	56.8	306.7	40,300 *	65.2	314.4	45,700 *																85
90	54.2	303.3	38,600 *	62.7	311.9	44,300 *	67.5	314.9	45,800 *													90
95	51.4	299.5	36,900 *	60.2	309.2	43,000 *	65.1	312.7	45,300 *													95
100	48.5	295.3	35,300 *	57.6	306.2	41,700 *	62.6	310.2	44,100 *													100
105	45.5	290.6	33,700 *	55.0	302.8	40,300 *	60.1	307.5	42,900 *													105
110	42.3	285.4	32,100 *	52.2	299.2	39,000 *	57.5	304.5	41,700 *													110
115	38.9	279.6	30,600 *	49.4	295.1	37,700 *	54.9	301.1	40,400 *													115
120	35.3	273.0	29,200 *	46.4	290.6	36,500 *	52.1	297.4	39,100 *	60.7	304.4	39,700										120
125	31.3	265.3	27,900 *	43.3	285.5	35,300 *	49.3	293.3	37,900 *	58.1	301.4	37,700										125
130	26.7	256.3	26,700 *	40.0	279.9	34,100 *	46.3	288.8	36,700 *	55.5	298.1	35,900										130
135	21.3	245.1	25,600 *	36.4	273.6	33,000 *	43.2	283.8	35,500 *	52.8	294.5	34,200										135
140	14.0	229.4	24,900 *	32.5	266.3	32,000 *	39.9	278.1	34,400 *	49.9	290.5	32,700										140
145				28.2	257.7	31,100 *	36.3	271.7	33,300 *	47.0	286.1	31,200	55.9	293.5	27,700							145
150				23.1	247.3	30,200 *	32.4	264.4	32,300 *	43.9	281.2	29,900	53.2	289.9	26,500							150
155				16.6	233.4	29,100 *	28.0	255.8	31,300 *	40.6	275.7	28,600	50.4	286.0	25,300							155
160				4.4	206.4	26,000 *	22.9	245.3	30,400 *	37.1	269.5	27,400	47.5	281.6	24,300							160
170							3.2	202.2	26,700 *	29.0	254.1	25,300	41.1	271.4	22,400	50.5	279.7	19,500				170
180										18.0	231.1	23,400	33.9	258.3	20,600	44.5	270.5	17,900				180
190													24.9	240.6	19,100	37.8	259.1	16,600	47.4	267.1	14,100	190
200													10.3	209.1	17,700	29.9	244.2	15,300	41.0	256.8	13,000	200
210																19.3	222.4	14,200	33.8	243.8	12,000	210
220																			24.8	225.9	11,100	220
230																			9.9	193.9	10,200	230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 140 Ft. Jib

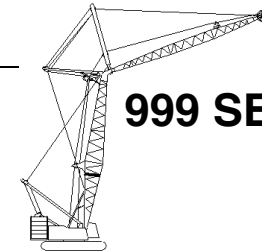
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.0	333.1	44,600 *b																			50
55	72.9	331.7	43,900 *																			55
60	70.8	330.1	43,300 *																			60
65	68.6	328.2	42,400 *																			65
70	66.4	326.1	41,100 *																			70
75	64.1	323.8	39,700 *																			75
80	61.8	321.3	38,300 *	69.2	327.3	43,000 *																80
85	59.5	318.5	37,000 *	67.0	325.3	41,800 *																85
90	57.1	315.4	35,700 *	64.8	323.1	40,600 *																90
95	54.6	312.0	34,400 *	62.5	320.6	39,300 *	67.0	323.6	41,300 *													95
100	52.0	308.3	33,200 *	60.2	317.8	38,000 *	64.7	321.4	40,200 *													100
105	49.4	304.2	32,000 *	57.8	314.8	36,800 *	62.4	318.9	39,100 *													105
110	46.6	299.7	30,700 *	55.3	311.5	35,500 *	60.1	316.2	38,000 *													110
115	43.8	294.7	29,400 *	52.8	307.9	34,300 *	57.7	313.1	36,800 *													115
120	40.7	289.2	28,100 *	50.2	303.9	33,000 *	55.3	309.8	35,600 *	63.0	315.7	38,200 *										120
125	37.5	283.0	26,900 *	47.5	299.6	31,900 *	52.7	306.2	34,400 *	60.6	313.0	37,300 *										125
130	34.0	276.1	25,800 *	44.6	294.8	30,700 *	50.1	302.2	33,200 *	58.3	310.1	35,500 *										130
135	30.1	268.1	24,700 *	41.6	289.4	29,600 *	47.4	297.8	32,000 *	55.8	306.8	33,800 *										135
140	25.7	258.7	23,700 *	38.5	283.5	28,500 *	44.5	293.0	30,900 *	53.3	303.3	32,300 *										140
145	20.5	246.9	22,800 *	35.0	276.8	27,500 *	41.5	287.6	29,800 *	50.7	299.4	30,800 *										145
150	13.5	230.6	22,200 *	31.3	269.1	26,600 *	38.4	281.7	28,700 *	48.0	295.1	29,500 *	56.2	302.2	26,000 *							150
155				27.1	260.2	25,700 *	34.9	274.9	27,700 *	45.2	290.4	28,200 *	53.7	298.7	24,900 *							155
160				22.2	249.3	24,800 *	31.2	267.2	26,800 *	42.2	285.1	27,100 *	51.1	294.8	23,900 *							160
170				4.3	206.8	23,500 *	22.0	247.3	25,000 *	35.7	272.8	25,000 *	45.6	285.9	21,900 *							170
180							3.1	202.4	23,700 *	28.0	256.7	23,100 *	39.6	275.0	20,300 *	48.6	284.3	17,500 *				180
190										17.3	232.7	21,400 *	32.6	261.3	18,700 *	42.8	274.5	16,200 *				190
200													24.0	242.8	17,400 *	36.4	262.4	14,900 *	45.5	271.4	12,600 *	200
210													9.9	210.0	16,100 *	28.8	246.8	13,800 *	39.5	260.5	11,600 *	210
220																18.6	224.0	12,800 *	32.5	246.7	10,700 *	220
230																			23.8	228.1	9,900 *	230
240																			9.6	194.8	9,100 *	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 150 Ft. Jib

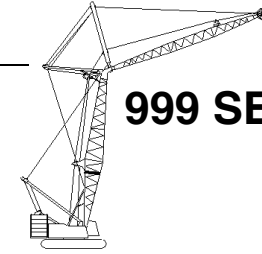
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
55	74.1	342.1	41,100 *																			55
60	72.1	340.6	40,400 *																			60
65	70.1	338.9	39,200 *																			65
70	68.0	337.0	38,000 *																			70
75	66.0	334.9	36,700 *																			75
80	63.8	332.5	35,400 *	70.7	337.9	39,600 *																80
85	61.7	329.9	34,100 *	68.6	336.1	38,500 *																85
90	59.5	327.1	32,800 *	66.6	334.0	37,300 *																90
95	57.3	324.0	31,600 *	64.5	331.7	36,200 *																95
100	55.0	320.7	30,400 *	62.3	329.2	35,000 *	66.5	332.4	36,900 *													100
105	52.6	317.0	29,200 *	60.2	326.5	33,700 *	64.4	330.1	35,900 *													105
110	50.1	313.0	28,100 *	57.9	323.5	32,500 *	62.3	327.6	34,800 *													110
115	47.6	308.7	27,000 *	55.7	320.2	31,300 *	60.1	324.8	33,700 *													115
120	45.0	303.9	25,900 *	53.3	316.7	30,200 *	57.9	321.8	32,500 *													120
125	42.2	298.6	24,900 *	50.9	312.8	29,000 *	55.6	318.5	31,400 *	62.8	324.4	34,100 *										125
130	39.3	292.8	23,900 *	48.4	308.5	27,900 *	53.2	314.9	30,300 *	60.6	321.7	33,200 *										130
135	36.2	286.4	23,000 *	45.8	303.9	26,800 *	50.8	311.0	29,100 *	58.4	318.7	32,300 *										135
140	32.8	279.1	22,100 *	43.1	298.8	25,800 *	48.3	306.8	28,000 *	56.1	315.5	31,400 *										140
145	29.1	270.7	21,300 *	40.2	293.1	24,700 *	45.7	302.1	27,000 *	53.8	312.0	30,400 *										145
150	24.8	260.9	20,500 *	37.1	286.9	23,800 *	43.0	297.0	25,900 *	51.4	308.2	29,400 *										150
155	19.8	248.7	19,800 *	33.8	279.9	22,900 *	40.1	291.3	24,900 *	48.9	304.0	28,100	56.4	310.9	24,800							155
160	13.1	231.8	19,200 *	30.2	271.9	22,000 *	37.0	285.1	23,900 *	46.3	299.4	27,000	54.1	307.4	23,700							160
170				21.4	251.2	20,400 *	30.1	270.0	22,100 *	40.7	288.9	24,900	49.3	299.5	21,800							170
180				4.1	207.2	19,200 *	21.3	249.2	20,500 *	34.5	275.9	23,000	44.0	290.0	20,200	51.8	297.3	17,400				180
190							3.0	202.7	19,300 *	27.0	259.1	21,300	38.2	278.6	18,700	46.8	288.7	16,100				190
200										16.7	234.2	19,800	31.5	264.2	17,300	41.3	278.3	14,900				200
210													23.2	244.9	16,100	35.1	265.7	13,800	43.9	275.5	11,500	210
220													9.6	210.8	14,900	27.8	249.3	12,800	38.1	264.0	10,600	220
230																18.0	225.7	11,800	31.4	249.6	9,800	230
240																			23.0	230.2	9,100	240
250																			9.2	195.6	8,300	250



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 Ft. Boom, 160 Ft. Jib

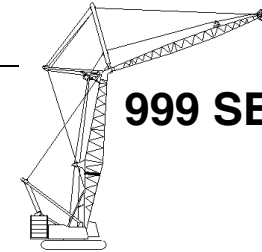
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.1	352.5	37,500 *																			55
60	73.2	351.1	36,800 *																			60
65	71.4	349.5	36,000 *																			65
70	69.5	347.7	34,800 *																			70
75	67.5	345.7	33,500 *																			75
80	65.6	343.6	32,300 *																			80
85	63.6	341.2	31,100 *	70.0	346.8	35,200 *																85
90	61.6	338.6	29,800 *	68.1	344.9	34,100 *																90
95	59.5	335.8	28,600 *	66.2	342.8	32,900 *																95
100	57.4	332.7	27,500 *	64.2	340.4	31,800 *																100
105	55.3	329.4	26,300 *	62.2	337.9	30,600 *	66.1	341.1	32,600 *													105
110	53.1	325.8	25,200 *	60.2	335.2	29,400 *	64.1	338.8	31,500 *													110
115	50.8	321.9	24,100 *	58.1	332.2	28,300 *	62.1	336.2	30,400 *													115
120	48.5	317.6	23,100 *	55.9	328.9	27,100 *	60.1	333.5	29,400 *													120
125	46.0	313.0	22,100 *	53.7	325.4	26,000 *	58.0	330.5	28,300 *													125
130	43.5	307.9	21,100 *	51.5	321.6	24,900 *	55.9	327.2	27,200 *	62.6	333.1	29,800 *										130
135	40.8	302.4	20,200 *	49.2	317.4	23,900 *	53.7	323.7	26,100 *	60.6	330.3	29,100 *										135
140	38.0	296.3	19,300 *	46.8	312.9	22,800 *	51.4	319.9	25,000 *	58.5	327.4	28,100 *										140
145	35.0	289.6	18,400 *	44.2	308.0	21,800 *	49.1	315.7	24,000 *	56.4	324.2	27,200 *										145
150	31.7	282.0	17,600 *	41.6	302.6	20,900 *	46.7	311.2	22,900 *	54.2	320.7	26,200 *										150
155	28.1	273.3	16,900 *	38.8	296.7	19,900 *	44.2	306.3	21,900 *	51.9	317.0	25,300 *										155
160	24.0	263.1	16,100 *	35.9	290.2	19,100 *	41.5	300.9	21,000 *	49.6	312.9	24,300 *	56.7	319.5	23,300							160
170	12.6	232.9	14,900 *	29.2	274.5	17,400 *	35.8	288.4	19,200 *	44.7	303.6	22,300 *	52.3	312.4	21,400							170
180				20.8	253.1	16,000 *	29.1	272.6	17,500 *	39.4	292.6	20,500 *	47.6	304.0	19,800							180
190				4.0	207.5	14,800 *	20.6	251.0	16,100 *	33.4	279.0	18,700 *	42.5	294.0	18,300	50.1	302.0	15,600				190
200							2.9	203.0	14,900 *	26.1	261.5	17,100 *	36.9	282.0	16,900	45.2	292.9	14,400				200
210										16.2	235.6	15,800 *	30.5	267.0	15,700	39.9	282.0	13,400	47.5	289.5	11,100	210
220													22.4	246.9	14,600	34.0	268.8	12,400	42.5	279.5	10,200	220
230													26.9	251.8	13,500	26.9	251.8	11,500	36.8	267.4	9,400	230
240													9.3	211.7		17.4	227.2	10,600	30.4	252.4	8,700	240
250																			22.3	232.2	8,000	250
260																			9.0	196.4	7,300	260



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

190 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	76.0	362.8	34,000 *																			55
60	74.3	361.5	33,400 *																			60
65	72.5	360.0	32,800 *																			65
70	70.7	358.3	32,100 *																			70
75	68.9	356.5	30,900 *																			75
80	67.1	354.5	29,700 *																			80
85	65.3	352.3	28,500 *																			85
90	63.4	349.9	27,400 *	69.5	355.6	30,800 *																90
95	61.5	347.3	26,200 *	67.7	353.6	30,200 *																95
100	59.6	344.4	25,100 *	65.8	351.5	29,100 *																100
105	57.6	341.4	24,000 *	64.0	349.1	28,000 *	67.6	352.0	29,000 *													105
110	55.6	338.1	22,900 *	62.1	346.6	26,900 *	65.8	349.8	28,800 *													110
115	53.5	334.5	21,900 *	60.2	343.8	25,800 *	63.9	347.5	27,800 *													115
120	51.4	330.7	20,900 *	58.2	340.8	24,700 *	62.0	344.9	26,800 *													120
125	49.2	326.5	19,900 *	56.2	337.6	23,700 *	60.1	342.1	25,700 *													125
130	46.9	322.0	19,000 *	54.1	334.1	22,600 *	58.1	339.1	24,700 *													130
135	44.6	317.2	18,100 *	52.0	330.4	21,600 *	56.1	335.9	23,700 *	62.4	341.7	26,000 *										135
140	42.1	311.9	17,200 *	49.9	326.3	20,600 *	54.1	332.4	22,700 *	60.5	339.0	25,500 *										140
145	39.5	306.1	16,400 *	47.6	321.9	19,600 *	51.9	328.7	21,700 *	58.6	336.1	24,600 *										145
150	36.8	299.7	15,600 *	45.3	317.2	18,700 *	49.8	324.6	20,700 *	56.6	332.9	23,700 *										150
155	33.9	292.7	14,800 *	42.9	312.0	17,800 *	47.5	320.2	19,700 *	54.5	329.5	22,800 *										155
160	30.7	284.8	14,100 *	40.3	306.4	16,900 *	45.2	315.4	18,800 *	52.4	325.8	21,900 *										160
170	23.3	265.2	12,700 *	34.8	293.4	15,300 *	40.2	304.6	17,000 *	48.0	317.4	20,000 *	54.8	324.8	21,100							170
180	12.3	234.0	11,100 *	28.3	277.1	13,800 *	34.7	291.5	15,400 *	43.3	307.7	18,200 *	50.6	317.2	19,500							180
190				20.1	254.9	12,200 *	28.2	275.2	13,900 *	38.2	296.1	16,500 *	46.1	308.3	18,000	52.9	314.8	15,300				190
200				3.9	207.9	10,700 *	20.0	252.8	12,200 *	32.3	281.9	15,000 *	41.2	297.8	16,700	48.5	306.6	14,100				200
210							2.8	203.2	10,700 *	25.3	263.8	13,500 *	35.8	285.3	15,500	43.8	297.0	13,100				210
220										15.7	237.0	11,700 *	29.5	269.7	14,400	38.7	285.6	12,100	46.0	293.8	9,900	220
230													21.7	248.8	12,800 *	32.9	271.8	11,200	41.1	283.3	9,100	230
240													9.0	212.5	11,100 *	26.1	254.1	10,400	35.7	270.7	8,400	240
250																16.9	228.7	9,600	29.4	255.0	7,700	250
260																			21.6	234.1	7,100	260
270																			8.7	197.2	6,500	270

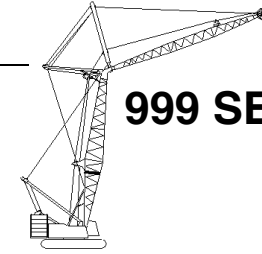
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 70 Ft. Jib

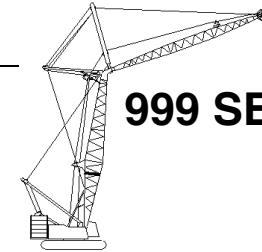
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	59.3	268.0	80,200 *b																			50
55	54.4	264.8	75,600 *b																			55
60	49.2	260.8	71,100 *b																			60
65	43.5	256.1	66,800 *																			65
70	37.2	250.2	62,700 *	56.7	264.8	76,100 *b																70
75	29.8	242.6	59,300 *	51.7	261.2	71,300 *b																75
80	20.0	231.8	55,700 *	46.3	256.9	66,100 *b	57.1	263.4	71,600 *b													80
85				40.3	251.6	61,500 *	52.0	259.8	66,800 *b													85
90				33.5	244.9	57,500 *	46.6	255.5	62,500 *b													90
95				25.1	236.0	53,900 *	40.7	250.3	58,600 *	59.0	260.7	54,500 b										95
100				12.3	221.2	50,700 *	34.0	243.8	55,200 *	54.1	257.4	51,200 b										100
105							25.7	235.0	52,100 *	48.8	253.4	48,200 b										105
110							13.5	221.0	49,300 *	43.2	248.6	45,500										110
115										36.8	242.6	43,100	55.7	253.0	38,600 b							115
120										29.3	234.9	40,800	50.5	249.3	36,600 b							120
125										19.3	223.8	38,800	45.0	244.8	34,800							125
130													38.9	239.2	33,100							130
135													31.8	232.1	31,600	51.6	243.3	28,000 b				135
140													22.9	222.5	30,100	46.2	238.9	26,700				140
145													7.0	203.7	28,600	40.2	233.6	25,500				145
150																33.4	226.9	24,400				150
155																25.0	218.0	23,300	46.7	231.1	20,400	155
160																12.1	203.1	22,200	40.7	225.8	19,500	160
170																25.7	210.6	17,900	25.7	210.6	17,900	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 80 Ft. Jib

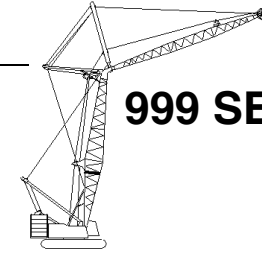
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	63.4	279.4	75,000 *b																			50
55	59.4	276.7	71,100 *b																			55
60	55.1	273.5	67,200 *b																			60
65	50.6	269.7	63,400 *	65.3	279.0	77,400 *b																65
70	45.8	265.2	59,700 *	61.3	276.5	73,800 *b																70
75	40.6	259.9	56,200 *	57.2	273.5	70,200 *b	65.6	277.5	73,000 *b													75
80	34.7	253.4	52,900 *	52.8	270.0	65,600 *	61.6	275.0	69,600 *b													80
85	27.8	245.2	49,900 *	48.1	265.9	61,100 *	57.4	272.1	66,200 *b													85
90	18.7	233.5	47,700 *	43.1	261.0	57,100 *	53.1	268.6	61,900 *													90
95				37.6	255.1	53,500 *	48.5	264.5	58,100 *													95
100				31.3	247.8	50,300 *	43.5	259.7	54,700 *	59.1	269.3	50,700 b										100
105				23.4	238.1	47,400 *	38.0	253.9	51,600 *	54.8	266.1	47,800 b										105
110				11.5	222.3	44,800 *	31.7	246.7	48,800 *	50.3	262.3	45,100										110
115							24.1	237.2	46,300 *	45.5	257.7	42,700										115
120							12.7	222.2	43,900 *	40.2	252.4	40,500	56.2	261.7	36,200 b							120
125										34.3	245.8	38,500	51.8	258.1	34,400							125
130										27.3	237.4	36,600	47.1	253.8	32,700							130
135										18.1	225.5	34,900	42.0	248.7	31,200							135
140													36.3	242.6	29,700	52.7	252.0	26,200				140
145													29.7	234.9	28,400	48.1	247.9	25,000				145
150													21.4	224.4	27,100	43.1	243.0	23,900				150
155													6.5	204.3	25,900	37.5	237.1	22,900				155
160																31.2	229.8	21,900				160
170																11.3	204.1	20,100				170
180																			38.0	229.4	17,400	180
																			24.1	212.8	16,000	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 90 Ft. Jib

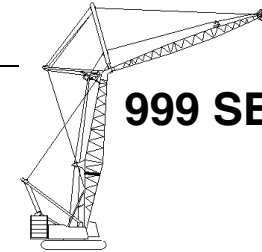
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	66.6	290.5	69,700 *b																			50
55	63.1	288.1	66,800 *b																			55
60	59.4	285.4	63,400 *b																			60
65	55.7	282.2	60,100 *	68.2	289.9	70,800 *b																65
70	51.7	278.5	56,900 *	64.7	287.7	69,600 *b																70
75	47.5	274.3	53,700 *	61.2	285.2	68,300 *b																75
80	43.0	269.3	50,700 *	57.5	282.2	65,100 *	65.0	286.2	67,500 *b													80
85	38.2	263.5	47,800 *	53.6	278.8	60,700 *	61.4	283.7	64,600 *b													85
90	32.7	256.4	45,200 *	49.5	274.8	56,800 *	57.7	280.7	61,600 *													90
95	26.2	247.6	42,800 *	45.2	270.2	53,200 *	53.9	277.3	57,800 *													95
100	17.6	235.1	41,000 *	40.5	264.8	50,000 *	49.8	273.4	54,400 *	62.9	280.8	50,400 b										100
105				35.4	258.4	47,200 *	45.5	268.9	51,300 *	59.2	278.0	47,500										105
110				29.4	250.5	44,600 *	40.9	263.5	48,500 *	55.4	274.8	44,900										110
115				22.1	240.2	42,200 *	35.7	257.2	46,000 *	51.5	271.1	42,500										115
120				10.8	223.2	40,000 *	29.9	249.4	43,700 *	47.3	266.8	40,300										120
125							22.7	239.3	41,500 *	42.8	261.8	38,300	56.6	270.4	34,100							125
130							11.9	223.3	39,600 *	37.9	255.9	36,400	52.7	266.9	32,400							130
135										32.3	248.8	34,700	48.6	262.8	30,900							135
140										25.7	239.8	33,100	44.2	258.0	29,500							140
145										17.0	227.0	31,600	39.5	252.4	28,200							145
150													34.1	245.8	27,000	49.5	256.8	23,700				150
155													28.0	237.5	25,800	45.2	252.2	22,600				155
160													20.2	226.3	24,700	40.5	246.8	21,700				160
170																29.4	232.5	19,900	45.5	244.4	17,200	170
180																10.7	205.1	18,300	35.7	232.7	15,800	180
190																			22.7	214.8	14,500	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 100 Ft. Jib

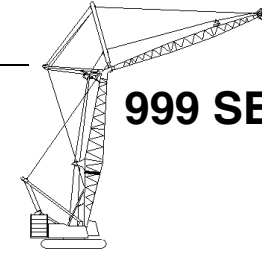
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	69.0	301.3	55,900 *b																			50
55	65.9	299.2	54,800 *b																			55
60	62.8	296.8	53,800 *																			60
65	59.5	294.0	52,800 *	70.5	300.6	57,400 *b																65
70	56.1	290.9	51,900 *	67.4	298.6	56,600 *b																70
75	52.6	287.3	50,100 *	64.3	296.4	55,900 *b																75
80	48.9	283.2	47,500 *	61.1	293.8	55,200 *	67.6	297.1	56,200 *b													80
85	45.0	278.5	45,000 *	57.7	290.9	54,500 *	64.5	294.9	55,800 *b													85
90	40.7	273.1	42,700 *	54.3	287.5	53,800 *	61.3	292.3	55,300 *													90
95	36.1	266.8	40,500 *	50.7	283.6	53,000 *	58.0	289.4	54,800 *													95
100	30.9	259.3	38,400 *	46.8	279.3	49,800 *	54.5	286.1	53,400 *													100
105	24.8	249.8	36,600 *	42.8	274.2	47,000 *	50.9	282.3	51,100 *	62.6	289.4	47,100										105
110	16.7	236.6	35,200 *	38.4	268.4	44,300 *	47.1	277.9	48,300 *	59.3	286.7	44,400										110
115				33.5	261.5	42,000 *	43.1	272.9	45,700 *	55.9	283.5	42,000										115
120				27.9	253.1	39,800 *	38.7	267.1	43,400 *	52.4	279.9	39,900										120
125				20.9	242.1	37,800 *	33.8	260.3	41,300 *	48.7	275.7	37,900										125
130				10.3	224.2	35,900 *	28.3	252.0	39,300 *	44.7	271.0	36,000	57.0	279.1	32,000							130
135							21.5	241.3	37,500 *	40.5	265.6	34,400	53.5	275.6	30,500							135
140							11.3	224.3	35,800 *	35.8	259.2	32,800	49.8	271.7	29,100							140
145										30.6	251.6	31,300	46.0	267.2	27,800							145
150										24.4	242.0	30,000	41.9	262.0	26,600							150
155										16.1	228.5	28,700	37.4	255.9	25,400	50.6	265.7	22,200				155
160													32.3	248.7	24,400	46.8	261.3	21,200				160
170													19.1	228.0	22,400	38.3	250.4	19,500				170
180																27.8	235.1	18,000	43.1	248.4	15,300	180
190																10.1	206.0	16,500	33.8	235.8	14,100	190
200																			21.5	216.8	13,000	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 110 Ft. Jib

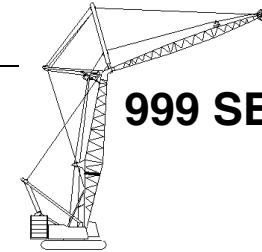
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	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	71.0	311.9	53,000 *b																			50
55	68.2	310.0	52,100 *b																			55
60	65.4	307.9	51,200 *																			60
65	62.5	305.5	50,400 *																			65
70	59.5	302.7	49,600 *	69.6	309.4	53,400 *b																70
75	56.5	299.6	47,500 *	66.8	307.4	52,800 *b																75
80	53.3	296.0	45,300 *	63.9	305.1	52,200 *																80
85	50.0	292.1	43,100 *	61.0	302.5	51,700 *	67.0	305.9	52,300 *b													85
90	46.5	287.6	41,000 *	57.9	299.5	51,100 *	64.1	303.6	52,000 *													90
95	42.8	282.5	39,000 *	54.8	296.2	50,500 *	61.2	301.0	51,700 *													95
100	38.8	276.7	37,000 *	51.6	292.5	49,100 *	58.1	298.1	51,300 *													100
105	34.4	270.0	35,300 *	48.1	288.2	46,900 *	55.0	294.8	50,000 *													105
110	29.5	262.0	33,600 *	44.5	283.5	44,300 *	51.8	291.1	48,000 *	62.3	298.1	44,400										110
115	23.6	252.0	32,100 *	40.7	278.0	42,000 *	48.4	286.9	45,700 *	59.4	295.3	42,000										115
120	15.9	238.1	31,000 *	36.5	271.8	39,800 *	44.8	282.1	43,400 *	56.3	292.2	39,800										120
125				31.9	264.4	37,800 *	41.0	276.8	41,200 *	53.1	288.6	37,800										125
130				26.6	255.5	36,000 *	36.8	270.6	39,300 *	49.8	284.6	36,000										130
135				20.0	243.9	34,300 *	32.2	263.3	37,500 *	46.3	280.1	34,300	57.3	287.8	30,400							135
140				9.8	225.0	32,700 *	26.9	254.5	35,800 *	42.5	275.0	32,800	54.1	284.4	29,000							140
145							20.5	243.1	34,200 *	38.5	269.2	31,300	50.8	280.5	27,700							145
150							10.8	225.2	32,800 *	34.1	262.4	30,000	47.4	276.2	26,500							150
155										29.2	254.3	28,700	43.7	271.3	25,400							155
160										23.3	244.1	27,600	39.8	265.7	24,400	51.5	274.5	21,200				160
170													30.8	251.6	22,400	44.5	265.5	19,500				170
180													18.2	229.6	20,700	36.5	253.8	18,000				180
190																26.5	237.5	16,600	41.0	252.3	14,100	190
200																9.7	206.9	15,300	32.2	238.8	13,000	200
210																		20.5	218.6	12,000		210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 120 Ft. Jib

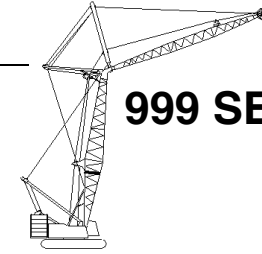
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	
50	72.7	322.4	49,900 *b																			50
55	70.1	320.7	49,100 *b																			55
60	67.6	318.8	48,300 *																			60
65	65.0	316.6	47,600 *																			65
70	62.3	314.1	46,600 *																			70
75	59.6	311.3	44,700 *	68.8	318.2	49,400 *																75
80	56.8	308.2	42,800 *	66.2	316.1	48,900 *																80
85	53.9	304.8	40,900 *	63.6	313.8	48,400 *																85
90	50.8	300.9	39,100 *	60.9	311.1	47,900 *	66.4	314.6	48,300 *													90
95	47.7	296.6	37,300 *	58.1	308.2	46,700 *	63.8	312.3	48,100 *													95
100	44.4	291.8	35,500 *	55.3	304.9	45,300 *	61.1	309.7	47,800 *													100
105	40.8	286.4	33,800 *	52.3	301.2	43,900 *	58.3	306.7	46,800 *													105
110	37.1	280.2	32,300 *	49.2	297.2	42,500 *	55.5	303.5	45,600 *													110
115	32.9	273.0	30,800 *	46.0	292.6	41,100 *	52.5	299.8	44,200 *	62.1	306.8	41,500										115
120	28.2	264.5	29,400 *	42.6	287.5	39,300 *	49.4	295.8	42,900 *	59.4	304.0	39,400										120
125	22.6	254.0	28,200 *	38.9	281.7	37,400 *	46.2	291.3	40,700 *	56.6	300.9	37,400										125
130	15.3	239.4	27,300 *	34.9	275.0	35,500 *	42.8	286.2	38,800 *	53.7	297.4	35,600										130
135				30.5	267.2	33,900 *	39.2	280.4	37,000 *	50.7	293.5	33,900										135
140				25.4	257.8	32,300 *	35.2	273.8	35,300 *	47.5	289.2	32,400	57.5	296.4	28,600							140
145				19.1	245.6	30,800 *	30.8	266.1	33,800 *	44.2	284.3	31,000	54.6	293.1	27,300							145
150				9.4	225.9	29,500 *	25.8	256.8	32,300 *	40.6	278.8	29,600	51.6	289.3	26,100							150
155							19.6	244.9	31,000 *	36.8	272.6	28,400	48.5	285.1	25,000							155
160							10.3	226.2	29,700 *	32.6	265.4	27,200	45.3	280.5	23,900							160
170										22.3	246.1	25,100	38.1	269.2	22,000	49.2	279.2	19,000				170
180													29.5	254.3	20,400	42.5	269.5	17,600				180
190													17.4	231.2	18,800	34.9	257.0	16,200	46.2	266.8	13,700	190
200																25.4	239.8	15,000	39.2	255.9	12,600	200
210																9.3	207.7	13,800	30.8	241.6	11,600	210
220																			19.6	220.4	10,700	220



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 130 Ft. Jib

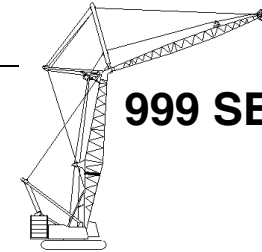
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	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		
50	74.0	332.9	46,800 *b																			50	
55	71.7	331.3	46,100 *																			55	
60	69.4	329.5	45,400 *																			60	
65	67.0	327.5	44,700 *																			65	
70	64.6	325.3	43,400 *																			70	
75	62.1	322.8	41,900 *	70.5	328.8	46,000 *																75	
80	59.6	320.0	40,300 *	68.1	327.0	45,600 *																80	
85	57.0	316.9	38,700 *	65.8	324.8	45,100 *																85	
90	54.3	313.5	37,100 *	63.3	322.5	44,200 *																90	
95	51.6	309.7	35,500 *	60.8	319.8	42,900 *	65.9	323.3	44,600 *													95	
100	48.7	305.6	34,000 *	58.3	316.9	41,700 *	63.5	321.0	44,000 *													100	
105	45.7	300.9	32,500 *	55.6	313.6	40,400 *	61.0	318.3	42,900 *													105	
110	42.5	295.8	31,000 *	52.9	310.0	39,100 *	58.4	315.4	41,800 *													110	
115	39.2	290.0	29,600 *	50.1	306.0	37,900 *	55.8	312.2	40,600 *													115	
120	35.5	283.4	28,300 *	47.2	301.6	36,700 *	53.1	308.6	39,400 *	62.0	315.4	39,100										120	
125	31.6	275.9	27,100 *	44.1	296.7	35,500 *	50.3	304.6	38,200 *	59.5	312.6	37,100										125	
130	27.1	267.0	26,000 *	40.8	291.3	34,400 *	47.4	300.3	37,000 *	56.9	309.5	35,300										130	
135	21.7	256.0	25,000 *	37.3	285.1	33,300 *	44.3	295.4	35,900 *	54.2	306.1	33,700										135	
140	14.7	240.8	24,200 *	33.5	278.1	32,000 *	41.0	290.0	34,800 *	51.4	302.3	32,100										140	
145				29.3	269.9	30,600 *	37.6	283.9	33,400 *	48.5	298.1	30,700	57.7	305.1	27,000								145
150				24.4	260.0	29,200 *	33.8	276.9	32,000 *	45.5	293.4	29,400	55.0	301.8	25,800								150
155				18.3	247.2	27,900 *	29.6	268.8	30,700 *	42.4	288.3	28,100	52.3	298.1	24,700								155
160				9.0	226.7	26,700 *	24.8	259.1	29,400 *	39.0	282.4	27,000	49.5	294.0	23,700								160
170							9.9	227.0	27,100 *	31.3	268.2	24,900	43.4	284.5	21,800	52.9	292.1	18,700					170
180										21.4	248.0	23,000	36.5	272.6	20,100	47.1	283.7	17,300					180
190													28.3	256.8	18,600	40.8	273.3	15,900					190
200													16.8	232.7	17,200	33.5	260.1	14,700	44.3	270.9	12,300		200
210																24.3	242.0	13,600	37.6	259.4	11,400		210
220																8.9	208.5	12,600	29.6	244.3	10,500		220
230																			18.8	222.1	9,700		230



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 140 Ft. Jib

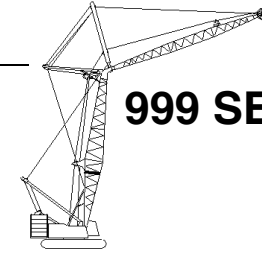
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.2	343.2	43,800 *b																			50
55	73.1	341.8	43,100 *																			55
60	70.9	340.2	42,500 *																			60
65	68.7	338.3	41,300 *																			65
70	66.5	336.3	40,100 *																			70
75	64.3	334.0	38,900 *																			75
80	62.0	331.5	37,600 *	69.8	337.7	42,300 *																80
85	59.6	328.7	36,300 *	67.6	335.7	41,600 *																85
90	57.2	325.6	34,900 *	65.3	333.5	40,500 *																90
95	54.8	322.2	33,600 *	63.1	331.1	39,300 *	67.7	334.2	41,100 *													95
100	52.2	318.5	32,300 *	60.8	328.5	38,100 *	65.5	332.0	40,200 *													100
105	49.6	314.5	31,000 *	58.4	325.5	36,800 *	63.2	329.6	39,100 *													105
110	46.8	310.0	29,700 *	55.9	322.3	35,600 *	60.9	327.0	38,100 *													110
115	44.0	305.1	28,500 *	53.4	318.8	34,400 *	58.5	324.1	37,000 *													115
120	40.9	299.6	27,300 *	50.8	314.9	33,200 *	56.1	320.9	35,800 *													120
125	37.7	293.5	26,100 *	48.2	310.6	32,100 *	53.6	317.3	34,700 *	61.8	324.1	36,700										125
130	34.2	286.6	25,000 *	45.3	305.9	30,900 *	51.0	313.5	33,500 *	59.5	321.3	34,900										130
135	30.4	278.7	24,000 *	42.4	300.7	29,800 *	48.3	309.2	32,400 *	57.1	318.2	33,300										135
140	26.1	269.4	23,100 *	39.3	294.9	28,800 *	45.5	304.6	31,300 *	54.6	314.8	31,700										140
145	20.9	257.9	22,200 *	35.9	288.4	27,800 *	42.6	299.4	30,200 *	52.1	311.1	30,300										145
150	14.1	242.0	21,600 *	32.3	281.0	26,800 *	39.5	293.7	29,100 *	49.4	307.0	29,000	57.9	313.8	25,400							150
155				28.2	272.4	25,900 *	36.1	287.2	28,100 *	46.7	302.5	27,800	55.4	310.5	24,300							155
160				23.5	262.1	25,100 *	32.5	279.9	27,200 *	43.8	297.6	26,600	52.9	306.9	23,200							160
170				8.7	227.5	23,700 *	23.8	261.2	25,400 *	37.5	285.9	24,500	47.6	298.5	21,400							170
180							9.6	227.9	24,000 *	30.1	271.0	22,700	41.7	288.4	19,700	50.8	296.9	16,800				180
190										20.6	249.9	21,000	35.1	275.8	18,200	45.3	287.9	15,500				190
200													27.2	259.3	16,900	39.2	276.9	14,300				200
210													16.1	234.2	15,700	32.2	263.0	13,300	42.6	274.9	10,900	210
220																23.4	244.1	12,300	36.1	262.7	10,100	220
230																8.6	209.2	11,300	28.5	246.9	9,300	230
240																			18.1	223.7	8,500	240



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 150 Ft. Jib

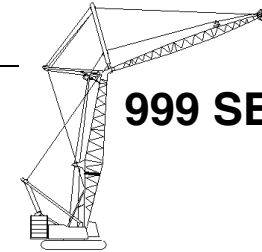
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	
55	74.2	352.2	39,800 *																			55
60	72.2	350.7	38,900 *																			60
65	70.2	349.0	38,000 *																			65
70	68.2	347.1	37,000 *																			70
75	66.1	345.0	36,000 *																			75
80	64.0	342.7	35,000 *																			80
85	61.8	340.1	33,900 *	69.1	346.5	38,300 *																85
90	59.7	337.3	32,700 *	67.1	344.5	37,200 *																90
95	57.4	334.3	31,500 *	65.0	342.3	36,100 *																95
100	55.1	330.9	30,400 *	62.9	339.8	35,000 *	67.2	343.0	36,800 *													100
105	52.8	327.3	29,200 *	60.7	337.1	33,800 *	65.1	340.7	35,900 *													105
110	50.3	323.3	28,100 *	58.5	334.2	32,700 *	63.0	338.3	34,900 *													110
115	47.8	319.0	27,000 *	56.2	331.0	31,500 *	60.9	335.6	33,800 *													115
120	45.2	314.2	26,000 *	53.9	327.5	30,400 *	58.6	332.7	32,800 *													120
125	42.4	309.0	25,000 *	51.5	323.7	29,200 *	56.4	329.5	31,700 *													125
130	39.5	303.2	24,000 *	49.0	319.5	28,100 *	54.1	326.1	30,600 *	61.7	332.8	33,300 *										130
135	36.4	296.8	23,100 *	46.4	315.0	27,100 *	51.7	322.3	29,500 *	59.5	330.0	32,500 *										135
140	33.0	289.6	22,200 *	43.7	310.0	26,000 *	49.2	318.2	28,400 *	57.3	326.9	31,600										140
145	29.3	281.3	21,400 *	40.9	304.5	25,000 *	46.6	313.6	27,300 *	55.0	323.5	30,200										145
150	25.2	271.6	20,600 *	37.9	298.4	24,000 *	43.9	308.7	26,300 *	52.6	319.9	28,900										150
155	20.2	259.7	19,900 *	34.7	291.6	23,100 *	41.1	303.2	25,300 *	50.2	315.9	27,700	58.0	322.4	24,100							155
160	13.6	243.2	19,300 *	31.1	283.9	22,200 *	38.1	297.2	24,300 *	47.6	311.5	26,500	55.7	319.2	23,100							160
170				22.7	264.2	20,600 *	31.4	282.8	22,500 *	42.2	301.5	24,400	51.0	311.7	21,300							170
180				8.4	228.2	19,300 *	23.0	263.3	20,900 *	36.2	289.2	22,600	45.8	302.9	19,600							180
190							9.2	228.7	19,500 *	29.1	273.6	20,900	40.3	292.2	18,100	49.0	301.6	15,400				190
200										19.9	251.7	19,400	33.9	278.9	16,800	43.7	292.0	14,200				200
210													26.3	261.7	15,600	37.9	280.4	13,200	46.6	289.1	10,800	210
220													15.6	235.6	14,500	31.1	265.9	12,200	41.1	278.7	10,000	220
230																22.6	246.1	11,300	34.9	265.9	9,200	230
240																8.3	210.0	10,400	27.5	249.4	8,500	240
250																			17.5	225.3	7,800	250



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

200 Ft. Boom, 160 Ft. Jib

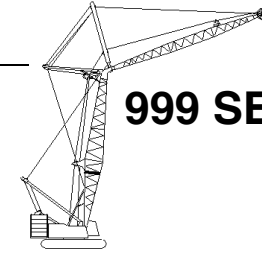
Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	75.2	362.6	36,100 *																			55
60	73.4	361.2	35,400 *																			60
65	71.5	359.6	34,700 *																			65
70	69.6	357.8	33,900 *																			70
75	67.7	355.9	33,100 *																			75
80	65.7	353.7	32,100 *																			80
85	63.7	351.4	30,900 *	70.5	357.1	34,300 *																85
90	61.7	348.8	29,800 *	68.6	355.3	34,000 *																90
95	59.7	346.0	28,600 *	66.7	353.2	32,900 *																95
100	57.6	342.9	27,500 *	64.7	351.0	31,800 *																100
105	55.4	339.6	26,300 *	62.7	348.5	30,700 *	66.8	351.7	32,200 *													105
110	53.2	336.0	25,200 *	60.7	345.8	29,600 *	64.8	349.4	31,600 *													110
115	51.0	332.1	24,200 *	58.6	342.9	28,500 *	62.8	347.0	30,600 *													115
120	48.6	327.9	23,200 *	56.5	339.7	27,300 *	60.8	344.3	29,600 *													120
125	46.2	323.3	22,200 *	54.3	336.2	26,200 *	58.7	341.4	28,600 *													125
130	43.6	318.3	21,200 *	52.1	332.5	25,200 *	56.6	338.2	27,500 *													130
135	41.0	312.8	20,300 *	49.7	328.4	24,100 *	54.4	334.8	26,400 *	61.6	341.4	29,100 *										135
140	38.2	306.8	19,400 *	47.4	324.0	23,100 *	52.2	331.1	25,400 *	59.6	338.6	28,400 *										140
145	35.2	300.1	18,500 *	44.9	319.2	22,100 *	49.9	327.0	24,400 *	57.5	335.6	27,600 *										145
150	31.9	292.5	17,700 *	42.3	313.9	21,100 *	47.5	322.6	23,300 *	55.3	332.2	26,600 *										150
155	28.4	283.9	17,000 *	39.5	308.2	20,200 *	45.0	317.9	22,300 *	53.1	328.6	25,700 *										155
160	24.3	273.8	16,200 *	36.6	301.8	19,300 *	42.5	312.6	21,400 *	50.8	324.7	24,800 *										160
170	13.2	244.4	15,000 *	30.1	286.6	17,700 *	36.8	300.6	19,600 *	46.0	315.8	22,900 *	53.8	324.4	20,800							170
180				22.0	266.1	16,200 *	30.4	285.5	17,900 *	40.8	305.3	21,000 *	49.2	316.4	19,200							180
190				8.1	228.9	15,000 *	22.3	265.3	16,400 *	35.0	292.4	19,300 *	44.3	307.0	17,700	52.0	314.5	15,000				190
200							8.9	229.5	15,200 *	28.2	276.2	17,600 *	38.9	295.8	16,400	47.3	306.0	13,800				200
210										19.2	253.4	16,200 *	32.8	281.9	15,200	42.2	296.0	12,800				210
220													25.4	264.0	14,200	36.6	283.8	11,800	45.0	293.4	9,500	220
230													15.1	236.9	13,100	30.1	268.6	10,900	39.7	282.4	8,800	230
240																21.9	248.1	10,100	33.7	269.0	8,100	240
250																8.0	210.7	9,300	26.6	251.8	7,400	250
260																			16.9	226.8	6,800	260



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 360 Degree Rating

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



999 SERIES 3

200 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	
60	74.4	371.6	32,300 *																			60
65	72.6	370.1	31,700 *																			65
70	70.8	368.5	31,000 *																			70
75	69.1	366.6	30,400 *																			75
80	67.2	364.6	29,600 *																			80
85	65.4	362.4	28,400 *																			85
90	63.5	360.0	27,300 *	69.9	366.0	30,100 *																90
95	61.6	357.5	26,200 *	68.1	364.0	29,800 *																95
100	59.7	354.6	25,100 *	66.3	361.9	29,200 *																100
105	57.7	351.6	24,000 *	64.4	359.6	28,100 *																105
110	55.7	348.3	23,000 *	62.5	357.2	27,000 *	66.4	360.4	28,200 *													110
115	53.6	344.8	22,000 *	60.6	354.4	26,000 *	64.5	358.1	28,000 *													115
120	51.5	341.0	21,000 *	58.7	351.5	24,900 *	62.7	355.7	27,000 *													120
125	49.3	336.8	20,000 *	56.7	348.4	23,900 *	60.8	353.0	26,000 *													125
130	47.1	332.4	19,000 *	54.6	344.9	22,800 *	58.8	350.1	25,000 *													130
135	44.7	327.5	18,100 *	52.5	341.2	21,800 *	56.8	346.9	24,000 *													135
140	42.3	322.2	17,300 *	50.4	337.3	20,800 *	54.8	343.5	23,000 *	61.5	350.1	25,400 *										140
145	39.7	316.5	16,400 *	48.2	333.0	19,900 *	52.7	339.8	22,000 *	59.6	347.3	25,000 *										145
150	37.0	310.2	15,700 *	45.9	328.3	18,900 *	50.5	335.9	21,000 *	57.6	344.2	24,100 *										150
155	34.1	303.2	14,900 *	43.5	323.2	18,000 *	48.3	331.6	20,100 *	55.6	340.9	23,200 *										155
160	31.0	295.3	14,200 *	41.0	317.7	17,200 *	46.0	327.0	19,100 *	53.5	337.4	22,400 *										160
170	23.6	276.0	12,800 *	35.5	305.0	15,600 *	41.1	316.5	17,400 *	49.2	329.4	20,500 *	56.2	336.6	20,500							170
180	12.8	245.5	11,200 *	29.2	289.2	14,100 *	35.7	303.8	15,800 *	44.6	320.0	18,700 *	52.1	329.3	18,900							180
190				21.3	268.0	12,500 *	29.4	288.2	14,200 *	39.6	308.9	17,000 *	47.7	320.9	17,500							190
200				7.9	229.6	10,900 *	21.6	267.2	12,600 *	33.9	295.5	15,500 *	42.9	311.0	16,200	50.4	319.3	13,500				200
210							8.7	230.3	11,000 *	27.3	278.6	14,000 *	37.7	299.2	15,000	45.8	310.3	12,500				210
220										18.7	255.1	12,300 *	31.8	284.8	13,900	40.9	299.8	11,500				220
230													24.7	266.2	12,900	35.5	287.0	10,700	43.6	297.4	8,500	230
240													14.6	238.2	11,800 *	29.2	271.2	9,900	38.5	286.0	7,800	240
250																21.3	250.0	9,100	32.7	272.0	7,100	250
260																7.8	211.4	8,400	25.8	254.1	6,500	260
270																			16.4	228.3	6,000	270