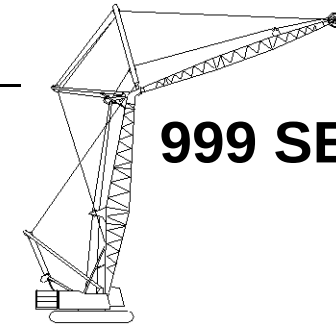


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 1 280 kg minimum block weight.

Lower boom point assembly must be completely removed on 51.8m boom length.

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

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 13mm in 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. 196199** (Boom No. 22EL) or **No. 196200** (Boom No. 82), Wire Rope Specification chart **No. 8247-A** and Luffing Jib Raising Procedure chart **No. 8248-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

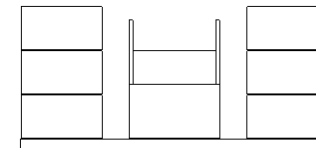
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8249-A**.

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

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

MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps or four 35 mm boom pendants, 8 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays and 67 860 kg counterweight.

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



67 860 kg Crane Counterweight
6 Side Boxes - 1 Center Box

Boom Catwalks Deduct

Deduct 150 kg from capacities
when boom catwalks are attached.

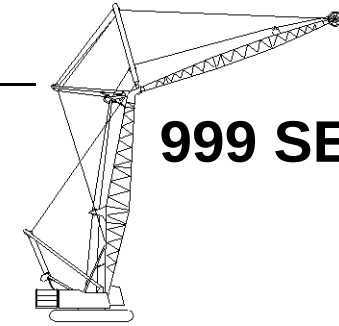
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	64.3	43.0	46 100 *b																			12.2
14.0	58.8	42.0	43 500 *b	64.5	42.8	47 300 b																14.0
16.0	52.3	40.6	41 700 *b	58.4	41.7	42 500 b	61.8	42.1	41 300 b													16.0
18.0	45.2	38.9	37 600	51.8	40.3	36 200	55.5	40.9	35 400 b													18.0
20.0	37.0	36.6	32 800	44.6	38.5	31 600	48.7	39.4	31 000	54.8	40.3	29 800 b										20.0
22.0	26.8	33.4	28 300	36.3	36.2	28 000	41.0	37.4	27 400	47.9	38.7	26 400	54.0	39.5	25 500 b							22.0
24.0				25.9	32.9	25 100	32.0	34.7	24 600	40.2	36.7	23 700	47.1	37.9	22 800							24.0
26.0										31.0	33.9	21 400	39.2	35.8	20 600	45.9	36.8	19 800				26.0
28.0										18.0	29.5	19 500	29.7	32.8	18 800	37.9	34.6	18 000	44.5	35.6	17 400	28.0
30.0													15.8	28.1	17 100	28.0	31.5	16 500	36.2	33.2	15 900	30.0
32.0																12.4	26.1	15 100	25.8	29.9	14 600	32.0

REFERENCE ONLY!

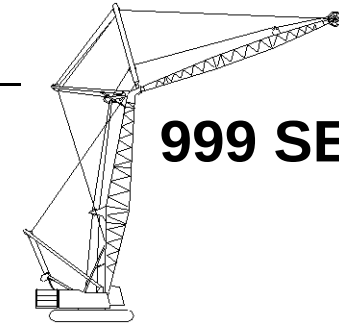
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	67.7	46.3	43 100 *b																			12.2
14.0	63.1	45.5	40 600 *b	67.8	46.1	44 300 *b																14.0
16.0	57.7	44.4	38 700 *b	62.7	45.2	41 100 b	65.5	45.5	41 200 b													16.0
18.0	51.9	42.9	36 300 *	57.2	44.1	36 200	60.3	44.5	35 300 b													18.0
20.0	45.6	41.2	32 700	51.5	42.6	31 500	54.7	43.2	30 800	59.7	44.0	29 700 b										20.0
22.0	38.6	39.0	29 000	45.2	40.8	28 000	48.7	41.7	27 300	54.1	42.6	26 300										22.0
24.0	30.3	36.1	26 000	38.1	38.6	25 000	42.1	39.7	24 500	48.1	41.0	23 600	53.4	41.9	22 700							24.0
26.0				29.6	35.6	22 600	34.5	37.2	22 100	41.4	39.0	21 300	47.3	40.2	20 500	52.5	40.9	19 700				26.0
28.0				18.0	31.1	20 200	25.0	33.7	20 100	33.7	36.4	19 400	40.5	38.1	18 600	46.3	39.1	17 900				28.0
30.0										23.9	32.8	17 700	32.6	35.4	17 100	39.4	37.0	16 400				30.0
32.0										5.0	25.0	16 200	22.5	31.6	15 700	31.3	34.2	15 100	38.0	35.6	14 500	32.0
34.0																20.5	30.1	13 900	29.5	32.6	13 400	34.0
36.0																			17.8	28.1	12 400	36.0

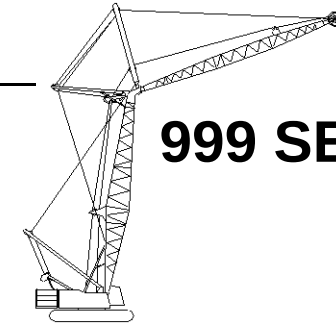
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.3	49.6	37 800 *b																			12.2
14.0	66.3	48.9	35 600 *b																			14.0
16.0	61.6	47.9	34 100 *	65.9	48.6	36 400 *b																16.0
18.0	56.7	46.7	32 000 *	61.2	47.6	34 300 *	63.8	48.0	34 900													18.0
20.0	51.6	45.3	30 300 *	56.4	46.4	31 500	59.1	46.9	30 800													20.0
22.0	46.0	43.5	28 600	51.2	44.9	27 900	54.1	45.6	27 300	58.6	46.3	26 300										22.0
24.0	39.9	41.4	26 000	45.6	43.2	25 000	48.7	44.0	24 400	53.6	45.0	23 500										24.0
26.0	32.8	38.6	23 400	39.4	41.0	22 600	42.9	42.0	22 100	48.2	43.3	21 200	52.9	44.2	20 400							26.0
28.0	24.1	34.9	20 800	32.3	38.2	20 600	36.3	39.6	20 100	42.3	41.4	19 300	47.5	42.5	18 600							28.0
30.0				23.3	34.4	18 800	28.6	36.5	18 400	35.6	38.9	17 700	41.5	40.5	17 000	46.6	41.4	16 300				30.0
32.0				7.5	27.2	15 900	18.0	31.8	16 900	27.7	35.6	16 300	34.8	37.9	15 600	40.6	39.3	15 000	45.5	40.2	14 400	32.0
34.0										16.6	30.7	15 000	26.6	34.5	14 400	33.6	36.7	13 800	39.3	38.0	13 300	34.0
36.0													14.7	29.2	13 400	25.1	33.2	12 800	32.2	35.2	12 300	36.0
38.0																12.0	27.2	11 900	23.2	31.4	11 400	38.0

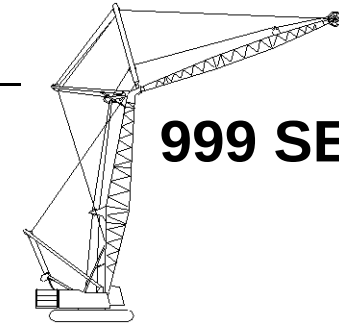
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	72.4	52.8	35 300 *b																			12.2
14.0	68.8	52.2	33 800 *b																			14.0
16.0	64.7	51.3	31 700 *	68.5	51.9	33 900 *b																16.0
18.0	60.4	50.3	29 800 *	64.3	51.0	31 900 *																18.0
20.0	56.0	49.0	28 100 *	60.1	50.0	30 000 *	62.5	50.4	30 700													20.0
22.0	51.3	47.6	26 500 *	55.7	48.7	27 900	58.1	49.2	27 100													22.0
24.0	46.3	45.8	25 100 *	51.0	47.2	24 900	53.6	47.9	24 300	57.7	48.7	23 400										24.0
26.0	40.9	43.7	23 400	45.9	45.5	22 500	48.8	46.3	22 000	53.1	47.3	21 100	57.1	47.9	20 200							26.0
28.0	34.7	41.1	21 300	40.4	43.3	20 500	43.5	44.3	20 000	48.3	45.6	19 200	52.5	46.5	18 400							28.0
30.0	27.5	37.8	19 500	34.2	40.7	18 800	37.8	42.0	18 300	43.0	43.7	17 600	47.6	44.8	16 800							30.0
32.0	17.6	33.0	16 000	26.8	37.3	17 300	31.1	39.1	16 900	37.2	41.3	16 200	42.3	42.8	15 500	46.9	43.8	14 800				32.0
34.0				16.7	32.3	15 700	22.8	35.2	15 600	30.4	38.3	15 000	36.4	40.4	14 300	41.5	41.7	13 700	45.9	42.5	13 100	34.0
36.0										21.8	34.2	13 900	29.5	37.3	13 300	35.4	39.2	12 700	40.4	40.3	12 200	36.0
38.0										6.4	26.3	12 800	20.6	33.0	12 300	28.3	36.0	11 800	34.2	37.7	11 300	38.0
40.0																18.9	31.4	11 000	26.8	34.3	10 500	40.0
42.0																			16.6	29.3	9 800	42.0

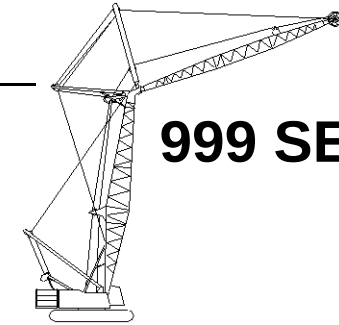
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.0	56.0	33 400 *b																			12.2
14.0	70.8	55.4	32 300 *b																			14.0
16.0	67.1	54.6	30 500 *																			16.0
18.0	63.3	53.7	28 700 *	66.8	54.4	30 600 *																18.0
20.0	59.4	52.6	27 100 *	63.1	53.4	28 900 *	65.1	53.8	29 800													20.0
22.0	55.4	51.4	25 600 *	59.1	52.3	27 200	61.3	52.8	27 200													22.0
24.0	51.1	49.9	24 300 *	55.1	51.0	24 900	57.3	51.6	24 300													24.0
26.0	46.6	48.1	23 100	50.8	49.5	22 500	53.2	50.2	21 900	56.9	51.0	21 100										26.0
28.0	41.7	46.0	21 300	46.2	47.8	20 500	48.8	48.6	20 000	52.8	49.6	19 200	56.4	50.2	18 400							28.0
30.0	36.2	43.6	19 500	41.3	45.7	18 800	44.1	46.7	18 300	48.3	47.9	17 600	52.2	48.8	16 900							30.0
32.0	30.0	40.5	18 000	35.8	43.2	17 300	38.9	44.4	16 900	43.6	46.0	16 200	47.8	47.1	15 500	51.6	47.8	14 800				32.0
34.0	22.2	36.4	15 000 *	29.5	40.0	16 000	33.1	41.6	15 600	38.4	43.7	15 000	43.0	45.1	14 300	47.1	46.1	13 700				34.0
36.0				21.5	35.8	14 800	26.2	38.1	14 500	32.5	40.9	13 900	37.7	42.8	13 300	42.2	44.0	12 700				36.0
38.0				8.1	28.3	11 900	16.8	33.0	13 500	25.4	37.3	12 900	31.7	39.9	12 400	36.8	41.6	11 800	41.2	42.7	11 300	38.0
40.0										15.6	31.9	12 000	24.4	36.1	11 500	30.7	38.6	11 100	35.7	40.2	10 600	40.0
42.0													14.0	30.4	10 800	23.1	34.7	10 300	29.4	37.0	9 900	42.0
44.0																11.6	28.3	9 600	21.4	32.8	9 200	44.0

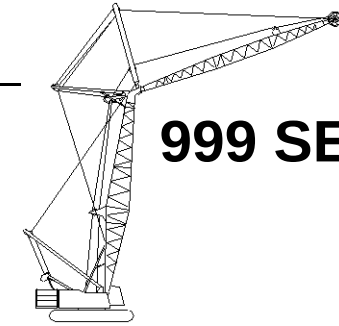
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.4	59.1	30 900 *b																			12.2
14.0	72.4	58.6	29 900 *b																			14.0
16.0	69.1	57.9	28 200 *																			16.0
18.0	65.7	57.1	26 600 *	68.9	57.7	28 300 *																18.0
20.0	62.2	56.1	25 100 *	65.5	56.8	26 800 *	67.3	57.1	27 500 *													20.0
22.0	58.6	55.0	23 800 *	62.0	55.8	25 300 *	63.9	56.2	26 100 *													22.0
24.0	54.9	53.7	22 400 *	58.3	54.7	23 900 *	60.3	55.1	24 200													24.0
26.0	50.9	52.2	21 200 *	54.6	53.4	22 400	56.7	53.9	21 800	60.0	54.6	20 900										26.0
28.0	46.8	50.4	20 100 *	50.6	51.8	20 400	52.8	52.5	19 800	56.3	53.3	19 000										28.0
30.0	42.3	48.4	19 100 *	46.5	50.1	18 600	48.8	50.9	18 200	52.4	51.9	17 400	55.8	52.5	16 700							30.0
32.0	37.4	46.0	17 900	42.0	48.0	17 100	44.5	49.0	16 700	48.4	50.2	16 100	52.0	51.1	15 300							32.0
34.0	31.9	43.1	16 500 *	37.0	45.6	15 900	39.8	46.8	15 500	44.0	48.3	14 800	47.9	49.4	14 200	51.4	50.1	13 500				34.0
36.0	25.4	39.4	14 700 *	31.5	42.6	14 700	34.6	44.1	14 400	39.3	46.1	13 700	43.5	47.4	13 100	47.2	48.4	12 600				36.0
38.0	16.6	34.2	11 800 *	24.8	38.9	13 700	28.7	40.9	13 400	34.1	43.4	12 800	38.7	45.2	12 200	42.8	46.4	11 700				38.0
40.0				15.8	33.5	12 500	21.2	36.6	12 500	28.0	40.1	12 000	33.4	42.4	11 400	38.0	44.0	10 900	41.9	45.0	10 400	40.0
42.0										20.4	35.6	11 200	27.2	39.0	10 700	32.5	41.2	10 200	37.0	42.6	9 700	42.0
44.0										7.2	27.4	10 500	19.2	34.3	10 000	26.1	37.6	9 500	31.4	39.7	9 100	44.0
46.0																17.7	32.6	8 900	24.8	35.9	8 500	46.0
48.0																		8 000	15.7	30.5	8 000	48.0

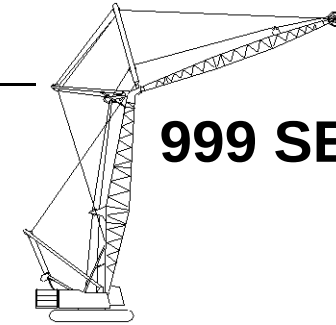
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.2	61.9	25 600 *																			13.7
14.0	73.8	61.8	25 400 *																			14.0
16.0	70.8	61.2	24 000 *																			16.0
18.0	67.7	60.4	22 700 *																			18.0
20.0	64.5	59.5	21 400 *	67.5	60.1	22 700 *																20.0
22.0	61.3	58.5	20 300 *	64.3	59.3	21 500 *	66.0	59.6	22 100 *													22.0
24.0	57.9	57.3	19 200 *	61.0	58.2	20 400 *	62.8	58.6	21 000 *													24.0
26.0	54.4	56.0	18 200 *	57.7	57.0	19 300 *	59.5	57.5	19 900 *	62.5	58.0	20 700										26.0
28.0	50.8	54.5	17 200 *	54.2	55.7	18 300 *	56.1	56.2	18 800 *	59.2	56.9	19 000										28.0
30.0	47.0	52.7	16 400 *	50.5	54.1	17 300 *	52.5	54.8	17 900 *	55.8	55.7	17 300										30.0
32.0	42.9	50.7	15 600 *	46.7	52.4	16 500 *	48.8	53.2	16 600	52.2	54.2	15 900	55.3	54.9	15 200							32.0
34.0	38.4	48.4	14 800 *	42.5	50.3	15 600	44.8	51.3	15 400	48.4	52.5	14 700	51.7	53.4	14 100							34.0
36.0	33.5	45.6	14 200 *	38.1	48.0	14 700	40.6	49.1	14 300	44.4	50.6	13 700	48.0	51.7	13 100	51.2	52.4	12 500				36.0
38.0	27.8	42.2	13 500 *	33.1	45.2	13 700	35.9	46.6	13 300	40.1	48.4	12 700	43.9	49.8	12 100	47.4	50.7	11 600				38.0
40.0	20.8	37.8	11 800 *	27.3	41.8	12 800	30.6	43.5	12 400	35.4	45.9	11 900	39.6	47.5	11 300	43.3	48.7	10 800	46.6	49.4	10 300	40.0
42.0				20.2	37.2	11 900	24.4	39.7	11 600	30.1	42.7	11 100	34.8	44.9	10 600	38.9	46.4	10 100	42.5	47.4	9 600	42.0
44.0				8.4	29.4	9 600 *	16.0	34.3	10 900	23.7	38.8	10 400	29.4	41.7	9 900	34.0	43.7	9 400	38.0	45.0	9 000	44.0
46.0										14.9	33.1	9 800	22.8	37.6	9 300	28.5	40.4	8 900	33.0	42.2	8 400	46.0
48.0													13.5	31.5	8 800	21.6	36.1	8 300	27.3	38.8	7 900	48.0
50.0																11.4	29.4	7 800	20.1	34.2	7 500	50.0

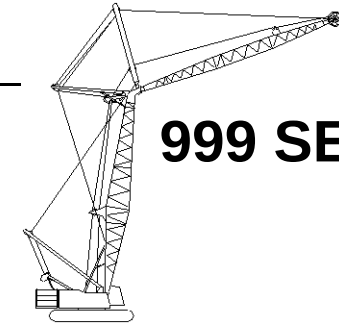
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.4	65.1	23 700 *																			13.7
14.0	75.0	65.0	23 500 *																			14.0
16.0	72.2	64.4	22 200 *																			16.0
18.0	69.4	63.7	20 900 *																			18.0
20.0	66.5	62.9	19 800 *	69.1	63.4	20 900 *																20.0
22.0	63.5	61.9	18 600 *	66.2	62.6	19 800 *																22.0
24.0	60.4	60.9	17 600 *	63.3	61.7	18 700 *	64.9	62.0	19 300 *													24.0
26.0	57.3	59.7	16 600 *	60.2	60.6	17 700 *	61.9	61.0	18 200 *													26.0
28.0	54.1	58.3	15 700 *	57.1	59.4	16 700 *	58.8	59.9	17 300 *	61.6	60.4	18 000 *										28.0
30.0	50.7	56.8	14 800 *	53.8	58.0	15 800 *	55.6	58.6	16 300 *	58.5	59.3	17 100										30.0
32.0	47.1	55.0	14 100 *	50.4	56.4	14 900 *	52.3	57.1	15 400 *	55.3	58.0	15 800										32.0
34.0	43.3	53.0	13 300 *	46.8	54.7	14 100 *	48.8	55.5	14 600 *	52.0	56.5	14 600	54.9	57.2	13 900							34.0
36.0	39.2	50.8	12 600 *	43.0	52.7	13 400 *	45.1	53.6	13 800 *	48.5	54.8	13 500	51.6	55.7	12 900							36.0
38.0	34.8	48.1	12 000 *	38.9	50.4	12 700 *	41.2	51.5	13 100 *	44.8	52.9	12 600	48.0	54.0	12 000							38.0
40.0	29.8	44.9	11 400 *	34.4	47.7	12 000 *	37.0	49.0	12 300	40.8	50.8	11 700	44.3	52.1	11 200	47.5	53.0	10 700				40.0
42.0	23.8	41.0	10 900 *	29.3	44.5	11 500 *	32.2	46.1	11 500	36.5	48.3	11 000	40.3	49.9	10 500	43.7	51.0	10 000				42.0
44.0	15.9	35.4	9 400 *	23.3	40.4	10 900 *	26.8	42.6	10 800	31.7	45.3	10 300	36.0	47.3	9 800	39.7	48.8	9 300	43.0	49.7	8 900	44.0
46.0				15.1	34.7	10 100 *	20.0	38.0	10 200	26.2	41.7	9 700	31.1	44.3	9 200	35.3	46.1	8 700	38.9	47.4	8 300	46.0
48.0										19.2	36.9	9 100	25.4	40.6	8 600	30.3	43.0	8 200	34.4	44.7	7 800	48.0
50.0										7.7	28.6	8 500	18.2	35.6	8 100	24.5	39.2	7 700	29.3	41.5	7 300	50.0
52.0																16.9	33.9	7 300	23.2	37.4	6 900	52.0
54.0																			15.0	31.7	6 500	54.0

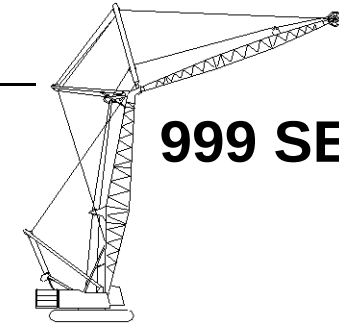
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

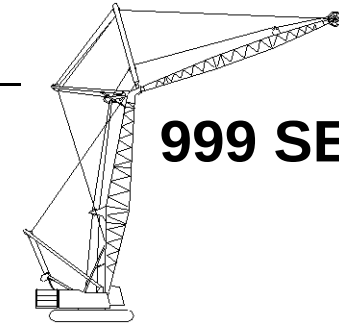
21.3m (70 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.4	67.8	21 000 *																			15.2
16.0	73.4	67.6	20 600 *																			16.0
18.0	70.8	66.9	19 400 *																			18.0
20.0	68.1	66.2	18 300 *	70.6	66.7	19 400 *																20.0
22.0	65.4	65.3	17 300 *	67.9	65.9	18 300 *																22.0
24.0	62.6	64.3	16 200 *	65.2	65.0	17 300 *																24.0
26.0	59.7	63.2	15 300 *	62.4	64.1	16 300 *	63.9	64.4	16 800 *													26.0
28.0	56.8	62.0	14 400 *	59.5	63.0	15 400 *	61.1	63.4	15 900 *													28.0
30.0	53.7	60.6	13 600 *	56.6	61.7	14 500 *	58.2	62.2	15 000 *	60.8	62.8	15 700 *										30.0
32.0	50.6	59.1	12 800 *	53.5	60.3	13 700 *	55.2	60.9	14 100 *	57.9	61.6	14 900 *										32.0
34.0	47.2	57.3	12 100 *	50.3	58.7	12 900 *	52.1	59.4	13 300 *	54.9	60.3	14 100 *										34.0
36.0	43.7	55.4	11 400 *	47.0	57.0	12 100 *	48.8	57.8	12 600 *	51.8	58.8	13 300 *	54.5	59.5	12 900							36.0
38.0	40.0	53.1	10 800 *	43.4	55.0	11 500 *	45.4	55.9	11 900 *	48.5	57.1	12 500 *	51.4	58.0	12 000							38.0
40.0	35.9	50.6	10 200 *	39.7	52.7	10 800 *	41.8	53.8	11 200 *	45.1	55.3	11 700	48.1	56.3	11 100	50.9	57.0	10 600				40.0
42.0	31.3	47.5	9 700 *	35.6	50.1	10 200 *	37.9	51.4	10 600 *	41.4	53.1	10 900	44.6	54.4	10 400	47.6	55.3	9 900				42.0
44.0	26.1	43.9	9 100 *	31.0	47.1	9 700 *	33.6	48.6	10 000 *	37.5	50.7	10 300	40.9	52.2	9 800	44.1	53.3	9 300				44.0
46.0	19.7	39.2	8 700 *	25.7	43.4	9 200 *	28.7	45.3	9 500 *	33.1	47.9	9 600	37.0	49.8	9 200	40.4	51.1	8 700	43.4	52.0	8 300	46.0
48.0				19.1	38.5	8 700 *	23.0	41.2	9 000 *	28.2	44.5	9 100	32.6	46.9	8 600	36.3	48.6	8 200	39.6	49.8	7 700	48.0
50.0				8.7	30.5	7 600 *	15.3	35.4	8 600 *	22.3	40.3	8 600	27.6	43.4	8 100	31.8	45.6	7 700	35.5	47.2	7 300	50.0
52.0										14.4	34.2	8 100	21.5	39.0	7 700	26.7	42.1	7 300	30.9	44.1	6 900	52.0
54.0													13.1	32.6	7 200	20.5	37.5	6 800	25.7	40.4	6 400	54.0
56.0																11.3	30.4	6 400	19.1	35.5	6 100	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.4	71.0	19 400 *																			15.2
16.0	74.5	70.7	18 900 *																			16.0
18.0	72.0	70.1	17 800 *																			18.0
20.0	69.5	69.5	16 800 *																			20.0
22.0	67.0	68.7	15 800 *	69.4	69.2	16 800 *																22.0
24.0	64.4	67.8	14 800 *	66.8	68.4	15 800 *																24.0
26.0	61.8	66.7	13 900 *	64.2	67.5	14 800 *	65.7	67.8	15 300 *													26.0
28.0	59.1	65.6	13 100 *	61.6	66.5	14 000 *	63.1	66.8	14 400 *													28.0
30.0	56.3	64.3	12 300 *	58.9	65.3	13 100 *	60.4	65.8	13 600 *													30.0
32.0	53.4	62.9	11 500 *	56.1	64.0	12 300 *	57.6	64.6	12 700 *	60.1	65.2	13 400 *										32.0
34.0	50.5	61.4	10 800 *	53.2	62.6	11 500 *	54.8	63.2	12 000 *	57.4	64.0	12 600 *										34.0
36.0	47.3	59.6	10 100 *	50.2	61.0	10 800 *	51.9	61.7	11 200 *	54.5	62.6	11 900 *										36.0
38.0	44.1	57.7	9 500 *	47.1	59.3	10 100 *	48.8	60.1	10 600 *	51.6	61.1	11 200 *	54.2	61.8	11 700 *							38.0
40.0	40.6	55.5	8 900 *	43.8	57.3	9 500 *	45.6	58.2	9 900 *	48.5	59.4	10 500 *	51.2	60.3	11 000 *							40.0
42.0	36.8	53.0	8 400 *	40.3	55.1	8 900 *	42.3	56.1	9 300 *	45.3	57.6	9 900 *	48.2	58.6	10 300 *	50.8	59.3	9 800 *				42.0
44.0	32.7	50.1	7 900 *	36.5	52.6	8 400 *	38.6	53.8	8 700 *	41.9	55.5	9 300 *	44.9	56.7	9 600 *	47.7	57.6	9 100 *				44.0
46.0	28.0	46.7	7 400 *	32.4	49.7	7 900 *	34.7	51.1	8 200 *	38.3	53.1	8 700 *	41.5	54.6	9 000 *	44.4	55.6	8 500 *	47.1	56.3	8 100 *	46.0
48.0	22.5	42.4	7 000 *	27.7	46.2	7 400 *	30.3	48.0	7 700 *	34.3	50.4	8 200 *	37.8	52.2	8 500 *	40.9	53.5	8 100 *	43.8	54.3	7 600 *	48.0
50.0	15.3	36.6	6 600 *	22.1	41.9	7 000 *	25.3	44.2	7 200 *	29.9	47.2	7 700 *	33.8	49.4	8 000 *	37.2	51.0	7 500 *	40.3	52.1	7 100 *	50.0
52.0				14.6	35.8	6 600 *	19.1	39.3	6 900 *	24.7	43.3	7 200 *	29.3	46.1	7 500 *	33.1	48.2	7 100 *	36.5	49.6	6 700 *	52.0
54.0										18.3	38.2	6 800 *	24.1	42.1	7 100 *	28.6	44.8	6 700 *	32.3	46.7	6 300 *	54.0
56.0										8.0	29.7	6 500 *	17.4	36.9	6 700 *	23.2	40.7	6 300 *	27.6	43.2	6 000 *	56.0
58.0																16.2	35.1	6 000 *	22.0	38.9	5 600 *	58.0
60.0																			14.5	32.8	5 300 *	60.0

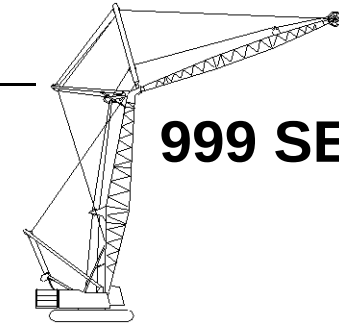
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

21.3m (70 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	73.7	17 100 *																			16.8
18.0	73.1	73.3	16 500 *																			18.0
20.0	70.8	72.7	15 500 *																			20.0
22.0	68.4	71.9	14 600 *																			22.0
24.0	66.0	71.1	13 700 *	68.3	71.7	14 500 *																24.0
26.0	63.6	70.2	12 800 *	65.9	70.8	13 700 *	67.2	71.1	14 100 *													26.0
28.0	61.1	69.1	12 000 *	63.4	69.9	12 800 *	64.8	70.2	13 200 *													28.0
30.0	58.5	68.0	11 200 *	60.9	68.8	12 000 *	62.3	69.2	12 400 *													30.0
32.0	55.9	66.7	10 500 *	58.3	67.7	11 200 *	59.8	68.1	11 700 *	62.0	68.7	12 200 *										32.0
34.0	53.2	65.2	9 800 *	55.7	66.4	10 500 *	57.2	66.9	10 900 *	59.5	67.5	11 500 *										34.0
36.0	50.4	63.7	9 100 *	53.0	64.9	9 800 *	54.5	65.5	10 200 *	56.9	66.3	10 800 *										36.0
38.0	47.4	61.9	8 600 *	50.2	63.3	9 100 *	51.7	64.0	9 600 *	54.2	64.9	10 100 *										38.0
40.0	44.4	60.0	8 000 *	47.2	61.6	8 500 *	48.9	62.4	8 900 *	51.5	63.4	9 500 *	53.9	64.1	10 000 *							40.0
42.0	41.1	57.8	7 400 *	44.1	59.6	8 000 *	45.8	60.5	8 300 *	48.6	61.7	8 900 *	51.1	62.6	9 400 *							42.0
44.0	37.6	55.4	6 900 *	40.8	57.4	7 400 *	42.7	58.5	7 800 *	45.5	59.9	8 300 *	48.2	60.9	8 800 *	50.7	61.6	9 000				44.0
46.0	33.8	52.6	6 500 *	37.3	55.0	7 000 *	39.3	56.2	7 200 *	42.4	57.8	7 700 *	45.2	59.0	8 200 *	47.8	59.9	8 400				46.0
48.0	29.6	49.4	6 100 *	33.5	52.2	6 500 *	35.7	53.6	6 800 *	39.0	55.5	7 200 *	42.0	56.9	7 700 *	44.7	57.9	7 900				48.0
50.0	24.8	45.5	5 600 *	29.3	48.9	6 000 *	31.7	50.6	6 300 *	35.3	52.8	6 700 *	38.5	54.6	7 200 *	41.5	55.8	7 500	44.1	56.6	7 000	50.0
52.0	18.8	40.5	5 100 *	24.4	44.9	5 600 *	27.2	47.0	5 900 *	31.3	49.8	6 300 *	34.8	51.9	6 700 *	38.0	53.4	7 000	40.8	54.5	6 600	52.0
54.0				18.3	39.8	5 100 *	21.8	42.6	5 400 *	26.7	46.2	5 900 *	30.7	48.8	6 200 *	34.2	50.7	6 600	37.3	52.0	6 200	54.0
56.0				8.9	31.6	4 700 *	14.8	36.6	4 900 *	21.3	41.7	5 300 *	26.1	45.1	5 800 *	30.1	47.5	6 200 *	33.5	49.2	5 900	56.0
58.0										13.9	35.4	4 800 *	20.5	40.4	5 300 *	25.3	43.7	5 700 *	29.2	45.9	5 500	58.0
60.0													12.8	33.7	4 800 *	19.5	38.8	5 200 *	24.3	41.9	5 200	60.0
62.0																11.2	31.5	4 800 *	18.2	36.8	4 900	62.0
64.0																			8.7	28.5	4 600	64.0

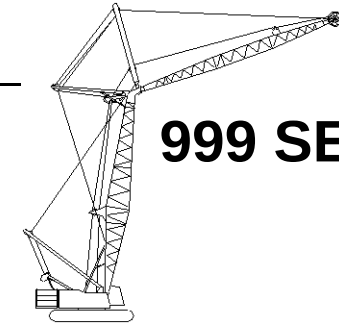
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	64.7	46.1	46 100 *b																			12.2
14.0	59.2	45.1	43 500 *b																			14.0
16.0	52.7	43.8	41 700 *b	59.5	45.0	42 100 b																16.0
18.0	45.6	42.0	37 700	53.1	43.6	36 000	57.2	44.3	35 200 b													18.0
20.0	37.4	39.8	32 800	46.0	41.9	31 500	50.5	42.8	30 700	57.4	43.8	29 400 b										20.0
22.0	27.4	36.6	29 000	38.0	39.7	28 000	43.1	40.9	27 200	50.7	42.4	26 100 b										22.0
24.0	11.1	30.9	21 400 *	28.1	36.6	25 000	34.6	38.5	24 400	43.4	40.5	23 400	50.8	41.7	22 300							24.0
26.0							23.5	34.9	22 000	34.9	38.0	21 100	43.4	39.8	20 200	50.6	40.8	19 200				26.0
28.0										23.9	34.5	19 200	34.9	37.4	18 300	43.2	38.9	17 500				28.0
30.0													24.0	33.8	16 800	34.7	36.4	16 000	42.7	37.7	15 300	30.0
32.0																23.6	32.8	14 700	34.0	35.2	14 000	32.0
34.0																			22.7	31.5	13 000	34.0

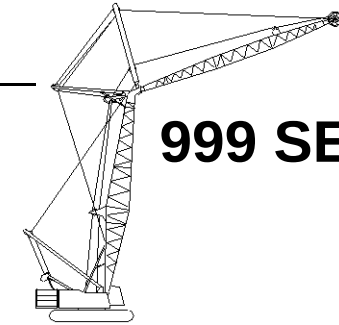
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.0	49.4	43 100 *b																			12.2
14.0	63.3	48.6	40 600 *b																			14.0
16.0	57.9	47.5	38 800 *b	63.6	48.4	41 100 b																16.0
18.0	52.2	46.1	36 400 *	58.3	47.3	36 100	61.7	47.8	35 100 b													18.0
20.0	46.0	44.3	32 800	52.6	45.9	31 400	56.2	46.6	30 600	61.9	47.3	29 300 b										20.0
22.0	39.0	42.2	29 100	46.4	44.2	27 900	50.3	45.1	27 100	56.4	46.1	25 900										22.0
24.0	30.8	39.3	26 100	39.5	42.1	25 000	43.9	43.3	24 300	50.5	44.7	23 200										24.0
26.0	19.8	35.1	22 800 *	31.4	39.3	22 600	36.6	40.9	22 000	44.1	42.8	21 000	50.6	44.0	20 000							26.0
28.0				20.6	35.2	20 500	27.8	37.7	20 000	36.9	40.5	19 100	44.2	42.1	18 200	50.4	43.1	17 400				28.0
30.0							14.9	32.6	18 300	28.1	37.3	17 500	36.9	39.8	16 700	44.0	41.2	15 900				30.0
32.0										15.5	32.3	16 100	28.2	36.7	15 300	36.7	38.8	14 600	43.5	40.0	13 900	32.0
34.0																27.9	35.7	13 500	36.1	37.6	12 800	34.0
36.0																15.0	30.6	12 500	27.2	34.4	11 900	36.0
38.0																			13.7	29.0	11 000	38.0

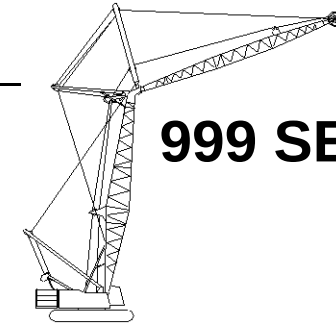
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.6	52.7	37 700 *b																			12.2
14.0	66.5	52.0	35 600 *b																			14.0
16.0	61.9	51.0	34 100 *b	66.8	51.8	36 700 *b																16.0
18.0	57.0	49.8	32 100 *	62.1	50.8	34 600 *	65.1	51.2	34 800 b													18.0
20.0	51.9	48.4	30 400 *	57.3	49.7	31 400	60.4	50.2	30 500													20.0
22.0	46.3	46.6	28 700	52.2	48.2	27 800	55.4	48.9	27 000	60.5	49.7	25 900										22.0
24.0	40.2	44.5	26 100	46.7	46.5	24 900	50.2	47.4	24 200	55.6	48.5	23 100										24.0
26.0	33.3	41.8	23 500	40.6	44.4	22 500	44.5	45.6	21 900	50.4	47.0	20 900	55.6	47.8	19 900							26.0
28.0	24.6	38.2	21 300	33.7	41.8	20 500	38.2	43.3	19 900	44.7	45.1	19 000	50.4	46.3	18 100							28.0
30.0	10.9	32.0	16 500 *	25.2	38.3	18 800	30.8	40.4	18 300	38.4	42.9	17 400	44.7	44.4	16 600	50.2	45.4	15 800				30.0
32.0				12.1	32.3	17 200	21.3	36.3	16 800	31.0	40.0	16 100	38.4	42.2	15 300	44.5	43.5	14 500				32.0
34.0										21.6	35.9	14 800	31.1	39.3	14 100	38.2	41.2	13 400	44.1	42.3	12 700	34.0
36.0													21.7	35.3	13 100	30.9	38.3	12 400	37.8	40.0	11 800	36.0
38.0																21.4	34.3	11 600	30.3	37.1	11 000	38.0
40.0																			20.5	32.9	10 200	40.0

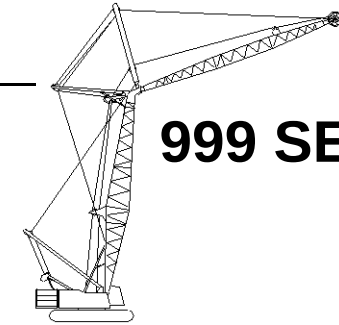
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

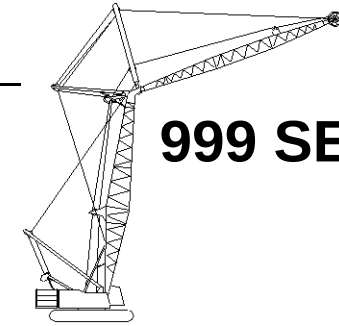
24.4m (80 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	72.6	55.9	35 300 *b																			12.2
14.0	69.0	55.3	33 800 *b																			14.0
16.0	64.9	54.4	31 700 *	69.2	55.1	34 200 *b																16.0
18.0	60.6	53.4	29 800 *	65.1	54.2	32 200 *																18.0
20.0	56.2	52.1	28 100 *	60.9	53.2	30 300	63.6	53.6	30 400													20.0
22.0	51.6	50.7	26 500 *	56.5	52.0	27 800	59.3	52.6	26 900													22.0
24.0	46.6	49.0	25 200 *	51.9	50.6	24 800	54.8	51.3	24 100	59.4	52.1	23 000										24.0
26.0	41.2	46.9	23 400	46.9	48.8	22 400	50.1	49.7	21 800	55.0	50.8	20 800										26.0
28.0	35.1	44.3	21 300	41.5	46.8	20 400	45.0	47.9	19 800	50.2	49.3	18 900	55.0	50.1	18 000							28.0
30.0	27.9	41.1	19 500	35.5	44.3	18 700	39.4	45.7	18 100	45.1	47.4	17 300	50.2	48.6	16 400							30.0
32.0	18.3	36.4	17 400	28.4	41.1	17 200	33.0	42.9	16 700	39.5	45.2	15 900	45.2	46.8	15 100	50.1	47.7	14 400				32.0
34.0				19.0	36.5	15 900	25.3	39.4	15 400	33.2	42.5	14 700	39.6	44.6	14 000	45.0	45.8	13 300				34.0
36.0							14.1	33.8	14 300	25.5	39.0	13 600	33.2	41.8	13 000	39.4	43.6	12 300	44.6	44.6	11 600	36.0
38.0										14.5	33.5	12 700	25.6	38.3	12 100	33.0	40.9	11 400	39.0	42.4	10 800	38.0
40.0																25.3	37.3	10 700	32.6	39.6	10 100	40.0
42.0																14.2	31.7	9 900	24.7	36.0	9 400	42.0
44.0																			13.1	30.1	8 800	44.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.2	59.1	33 200 *b																			12.2
14.0	71.0	58.5	32 200 *b																			14.0
16.0	67.3	57.7	30 400 *																			16.0
18.0	63.5	56.8	28 700 *	67.5	57.6	30 800 *																18.0
20.0	59.7	55.7	27 100 *	63.8	56.7	29 100 *	66.1	57.0	30 000													20.0
22.0	55.6	54.5	25 700 *	59.9	55.6	27 400	62.3	56.0	26 900													22.0
24.0	51.4	53.0	24 300 *	55.8	54.3	24 800	58.4	54.9	24 100													24.0
26.0	46.8	51.3	23 100	51.6	52.9	22 400	54.3	53.6	21 800	58.5	54.4	20 700										26.0
28.0	41.9	49.2	21 400	47.1	51.1	20 400	50.0	52.0	19 800	54.4	53.1	18 900										28.0
30.0	36.5	46.8	19 600	42.2	49.1	18 700	45.3	50.2	18 100	50.1	51.6	17 300	54.5	52.4	16 400							30.0
32.0	30.3	43.7	18 000	36.9	46.7	17 200	40.3	48.0	16 700	45.5	49.7	15 900	50.1	50.9	15 100							32.0
34.0	22.7	39.7	16 300	30.7	43.7	15 900	34.7	45.4	15 500	40.5	47.6	14 700	45.5	49.1	14 000	50.0	50.0	13 300				34.0
36.0	10.7	33.1	12 100 *	23.2	39.8	14 800	28.1	42.2	14 400	34.9	45.0	13 700	40.5	46.9	13 000	45.4	48.1	12 300				36.0
38.0				11.8	33.4	13 600	19.7	37.7	13 300	28.4	41.8	12 700	34.9	44.3	12 100	40.4	46.0	11 400				38.0
40.0										20.0	37.3	11 900	28.4	41.1	11 200	34.7	43.4	10 700	40.0	44.8	10 100	40.0
42.0													20.1	36.6	10 500	28.2	40.1	10 000	34.3	42.1	9 400	42.0
44.0																19.8	35.6	9 300	27.7	38.8	8 800	44.0
46.0																			19.1	34.2	8 300	46.0

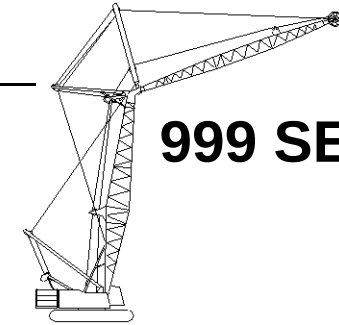
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

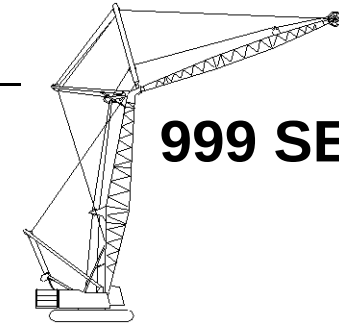
24.4m (80 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.5	62.2	30 800 *b																			12.2
14.0	72.6	61.7	29 800 *b																			14.0
16.0	69.3	61.0	28 100 *																			16.0
18.0	65.9	60.2	26 600 *																			18.0
20.0	62.4	59.2	25 100 *	66.1	60.0	26 900 *																20.0
22.0	58.8	58.1	23 800 *	62.6	59.1	25 500 *	64.8	59.5	26 300													22.0
24.0	55.1	56.8	22 500 *	59.0	57.9	24 100 *	61.3	58.4	24 100													24.0
26.0	51.2	55.3	21 300 *	55.3	56.6	22 300	57.7	57.3	21 600	61.4	58.0	20 600										26.0
28.0	47.0	53.6	20 200 *	51.4	55.2	20 300	53.9	55.9	19 700	57.8	56.8	18 700										28.0
30.0	42.6	51.5	19 200 *	47.3	53.4	18 600	49.9	54.3	18 000	54.0	55.4	17 100										30.0
32.0	37.7	49.2	17 900	42.8	51.4	17 100	45.7	52.5	16 600	50.0	53.9	15 800	54.0	54.7	15 000							32.0
34.0	32.2	46.3	16 600	38.0	49.1	15 800	41.1	50.4	15 400	45.8	52.1	14 600	50.0	53.2	13 800							34.0
36.0	25.8	42.7	15 300	32.6	46.3	14 700	36.1	47.9	14 200	41.2	49.9	13 500	45.8	51.4	12 800	49.9	52.3	12 100				36.0
38.0	17.2	37.6	12 900 *	26.2	42.7	13 700	30.3	44.8	13 200	36.2	47.5	12 600	41.3	49.3	11 900	45.7	50.4	11 300				38.0
40.0				17.8	37.8	12 700	23.4	40.9	12 400	30.5	44.4	11 700	36.3	46.8	11 100	41.1	48.3	10 500	45.4	49.3	9 900	40.0
42.0							13.5	34.9	11 600	23.7	40.5	11 000	30.6	43.7	10 400	36.1	45.8	9 800	40.8	47.1	9 300	42.0
44.0										13.9	34.6	10 300			9 800	30.4	42.8	9 200	35.7	44.6	8 700	44.0
46.0																23.5	38.8	8 600	30.0	41.5	8 100	46.0
48.0																13.6	32.9	8 100	22.9	37.5	7 600	48.0
50.0																			12.6	31.2	7 100	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.4	65.0	25 500 *b																			13.7
14.0	74.0	64.9	25 300 *b																			14.0
16.0	70.9	64.3	24 000 *																			16.0
18.0	67.8	63.5	22 700 *																			18.0
20.0	64.7	62.6	21 400 *	68.0	63.3	22 900 *																20.0
22.0	61.4	61.6	20 300 *	64.9	62.5	21 700 *	66.9	62.8	22 400 *													22.0
24.0	58.1	60.4	19 200 *	61.6	61.4	20 500 *	63.7	61.9	21 200 *													24.0
26.0	54.6	59.1	18 200 *	58.3	60.3	19 500 *	60.4	60.8	20 100 *													26.0
28.0	51.0	57.6	17 300 *	54.8	59.0	18 500 *	57.0	59.6	19 100 *	60.5	60.3	18 600										28.0
30.0	47.2	55.9	16 400 *	51.2	57.5	17 500 *	53.5	58.2	17 900	57.1	59.1	17 000										30.0
32.0	43.1	53.9	15 600 *	47.4	55.7	16 600 *	49.8	56.6	16 500	53.6	57.7	15 600	57.2	58.4	14 800							32.0
34.0	38.7	51.6	14 800 *	43.3	53.8	15 700	45.9	54.8	15 300	49.9	56.2	14 500	53.6	57.0	13 700							34.0
36.0	33.8	48.8	14 200 *	38.9	51.5	14 600	41.7	52.7	14 200	46.0	54.4	13 400	50.0	55.5	12 700							36.0
38.0	28.1	45.5	13 600 *	34.1	48.8	13 600	37.2	50.3	13 200	41.9	52.3	12 500	46.1	53.7	11 800	49.8	54.6	11 200				38.0
40.0	21.2	41.1	12 800 *	28.5	45.5	12 700	32.1	47.4	12 300	37.3	49.9	11 600	41.9	51.6	11 000	46.0	52.7	10 400				40.0
42.0	10.7	34.1	9 800 *	21.7	41.2	11 900	26.2	43.8	11 500	32.3	47.0	10 900	37.4	49.2	10 300	41.8	50.7	9 700	45.7	51.6	9 200	42.0
44.0				11.5	34.5	10 800	18.5	39.0	10 800	26.4	43.4	10 200	32.3	46.3	9 700	37.2	48.2	9 100	41.5	49.5	8 600	44.0
46.0										18.8	38.6	9 600	26.4	42.8	9 100	32.1	45.4	8 500	36.9	47.0	8 000	46.0
48.0													18.9	38.0	8 500	26.2	41.8	8 000	31.8	44.1	7 500	48.0
50.0																18.6	36.9	7 500	25.7	40.4	7 100	50.0
52.0																			18.0	35.5	6 700	52.0

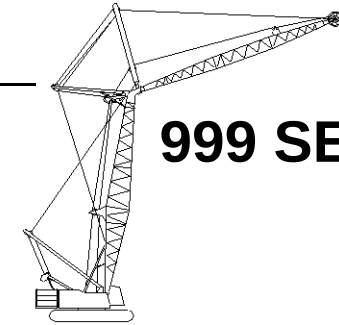
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

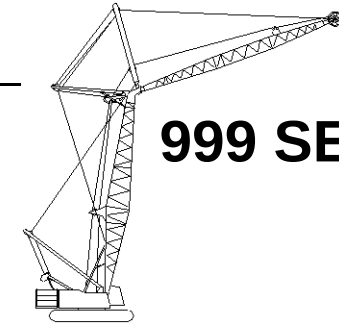
24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	68.1	23 600 *																			13.7
14.0	75.1	68.1	23 400 *																			14.0
16.0	72.3	67.5	22 100 *																			16.0
18.0	69.5	66.8	20 900 *																			18.0
20.0	66.6	66.0	19 800 *	69.7	66.6	21 100 *																20.0
22.0	63.7	65.0	18 700 *	66.8	65.8	20 000 *																22.0
24.0	60.6	64.0	17 600 *	63.8	64.9	18 900 *	65.7	65.2	19 500 *													24.0
26.0	57.5	62.8	16 600 *	60.8	63.8	17 800 *	62.7	64.3	18 500 *													26.0
28.0	54.2	61.4	15 800 *	57.7	62.6	16 900 *	59.6	63.2	17 500 *													28.0
30.0	50.9	59.9	14 900 *	54.4	61.3	15 900 *	56.5	61.9	16 600 *	59.7	62.7	16 900										30.0
32.0	47.3	58.2	14 100 *	51.1	59.8	15 100 *	53.2	60.5	15 600 *	56.6	61.5	15 500										32.0
34.0	43.5	56.2	13 300 *	47.5	58.0	14 300 *	49.8	58.9	14 800 *	53.3	60.0	14 300	56.6	60.8	13 600							34.0
36.0	39.5	53.9	12 700 *	43.8	56.1	13 500 *	46.1	57.1	14 000	49.9	58.5	13 300	53.3	59.4	12 600							36.0
38.0	35.0	51.3	12 000 *	39.7	53.8	12 800 *	42.3	55.1	13 100	46.3	56.7	12 400	49.9	57.8	11 700							38.0
40.0	30.0	48.2	11 400 *	35.3	51.2	12 200 *	38.1	52.7	12 200	42.4	54.6	11 500	46.3	56.0	10 900	49.8	56.9	10 200				40.0
42.0	24.1	44.3	10 900 *	30.4	48.1	11 600 *	33.5	49.9	11 400	38.3	52.3	10 800	42.4	53.9	10 200	46.2	55.1	9 600				42.0
44.0	16.4	38.8	10 100 *	24.5	44.3	11 000	28.3	46.6	10 700	33.7	49.5	10 100	38.3	51.6	9 500	42.3	53.0	8 900				44.0
46.0				16.9	39.0	10 300	22.0	42.3	10 000	28.5	46.2	9 500	33.7	48.8	8 900	38.2	50.6	8 400	42.0	51.8	7 900	46.0
48.0							13.1	36.0	9 400	22.2	42.0	8 900	28.5	45.5	8 400	33.6	47.9	7 900	37.9	49.4	7 400	48.0
50.0										13.4	35.8	8 400	22.3	41.3	7 900	28.4	44.5	7 400	33.2	46.6	6 900	50.0
52.0																22.1	40.3	7 000	28.0	43.2	6 500	52.0
54.0																13.2	34.0	6 600	21.5	38.9	6 100	54.0
56.0																			12.3	32.3	5 800	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	70.9	21 000 *																			15.2
16.0	73.6	70.7	20 500 *																			16.0
18.0	70.9	70.0	19 400 *																			18.0
20.0	68.3	69.3	18 300 *																			20.0
22.0	65.5	68.4	17 300 *	68.4	69.1	18 400 *																22.0
24.0	62.7	67.4	16 300 *	65.7	68.2	17 400 *																24.0
26.0	59.9	66.4	15 300 *	62.9	67.3	16 500 *	64.7	67.7	17 100 *													26.0
28.0	56.9	65.1	14 400 *	60.1	66.2	15 500 *	61.9	66.7	16 100 *													28.0
30.0	53.9	63.7	13 600 *	57.1	65.0	14 600 *	59.0	65.5	15 200 *													30.0
32.0	50.7	62.2	12 900 *	54.1	63.6	13 800 *	56.0	64.3	14 400 *	59.1	65.1	15 200 *										32.0
34.0	47.4	60.5	12 100 *	50.9	62.1	13 000 *	52.9	62.8	13 600 *	56.1	63.8	14 300 *										34.0
36.0	43.9	58.5	11 500 *	47.6	60.3	12 300 *	49.7	61.2	12 800 *	53.0	62.4	13 300 *	56.1	63.1	12 500 *							36.0
38.0	40.2	56.3	10 800 *	44.1	58.4	11 600 *	46.3	59.4	12 000 *	49.8	60.8	12 300 *	53.0	61.7	11 600 *							38.0
40.0	36.1	53.7	10 200 *	40.4	56.2	10 900 *	42.8	57.4	11 400 *	46.4	59.0	11 500 *	49.8	60.1	10 800 *							40.0
42.0	31.6	50.8	9 700 *	36.3	53.7	10 400 *	38.9	55.1	10 800 *	42.9	56.9	10 800 *	46.5	58.3	10 100 *	49.7	59.2	9 500 *				42.0
44.0	26.4	47.2	9 200 *	31.9	50.7	9 800 *	34.7	52.4	10 200 *	39.1	54.6	10 100 *	42.9	56.3	9 500 *	46.4	57.4	8 900 *				44.0
46.0	20.1	42.5	8 700 *	26.8	47.2	9 300 *	30.1	49.3	9 600 *	34.9	52.0	9 400 *	39.1	54.0	8 900 *	42.8	55.3	8 400 *	46.1	56.2	7 800 *	46.0
48.0	10.6	35.2	7 700 *	20.5	42.6	8 800 *	24.6	45.4	9 200 *	30.2	48.9	8 900 *	34.9	51.3	8 400 *	39.0	53.0	7 800 *	42.5	54.1	7 300 *	48.0
50.0				11.4	35.6	8 500 *	17.7	40.2	8 700 *	24.8	45.0	8 400 *	30.3	48.2	7 900 *	34.8	50.4	7 400 *	38.7	51.8	6 900 *	50.0
52.0										17.9	39.9	7 900 *	24.8	44.3	7 400 *	30.1	47.2	6 900 *	34.5	49.1	6 500 *	52.0
54.0													18.0	39.2	7 000 *	24.7	43.3	6 500 *	29.8	45.9	6 100 *	54.0
56.0																17.7	38.2	6 200 *	24.2	42.0	5 800 *	56.0
58.0																			17.1	36.7	5 400 *	58.0

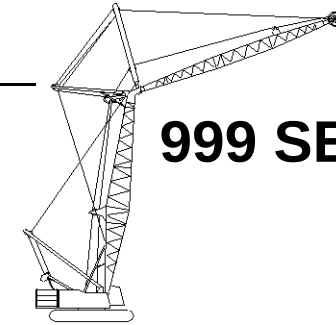
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

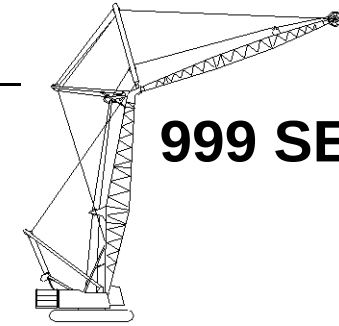
24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	74.0	19 300 *																			15.2
16.0	74.6	73.8	18 900 *																			16.0
18.0	72.2	73.2	17 800 *																			18.0
20.0	69.7	72.5	16 800 *																			20.0
22.0	67.1	71.7	15 800 *	69.8	72.4	16 900 *																22.0
24.0	64.6	70.8	14 900 *	67.3	71.6	15 900 *																24.0
26.0	61.9	69.8	14 000 *	64.7	70.7	15 000 *	66.3	71.0	15 500 *													26.0
28.0	59.2	68.7	13 100 *	62.1	69.7	14 100 *	63.8	70.1	14 600 *													28.0
30.0	56.5	67.5	12 300 *	59.4	68.6	13 300 *	61.1	69.0	13 800 *													30.0
32.0	53.6	66.1	11 600 *	56.6	67.3	12 400 *	58.4	67.9	13 000 *	61.2	68.6	13 700 *										32.0
34.0	50.6	64.5	10 800 *	53.8	65.9	11 700 *	55.6	66.6	12 200 *	58.5	67.4	12 900 *										34.0
36.0	47.5	62.8	10 200 *	50.8	64.4	11 000 *	52.7	65.1	11 400 *	55.7	66.1	12 200 *										36.0
38.0	44.2	60.8	9 500 *	47.7	62.6	10 300 *	49.7	63.5	10 700 *	52.8	64.7	11 500 *	55.7	65.4	11 500							38.0
40.0	40.8	58.6	9 000 *	44.4	60.7	9 600 *	46.5	61.7	10 100 *	49.8	63.1	10 800 *	52.8	64.0	10 700							40.0
42.0	37.0	56.2	8 400 *	41.0	58.6	9 000 *	43.2	59.7	9 400 *	46.6	61.3	10 100 *	49.8	62.4	10 000							42.0
44.0	32.9	53.3	7 900 *	37.2	56.1	8 500 *	39.6	57.5	8 900 *	43.3	59.3	9 500 *	46.6	60.6	9 300	49.7	61.5	8 800				44.0
46.0	28.3	49.9	7 400 *	33.2	53.3	8 000 *	35.8	54.9	8 300 *	39.7	57.0	8 900 *	43.3	58.6	8 800	46.5	59.7	8 200				46.0
48.0	22.9	45.7	7 000 *	28.6	49.9	7 500 *	31.5	51.9	7 800 *	35.9	54.4	8 400 *	39.8	56.3	8 200	43.2	57.7	7 700	46.3	58.5	7 200	48.0
50.0	15.7	40.0	6 600 *	23.2	45.8	7 100 *	26.7	48.3	7 400 *	31.7	51.4	7 900 *	35.9	53.8	7 700	39.6	55.4	7 200	43.0	56.5	6 800	50.0
52.0				16.2	40.2	6 700 *	20.9	43.7	6 900 *	26.9	47.9	7 400 *	31.7	50.8	7 300	35.8	52.8	6 800	39.4	54.2	6 400	52.0
54.0							12.7	37.1	6 600 *	21.1	43.4	7 000 *	26.9	47.2	6 900	31.6	49.8	6 400	35.5	51.6	6 000	54.0
56.0										13.1	36.9	6 600 *	21.1	42.7	6 500	26.7	46.2	6 100	31.3	48.5	5 600	56.0
58.0																20.9	41.7	5 700	26.4	44.9	5 300	58.0
60.0																12.8	35.1	5 400	20.5	40.3	5 000	60.0
62.0																			12.1	33.4	4 700	62.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	76.8	17 100 *																			16.8
18.0	73.2	76.4	16 500 *																			18.0
20.0	70.9	75.8	15 500 *																			20.0
22.0	68.6	75.0	14 600 *																			22.0
24.0	66.2	74.2	13 700 *	68.7	74.9	14 700 *																24.0
26.0	63.7	73.3	12 800 *	66.3	74.0	13 800 *	67.8	74.3	14 300 *													26.0
28.0	61.2	72.2	12 000 *	63.9	73.1	13 000 *	65.4	73.5	13 500 *													28.0
30.0	58.7	71.1	11 200 *	61.4	72.1	12 100 *	62.9	72.5	12 600 *													30.0
32.0	56.0	69.8	10 500 *	58.8	70.9	11 400 *	60.4	71.4	11 800 *	63.0	72.0	12 500 *										32.0
34.0	53.3	68.4	9 800 *	56.2	69.6	10 600 *	57.9	70.2	11 100 *	60.5	70.9	11 800 *										34.0
36.0	50.5	66.8	9 200 *	53.5	68.2	9 900 *	55.2	68.9	10 400 *	57.9	69.7	11 100 *										36.0
38.0	47.6	65.1	8 600 *	50.7	66.7	9 300 *	52.5	67.4	9 700 *	55.3	68.4	10 400 *										38.0
40.0	44.5	63.1	8 000 *	47.8	64.9	8 700 *	49.6	65.8	9 100 *	52.6	67.0	9 700 *	55.3	67.7	10 300 *							40.0
42.0	41.3	61.0	7 500 *	44.7	63.0	8 100 *	46.7	64.0	8 500 *	49.7	65.4	9 100 *	52.6	66.3	9 700 *							42.0
44.0	37.8	58.6	7 000 *	41.5	60.9	7 600 *	43.5	62.0	7 900 *	46.8	63.6	8 500 *	49.7	64.7	9 100 *							44.0
46.0	34.0	55.8	6 500 *	38.0	58.5	7 000 *	40.2	59.8	7 400 *	43.6	61.6	7 900 *	46.8	62.9	8 500 *	49.6	63.8	8 100				46.0
48.0	29.9	52.6	6 000 *	34.3	55.8	6 600 *	36.7	57.3	6 900 *	40.3	59.4	7 400 *	43.7	60.9	8 000 *	46.7	62.0	7 600				48.0
50.0	25.1	48.7	5 600 *	30.1	52.6	6 100 *	32.8	54.4	6 400 *	36.8	56.9	7 000 *	40.3	58.7	7 500 *	43.6	60.0	7 100				50.0
52.0	19.2	43.8	5 200 *	25.4	48.8	5 700 *	28.4	51.0	6 000 *	32.9	54.0	6 500 *	36.8	56.2	6 900 *	40.2	57.7	6 700	43.3	58.8	6 200	52.0
54.0	10.6	36.3	4 700 *	19.6	43.9	5 200 *	23.4	46.9	5 500 *	28.6	50.6	6 000 *	32.9	53.3	6 500 *	36.7	55.2	6 300	40.0	56.5	5 900	54.0
56.0				11.2	36.7	4 700 *	16.9	41.5	5 000 *	23.5	46.5	5 600 *	28.6	49.9	6 100 *	32.8	52.3	6 000	36.4	54.0	5 500	56.0
58.0										17.2	41.1	5 100 *	23.6	45.9	5 600 *	28.5	49.0	5 600	32.5	51.1	5 200	58.0
60.0													17.2	40.5	5 100 *	23.4	44.9	5 300	28.1	47.7	4 900	60.0
62.0																17.0	39.4	5 000	23.0	43.5	4 600	62.0
64.0																5.8	29.5	4 600	16.5	37.9	4 400	64.0

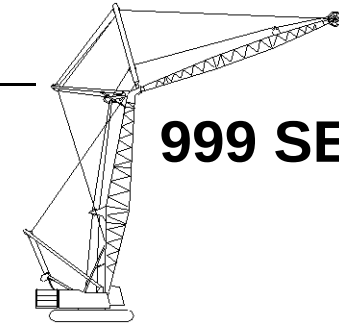
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	60.4	48.4	43 900 *b																			13.7
14.0	59.5	48.2	43 700 *b																			14.0
16.0	53.0	46.9	41 800 *b	60.7	48.2	41 900 b																16.0
18.0	46.0	45.2	37 800	54.3	46.9	35 900 b	58.8	47.6	34 900 b													18.0
20.0	37.9	43.0	32 900	47.4	45.3	31 400	52.3	46.2	30 500 b	59.9	47.2	29 000 b										20.0
22.0	28.0	39.9	29 200	39.5	43.2	27 800	45.2	44.5	27 000	53.4	45.9	25 700 b										22.0
24.0	12.5	34.5	23 100	30.1	40.3	24 900	37.0	42.2	24 200	46.4	44.2	23 000	54.3	45.3	21 800							24.0
26.0							26.8	39.0	21 800	38.4	42.0	20 800	47.4	43.7	19 700							26.0
28.0										28.7	39.0	18 900	39.6	41.6	17 900	48.1	42.9	17 000				28.0
30.0										13.9	33.9	17 200	30.2	38.7	16 400	40.3	40.8	15 500				30.0
32.0													16.6	34.1	15 100	31.1	38.1	14 300	40.7	39.8	13 500	32.0
34.0																18.3	33.7	13 200	31.6	37.1	12 400	34.0
36.0																			19.1	32.8	11 500	36.0

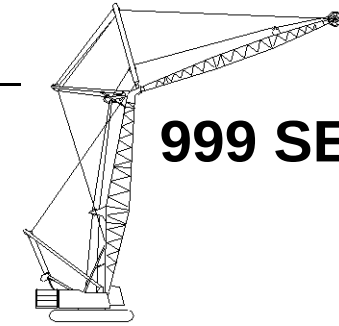
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.3	52.5	43 000 *b																			12.2
14.0	63.6	51.7	40 600 *b																			14.0
16.0	58.2	50.6	38 800 *b	64.6	51.6	41 300 b																16.0
18.0	52.5	49.2	36 500 *	59.3	50.6	35 900 b	63.1	51.1	34 800 b													18.0
20.0	46.3	47.5	32 900	53.7	49.2	31 300	57.7	50.0	30 300													20.0
22.0	39.4	45.3	29 100	47.6	47.6	27 700	51.9	48.6	26 900	58.6	49.6	25 600 b										22.0
24.0	31.3	42.5	26 100	40.8	45.5	24 800	45.7	46.8	24 100	52.9	48.2	22 900										24.0
26.0	20.5	38.4	23 400	33.0	42.9	22 500	38.7	44.6	21 800	46.7	46.5	20 700	53.7	47.6	19 600							26.0
28.0				23.0	39.1	20 400	30.4	41.7	19 800	39.9	44.4	18 800	47.6	46.0	17 800							28.0
30.0							19.1	37.3	18 100	31.8	41.6	17 200	40.8	43.9	16 300	48.2	45.2	15 400				30.0
32.0										21.3	37.6	15 800	33.0	41.3	15 000	41.5	43.2	14 100				32.0
34.0													23.0	37.5	13 800	33.8	40.6	13 000	41.8	42.1	12 300	34.0
36.0																24.1	37.0	12 100	34.2	39.6	11 400	36.0
38.0																5.8	29.5	11 200	24.6	36.0	10 600	38.0

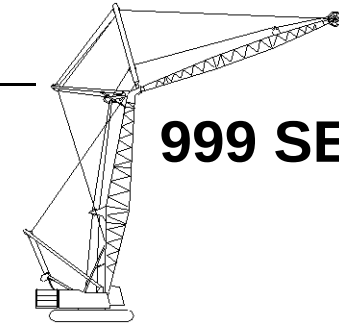
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

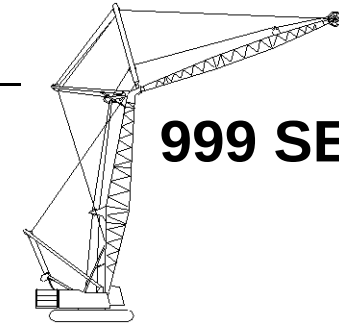
27.4m (90 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.8	55.8	37 700 *b																			12.2
14.0	66.7	55.1	35 600 *b																			14.0
16.0	62.1	54.1	34 100 *b	67.6	55.0	37 000 *b																16.0
18.0	57.3	52.9	32 100 *	63.0	54.0	34 900 *																18.0
20.0	52.1	51.5	30 400 *	58.2	52.9	31 300	61.6	53.5	30 200													20.0
22.0	46.6	49.8	28 700	53.1	51.6	27 600	56.8	52.3	26 800													22.0
24.0	40.6	47.7	26 100	47.7	49.9	24 800	51.6	50.9	24 000	57.6	51.9	22 800										24.0
26.0	33.7	45.1	23 600	41.8	47.9	22 400	46.1	49.1	21 700	52.5	50.5	20 600										26.0
28.0	25.1	41.5	21 400	35.1	45.4	20 400	39.9	47.0	19 800	47.0	48.8	18 700	53.2	50.0	17 700							28.0
30.0	12.0	35.6	17 700	27.0	42.0	18 700	32.9	44.2	18 100	41.0	46.8	17 100	47.7	48.3	16 200							30.0
32.0				15.4	36.9	17 200	24.1	40.6	16 600	34.1	44.2	15 800	41.8	46.3	14 900	48.3	47.5	14 000				32.0
34.0										25.7	40.7	14 600	35.1	43.8	13 800	42.4	45.5	13 000				34.0
36.0										13.1	35.0	13 500	27.0	40.4	12 700	35.8	43.1	12 000	42.7	44.5	11 300	36.0
38.0													15.4	35.3	11 800	27.8	39.8	11 100	36.1	42.0	10 500	38.0
40.0																16.8	35.0	10 400	28.2	38.9	9 800	40.0
42.0																			17.5	34.1	9 100	42.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	72.8	59.0	35 200 *b																			12.2
14.0	69.2	58.3	33 800 *b																			14.0
16.0	65.1	57.5	31 700 *																			16.0
18.0	60.9	56.5	29 900 *	65.9	57.4	32 500 *																18.0
20.0	56.5	55.3	28 100 *	61.7	56.4	30 600	64.7	56.9	30 100													20.0
22.0	51.8	53.8	26 600 *	57.3	55.3	27 600	60.4	55.9	26 700													22.0
24.0	46.9	52.1	25 200 *	52.7	53.9	24 700	56.0	54.6	23 900													24.0
26.0	41.5	50.0	23 500	47.9	52.2	22 300	51.3	53.2	21 600	56.7	54.3	20 400										26.0
28.0	35.4	47.5	21 400	42.6	50.2	20 300	46.4	51.4	19 700	52.1	52.8	18 600										28.0
30.0	28.3	44.3	19 600	36.7	47.8	18 600	40.9	49.3	18 000	47.2	51.1	17 000	52.8	52.3	16 000							30.0
32.0	18.9	39.7	18 000	29.8	44.7	17 100	34.8	46.7	16 600	41.8	49.1	15 600	47.9	50.6	14 700							32.0
34.0				21.0	40.5	15 800	27.5	43.4	15 300	35.8	46.6	14 500	42.6	48.6	13 600	48.3	49.8	12 800				34.0
36.0							17.7	38.6	14 200	28.8	43.5	13 400	36.7	46.2	12 600	43.1	47.9	11 900				36.0
38.0										19.6	39.0	12 500	29.8	43.2	11 700	37.3	45.5	11 000	43.3	46.8	10 300	38.0
40.0													21.0	38.9	10 900	30.5	42.5	10 300	37.5	44.4	9 600	40.0
42.0																22.0	38.4	9 600	30.9	41.5	9 000	42.0
44.0																6.9	30.7	8 900	22.5	37.5	8 400	44.0

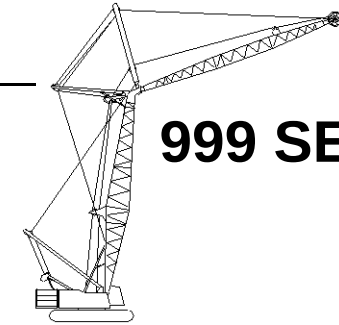
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

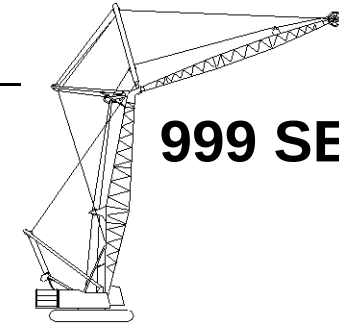
27.4m (90 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.4	62.1	33 100 *b																			12.2
14.0	71.1	61.6	32 100 *b																			14.0
16.0	67.5	60.8	30 300 *																			16.0
18.0	63.7	59.9	28 700 *	68.2	60.7	31 000 *																18.0
20.0	59.9	58.8	27 200 *	64.5	59.9	29 400 *	67.1	60.2	30 100													20.0
22.0	55.8	57.6	25 700 *	60.6	58.8	27 500	63.4	59.3	26 700													22.0
24.0	51.6	56.1	24 400 *	56.6	57.6	24 700	59.5	58.2	23 900													24.0
26.0	47.1	54.4	23 200	52.4	56.2	22 300	55.4	57.0	21 600	60.1	57.8	20 400										26.0
28.0	42.2	52.4	21 400	48.0	54.5	20 300	51.1	55.5	19 600	56.1	56.6	18 600										28.0
30.0	36.8	50.0	19 600	43.2	52.5	18 600	46.6	53.7	18 000	51.8	55.1	17 000										30.0
32.0	30.7	47.0	18 100	37.9	50.2	17 100	41.7	51.7	16 600	47.4	53.4	15 600	52.4	54.6	14 700							32.0
34.0	23.1	43.0	16 600	31.9	47.3	15 900	36.3	49.2	15 300	42.5	51.4	14 500	48.0	52.9	13 600							34.0
36.0	11.7	36.6	13 300 *	24.7	43.6	14 700	30.0	46.1	14 200	37.2	49.0	13 400	43.2	50.9	12 600	48.4	52.1	11 900				36.0
38.0				14.6	38.0	13 700	22.2	42.0	13 200	31.1	46.1	12 500	37.9	48.6	11 700	43.6	50.2	11 000				38.0
40.0										23.6	42.2	11 600	31.9	45.7	11 000	38.4	47.9	10 300	43.9	49.1	9 600	40.0
42.0										12.7	36.1	10 900	24.7	42.0	10 200	32.6	45.1	9 600	38.7	46.8	9 000	42.0
44.0													14.6	36.4	9 600	25.5	41.5	9 000	32.9	44.1	8 400	44.0
46.0																15.8	36.2	8 400	25.9	40.5	7 900	46.0
48.0																			16.4	35.3	7 400	48.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.7	65.3	30 700 *b																			12.2
14.0	72.8	64.8	29 700 *b																			14.0
16.0	69.5	64.1	28 100 *																			16.0
18.0	66.1	63.3	26 600 *																			18.0
20.0	62.6	62.3	25 100 *	66.7	63.2	27 100 *																20.0
22.0	59.0	61.2	23 800 *	63.3	62.3	25 700 *	65.7	62.7	26 300													22.0
24.0	55.3	59.9	22 500 *	59.7	61.2	24 300	62.2	61.7	23 800													24.0
26.0	51.4	58.4	21 300 *	56.0	59.9	22 200	58.6	60.6	21 400	62.8	61.3	20 200										26.0
28.0	47.2	56.7	20 200 *	52.1	58.5	20 100	54.9	59.3	19 500	59.2	60.2	18 400										28.0
30.0	42.8	54.7	19 200 *	48.0	56.8	18 500	51.0	57.8	17 900	55.5	58.9	16 800										30.0
32.0	38.0	52.4	18 000	43.7	54.9	17 000	46.8	56.0	16 400	51.6	57.4	15 500	56.0	58.3	14 600							32.0
34.0	32.5	49.5	16 600	38.9	52.6	15 700	42.3	54.0	15 200	47.5	55.7	14 300	52.1	56.9	13 400							34.0
36.0	26.1	46.0	15 400	33.6	49.9	14 600	37.5	51.6	14 100	43.1	53.8	13 300	48.1	55.2	12 500							36.0
38.0	17.8	41.0	13 600	27.5	46.5	13 600	31.9	48.7	13 200	38.3	51.4	12 400	43.7	53.3	11 600	48.4	54.4	10 800				38.0
40.0				19.6	41.9	12 700	25.4	45.1	12 300	32.9	48.6	11 500	38.9	51.0	10 800	44.1	52.5	10 100				40.0
42.0							16.7	39.9	11 500	26.6	45.1	10 800	33.6	48.3	10 100	39.4	50.3	9 400	44.3	51.4	8 800	42.0
44.0										18.4	40.3	10 100	27.5	44.9	9 500	34.2	47.6	8 900	39.6	49.2	8 300	44.0
46.0													19.6	40.3	8 900	28.1	44.3	8 300	34.4	46.6	7 700	46.0
48.0																20.5	39.8	7 800	28.4	43.3	7 300	48.0
50.0																7.5	31.8	7 300	20.9	38.9	6 800	50.0

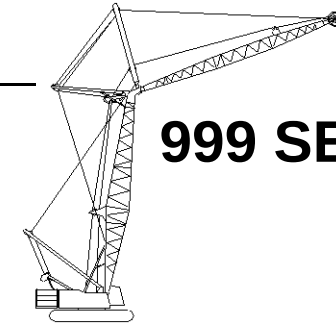
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.6	68.0	25 400 *b																			13.7
14.0	74.1	68.0	25 200 *b																			14.0
16.0	71.1	67.3	24 000 *																			16.0
18.0	68.0	66.6	22 600 *																			18.0
20.0	64.9	65.7	21 400 *	68.6	66.5	23 000 *																20.0
22.0	61.6	64.7	20 300 *	65.5	65.7	21 800 *																22.0
24.0	58.3	63.6	19 200 *	62.2	64.7	20 700 *	64.5	65.1	21 500 *													24.0
26.0	54.8	62.2	18 200 *	58.9	63.5	19 600 *	61.3	64.1	20 400 *													26.0
28.0	51.2	60.7	17 300 *	55.5	62.3	18 600 *	57.9	62.9	19 300 *	61.8	63.7	18 300										28.0
30.0	47.4	59.0	16 400 *	51.9	60.8	17 700 *	54.5	61.6	17 800	58.5	62.6	16 700										30.0
32.0	43.3	57.0	15 600 *	48.1	59.1	16 800 *	50.8	60.1	16 300	55.0	61.2	15 400										32.0
34.0	38.9	54.7	14 900 *	44.1	57.2	15 600	47.0	58.3	15 100	51.4	59.8	14 200	55.5	60.7	13 400							34.0
36.0	34.0	52.0	14 200 *	39.8	55.0	14 500	42.9	56.3	14 000	47.6	58.0	13 200	51.9	59.2	12 300							36.0
38.0	28.5	48.7	13 600 *	35.0	52.3	13 500	38.4	54.0	13 100	43.6	56.1	12 200	48.1	57.5	11 500							38.0
40.0	21.6	44.5	13 000 *	29.6	49.2	12 600	33.5	51.2	12 200	39.2	53.8	11 500	44.1	55.6	10 700	48.5	56.7	10 000				40.0
42.0	11.5	37.7	10 700 *	23.1	45.1	11 800	27.8	47.9	11 400	34.4	51.1	10 700	39.8	53.4	10 000	44.5	54.8	9 300				42.0
44.0				14.0	39.2	11 100	20.8	43.4	10 700	28.8	47.9	10 000	35.0	50.7	9 400	40.2	52.6	8 800	44.7	53.7	8 100	44.0
46.0										22.1	43.7	9 400	29.6	47.6	8 800	35.5	50.0	8 200	40.4	51.6	7 600	46.0
48.0										12.3	37.2	8 800	23.1	43.5	8 300	30.2	46.9	7 700	35.7	49.0	7 100	48.0
50.0													14.0	37.6	7 800	23.8	43.0	7 200	30.4	45.9	6 700	50.0
52.0																15.1	37.3	6 800	24.1	42.1	6 300	52.0
54.0																			15.6	36.5	5 900	54.0

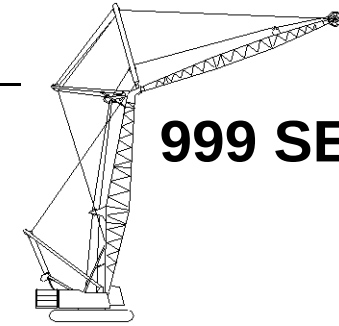
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.7	71.2	23 500 *																			13.7
14.0	75.3	71.1	23 400 *																			14.0
16.0	72.5	70.5	22 100 *																			16.0
18.0	69.7	69.9	20 900 *																			18.0
20.0	66.8	69.1	19 800 *	70.2	69.8	21 200 *																20.0
22.0	63.8	68.1	18 700 *	67.3	69.0	20 100 *																22.0
24.0	60.8	67.1	17 600 *	64.4	68.1	19 000 *																24.0
26.0	57.7	65.9	16 700 *	61.4	67.1	18 000 *	63.5	67.5	18 700 *													26.0
28.0	54.4	64.6	15 800 *	58.3	65.9	17 100 *	60.5	66.5	17 700 *													28.0
30.0	51.0	63.0	14 900 *	55.0	64.6	16 100 *	57.3	65.3	16 800 *	61.0	66.1	16 600										30.0
32.0	47.5	61.3	14 100 *	51.7	63.1	15 200 *	54.1	63.9	15 900 *	57.8	64.9	15 200										32.0
34.0	43.7	59.4	13 400 *	48.2	61.4	14 500 *	50.7	62.4	15 000	54.6	63.6	14 100										34.0
36.0	39.7	57.1	12 700 *	44.5	59.5	13 700 *	47.1	60.6	13 900	51.2	62.1	13 000	55.0	63.0	12 200							36.0
38.0	35.3	54.5	12 000 *	40.5	57.3	13 000 *	43.3	58.6	12 900	47.7	60.3	12 100	51.7	61.5	11 300							38.0
40.0	30.3	51.4	11 500 *	36.2	54.8	12 300 *	39.3	56.4	12 000	44.0	58.4	11 300	48.2	59.8	10 600	52.0	60.7	9 800				40.0
42.0	24.5	47.5	10 900 *	31.3	51.8	11 700	34.8	53.7	11 300	39.9	56.2	10 600	44.5	57.9	9 900	48.5	59.0	9 200				42.0
44.0	16.9	42.2	10 500 *	25.7	48.1	11 000	29.8	50.5	10 600	35.6	53.6	9 900	40.5	55.7	9 200	44.8	57.1	8 600				44.0
46.0				18.6	43.2	10 300	23.8	46.6	9 900	30.6	50.5	9 300	36.2	53.2	8 700	40.9	55.0	8 000	45.0	56.1	7 500	46.0
48.0							15.9	41.1	9 300	24.9	46.7	8 700	31.3	50.2	8 100	36.6	52.5	7 600	41.1	53.9	7 000	48.0
50.0										17.4	41.6	8 200	25.7	46.5	7 600	31.8	49.5	7 100	36.8	51.4	6 500	50.0
52.0													18.6	41.6	7 200	26.3	45.9	6 700	32.1	48.5	6 200	52.0
54.0																19.4	41.2	6 300	26.6	45.0	5 800	54.0
56.0																8.0	32.9	5 900	19.7	40.3	5 400	56.0

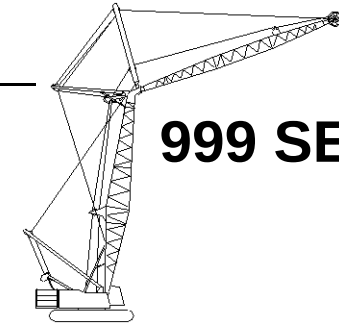
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

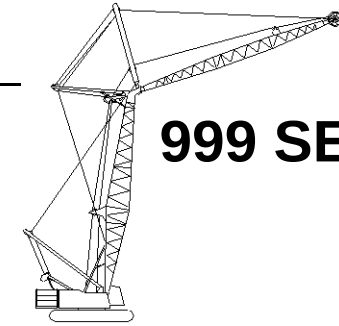
27.4m (90 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	73.9	21 000 *																			15.2
16.0	73.7	73.7	20 500 *																			16.0
18.0	71.1	73.1	19 400 *																			18.0
20.0	68.4	72.4	18 300 *																			20.0
22.0	65.7	71.5	17 300 *	68.9	72.3	18 600 *																22.0
24.0	62.9	70.5	16 300 *	66.2	71.4	17 600 *																24.0
26.0	60.0	69.5	15 400 *	63.4	70.5	16 600 *	65.4	70.9	17 200 *													26.0
28.0	57.1	68.2	14 500 *	60.6	69.4	15 700 *	62.6	69.9	16 300 *													28.0
30.0	54.1	66.9	13 700 *	57.7	68.2	14 800 *	59.7	68.8	15 500 *													30.0
32.0	50.9	65.3	12 900 *	54.7	66.9	14 000 *	56.8	67.6	14 600 *	60.2	68.5	15 200										32.0
34.0	47.6	63.6	12 200 *	51.5	65.4	13 200 *	53.7	66.2	13 800 *	57.3	67.2	14 000										34.0
36.0	44.1	61.7	11 500 *	48.2	63.7	12 400 *	50.6	64.7	13 000 *	54.2	65.9	13 000										36.0
38.0	40.4	59.5	10 900 *	44.8	61.8	11 700 *	47.2	62.9	12 300 *	51.1	64.4	12 100	54.7	65.3	11 300							38.0
40.0	36.3	56.9	10 300 *	41.1	59.7	11 100 *	43.7	61.0	11 600 *	47.8	62.6	11 300	51.5	63.8	10 500							40.0
42.0	31.9	54.0	9 700 *	37.1	57.2	10 500 *	40.0	58.7	10 900 *	44.3	60.7	10 500	48.2	62.1	9 800							42.0
44.0	26.7	50.4	9 200 *	32.8	54.3	9 900 *	35.9	56.2	10 400 *	40.6	58.5	9 900	44.8	60.2	9 200	48.6	61.3	8 500				44.0
46.0	20.5	45.8	8 800 *	27.8	50.9	9 400 *	31.4	53.2	9 800 *	36.6	56.0	9 300	41.1	58.1	8 600	45.1	59.4	8 000				46.0
48.0	11.3	38.8	8 100 *	21.8	46.6	8 900 *	26.2	49.5	9 300	32.1	53.1	8 700	37.1	55.6	8 100	41.5	57.3	7 500	45.3	58.4	6 900	48.0
50.0				13.5	40.3	8 600 *	19.7	44.8	8 800	27.1	49.6	8 200	32.8	52.7	7 600	37.5	54.9	7 100	41.6	56.3	6 500	50.0
52.0										20.9	45.1	7 800	27.8	49.3	7 200	33.2	52.1	6 600	37.7	53.8	6 100	52.0
54.0										12.0	38.3	7 300	21.8	45.0	6 800	28.3	48.7	6 300	33.4	51.0	5 800	54.0
56.0													13.5	38.7	6 400	22.4	44.5	5 900	28.5	47.7	5 400	56.0
58.0																14.5	38.5	5 600	22.7	43.5	5 100	58.0
60.0																			15.0	37.7	4 800	60.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	77.1	19 300 *																			15.2
16.0	74.7	76.9	18 900 *																			16.0
18.0	72.3	76.3	17 800 *																			18.0
20.0	69.8	75.6	16 800 *																			20.0
22.0	67.3	74.8	15 800 *																			22.0
24.0	64.7	73.9	14 900 *	67.8	74.7	16 100 *																24.0
26.0	62.1	72.9	14 000 *	65.2	73.9	15 100 *	67.0	74.3	15 700 *													26.0
28.0	59.4	71.8	13 100 *	62.6	72.9	14 300 *	64.4	73.4	14 800 *													28.0
30.0	56.6	70.6	12 300 *	59.9	71.8	13 400 *	61.8	72.3	14 000 *													30.0
32.0	53.8	69.2	11 600 *	57.2	70.6	12 600 *	59.1	71.2	13 200 *	62.2	71.9	14 000 *										32.0
34.0	50.8	67.6	10 900 *	54.3	69.2	11 800 *	56.3	69.9	12 400 *	59.6	70.8	13 200 *										34.0
36.0	47.7	65.9	10 200 *	51.4	67.7	11 100 *	53.5	68.5	11 600 *	56.8	69.6	12 500 *										36.0
38.0	44.4	64.0	9 600 *	48.3	66.0	10 400 *	50.5	67.0	10 900 *	53.9	68.2	11 700 *										38.0
40.0	41.0	61.8	9 000 *	45.1	64.1	9 800 *	47.4	65.2	10 300 *	51.0	66.7	11 100 *	54.3	67.6	10 400							40.0
42.0	37.2	59.4	8 400 *	41.6	62.0	9 200 *	44.1	63.3	9 600 *	47.9	64.9	10 400	51.4	66.1	9 700							42.0
44.0	33.1	56.5	7 900 *	38.0	59.6	8 600 *	40.6	61.1	9 000 *	44.6	63.0	9 700	48.3	64.4	9 000							44.0
46.0	28.6	53.2	7 500 *	34.0	56.8	8 100 *	36.8	58.6	8 500 *	41.2	60.9	9 100	45.1	62.5	8 500	48.6	63.6	7 900				46.0
48.0	23.2	49.0	7 000 *	29.5	53.6	7 600 *	32.7	55.7	8 000 *	37.5	58.4	8 600	41.6	60.4	8 000	45.4	61.7	7 300				48.0
50.0	16.2	43.5	6 700 *	24.3	49.7	7 200 *	28.1	52.3	7 500 *	33.4	55.6	8 100	38.0	58.0	7 500	42.0	59.6	6 900	45.5	60.7	6 400	50.0
52.0				17.7	44.5	6 800 *	22.6	48.1	7 100 *	28.9	52.3	7 600	34.0	55.2	7 000	38.3	57.3	6 500	42.1	58.6	5 900	52.0
54.0							15.3	42.2	6 700 *	23.5	48.2	7 200	29.5	52.0	6 600	34.4	54.6	6 100	38.5	56.2	5 600	54.0
56.0										16.7	42.8	6 800	24.3	48.1	6 300	29.9	51.4	5 800	34.6	53.5	5 300	56.0
58.0													17.7	42.9	5 900	24.8	47.5	5 400	30.2	50.4	5 000	58.0
60.0																18.5	42.5	5 100	25.1	46.6	4 700	60.0
62.0																8.3	34.0	4 800	18.8	41.6	4 400	62.0
64.0																			9.0	33.5	4 100	64.0

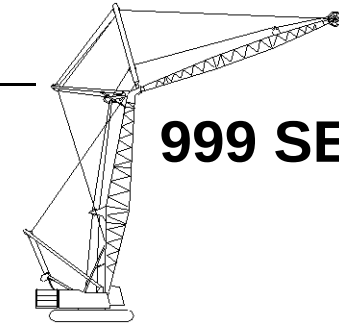
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

27.4m (90 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.8	79.9	17 100 *																			16.8
18.0	73.4	79.5	16 500 *																			18.0
20.0	71.0	78.9	15 500 *																			20.0
22.0	68.7	78.1	14 600 *																			22.0
24.0	66.3	77.3	13 700 *	69.1	78.0	14 800 *																24.0
26.0	63.9	76.4	12 800 *	66.8	77.2	13 900 *																26.0
28.0	61.4	75.3	12 100 *	64.3	76.3	13 100 *	66.0	76.7	13 600 *													28.0
30.0	58.8	74.2	11 300 *	61.8	75.3	12 300 *	63.6	75.8	12 800 *													30.0
32.0	56.2	72.9	10 600 *	59.3	74.2	11 500 *	61.1	74.7	12 100 *													32.0
34.0	53.5	71.5	9 900 *	56.7	72.9	10 800 *	58.5	73.6	11 300 *	61.5	74.3	12 100 *										34.0
36.0	50.7	69.9	9 200 *	54.0	71.5	10 100 *	55.9	72.3	10 600 *	59.0	73.2	11 400 *										36.0
38.0	47.8	68.2	8 600 *	51.2	70.0	9 400 *	53.2	70.8	9 900 *	56.3	71.9	10 700 *										38.0
40.0	44.7	66.3	8 100 *	48.3	68.3	8 800 *	50.4	69.3	9 300 *	53.6	70.5	10 000 *	56.7	71.3	10 200							40.0
42.0	41.5	64.2	7 500 *	45.3	66.4	8 200 *	47.5	67.5	8 600 *	50.9	69.0	9 400 *	54.0	69.9	9 600							42.0
44.0	38.0	61.7	7 000 *	42.1	64.3	7 700 *	44.4	65.6	8 100 *	47.9	67.2	8 800 *	51.2	68.4	8 900							44.0
46.0	34.2	59.0	6 600 *	38.7	62.0	7 200 *	41.1	63.4	7 500 *	44.9	65.3	8 200 *	48.3	66.7	8 400	51.5	67.6	7 700				46.0
48.0	30.1	55.8	6 100 *	35.0	59.3	6 700 *	37.6	61.0	7 000 *	41.7	63.2	7 700 *	45.3	64.8	7 800	48.6	65.9	7 300				48.0
50.0	25.3	52.0	5 700 *	30.9	56.2	6 200 *	33.8	58.2	6 600 *	38.2	60.8	7 200 *	42.1	62.7	7 400	45.6	64.0	6 800				50.0
52.0	19.5	47.2	5 200 *	26.3	52.6	5 800 *	29.6	55.0	6 100 *	34.5	58.1	6 700 *	38.7	60.4	6 900	42.4	62.0	6 400	45.7	63.0	5 900	52.0
54.0	11.2	39.9	4 800 *	20.8	48.0	5 300 *	24.8	51.1	5 700 *	30.4	55.0	6 300 *	35.0	57.7	6 500	39.0	59.6	6 000	42.6	60.9	5 500	54.0
56.0				13.2	41.4	4 800 *	18.8	46.1	5 200 *	25.6	51.2	5 800 *	30.9	54.6	6 200	35.4	57.0	5 600	39.2	58.6	5 100	56.0
58.0										19.9	46.4	5 200 *	26.3	51.0	5 800	31.3	54.0	5 300	35.5	56.0	4 800	58.0
60.0										11.8	39.4	4 800 *	20.8	46.4	5 300 *	26.8	50.4	5 000	31.5	53.0	4 500	60.0
62.0													13.2	39.8	4 900 *	21.3	45.9	4 700	27.0	49.4	4 300	62.0
64.0																14.1	39.6	4 400	21.6	45.0	4 000	64.0
66.0																			14.5	38.8	3 800	66.0

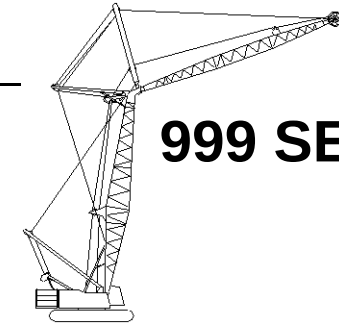
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	60.7	51.5	43 900 *b																			13.7
14.0	59.8	51.3	43 700 *b																			14.0
16.0	53.4	50.0	41 800 *b	61.8	51.4	41 700 b																16.0
18.0	46.4	48.3	37 800	55.5	50.2	35 700 b	60.5	50.9	34 600 b													18.0
20.0	38.4	46.1	32 900	48.7	48.7	31 200	54.1	49.6	30 200 b	62.3	50.6	28 500 b										20.0
22.0	28.6	43.1	29 100	41.1	46.7	27 700	47.2	48.0	26 700	56.0	49.4	25 200 b										22.0
24.0	13.7	38.0	23 500	32.1	44.0	24 800	39.3	45.9	24 000	49.3	47.9	22 600										24.0
26.0							29.8	43.0	21 700	41.7	45.9	20 500	51.1	47.5	19 200							26.0
28.0										32.8	43.3	18 600	43.8	45.6	17 500							28.0
30.0										21.0	39.4	17 000	35.3	43.2	16 000	45.4	45.0	15 000				30.0
32.0													24.6	39.7	14 700	37.3	42.7	13 800	46.7	44.0	12 900	32.0
34.0																27.2	39.6	12 700	38.7	41.9	11 900	34.0
36.0																			29.1	38.9	11 000	36.0
38.0																			14.7	33.9	10 200	38.0

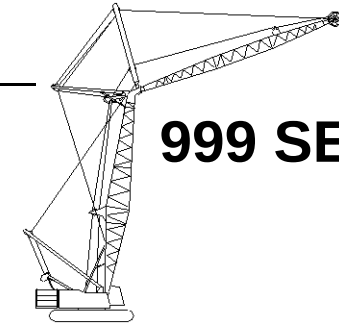
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.5	55.6	43 000 *b																			12.2
14.0	63.9	54.8	40 600 *b																			14.0
16.0	58.5	53.7	38 800 *b	65.6	54.8	41 300 b																16.0
18.0	52.8	52.3	36 600 *	60.3	53.8	35 600 b	64.5	54.4	34 500 b													18.0
20.0	46.7	50.6	32 900	54.7	52.5	31 100	59.1	53.3	30 100 b													20.0
22.0	39.8	48.5	29 100	48.7	51.0	27 600	53.5	52.0	26 600	60.7	53.0	25 100 b										22.0
24.0	31.8	45.7	26 100	42.1	49.0	24 700	47.4	50.3	23 900	55.2	51.7	22 500										24.0
26.0	21.2	41.7	23 500	34.6	46.5	22 300	40.6	48.2	21 600	49.2	50.2	20 300	56.6	51.2	19 100							26.0
28.0				25.1	43.0	20 300	32.8	45.5	19 600	42.7	48.3	18 500	50.8	49.8	17 400							28.0
30.0							22.6	41.7	18 000	35.2	45.8	16 900	44.5	47.9	15 900							30.0
32.0										26.0	42.4	15 600	37.3	45.6	14 600	45.9	47.3	13 700				32.0
34.0													28.6	42.5	13 500	38.9	45.1	12 600				34.0
36.0													16.3	37.7	12 500	30.7	42.2	11 700	40.1	44.2	10 900	36.0
38.0																19.6	38.0	10 800	32.2	41.5	10 100	38.0
40.0																			21.8	37.6	9 400	40.0

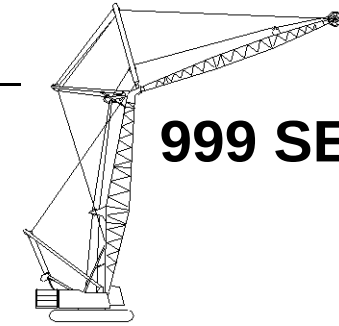
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	71.0	58.8	37 600 *b																			12.2
14.0	67.0	58.1	35 500 *b																			14.0
16.0	62.4	57.2	34 100 *b	68.4	58.1	37 300 *b																16.0
18.0	57.5	56.0	32 100 *	63.9	57.3	35 100 b																18.0
20.0	52.4	54.6	30 500 *	59.1	56.2	31 000	62.9	56.8	29 900 b													20.0
22.0	46.9	52.9	28 700	54.1	54.9	27 500	58.1	55.6	26 500													22.0
24.0	40.9	50.9	26 100	48.8	53.3	24 600	53.0	54.3	23 800	59.5	55.4	22 400										24.0
26.0	34.1	48.3	23 600	42.9	51.3	22 300	47.6	52.6	21 500	54.5	54.1	20 200										26.0
28.0	25.7	44.8	21 400	36.4	48.9	20 300	41.6	50.6	19 600	49.2	52.5	18 400	55.8	53.6	17 200							28.0
30.0	13.0	39.1	18 200	28.6	45.8	18 600	34.9	48.0	17 900	43.4	50.6	16 900	50.6	52.1	15 800							30.0
32.0				18.1	41.1	17 100	26.7	44.7	16 500	36.9	48.2	15 500	45.0	50.3	14 500	51.8	51.3	13 600				32.0
34.0										29.3	45.1	14 300	38.7	48.0	13 400	46.2	49.6	12 500				34.0
36.0										19.1	40.7	13 200	31.4	45.2	12 400	40.1	47.5	11 600				36.0
38.0													22.2	41.2	11 600	33.1	44.8	10 800	41.2	46.6	10 000	38.0
40.0																24.4	41.1	10 000	34.4	44.0	9 300	40.0
42.0																			26.1	40.6	8 700	42.0
44.0																			13.8	35.0	8 100	44.0

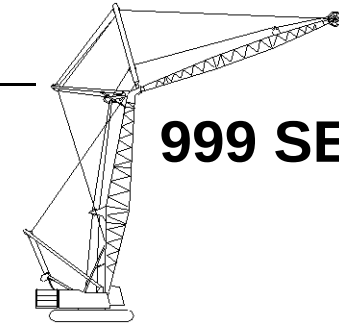
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.0	62.0	35 100 *b																			12.2
14.0	69.4	61.4	33 800 *b																			14.0
16.0	65.3	60.6	31 700 *																			16.0
18.0	61.1	59.6	29 900 *	66.6	60.6	32 700 *																18.0
20.0	56.7	58.4	28 100 *	62.5	59.7	30 800	65.8	60.2	29 800													20.0
22.0	52.1	56.9	26 600 *	58.2	58.5	27 400	61.6	59.2	26 400													22.0
24.0	47.2	55.2	25 300 *	53.6	57.2	24 500	57.2	58.0	23 600													24.0
26.0	41.8	53.2	23 500	48.8	55.6	22 200	52.6	56.6	21 400	58.5	57.7	20 000										26.0
28.0	35.8	50.7	21 400	43.6	53.6	20 100	47.7	54.9	19 400	54.0	56.4	18 200										28.0
30.0	28.7	47.5	19 600	37.8	51.3	18 500	42.4	52.9	17 800	49.2	54.8	16 700	55.2	55.9	15 600							30.0
32.0	19.5	43.1	18 000	31.2	48.4	17 000	36.5	50.5	16 400	44.0	52.9	15 400	50.5	54.4	14 300							32.0
34.0				22.9	44.5	15 700	29.6	47.4	15 100	38.3	50.6	14 200	45.4	52.6	13 300	51.5	53.6	12 300				34.0
36.0							20.7	43.1	14 000	31.7	47.8	13 200	39.8	50.4	12 300	46.5	51.9	11 400				36.0
38.0										23.6	43.9	12 200	33.5	47.7	11 400	41.1	49.8	10 600				38.0
40.0													26.0	44.2	10 600	35.0	47.3	9 900	42.0	48.9	9 200	40.0
42.0													15.2	38.9	9 900	27.8	44.0	9 200	36.1	46.5	8 500	42.0
44.0																18.1	39.3	8 600	29.1	43.3	8 000	44.0
46.0																			20.0	38.9	7 400	46.0

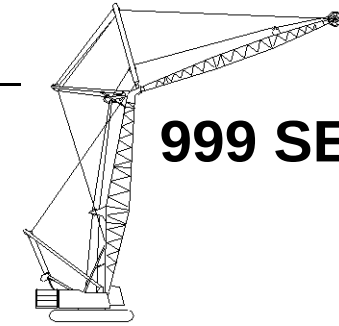
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.6	65.2	32 900 *b																			12.2
14.0	71.3	64.7	32 000 *b																			14.0
16.0	67.7	63.9	30 300 *																			16.0
18.0	63.9	63.0	28 700 *																			18.0
20.0	60.1	62.0	27 200 *	65.2	63.1	29 600																20.0
22.0	56.0	60.7	25 700 *	61.3	62.0	27 500	64.4	62.6	26 400													22.0
24.0	51.8	59.3	24 400 *	57.4	60.9	24 500	60.5	61.5	23 600													24.0
26.0	47.3	57.5	23 200	53.2	59.5	22 100	56.5	60.3	21 400	61.6	61.2	20 000										26.0
28.0	42.5	55.5	21 400	48.8	57.9	20 200	52.3	58.9	19 400	57.7	60.1	18 200										28.0
30.0	37.1	53.1	19 600	44.1	56.0	18 500	47.8	57.2	17 800	53.5	58.7	16 700										30.0
32.0	31.0	50.2	18 100	38.9	53.7	17 000	43.0	55.2	16 400	49.2	57.1	15 300	54.6	58.2	14 300							32.0
34.0	23.6	46.3	16 700	33.1	50.9	15 700	37.8	52.9	15 100	44.5	55.2	14 200	50.3	56.7	13 200							34.0
36.0	12.6	40.2	14 100	26.2	47.4	14 600	31.8	50.0	14 100	39.4	53.0	13 200	45.7	54.9	12 300							36.0
38.0				16.9	42.4	13 600	24.5	46.3	13 100	33.6	50.3	12 200	40.7	52.7	11 400	46.7	54.2	10 600				38.0
40.0										26.8	46.8	11 400	35.2	50.2	10 700	41.9	52.2	9 900				40.0
42.0										17.8	42.0	10 700	28.7	47.0	10 000	36.4	49.7	9 200	42.7	51.2	8 500	42.0
44.0													20.5	42.6	9 300	30.2	46.7	8 600	37.4	48.9	8 000	44.0
46.0																22.5	42.6	8 100	31.3	45.9	7 500	46.0
48.0																			23.9	42.1	7 000	48.0
50.0																			13.2	36.2	6 600	50.0

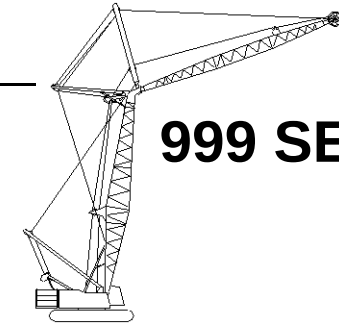
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.9	68.4	31 100 *b																			12.2
14.0	72.9	67.9	29 600 *b																			14.0
16.0	69.6	67.2	28 000 *																			16.0
18.0	66.3	66.4	26 500 *																			18.0
20.0	62.8	65.4	25 100 *	67.4	66.4	27 200 *																20.0
22.0	59.2	64.3	23 800 *	63.9	65.5	25 900 *	66.6	65.9	26 300													22.0
24.0	55.5	63.0	22 600 *	60.4	64.4	24 300	63.2	65.0	23 500													24.0
26.0	51.6	61.6	21 400 *	56.7	63.2	22 000	59.6	63.9	21 200													26.0
28.0	47.5	59.8	20 200 *	52.9	61.8	20 000	55.9	62.6	19 300	60.7	63.6	18 100										28.0
30.0	43.1	57.9	19 300 *	48.8	60.2	18 300	52.0	61.2	17 600	57.0	62.4	16 500										30.0
32.0	38.2	55.5	18 000	44.5	58.3	16 900	47.9	59.5	16 200	53.2	61.0	15 200	58.0	61.9	14 100							32.0
34.0	32.9	52.7	16 600	39.8	56.1	15 600	43.6	57.6	15 000	49.1	59.4	14 000	54.2	60.5	13 100							34.0
36.0	26.5	49.2	15 400	34.7	53.4	14 500	38.8	55.3	13 900	44.9	57.5	13 000	50.2	59.0	12 100							36.0
38.0	18.3	44.4	14 300	28.7	50.2	13 500	33.5	52.5	13 000	40.2	55.3	12 100	46.0	57.2	11 300							38.0
40.0				21.3	45.9	12 600	27.3	49.1	12 100	35.1	52.8	11 300	41.5	55.1	10 500	46.9	56.5	9 700				40.0
42.0							19.4	44.5	11 300	29.2	49.6	10 600	36.5	52.6	9 800	42.5	54.5	9 100				42.0
44.0										21.9	45.4	9 900	30.8	49.6	9 200	37.6	52.1	8 500	43.2	53.6	7 800	44.0
46.0													24.0	45.8	8 600	32.1	49.2	8 000	38.5	51.3	7 300	46.0
48.0													14.5	40.0	8 100	25.6	45.6	7 500	33.1	48.5	6 900	48.0
50.0																17.0	40.5	7 000	26.8	45.0	6 500	50.0
52.0																			18.7	40.2	6 000	52.0

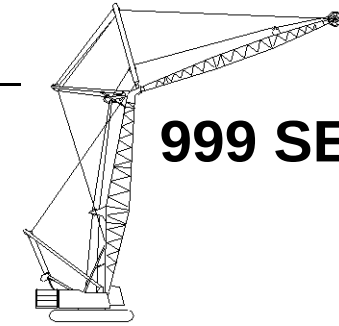
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.7	71.1	25 100 *b																			13.7
14.0	74.3	71.0	24 900 *b																			14.0
16.0	71.3	70.4	23 900 *																			16.0
18.0	68.2	69.7	22 600 *																			18.0
20.0	65.0	68.8	21 400 *	69.2	69.7	23 200 *																20.0
22.0	61.8	67.8	20 300 *	66.1	68.8	22 000 *																22.0
24.0	58.5	66.7	19 300 *	62.9	67.9	20 900 *	65.4	68.4	21 700 *													24.0
26.0	55.0	65.4	18 300 *	59.6	66.8	19 800 *	62.2	67.4	20 600													26.0
28.0	51.4	63.9	17 300 *	56.1	65.5	18 800 *	58.8	66.3	19 200													28.0
30.0	47.6	62.1	16 500 *	52.6	64.1	17 800 *	55.4	65.0	17 500	59.8	66.0	16 400										30.0
32.0	43.5	60.2	15 700 *	48.8	62.5	16 800	51.8	63.5	16 100	56.4	64.7	15 100										32.0
34.0	39.2	57.9	14 900 *	44.9	60.6	15 500	48.0	61.8	14 900	52.9	63.3	13 900										34.0
36.0	34.3	55.2	14 300 *	40.6	58.4	14 400	44.0	59.9	13 800	49.1	61.7	12 900	53.8	62.8	12 000							36.0
38.0	28.8	52.0	13 700 *	35.9	55.9	13 400	39.7	57.6	12 900	45.2	59.8	12 000	50.1	61.3	11 100							38.0
40.0	22.0	47.8	13 100 *	30.7	52.8	12 500	34.9	55.0	12 000	41.0	57.7	11 200	46.2	59.5	10 400	50.9	60.6	9 600				40.0
42.0	12.2	41.3	11 400 *	24.4	49.0	11 700	29.4	51.8	11 200	36.3	55.2	10 500	42.1	57.4	9 700	47.1	58.8	9 000				42.0
44.0				16.0	43.6	11 000	22.9	47.8	10 500	31.1	52.2	9 800	37.6	55.0	9 100	43.0	56.8	8 400				44.0
46.0										25.0	48.4	9 200	32.5	52.2	8 500	38.6	54.5	7 900	43.7	55.9	7 200	46.0
48.0										16.8	43.2	8 700	26.7	48.7	8 000	33.7	51.8	7 400	39.3	53.6	6 800	48.0
50.0													19.3	43.9	7 500	28.0	48.4	6 900	34.5	51.0	6 300	50.0
52.0																21.1	44.0	6 500	29.0	47.7	5 900	52.0
54.0																			22.4	43.6	5 600	54.0
56.0																			12.8	37.3	5 200	56.0

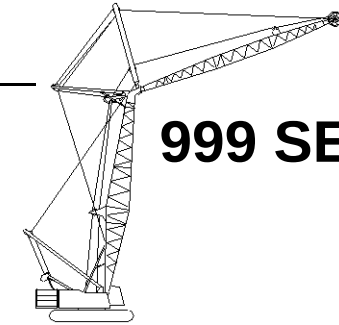
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

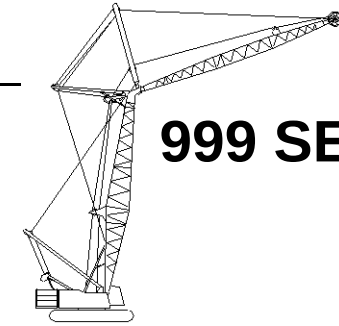
30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	74.3	23 400 *b																			13.7
14.0	75.4	74.2	23 200 *b																			14.0
16.0	72.6	73.6	22 100 *																			16.0
18.0	69.8	72.9	20 900 *																			18.0
20.0	66.9	72.2	19 800 *	70.7	72.9	21 300 *																20.0
22.0	64.0	71.2	18 700 *	67.9	72.2	20 200 *																22.0
24.0	60.9	70.2	17 700 *	64.9	71.3	19 200 *																24.0
26.0	57.8	69.0	16 700 *	61.9	70.3	18 200 *	64.3	70.8	19 000 *													26.0
28.0	54.6	67.7	15 800 *	58.8	69.1	17 200 *	61.3	69.8	18 000 *													28.0
30.0	51.2	66.2	15 000 *	55.6	67.9	16 300 *	58.2	68.6	17 000 *													30.0
32.0	47.7	64.5	14 200 *	52.3	66.4	15 400 *	54.9	67.3	16 000 *	59.1	68.3	14 900										32.0
34.0	43.9	62.5	13 400 *	48.8	64.8	14 600 *	51.6	65.8	14 800	55.9	67.1	13 800										34.0
36.0	39.9	60.3	12 700 *	45.2	62.9	13 800 *	48.1	64.1	13 700	52.6	65.6	12 800										36.0
38.0	35.5	57.7	12 100 *	41.3	60.8	13 100 *	44.4	62.2	12 700	49.1	64.0	11 900	53.5	65.2	11 000							38.0
40.0	30.6	54.6	11 500 *	37.0	58.3	12 400	40.4	60.0	11 900	45.5	62.1	11 100	50.0	63.6	10 200							40.0
42.0	24.8	50.8	11 000 *	32.3	55.4	11 600	36.0	57.5	11 100	41.6	60.0	10 400	46.4	61.8	9 600	50.8	62.9	8 800				42.0
44.0	17.4	45.6	10 600 *	26.8	51.9	10 900	31.2	54.4	10 400	37.3	57.6	9 700	42.6	59.8	8 900	47.2	61.1	8 200				44.0
46.0				20.1	47.3	10 200	25.5	50.7	9 800	32.7	54.8	9 100	38.5	57.4	8 400	43.5	59.1	7 700				46.0
48.0							18.3	45.8	9 200	27.3	51.3	8 500	33.9	54.7	7 900	39.4	56.9	7 200	44.1	58.2	6 600	48.0
50.0										20.7	46.8	8 000	28.8	51.4	7 400	35.0	54.2	6 800	40.1	56.0	6 200	50.0
52.0													22.6	47.2	7 000	30.0	51.1	6 400	35.7	53.4	5 800	52.0
54.0													14.0	41.2	6 600	24.0	47.2	6 000	30.8	50.4	5 500	54.0
56.0																16.2	41.7	5 600	25.1	46.6	5 100	56.0
58.0																			17.7	41.5	4 800	58.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.8	77.0	20 900 *																			15.2
16.0	73.8	76.8	20 400 *																			16.0
18.0	71.2	76.2	19 300 *																			18.0
20.0	68.5	75.4	18 300 *																			20.0
22.0	65.8	74.6	17 300 *	69.4	75.4	18 700 *																22.0
24.0	63.0	73.6	16 300 *	66.7	74.6	17 700 *																24.0
26.0	60.2	72.6	15 400 *	63.9	73.7	16 700 *	66.1	74.2	17 500 *													26.0
28.0	57.3	71.4	14 500 *	61.1	72.7	15 800 *	63.3	73.2	16 500 *													28.0
30.0	54.2	70.0	13 700 *	58.2	71.5	15 000 *	60.5	72.2	15 700 *													30.0
32.0	51.1	68.5	12 900 *	55.2	70.2	14 100 *	57.6	71.0	14 800 *	61.3	71.8	14 900										32.0
34.0	47.8	66.8	12 200 *	52.1	68.7	13 300 *	54.6	69.6	14 000 *	58.4	70.7	13 700										34.0
36.0	44.3	64.8	11 500 *	48.9	67.1	12 600 *	51.4	68.1	13 200 *	55.5	69.4	12 700										36.0
38.0	40.6	62.6	10 900 *	45.4	65.2	11 900 *	48.1	66.4	12 500 *	52.4	67.9	11 800										38.0
40.0	36.6	60.1	10 300 *	41.8	63.1	11 200 *	44.7	64.5	11 800 *	49.1	66.3	11 000	53.2	67.5	10 200							40.0
42.0	32.1	57.2	9 700 *	37.9	60.7	10 600 *	41.0	62.3	11 100	45.7	64.5	10 300	50.0	65.9	9 500							42.0
44.0	27.0	53.7	9 200 *	33.6	57.9	10 000 *	37.0	59.9	10 400	42.1	62.4	9 700	46.6	64.1	8 900	50.7	65.2	8 200				44.0
46.0	20.8	49.2	8 800 *	28.8	54.6	9 500 *	32.6	57.0	9 800	38.2	60.0	9 100	43.1	62.1	8 400	47.4	63.4	7 600				46.0
48.0	12.0	42.4	8 300 *	23.0	50.5	9 000 *	27.6	53.6	9 200	34.0	57.3	8 500	39.2	59.8	7 800	43.8	61.5	7 200				48.0
50.0				15.4	44.8	8 600 *	21.6	49.2	8 700	29.2	54.0	8 000	35.1	57.2	7 400	40.1	59.2	6 700	44.4	60.5	6 100	50.0
52.0										23.5	50.0	7 600	30.5	54.0	6 900	36.0	56.7	6 400	40.7	58.4	5 800	52.0
54.0										16.1	44.4	7 100	25.1	50.3	6 500	31.5	53.7	6 000	36.7	55.9	5 400	54.0
56.0													18.3	45.2	6 200	26.3	50.1	5 600	32.3	52.9	5 100	56.0
58.0																20.0	45.4	5 300	27.3	49.5	4 800	58.0
60.0																			21.1	45.0	4 500	60.0
62.0																			12.5	38.4	4 200	62.0

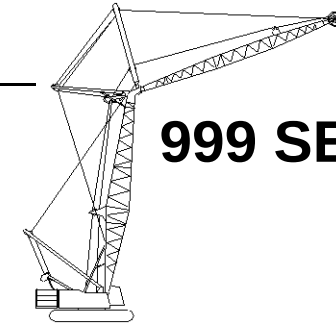
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

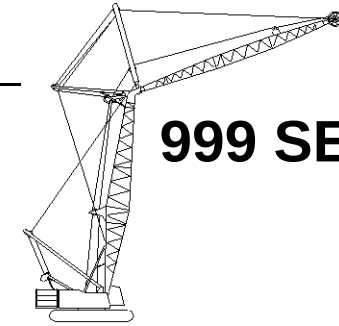
30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.8	80.2	19 200 *																			15.2
16.0	74.9	80.0	18 800 *																			16.0
18.0	72.4	79.4	17 800 *																			18.0
20.0	69.9	78.7	16 800 *																			20.0
22.0	67.4	77.9	15 800 *																			22.0
24.0	64.8	77.0	14 900 *	68.2	77.9	16 200 *																24.0
26.0	62.2	76.0	14 000 *	65.7	77.1	15 300 *	67.7	77.5	15 900 *													26.0
28.0	59.5	74.9	13 200 *	63.1	76.1	14 400 *	65.1	76.6	15 000 *													28.0
30.0	56.8	73.7	12 400 *	60.4	75.0	13 500 *	62.5	75.6	14 200 *													30.0
32.0	53.9	72.3	11 600 *	57.7	73.8	12 700 *	59.8	74.5	13 400 *													32.0
34.0	50.9	70.8	10 900 *	54.8	72.5	12 000 *	57.1	73.3	12 600 *	60.6	74.2	13 500										34.0
36.0	47.9	69.1	10 300 *	51.9	71.0	11 200 *	54.2	71.9	11 900 *	57.9	73.0	12 600										36.0
38.0	44.6	67.1	9 600 *	48.9	69.4	10 600 *	51.3	70.4	11 100 *	55.1	71.7	11 700										38.0
40.0	41.1	65.0	9 000 *	45.7	67.5	9 900 *	48.2	68.7	10 400 *	52.1	70.2	10 900	55.8	71.2	10 000							40.0
42.0	37.4	62.5	8 500 *	42.3	65.4	9 300 *	45.0	66.8	9 800 *	49.1	68.6	10 200	52.9	69.8	9 400							42.0
44.0	33.4	59.7	8 000 *	38.7	63.1	8 700 *	41.5	64.7	9 200 *	45.9	66.8	9 500	49.9	68.2	8 800							44.0
46.0	28.8	56.4	7 500 *	34.7	60.4	8 200 *	37.9	62.3	8 700 *	42.6	64.7	8 900	46.8	66.4	8 200	50.6	67.5	7 500				46.0
48.0	23.5	52.3	7 000 *	30.4	57.3	7 700 *	33.8	59.5	8 100 *	39.0	62.4	8 400	43.4	64.4	7 700	47.5	65.7	7 000				48.0
50.0	16.6	46.9	6 700 *	25.3	53.5	7 300 *	29.4	56.3	7 600 *	35.0	59.7	7 900	39.9	62.2	7 200	44.2	63.8	6 600				50.0
52.0				19.1	48.6	6 900 *	24.1	52.3	7 200 *	30.7	56.6	7 400	36.1	59.6	6 800	40.7	61.6	6 200	44.7	62.8	5 600	52.0
54.0							17.5	47.0	6 800 *	25.8	52.9	7 000	31.9	56.6	6 400	37.0	59.1	5 800	41.3	60.7	5 200	54.0
56.0										19.7	48.1	6 600	27.1	53.1	6 100	32.8	56.2	5 500	37.6	58.3	4 900	56.0
58.0													21.4	48.7	5 700	28.2	52.9	5 200	33.6	55.5	4 600	58.0
60.0													13.6	42.3	5 300	22.8	48.7	4 900	29.0	52.2	4 400	60.0
62.0																15.6	42.9	4 600	23.7	48.1	4 100	62.0
64.0																			17.0	42.8	3 900	64.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

30.5m (100 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.9	82.9	17 000 *																			16.8
18.0	73.5	82.6	16 500 *																			18.0
20.0	71.2	81.9	15 500 *																			20.0
22.0	68.8	81.2	14 600 *																			22.0
24.0	66.4	80.4	13 700 *	69.6	81.2	14 900 *																24.0
26.0	64.0	79.5	12 900 *	67.2	80.4	14 100 *																26.0
28.0	61.5	78.4	12 100 *	64.8	79.5	13 200 *	66.7	79.9	13 800 *													28.0
30.0	58.9	77.3	11 300 *	62.3	78.5	12 400 *	64.3	79.0	13 000 *													30.0
32.0	56.3	76.0	10 600 *	59.8	77.4	11 700 *	61.8	78.0	12 200 *													32.0
34.0	53.6	74.6	9 900 *	57.2	76.2	10 900 *	59.2	76.9	11 500 *													34.0
36.0	50.8	73.1	9 300 *	54.5	74.8	10 200 *	56.6	75.6	10 800 *	60.0	76.6	11 600 *										36.0
38.0	47.9	71.4	8 600 *	51.7	73.3	9 600 *	53.9	74.2	10 100 *	57.4	75.4	11 000 *										38.0
40.0	44.9	69.4	8 100 *	48.9	71.7	8 900 *	51.1	72.7	9 400 *	54.7	74.0	10 300 *										40.0
42.0	41.6	67.3	7 500 *	45.9	69.8	8 300 *	48.2	71.0	8 800 *	52.0	72.5	9 600 *	55.4	73.5	9 200							42.0
44.0	38.2	64.9	7 000 *	42.7	67.8	7 800 *	45.2	69.1	8 300 *	49.1	70.9	9 000 *	52.7	72.1	8 600							44.0
46.0	34.5	62.2	6 600 *	39.3	65.5	7 300 *	42.0	67.0	7 700 *	46.1	69.1	8 400 *	49.9	70.5	8 100							46.0
48.0	30.3	59.1	6 100 *	35.7	62.9	6 800 *	38.6	64.7	7 200 *	43.0	67.0	7 900 *	46.9	68.7	7 600	50.5	69.8	6 900				48.0
50.0	25.6	55.3	5 700 *	31.7	59.9	6 300 *	34.9	62.0	6 700 *	39.6	64.8	7 400 *	43.8	66.7	7 100	47.5	68.0	6 400				50.0
52.0	19.9	50.5	5 200 *	27.2	56.3	5 900 *	30.8	58.9	6 300 *	36.0	62.2	6 900 *	40.5	64.5	6 700	44.5	66.1	6 100				52.0
54.0	11.8	43.5	4 800 *	21.9	51.9	5 400 *	26.2	55.2	5 800 *	32.0	59.2	6 400 *	37.0	62.0	6 300	41.2	63.9	5 700	45.0	65.1	5 100	54.0
56.0				14.9	45.9	4 900 *	20.6	50.6	5 300 *	27.6	55.7	6 000 *	33.1	59.2	5 900	37.7	61.5	5 400	41.8	63.0	4 800	56.0
58.0										22.3	51.4	5 500 *	28.8	55.8	5 600	34.0	58.7	5 100	38.3	60.7	4 500	58.0
60.0										15.5	45.6	5 000 *	23.8	51.8	5 300	29.8	55.5	4 800	34.6	58.0	4 200	60.0
62.0													17.5	46.5	5 000	25.0	51.7	4 500	30.5	54.8	4 000	62.0
64.0													7.2	37.4	4 700	19.1	46.7	4 200	25.8	51.1	3 700	64.0
66.0																			20.2	46.4	3 500	66.0
68.0																			12.2	39.5	3 300	68.0

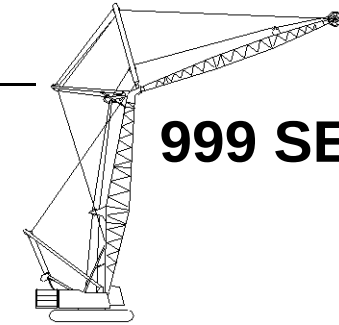
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	61.0	54.6	44 300 *b																			13.7
14.0	60.1	54.4	44 000 *b																			14.0
16.0	53.7	53.1	41 800 *b																			16.0
18.0	46.7	51.5	37 800	56.7	53.5	35 600 b																18.0
20.0	38.8	49.3	33 000	50.0	52.0	31 100 b	55.8	53.0	29 900 b													20.0
22.0	29.2	46.4	29 200	42.6	50.1	27 500	49.1	51.5	26 500 b	58.5	52.9	24 800 b										22.0
24.0	14.9	41.4	24 100	33.9	47.6	24 700	41.5	49.5	23 700	52.0	51.5	22 200										24.0
26.0				22.5	43.8	22 300	32.6	46.8	21 400	44.8	49.7	20 100	54.6	51.1	18 700 b							26.0
28.0							20.5	42.8	19 500	36.6	47.4	18 200	47.7	49.5	17 000							28.0
30.0										26.2	44.1	16 700	39.9	47.4	15 500							30.0
32.0										7.9	37.6	15 300	30.6	44.6	14 300	42.7	47.0	13 300				32.0
34.0																34.0	44.5	12 200	44.9	46.2	11 300	34.0
36.0																22.7	40.8	11 300	36.6	43.9	10 500	36.0
38.0																			26.4	40.6	9 700	38.0

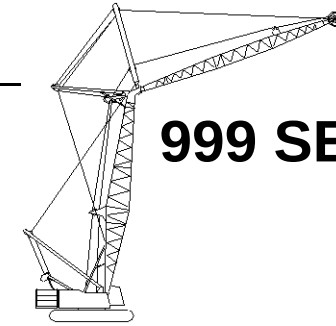
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	64.9	58.0	39 700 *b																			13.7
14.0	64.2	57.9	39 400 *b																			14.0
16.0	58.8	56.8	37 300 *b																			16.0
18.0	53.2	55.5	35 200 *	61.3	57.0	35 400 b																18.0
20.0	47.0	53.8	33 000	55.8	55.8	30 900	60.6	56.6	29 800 b													20.0
22.0	40.2	51.7	29 100	49.9	54.3	27 400	55.0	55.3	26 300													22.0
24.0	32.3	49.0	26 100	43.4	52.4	24 600	49.1	53.8	23 600	57.4	55.2	22 100										24.0
26.0	21.9	45.0	23 500	36.1	50.0	22 200	42.5	51.8	21 400	51.6	53.8	19 900										26.0
28.0				27.1	46.8	20 200	35.0	49.3	19 400	45.4	52.0	18 100	53.9	53.4	16 900							28.0
30.0				13.5	41.4	18 500	25.7	45.9	17 800	38.3	49.8	16 600	47.8	51.8	15 400							30.0
32.0							10.5	39.8	16 300	29.9	46.8	15 300	41.1	49.8	14 200	50.0	51.2	13 100				32.0
34.0										18.4	42.4	14 100	33.4	47.1	13 100	43.5	49.3	12 100				34.0
36.0													23.5	43.4	12 100	36.2	46.9	11 200				36.0
38.0																27.2	43.7	10 400	38.4	46.3	9 600	38.0
40.0																			30.0	43.3	8 900	40.0
42.0																			18.5	38.9	8 300	42.0

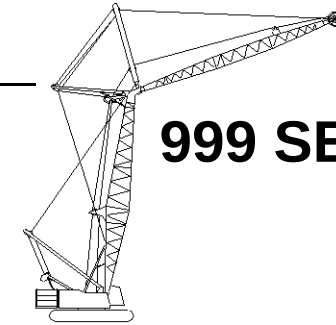
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	67.9	61.4	36 400 *b																			13.7
14.0	67.2	61.2	36 100 *b																			14.0
16.0	62.6	60.3	34 000 *b																			16.0
18.0	57.8	59.2	32 100 *	64.7	60.5	35 000 b																18.0
20.0	52.7	57.8	30 500 *	60.0	59.4	30 800	64.1	60.0	29 700 b													20.0
22.0	47.3	56.1	28 800	55.1	58.1	27 300	59.4	59.0	26 300													22.0
24.0	41.3	54.0	26 200	49.8	56.6	24 500	54.4	57.7	23 500													24.0
26.0	34.5	51.5	23 600	44.1	54.7	22 100	49.1	56.1	21 300	56.5	57.5	19 800										26.0
28.0	26.2	48.0	21 500	37.7	52.4	20 200	43.3	54.2	19 400	51.3	56.1	18 000										28.0
30.0	14.0	42.6	18 600	30.2	49.5	18 500	36.8	51.8	17 700	45.8	54.3	16 500	53.4	55.7	15 300							30.0
32.0				20.4	45.2	17 000	29.1	48.7	16 300	39.6	52.2	15 200	48.0	54.1	14 100							32.0
34.0							18.7	44.2	15 100	32.5	49.4	14 000	42.1	52.1	13 000	49.9	53.5	12 000				34.0
36.0										23.6	45.7	13 000	35.4	49.6	12 000	44.1	51.7	11 100				36.0
38.0										8.4	38.7	12 100	27.4	46.3	11 200	37.8	49.4	10 300				38.0
40.0																30.3	46.4	9 600	39.7	48.7	8 800	40.0
42.0																20.6	42.2	9 000	32.6	45.9	8 200	42.0
44.0																			23.7	42.2	7 700	44.0

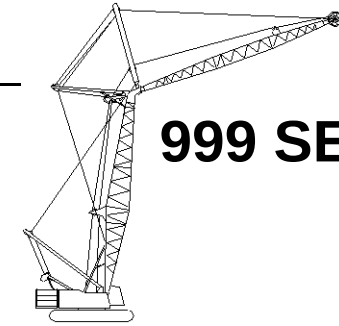
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.2	64.6	34 000 *b																			13.7
14.0	69.6	64.5	33 700 *b																			14.0
16.0	65.5	63.7	31 700 *b																			16.0
18.0	61.3	62.7	29 900 *	67.4	63.8	33 000 *b																18.0
20.0	57.0	61.5	28 200 *	63.3	62.9	30 800	66.9	63.4	29 500 b													20.0
22.0	52.3	60.1	26 700 *	59.0	61.8	27 200	62.7	62.4	26 100													22.0
24.0	47.4	58.4	25 300 *	54.5	60.5	24 400	58.4	61.3	23 400													24.0
26.0	42.1	56.4	23 500	49.7	58.9	22 000	53.9	60.0	21 100	60.2	61.1	19 600										26.0
28.0	36.1	53.9	21 400	44.6	57.0	20 100	49.0	58.4	19 200	55.8	59.9	17 900										28.0
30.0	29.1	50.8	19 600	38.9	54.8	18 400	43.9	56.5	17 600	51.1	58.4	16 400										30.0
32.0	20.1	46.4	18 100	32.5	52.0	16 900	38.1	54.2	16 200	46.1	56.6	15 100	53.0	58.1	13 900							32.0
34.0				24.6	48.4	15 600	31.5	51.3	15 000	40.6	54.5	13 900	48.1	56.4	12 800							34.0
36.0				12.9	42.5	14 500	23.4	47.5	13 900	34.4	51.9	12 900	42.8	54.4	11 900	49.8	55.8	10 900				36.0
38.0							10.4	40.9	12 900	27.1	48.5	12 000	36.9	52.0	11 100	44.6	54.0	10 100				38.0
40.0										17.1	43.6	11 100	30.1	49.0	10 300	39.0	51.7	9 400	46.1	53.1	8 600	40.0
42.0													21.5	44.9	9 600	32.6	49.0	8 800	40.7	51.0	8 000	42.0
44.0																24.7	45.3	8 300	34.5	48.4	7 500	44.0
46.0																			27.2	45.1	7 000	46.0
48.0																			17.2	40.2	6 500	48.0

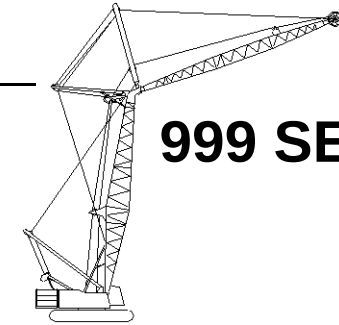
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

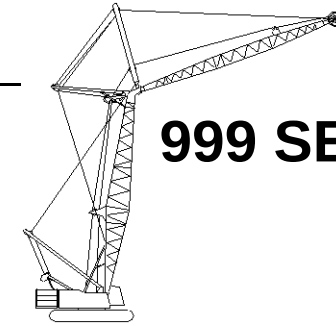
33.5m (110 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.0	67.8	32 000 *b																			13.7
14.0	71.5	67.7	31 800 *b																			14.0
16.0	67.9	67.0	30 100 *b																			16.0
18.0	64.1	66.1	28 600 *																			18.0
20.0	60.3	65.1	27 200 *	65.9	66.3	29 700																20.0
22.0	56.3	63.8	25 800 *	62.1	65.3	27 300	65.4	65.8	26 100													22.0
24.0	52.0	62.4	24 400 *	58.1	64.1	24 300	61.5	64.8	23 400													24.0
26.0	47.6	60.7	23 200	54.0	62.8	22 000	57.6	63.7	21 100													26.0
28.0	42.7	58.7	21 400	49.6	61.2	20 000	53.4	62.3	19 200	59.3	63.5	17 900										28.0
30.0	37.4	56.3	19 600	45.0	59.4	18 400	49.0	60.7	17 600	55.2	62.2	16 300										30.0
32.0	31.4	53.4	18 100	39.9	57.2	16 900	44.3	58.8	16 200	50.9	60.7	15 100	56.8	61.8	13 900							32.0
34.0	24.0	49.6	16 700	34.3	54.5	15 600	39.2	56.6	15 000	46.4	58.9	13 900	52.6	60.4	12 800							34.0
36.0	13.4	43.7	14 500	27.6	51.2	14 500	33.4	53.8	13 900	41.4	56.9	12 900	48.2	58.7	11 900							36.0
38.0				19.0	46.5	13 500	26.6	50.4	12 900	36.0	54.4	12 000	43.4	56.8	11 100	49.7	58.1	10 100				38.0
40.0							17.5	45.4	12 100	29.7	51.3	11 200	38.2	54.4	10 300	45.1	56.3	9 400				40.0
42.0										21.8	47.1	10 500	32.2	51.6	9 700	40.0	54.1	8 800				42.0
44.0										8.8	39.8	9 800	25.1	47.9	9 000	34.3	51.5	8 300	41.5	53.4	7 500	44.0
46.0																27.7	48.1	7 700	36.0	50.9	7 000	46.0
48.0																19.1	43.5	7 300	29.7	47.8	6 600	48.0
50.0																			21.9	43.6	6 200	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.6	71.0	26 500 *b																			13.7
14.0	73.1	70.9	26 400 *b																			14.0
16.0	69.8	70.3	25 600 *																			16.0
18.0	66.4	69.5	24 400 *																			18.0
20.0	63.0	68.5	23 100 *	68.0	69.6	25 200 *																20.0
22.0	59.4	67.4	21 900 *	64.6	68.7	23 900 *																22.0
24.0	55.7	66.2	20 800 *	61.0	67.7	22 700 *	64.1	68.3	23 200													24.0
26.0	51.8	64.7	19 700 *	57.4	66.5	21 500	60.6	67.2	20 900													26.0
28.0	47.7	63.0	18 700 *	53.6	65.1	20 000	56.9	66.0	19 100													28.0
30.0	43.3	61.0	17 800 *	49.6	63.5	18 200	53.1	64.6	17 500	58.5	65.8	16 200										30.0
32.0	38.5	58.7	17 100 *	45.3	61.7	16 800	49.0	63.0	16 100	54.7	64.5	14 900										32.0
34.0	33.2	55.9	16 300 *	40.7	59.5	15 500	44.7	61.1	14 800	50.8	63.0	13 800	56.2	64.1	12 700							34.0
36.0	26.9	52.5	15 500	35.7	57.0	14 400	40.1	58.9	13 800	46.6	61.2	12 700	52.3	62.7	11 700							36.0
38.0	18.8	47.7	14 400	29.9	53.9	13 400	35.0	56.3	12 800	42.1	59.2	11 900	48.2	61.0	10 900							38.0
40.0				22.8	49.8	12 500	29.0	53.1	12 000	37.2	56.8	11 100	43.9	59.1	10 200	49.6	60.4	9 300				40.0
42.0				12.5	43.6	11 700	21.7	48.9	11 200	31.7	53.9	10 400	39.2	56.8	9 500	45.4	58.6	8 700				42.0
44.0							10.4	41.9	10 500	25.0	50.2	9 700	33.9	54.1	8 900	40.8	56.5	8 100				44.0
46.0										16.1	44.8	9 100	27.8	50.8	8 300	35.7	53.9	7 600	42.1	55.7	6 900	46.0
48.0													20.0	46.3	7 800	30.0	50.8	7 100	37.2	53.3	6 400	48.0
50.0																22.9	46.8	6 700	31.7	50.4	6 000	50.0
52.0																			25.1	46.7	5 600	52.0
54.0																			16.2	41.4	5 300	54.0

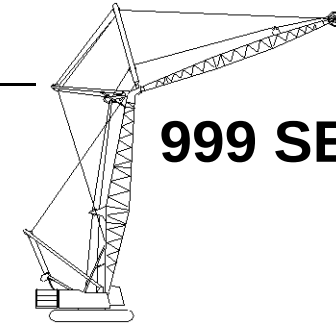
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

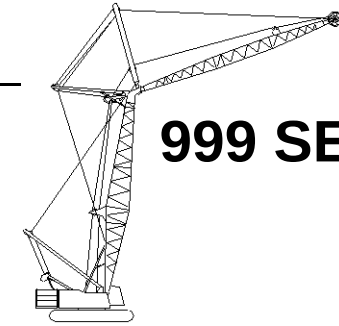
33.5m (110 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.9	74.2	24 800 * ^b																			13.7
14.0	74.5	74.1	24 700 * ^b																			14.0
16.0	71.4	73.5	23 900 *																			16.0
18.0	68.3	72.8	22 600 *																			18.0
20.0	65.2	71.9	21 400 *	69.8	72.8	23 200 *																20.0
22.0	62.0	70.9	20 300 *	66.6	72.0	22 100 *																22.0
24.0	58.6	69.8	19 300 *	63.5	71.1	21 000 *	66.2	71.6	21 900 *													24.0
26.0	55.2	68.5	18 300 *	60.2	70.0	20 000 *	63.0	70.7	20 800													26.0
28.0	51.6	67.0	17 400 *	56.8	68.8	19 000 *	59.7	69.6	18 900													28.0
30.0	47.8	65.3	16 500 *	53.2	67.4	18 000	56.3	68.3	17 300	61.1	69.4	16 100										30.0
32.0	43.8	63.3	15 700 *	49.5	65.8	16 700	52.8	66.9	16 000	57.8	68.2	14 800										32.0
34.0	39.4	61.1	15 000 *	45.6	64.0	15 400	49.0	65.3	14 700	54.3	66.8	13 600										34.0
36.0	34.6	58.4	14 300 *	41.4	61.9	14 300	45.1	63.4	13 700	50.6	65.3	12 600	55.6	66.4	11 600							36.0
38.0	29.1	55.2	13 700 *	36.8	59.4	13 300	40.8	61.3	12 700	46.8	63.5	11 700	52.1	65.0	10 800							38.0
40.0	22.5	51.1	13 200	31.7	56.5	12 400	36.2	58.8	11 900	42.7	61.5	11 000	48.3	63.3	10 000							40.0
42.0	12.9	44.8	11 800	25.7	52.8	11 600	31.0	55.7	11 100	38.2	59.2	10 200	44.3	61.4	9 400	49.6	62.7	8 500				42.0
44.0				17.9	47.8	10 900	24.8	52.0	10 400	33.3	56.4	9 600	40.0	59.2	8 800	45.7	60.9	8 000				44.0
46.0							16.6	46.7	9 800	27.5	53.0	9 000	35.2	56.6	8 200	41.5	58.8	7 500	46.8	60.0	6 700	46.0
48.0										20.4	48.5	8 500	29.9	53.5	7 800	36.9	56.3	7 000	42.7	58.0	6 300	48.0
50.0										9.0	40.9	8 000	23.4	49.5	7 300	31.8	53.4	6 600	38.2	55.7	5 900	50.0
52.0																25.8	49.8	6 200	33.3	52.9	5 500	52.0
54.0																18.0	44.8	5 800	27.6	49.5	5 200	54.0
56.0																			20.5	45.0	4 900	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	76.0	77.3	23 100 *b																			13.7
14.0	75.6	77.3	23 000 *b																			14.0
16.0	72.8	76.7	22 000 *																			16.0
18.0	70.0	76.0	20 800 *																			18.0
20.0	67.1	75.2	19 800 *																			20.0
22.0	64.1	74.3	18 700 *	68.4	75.3	20 400 *																22.0
24.0	61.1	73.3	17 700 *	65.5	74.5	19 300 *																24.0
26.0	58.0	72.1	16 700 *	62.5	73.5	18 300 *	65.1	74.1	19 100 *													26.0
28.0	54.8	70.8	15 900 *	59.4	72.4	17 400 *	62.1	73.1	18 200 *													28.0
30.0	51.4	69.3	15 000 *	56.2	71.1	16 400 *	59.0	71.9	17 200													30.0
32.0	47.9	67.6	14 200 *	53.0	69.7	15 600 *	55.8	70.7	15 800	60.3	71.7	14 600										32.0
34.0	44.1	65.7	13 500 *	49.5	68.1	14 800 *	52.5	69.2	14 600	57.2	70.5	13 500										34.0
36.0	40.1	63.5	12 800 *	45.9	66.3	14 000 *	49.0	67.6	13 500	53.9	69.2	12 500										36.0
38.0	35.8	60.9	12 100 *	42.0	64.2	13 200	45.4	65.7	12 600	50.5	67.6	11 600	55.2	68.8	10 600							38.0
40.0	30.9	57.8	11 500 *	37.8	61.8	12 300	41.5	63.6	11 800	46.9	65.8	10 800	51.8	67.3	9 900							40.0
42.0	25.2	54.1	11 000 *	33.2	59.0	11 500	37.2	61.2	11 000	43.1	63.8	10 100	48.3	65.6	9 200							42.0
44.0	17.8	49.0	10 600 *	27.9	55.6	10 800	32.5	58.3	10 300	39.1	61.6	9 400	44.6	63.7	8 600	49.6	65.0	7 800				44.0
46.0				21.5	51.3	10 200	27.1	54.8	9 700	34.6	58.9	8 900	40.7	61.5	8 100	45.9	63.2	7 300				46.0
48.0				12.2	44.7	9 600	20.5	50.3	9 100	29.5	55.7	8 300	36.4	59.0	7 600	42.1	61.1	6 800				48.0
50.0							10.3	43.0	8 600	23.5	51.7	7 900	31.6	56.1	7 100	37.9	58.8	6 400	43.2	60.4	5 700	50.0
52.0										15.4	46.0	7 400	26.0	52.4	6 700	33.3	56.0	6 000	39.1	58.1	5 400	52.0
54.0													18.9	47.6	6 300	28.0	52.6	5 700	34.6	55.4	5 100	54.0
56.0																21.6	48.2	5 300	29.6	52.2	4 700	56.0
58.0																			23.5	48.2	4 400	58.0
60.0																			15.5	42.6	4 200	60.0

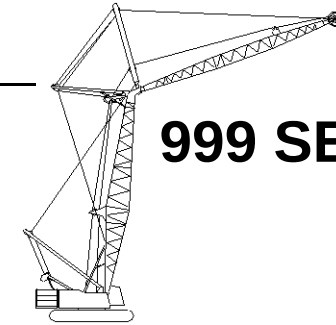
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.0	80.1	20 800 *																			15.2
16.0	74.0	79.9	20 400 *																			16.0
18.0	71.4	79.3	19 300 *																			18.0
20.0	68.7	78.5	18 300 *																			20.0
22.0	66.0	77.7	17 300 *	69.9	78.6	18 800 *																22.0
24.0	63.2	76.7	16 300 *	67.2	77.8	17 800 *																24.0
26.0	60.3	75.7	15 400 *	64.5	76.9	16 900 *	66.8	77.4	17 600 *													26.0
28.0	57.4	74.5	14 600 *	61.7	75.9	16 000 *	64.1	76.5	16 800 *													28.0
30.0	54.4	73.1	13 800 *	58.8	74.7	15 100 *	61.3	75.4	15 900 *													30.0
32.0	51.2	71.6	13 000 *	55.8	73.5	14 300 *	58.4	74.3	15 000 *	62.5	75.2	14 600										32.0
34.0	48.0	69.9	12 300 *	52.7	72.0	13 500 *	55.4	73.0	14 200 *	59.6	74.1	13 400										34.0
36.0	44.5	68.0	11 600 *	49.5	70.4	12 700 *	52.3	71.5	13 400 *	56.6	72.9	12 400										36.0
38.0	40.8	65.8	11 000 *	46.1	68.6	12 000 *	49.0	69.9	12 600	53.6	71.5	11 600										38.0
40.0	36.8	63.3	10 400 *	42.5	66.5	11 400 *	45.6	68.0	11 700	50.4	69.9	10 800	54.8	71.1	9 800							40.0
42.0	32.4	60.4	9 800 *	38.6	64.2	10 700 *	42.0	65.9	11 000	47.1	68.1	10 000	51.7	69.6	9 200							42.0
44.0	27.3	56.9	9 300 *	34.4	61.5	10 200 *	38.1	63.6	10 300	43.6	66.2	9 400	48.4	67.9	8 600							44.0
46.0	21.2	52.5	8 800 *	29.7	58.3	9 600 *	33.8	60.8	9 700	39.8	63.9	8 900	44.9	66.0	8 000	49.5	67.3	7 300				46.0
48.0	12.6	45.9	8 500 *	24.2	54.4	9 200 *	29.0	57.5	9 100	35.7	61.3	8 300	41.3	63.9	7 600	46.1	65.5	6 800				48.0
50.0				17.1	49.1	8 700 *	23.3	53.5	8 600	31.1	58.3	7 800	37.3	61.4	7 100	42.5	63.5	6 400				50.0
52.0							15.9	47.9	8 100	25.9	54.6	7 300	33.0	58.6	6 700	38.7	61.1	6 000	43.6	62.7	5 400	52.0
54.0										19.4	49.8	6 900	28.0	55.2	6 300	34.5	58.4	5 600	39.8	60.4	5 000	54.0
56.0										9.2	42.0	6 500	22.1	50.9	5 900	29.8	55.3	5 300	35.7	57.8	4 700	56.0
58.0																24.3	51.3	5 000	31.2	54.8	4 400	58.0
60.0																17.2	46.0	4 700	25.9	51.1	4 100	60.0
62.0																			19.4	46.4	3 900	62.0
64.0																			9.3	38.5	3 600	64.0

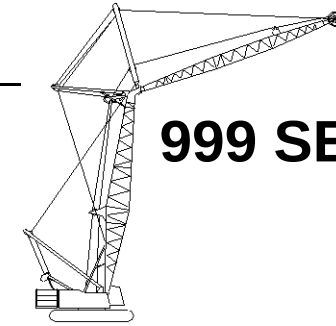
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.9	83.2	19 100 *																			15.2
16.0	75.0	83.0	18 800 *																			16.0
18.0	72.6	82.5	17 700 *																			18.0
20.0	70.1	81.8	16 800 *																			20.0
22.0	67.6	81.0	15 800 *																			22.0
24.0	65.0	80.1	14 900 *	68.7	81.1	16 300 *																24.0
26.0	62.4	79.1	14 000 *	66.2	80.3	15 400 *																26.0
28.0	59.7	78.0	13 200 *	63.6	79.3	14 500 *	65.8	79.8	15 200 *													28.0
30.0	56.9	76.8	12 400 *	60.9	78.3	13 700 *	63.2	78.9	14 400 *													30.0
32.0	54.1	75.4	11 700 *	58.2	77.1	12 900 *	60.5	77.8	13 600 *													32.0
34.0	51.1	73.9	10 900 *	55.4	75.8	12 100 *	57.8	76.6	12 800 *	61.7	77.6	13 300 *										34.0
36.0	48.0	72.2	10 300 *	52.5	74.3	11 400 *	55.0	75.3	12 100 *	59.0	76.5	12 300 *										36.0
38.0	44.8	70.3	9 600 *	49.4	72.7	10 700 *	52.1	73.8	11 300 *	56.2	75.2	11 400 *										38.0
40.0	41.3	68.1	9 100 *	46.3	70.9	10 000 *	49.0	72.2	10 700 *	53.3	73.8	10 600 *	57.3	74.8	9 700 *							40.0
42.0	37.6	65.7	8 500 *	42.9	68.9	9 400 *	45.8	70.3	10 000 *	50.3	72.2	9 900 *	54.4	73.4	9 000 *							42.0
44.0	33.6	62.9	8 000 *	39.4	66.6	8 900 *	42.5	68.3	9 400 *	47.2	70.4	9 300 *	51.5	71.9	8 400 *							44.0
46.0	29.1	59.6	7 500 *	35.5	64.0	8 300 *	38.9	66.0	8 800 *	43.9	68.5	8 700 *	48.4	70.2	7 900 *	52.5	71.2	7 100 *				46.0
48.0	23.8	55.6	7 100 *	31.2	60.9	7 800 *	34.9	63.3	8 300 *	40.4	66.3	8 200 *	45.2	68.3	7 400 *	49.5	69.6	6 600 *				48.0
50.0	17.1	50.3	6 700 *	26.3	57.3	7 400 *	30.6	60.2	7 800 *	36.6	63.8	7 700 *	41.8	66.2	6 900 *	46.3	67.8	6 200 *				50.0
52.0				20.4	52.7	6 900 *	25.6	56.4	7 400 *	32.5	60.9	7 300 *	38.1	63.8	6 500 *	43.0	65.8	5 900 *	47.2	67.0	5 200 *	52.0
54.0				12.0	45.8	6 600 *	19.5	51.6	6 900 *	27.8	57.4	6 800 *	34.1	61.1	6 100 *	39.4	63.5	5 500 *	43.9	65.0	4 800 *	54.0
56.0							10.3	44.1	6 600 *	22.3	53.1	6 400 *	29.7	57.9	5 800 *	35.5	60.9	5 100 *	40.4	62.8	4 500 *	56.0
58.0										14.9	47.2	6 100 *	24.5	54.0	5 500 *	31.3	57.9	4 800 *	36.7	60.3	4 200 *	58.0
60.0													18.1	48.9	5 100 *	26.4	54.2	4 500 *	32.5	57.4	4 000 *	60.0
62.0																20.5	49.6	4 300 *	27.9	53.9	3 700 *	62.0
64.0																12.1	42.8	4 000 *	22.3	49.7	3 500 *	64.0
66.0																			14.9	43.7	3 300 *	66.0

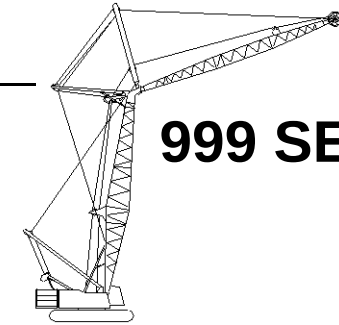
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

33.5m (110 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.0	86.0	17 000 *																			16.8
18.0	73.6	85.7	16 400 *																			18.0
20.0	71.3	85.0	15 500 *																			20.0
22.0	68.9	84.3	14 600 *																			22.0
24.0	66.5	83.5	13 700 *																			24.0
26.0	64.1	82.6	12 900 *	67.6	83.6	14 200 *																26.0
28.0	61.6	81.5	12 100 *	65.2	82.7	13 300 *	67.3	83.2	14 000 *													28.0
30.0	59.1	80.4	11 300 *	62.8	81.7	12 600 *	64.9	82.3	13 200 *													30.0
32.0	56.5	79.1	10 600 *	60.3	80.6	11 800 *	62.4	81.3	12 400 *													32.0
34.0	53.8	77.7	10 000 *	57.7	79.4	11 000 *	59.9	80.2	11 700 *													34.0
36.0	51.0	76.2	9 300 *	55.0	78.1	10 300 *	57.3	79.0	11 000 *	61.0	80.0	11 900 *										36.0
38.0	48.1	74.5	8 700 *	52.3	76.6	9 700 *	54.7	77.6	10 300 *	58.4	78.8	11 200 *										38.0
40.0	45.0	72.6	8 100 *	49.4	75.0	9 000 *	51.9	76.1	9 600 *	55.8	77.5	10 500 *										40.0
42.0	41.8	70.5	7 600 *	46.4	73.2	8 500 *	49.0	74.5	9 000 *	53.1	76.1	9 800 *	56.8	77.1	8 900 *							42.0
44.0	38.4	68.1	7 100 *	43.3	71.2	7 900 *	46.0	72.6	8 400 *	50.2	74.5	9 200 *	54.1	75.7	8 300 *							44.0
46.0	34.7	65.4	6 600 *	40.0	68.9	7 400 *	42.9	70.6	7 900 *	47.3	72.8	8 600 *	51.3	74.2	7 800 *							46.0
48.0	30.6	62.3	6 200 *	36.4	66.4	6 900 *	39.5	68.3	7 300 *	44.2	70.8	8 100 *	48.5	72.5	7 300 *							48.0
50.0	25.9	58.6	5 800 *	32.5	63.5	6 400 *	35.9	65.7	6 900 *	40.9	68.6	7 600 *	45.4	70.6	6 800 *	49.5	71.9	6 100 *				50.0
52.0	20.2	53.9	5 300 *	28.1	60.1	6 000 *	31.9	62.8	6 400 *	37.5	66.2	7 100 *	42.2	68.6	6 400 *	46.5	70.1	5 700 *				52.0
54.0	12.3	47.0	4 800 *	23.0	55.9	5 500 *	27.5	59.3	6 000 *	33.6	63.4	6 600 *	38.8	66.2	6 000 *	43.3	68.1	5 400 *				54.0
56.0				16.4	50.3	5 000 *	22.2	54.9	5 500 *	29.4	60.1	6 200 *	35.2	63.6	5 700 *	40.0	65.9	5 000 *	44.2	67.3	4 400 *	56.0
58.0							15.3	49.0	5 000 *	24.5	56.2	5 700 *	31.1	60.5	5 300 *	36.4	63.3	4 700 *	41.0	65.1	4 200 *	58.0
60.0										18.5	51.1	5 200 *	26.5	56.9	5 000 *	32.5	60.4	4 400 *	37.5	62.7	3 900 *	60.0
62.0										9.3	43.0	4 800 *	21.0	52.3	4 700 *	28.2	57.0	4 200 *	33.7	59.9	3 600 *	62.0
64.0													13.6	45.9	4 500 *	23.0	52.8	3 900 *	29.5	56.6	3 400 *	64.0
66.0																16.5	47.3	3 700 *	24.6	52.7	3 200 *	66.0
68.0																			18.6	47.7	3 000 *	68.0
70.0																			9.4	39.6	2 800 *	70.0

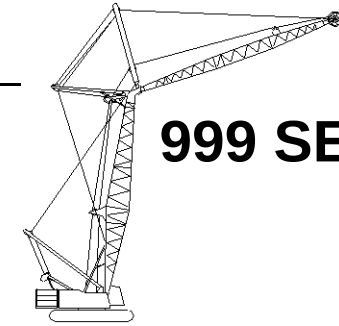
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	61.3	57.7	44 300 *b																			13.7
14.0	60.5	57.6	44 000 *b																			14.0
16.0	54.1	56.3	41 800 *b																			16.0
18.0	47.1	54.6	37 900	57.9	56.8	35 300 b																18.0
20.0	39.3	52.5	32 900	51.3	55.3	30 800 b	57.5	56.4	29 600 b													20.0
22.0	29.8	49.6	29 200	44.0	53.5	27 300	50.9	54.9	26 200 b	61.0	56.3	24 400 b										22.0
24.0	16.0	44.9	24 600	35.6	51.1	24 500	43.6	53.1	23 500	54.6	55.0	21 800 b										24.0
26.0				25.0	47.7	22 100	35.1	50.6	21 200	47.7	53.4	19 700										26.0
28.0							24.3	47.1	19 300	40.0	51.3	17 900	51.4	53.3	16 500 b							28.0
30.0										30.7	48.5	16 400	44.1	51.4	15 100							30.0
32.0										17.5	44.0	15 100	35.7	49.1	13 900	47.6	51.1	12 700				32.0
34.0													25.1	45.6	12 800	39.8	49.0	11 700				34.0
36.0																30.4	46.1	10 900	43.0	48.4	9 900	36.0
38.0																17.1	41.6	10 100	34.5	45.9	9 200	38.0
40.0																			23.3	42.2	8 500	40.0

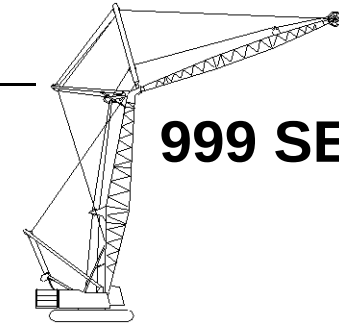
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	65.2	61.1	40 000 *b																			13.7
14.0	64.5	61.0	39 600 *b																			14.0
16.0	59.1	59.9	37 300 *b																			16.0
18.0	53.5	58.6	35 200 *	62.3	60.3	35 200 b																18.0
20.0	47.4	56.9	33 000	56.8	59.1	30 700 b	62.0	59.9	29 400 b													20.0
22.0	40.6	54.9	29 100	51.0	57.6	27 200	56.5	58.7	26 000 b													22.0
24.0	32.7	52.2	26 100	44.7	55.8	24 400	50.7	57.2	23 300	59.6	58.6	21 600 b										24.0
26.0	22.6	48.4	23 600	37.5	53.5	22 000	44.3	55.4	21 100	54.0	57.3	19 500										26.0
28.0				28.9	50.5	20 100	37.1	53.1	19 200	47.9	55.7	17 800										28.0
30.0				16.8	45.7	18 300	28.4	50.0	17 600	41.2	53.7	16 200	51.1	55.6	15 000							30.0
32.0							15.9	45.0	16 100	33.4	51.0	15 000	44.7	53.8	13 700							32.0
34.0										23.6	47.4	13 800	37.6	51.5	12 700	47.7	53.4	11 600				34.0
36.0													29.0	48.4	11 800	41.0	51.3	10 700				36.0
38.0													17.0	43.7	10 900	33.2	48.7	10 000				38.0
40.0																23.3	45.0	9 300				40.0
42.0																			36.5	48.3	8 400	42.0
44.0																			27.7	45.1	7 800	44.0
																			14.6	39.9	7 300	

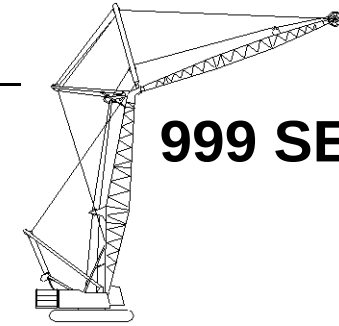
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	68.1	64.4	36 200 *b																			13.7
14.0	67.5	64.3	35 900 *b																			14.0
16.0	62.9	63.4	34 000 *b																			16.0
18.0	58.1	62.3	32 100 *	65.6	63.7	34 800 b																18.0
20.0	53.0	60.9	30 500 *	60.9	62.7	30 600	65.3	63.3	29 300 b													20.0
22.0	47.6	59.2	28 800	56.0	61.4	27 100	60.6	62.3	25 900 b													22.0
24.0	41.6	57.2	26 200	50.8	59.9	24 300	55.7	61.0	23 300													24.0
26.0	34.8	54.7	23 600	45.2	58.1	22 000	50.5	59.5	21 000	58.5	61.0	19 400										26.0
28.0	26.7	51.3	21 500	38.9	55.9	20 000	44.8	57.7	19 100	53.4	59.6	17 700										28.0
30.0	14.9	46.0	19 000	31.7	53.1	18 300	38.6	55.5	17 500	48.0	58.0	16 200										30.0
32.0				22.5	49.2	16 900	31.3	52.6	16 100	42.1	56.0	14 900	50.8	57.9	13 700							32.0
34.0							21.9	48.6	14 900	35.4	53.5	13 800	45.2	56.1	12 600							34.0
36.0										27.4	50.3	12 700	39.0	53.9	11 700	47.9	55.7	10 600				36.0
38.0										16.2	45.3	11 800	31.8	51.0	10 800	42.0	53.7	9 900				38.0
40.0													22.6	47.1	10 100	35.3	51.2	9 200	44.4	53.0	8 300	40.0
42.0																27.2	47.9	8 600	38.1	50.7	7 700	42.0
44.0																15.8	42.8	8 000	30.7	47.8	7 200	44.0
46.0																			21.1	43.7	6 700	46.0

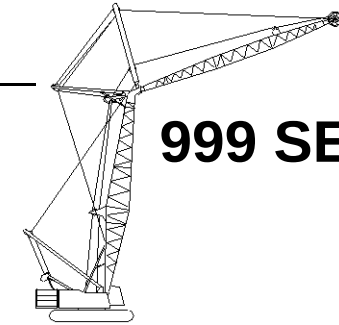
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

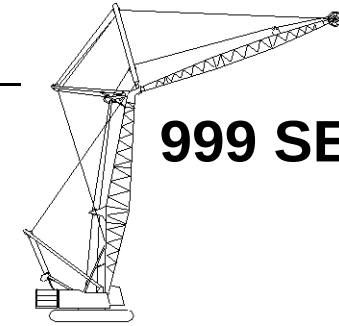
36.6m (120 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.4	67.7	33 900 *b																			13.7
14.0	69.8	67.6	33 600 *b																			14.0
16.0	65.8	66.8	31 600 *b																			16.0
18.0	61.6	65.8	29 900 *	68.2	67.0	33 200 *b																18.0
20.0	57.2	64.6	28 200 *	64.0	66.1	30 500																20.0
22.0	52.6	63.2	26 700 *	59.8	65.0	27 000	63.8	65.7	25 900													22.0
24.0	47.7	61.5	25 400 *	55.3	63.7	24 200	59.5	64.6	23 100													24.0
26.0	42.4	59.5	23 500	50.6	62.2	21 800	55.1	63.4	20 900	61.9	64.5	19 200										26.0
28.0	36.5	57.1	21 400	45.6	60.4	19 900	50.3	61.8	19 000	57.6	63.3	17 500										28.0
30.0	29.6	54.0	19 600	40.0	58.3	18 200	45.3	60.0	17 400	53.0	62.0	16 000										30.0
32.0	20.7	49.8	18 100	33.8	55.6	16 800	39.7	57.8	16 000	48.1	60.3	14 700	55.4	61.7	13 500							32.0
34.0				26.2	52.2	15 500	33.4	55.1	14 800	42.8	58.3	13 600	50.7	60.2	12 400							34.0
36.0				15.7	46.9	14 400	25.8	51.6	13 700	37.0	55.9	12 600	45.6	58.4	11 500							36.0
38.0							14.9	46.2	12 700	30.2	52.9	11 700	40.1	56.2	10 700	48.0	58.0	9 700				38.0
40.0										21.6	48.8	10 900	33.8	53.6	10 000	42.7	56.0	9 000				40.0
42.0													26.3	50.1	9 300	36.8	53.6	8 400	44.9	55.3	7 500	42.0
44.0													15.8	44.9	8 700	30.0	50.6	7 800	39.3	53.1	7 000	44.0
46.0																21.3	46.4	7 400	32.9	50.3	6 600	46.0
48.0																			25.1	46.7	6 100	48.0
50.0																			13.8	41.1	5 700	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.2	70.9	31 800 *b																			13.7
14.0	71.7	70.8	31 600 *b																			14.0
16.0	68.1	70.1	30 000 *b																			16.0
18.0	64.3	69.2	28 600 *																			18.0
20.0	60.5	68.2	27 200 *	66.6	69.4	29 800																20.0
22.0	56.5	66.9	25 800 *	62.8	68.5	27 100	66.4	69.1	25 800													22.0
24.0	52.3	65.5	24 400 *	58.9	67.4	24 200	62.6	68.1	23 100													24.0
26.0	47.8	63.8	23 300	54.8	66.1	21 900	58.6	67.0	20 900													26.0
28.0	43.0	61.9	21 400	50.5	64.5	19 900	54.5	65.7	19 000	60.8	66.9	17 500										28.0
30.0	37.7	59.5	19 600	45.9	62.8	18 200	50.2	64.1	17 400	56.8	65.7	16 000										30.0
32.0	31.7	56.6	18 100	40.9	60.6	16 800	45.6	62.3	16 000	52.6	64.3	14 700										32.0
34.0	24.5	52.9	16 700	35.4	58.1	15 500	40.6	60.2	14 800	48.2	62.6	13 600	54.8	64.0	12 400							34.0
36.0	14.1	47.2	14 900	29.0	54.9	14 400	35.0	57.6	13 700	43.4	60.7	12 600	50.5	62.5	11 500							36.0
38.0				20.8	50.6	13 400	28.6	54.4	12 800	38.2	58.3	11 700	45.9	60.7	10 700							38.0
40.0							20.3	50.0	11 900	32.3	55.5	10 900	41.0	58.6	10 000	48.1	60.3	9 000				40.0
42.0										25.2	51.9	10 200	35.4	56.0	9 300	43.3	58.3	8 400				42.0
44.0										15.3	46.4	9 600	29.0	52.9	8 700	38.1	56.0	7 800				44.0
46.0													20.9	48.6	8 200	32.1	53.1	7 400	40.2	55.5	6 600	46.0
48.0																25.0	49.5	6 900	34.6	52.8	6 200	48.0
50.0																14.9	44.0	6 500	28.0	49.6	5 800	50.0
52.0																			19.6	45.0	5 400	52.0

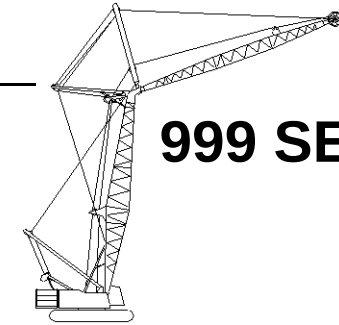
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

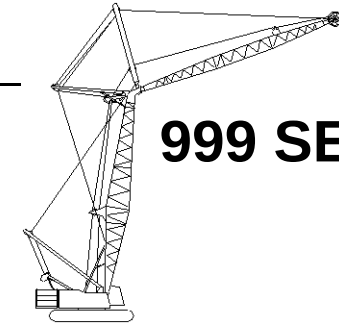
36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.8	74.1	26 200 *b																			13.7
14.0	73.3	74.0	26 100 *b																			14.0
16.0	70.0	73.4	25 400 *b																			16.0
18.0	66.6	72.6	24 400 *																			18.0
20.0	63.2	71.6	23 100 *	68.6	72.7	25 300 *																20.0
22.0	59.6	70.5	21 900 *	65.2	71.9	24 100 *																22.0
24.0	55.9	69.3	20 800 *	61.7	70.9	22 900 *	65.0	71.5	22 900													24.0
26.0	52.0	67.8	19 700 *	58.1	69.7	21 700	61.5	70.5	20 700													26.0
28.0	47.9	66.1	18 800 *	54.3	68.4	19 800	57.9	69.3	18 800													28.0
30.0	43.5	64.2	17 900 *	50.4	66.8	18 100	54.1	68.0	17 200	59.9	69.3	15 800										30.0
32.0	38.8	61.9	17 100 *	46.2	65.1	16 600	50.1	66.4	15 900	56.2	68.0	14 600										32.0
34.0	33.5	59.2	16 300	41.6	63.0	15 400	45.9	64.6	14 700	52.3	66.6	13 400										34.0
36.0	27.3	55.7	15 500	36.7	60.5	14 300	41.4	62.5	13 600	48.3	64.9	12 400	54.3	66.3	11 300							36.0
38.0	19.3	51.1	14 400	31.0	57.5	13 300	36.4	60.1	12 700	43.9	63.0	11 600	50.4	64.8	10 500							38.0
40.0				24.3	53.7	12 400	30.7	57.0	11 800	39.2	60.7	10 800	46.2	63.0	9 800	52.2	64.2	8 800				40.0
42.0				15.0	48.1	11 600	23.9	53.2	11 100	33.9	58.0	10 100	41.7	60.9	9 200	48.2	62.6	8 200				42.0
44.0							14.3	47.4	10 400	27.8	54.7	9 400	36.7	58.5	8 600	43.8	60.6	7 700				44.0
46.0										20.1	50.2	8 900	31.1	55.5	8 000	39.1	58.4	7 200	45.6	59.9	6 400	46.0
48.0													24.4	51.7	7 500	33.8	55.7	6 800	41.0	57.8	6 000	48.0
50.0													15.0	46.1	7 100	27.7	52.3	6 300	36.0	55.3	5 600	50.0
52.0																19.9	47.8	5 900	30.3	52.2	5 300	52.0
54.0																			23.3	48.3	4 900	54.0
56.0																			13.3	42.2	4 600	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.0	77.3	24 500 *b																			13.7
14.0	74.6	77.2	24 400 *b																			14.0
16.0	71.6	76.6	23 700 *																			16.0
18.0	68.5	75.9	22 500 *																			18.0
20.0	65.4	75.0	21 400 *	70.3	76.0	23 300 *																20.0
22.0	62.1	74.0	20 300 *	67.2	75.2	22 300 *																22.0
24.0	58.8	72.9	19 300 *	64.1	74.3	21 200 *																24.0
26.0	55.4	71.6	18 300 *	60.8	73.3	20 100 *	63.9	73.9	20 600													26.0
28.0	51.8	70.1	17 400 *	57.4	72.1	19 100 *	60.6	72.9	18 700													28.0
30.0	48.0	68.4	16 600 *	53.9	70.7	18 000	57.2	71.7	17 100													30.0
32.0	44.0	66.5	15 800 *	50.2	69.1	16 600	53.7	70.3	15 700	59.1	71.6	14 400										32.0
34.0	39.6	64.3	15 000 *	46.4	67.4	15 300	50.0	68.7	14 600	55.7	70.3	13 300										34.0
36.0	34.9	61.6	14 400 *	42.2	65.3	14 200	46.2	66.9	13 500	52.1	68.9	12 300										36.0
38.0	29.4	58.5	13 800 *	37.7	62.9	13 200	42.0	64.9	12 600	48.3	67.2	11 500	53.9	68.6	10 400							38.0
40.0	22.9	54.4	13 200	32.7	60.1	12 400	37.5	62.5	11 700	44.3	65.3	10 700	50.3	67.1	9 700							40.0
42.0	13.6	48.3	12 100	26.9	56.6	11 500	32.4	59.6	11 000	40.0	63.1	10 000	46.4	65.3	9 000							42.0
44.0				19.6	51.9	10 800	26.5	56.1	10 300	35.3	60.5	9 400	42.3	63.2	8 400	48.2	64.9	7 600				44.0
46.0							19.1	51.3	9 700	29.9	57.4	8 800	37.8	60.9	7 900	44.2	63.0	7 100				46.0
48.0										23.5	53.4	8 200	32.8	58.0	7 400	39.9	60.7	6 600	45.9	62.2	5 900	48.0
50.0										14.6	47.6	7 800	26.9	54.6	7 000	35.2	58.1	6 200	41.7	60.1	5 500	50.0
52.0													19.6	49.9	6 600	29.8	55.0	5 900	37.1	57.7	5 100	52.0
54.0																23.3	51.0	5 500	32.0	54.8	4 800	54.0
56.0																14.3	45.1	5 100	26.1	51.2	4 500	56.0
58.0																			18.4	46.3	4 200	58.0

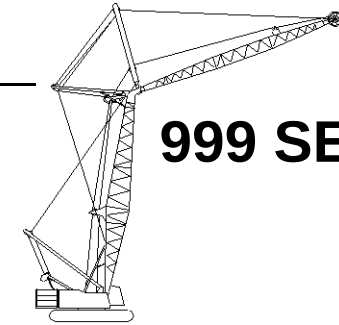
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

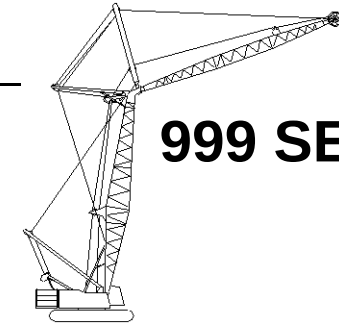
36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.0	80.0	22 300 *																			15.2
16.0	72.9	79.8	21 900 *																			16.0
18.0	70.1	79.1	20 800 *																			18.0
20.0	67.2	78.3	19 700 *																			20.0
22.0	64.3	77.4	18 700 *	68.9	78.5	20 500 *																22.0
24.0	61.3	76.4	17 700 *	66.0	77.7	19 400 *																24.0
26.0	58.2	75.2	16 800 *	63.1	76.7	18 500 *	65.9	77.3	19 300 *													26.0
28.0	54.9	73.9	15 900 *	60.0	75.6	17 500 *	62.9	76.3	18 400 *													28.0
30.0	51.6	72.4	15 100 *	56.8	74.4	16 600 *	59.8	75.3	17 000 *													30.0
32.0	48.1	70.7	14 300 *	53.6	73.0	15 700 *	56.7	74.0	15 600 *	61.5	75.1	14 200 *										32.0
34.0	44.3	68.8	13 500 *	50.2	71.4	14 900 *	53.4	72.6	14 400 *	58.4	74.0	13 100 *										34.0
36.0	40.4	66.6	12 800 *	46.6	69.7	14 100 *	50.0	71.0	13 300 *	55.2	72.7	12 200 *										36.0
38.0	36.0	64.1	12 200 *	42.7	67.6	13 100 *	46.4	69.2	12 400 *	51.9	71.2	11 300 *										38.0
40.0	31.2	61.1	11 600 *	38.6	65.3	12 200 *	42.5	67.2	11 600 *	48.4	69.5	10 600 *	53.6	70.9	9 500 *							40.0
42.0	25.5	57.4	11 100 *	34.1	62.6	11 400 *	38.4	64.9	10 800 *	44.7	67.6	9 900 *	50.2	69.4	8 900 *							42.0
44.0	18.3	52.4	10 600 *	29.0	59.3	10 700 *	33.8	62.1	10 200 *	40.7	65.4	9 200 *	46.6	67.6	8 300 *							44.0
46.0				22.8	55.2	10 100 *	28.6	58.8	9 500 *	36.4	62.9	8 600 *	42.8	65.6	7 800 *	48.3	67.2	6 900 *				46.0
48.0				14.4	49.3	9 500 *	22.4	54.6	8 900 *	31.6	60.0	8 100 *	38.7	63.3	7 300 *	44.6	65.3	6 500 *				48.0
50.0							13.7	48.5	8 400 *	26.0	56.3	7 600 *	34.1	60.5	6 900 *	40.6	63.1	6 100 *				50.0
52.0										19.0	51.5	7 200 *	29.0	57.3	6 400 *	36.3	60.6	5 700 *	42.2	62.5	5 000 *	52.0
54.0													22.9	53.2	6 000 *	31.5	57.6	5 300 *	38.1	60.1	4 700 *	54.0
56.0													14.5	47.2	5 700 *	25.9	53.9	5 000 *	33.5	57.3	4 400 *	56.0
58.0																18.8	49.1	4 700 *	28.2	54.0	4 100 *	58.0
60.0																			21.9	49.7	3 800 *	60.0
62.0																			12.9	43.3	3 600 *	62.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.1	83.2	20 700 *																			15.2
16.0	74.1	83.0	20 300 *																			16.0
18.0	71.5	82.3	19 200 *																			18.0
20.0	68.8	81.6	18 300 *																			20.0
22.0	66.1	80.8	17 300 *																			22.0
24.0	63.3	79.8	16 400 *	67.7	81.0	18 000 *																24.0
26.0	60.5	78.8	15 500 *	65.0	80.1	17 000 *	67.6	80.6	17 800 *													26.0
28.0	57.6	77.6	14 600 *	62.2	79.1	16 100 *	64.8	79.7	16 900 *													28.0
30.0	54.6	76.2	13 800 *	59.3	78.0	15 200 *	62.0	78.7	16 100 *													30.0
32.0	51.4	74.7	13 000 *	56.3	76.7	14 400 *	59.1	77.6	15 200 *													32.0
34.0	48.1	73.0	12 300 *	53.3	75.3	13 600 *	56.2	76.3	14 400	60.7	77.5	13 100										34.0
36.0	44.7	71.1	11 600 *	50.1	73.7	12 900 *	53.1	74.9	13 300	57.8	76.3	12 100										36.0
38.0	41.0	69.0	11 000 *	46.7	72.0	12 200 *	49.9	73.3	12 400	54.8	75.0	11 300										38.0
40.0	37.0	66.5	10 400 *	43.2	70.0	11 500 *	46.5	71.5	11 500	51.7	73.5	10 500	56.4	74.7	9 500							40.0
42.0	32.6	63.6	9 800 *	39.4	67.7	10 900 *	43.0	69.5	10 800	48.4	71.8	9 800	53.3	73.3	8 800							42.0
44.0	27.6	60.2	9 300 *	35.2	65.1	10 300 *	39.2	67.2	10 100	45.0	69.9	9 200	50.1	71.7	8 300							44.0
46.0	21.6	55.8	8 900 *	30.6	62.0	9 800 *	35.0	64.6	9 500	41.3	67.8	8 600	46.8	69.9	7 700	51.6	71.2	6 900				46.0
48.0	13.2	49.4	8 500 *	25.3	58.2	9 200 *	30.4	61.5	8 900	37.3	65.3	8 100	43.2	67.9	7 300	48.3	69.5	6 400				48.0
50.0				18.6	53.2	8 800 *	25.0	57.7	8 400	33.0	62.5	7 600	39.4	65.6	6 800	44.9	67.6	6 000				50.0
52.0							18.1	52.6	7 900	28.1	59.1	7 200	35.3	63.0	6 400	41.2	65.4	5 600	46.3	66.8	4 900	52.0
54.0										22.1	54.8	6 800	30.7	59.9	6 000	37.2	63.0	5 300	42.7	64.8	4 600	54.0
56.0										14.1	48.7	6 400	25.3	56.2	5 700	32.9	60.1	5 000	38.9	62.5	4 300	56.0
58.0													18.6	51.2	5 300	27.9	56.7	4 700	34.7	59.8	4 100	58.0
60.0																22.0	52.4	4 400	30.0	56.7	3 800	60.0
62.0																13.8	46.2	4 100	24.5	52.8	3 500	62.0
64.0																			17.5	47.6	3 300	64.0

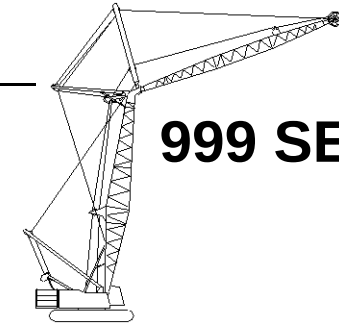
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

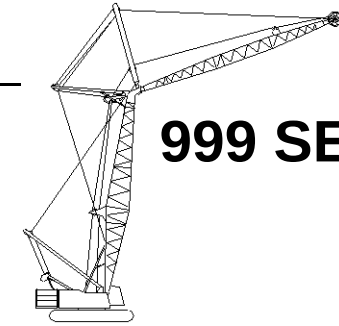
36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.2	85.9	18 300 *																			16.8
18.0	72.7	85.5	17 700 *																			18.0
20.0	70.2	84.9	16 700 *																			20.0
22.0	67.7	84.1	15 800 *																			22.0
24.0	65.1	83.2	14 900 *	69.2	84.3	16 400 *																24.0
26.0	62.5	82.2	14 100 *	66.6	83.4	15 500 *																26.0
28.0	59.8	81.1	13 200 *	64.1	82.5	14 700 *	66.5	83.1	15 400 *													28.0
30.0	57.1	79.9	12 400 *	61.4	81.5	13 800 *	63.9	82.2	14 600 *													30.0
32.0	54.2	78.6	11 700 *	58.7	80.3	13 000 *	61.3	81.1	13 800 *													32.0
34.0	51.3	77.0	11 000 *	55.9	79.1	12 300 *	58.5	80.0	13 000 *													34.0
36.0	48.2	75.3	10 300 *	53.0	77.6	11 500 *	55.7	78.7	12 200 *	60.1	79.9	12 000										36.0
38.0	45.0	73.4	9 700 *	50.0	76.0	10 800 *	52.9	77.2	11 500 *	57.3	78.7	11 100										38.0
40.0	41.5	71.3	9 100 *	46.9	74.3	10 200 *	49.8	75.6	10 800 *	54.5	77.3	10 300										40.0
42.0	37.8	68.9	8 600 *	43.6	72.3	9 600 *	46.7	73.8	10 200 *	51.5	75.8	9 600	55.9	77.0	8 700							42.0
44.0	33.8	66.1	8 000 *	40.0	70.1	9 000 *	43.4	71.9	9 600 *	48.4	74.1	9 000	53.0	75.6	8 100							44.0
46.0	29.3	62.9	7 600 *	36.2	67.5	8 400 *	39.8	69.6	9 000 *	45.2	72.2	8 400	50.0	74.0	7 500							46.0
48.0	24.1	58.9	7 100 *	32.0	64.6	7 900 *	36.0	67.0	8 500 *	41.8	70.1	8 000	46.9	72.2	7 100	51.4	73.5	6 300				48.0
50.0	17.5	53.6	6 800 *	27.3	61.0	7 500 *	31.8	64.1	8 000 *	38.2	67.7	7 500	43.6	70.2	6 600	48.4	71.8	5 900				50.0
52.0				21.6	56.6	7 000 *	27.0	60.5	7 500 *	34.2	65.0	7 000	40.1	68.0	6 300	45.1	69.9	5 500				52.0
54.0				13.9	50.4	6 700 *	21.3	56.0	7 100 *	29.7	61.8	6 600	36.3	65.4	5 900	41.7	67.8	5 100	46.5	69.1	4 400	54.0
56.0							13.4	49.6	6 700 *	24.6	57.9	6 200	32.1	62.5	5 500	38.1	65.4	4 800	43.1	67.1	4 100	56.0
58.0										18.1	52.8	5 900	27.3	59.0	5 200	34.1	62.6	4 500	39.6	64.9	3 900	58.0
60.0													21.7	54.6	4 900	29.6	59.4	4 300	35.7	62.3	3 600	60.0
62.0													14.0	48.4	4 600	24.4	55.5	4 000	31.5	59.3	3 400	62.0
64.0																17.9	50.3	3 800	26.6	55.7	3 200	64.0
66.0																			20.8	51.1	2 900	66.0
68.0																			12.6	44.4	2 700	68.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.2	89.1	16 900 *																			16.8
18.0	73.7	88.7	16 300 *																			18.0
20.0	71.4	88.1	15 500 *																			20.0
22.0	69.1	87.4	14 600 *																			22.0
24.0	66.7	86.6	13 700 *																			24.0
26.0	64.2	85.7	12 900 *	68.1	86.8	14 300 *																26.0
28.0	61.8	84.6	12 100 *	65.7	85.9	13 500 *																28.0
30.0	59.2	83.5	11 400 *	63.2	84.9	12 700 *	65.5	85.5	13 400 *													30.0
32.0	56.6	82.3	10 700 *	60.7	83.9	11 900 *	63.1	84.6	12 600 *													32.0
34.0	53.9	80.9	10 000 *	58.2	82.7	11 200 *	60.6	83.5	11 900 *													34.0
36.0	51.1	79.3	9 300 *	55.5	81.4	10 500 *	58.0	82.3	11 200 *													36.0
38.0	48.2	77.6	8 700 *	52.8	79.9	9 800 *	55.4	81.0	10 500 *	59.4	82.2	11 000										38.0
40.0	45.2	75.8	8 100 *	50.0	78.3	9 200 *	52.6	79.5	9 800 *	56.8	81.0	10 200										40.0
42.0	42.0	73.7	7 600 *	47.0	76.6	8 600 *	49.8	77.9	9 200 *	54.1	79.6	9 600										42.0
44.0	38.6	71.3	7 100 *	43.9	74.6	8 000 *	46.8	76.2	8 600 *	51.4	78.1	8 900	55.5	79.3	7 900							44.0
46.0	34.9	68.6	6 600 *	40.6	72.4	7 500 *	43.7	74.2	8 000 *	48.5	76.4	8 400	52.8	77.9	7 500							46.0
48.0	30.8	65.5	6 200 *	37.1	69.9	7 000 *	40.4	72.0	7 500 *	45.5	74.5	7 800	50.0	76.3	7 000							48.0
50.0	26.1	61.8	5 800 *	33.2	67.1	6 500 *	36.9	69.5	7 000 *	42.3	72.5	7 400	47.0	74.5	6 500	51.3	75.8	5 700				50.0
52.0	20.6	57.2	5 300 *	29.0	63.8	6 100 *	33.0	66.6	6 500 *	38.9	70.1	6 900	43.9	72.5	6 100	48.4	74.1	5 400				52.0
54.0	12.9	50.5	4 800 *	24.0	59.8	5 600 *	28.7	63.2	6 100 *	35.2	67.5	6 500	40.6	70.3	5 800	45.4	72.2	5 000				54.0
56.0				17.8	54.5	5 100 *	23.7	59.2	5 600 *	31.1	64.4	6 100	37.1	67.9	5 400	42.2	70.1	4 700				56.0
58.0							17.4	53.8	5 100 *	26.6	60.8	5 800	33.3	65.0	5 100	38.8	67.8	4 400	43.5	69.5	3 700	58.0
60.0										21.1	56.3	5 400 *	29.0	61.7	4 800	35.1	65.1	4 100	40.2	67.2	3 500	60.0
62.0										13.7	49.9	4 900 *	24.0	57.7	4 500	31.0	62.0	3 900	36.6	64.7	3 300	62.0
64.0													17.8	52.5	4 300	26.4	58.4	3 700	32.7	61.8	3 100	64.0
66.0																20.9	53.8	3 400	28.4	58.4	2 900	66.0
68.0																13.4	47.4	3 200	23.3	54.3	2 700	68.0
70.0																			16.8	48.8	2 500	70.0

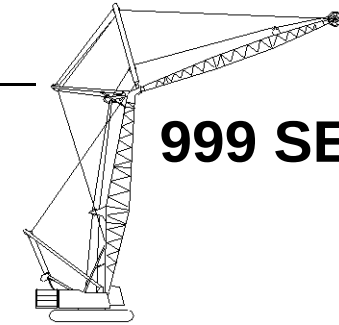
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

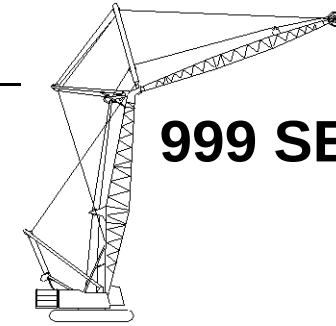
39.6m (130 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	61.7	60.8	44 500 *b																			13.7
14.0	60.8	60.7	44 100 *b																			14.0
16.0	54.4	59.4	41 700 *b																			16.0
18.0	47.5	57.8	37 800	59.1	60.0	35 100 b																18.0
20.0	39.7	55.7	32 900	52.6	58.6	30 600 b	59.2	59.7	29 200 b													20.0
22.0	30.4	52.8	29 200	45.5	56.9	27 100	52.7	58.3	25 900 b													22.0
24.0	17.0	48.3	25 100	37.3	54.6	24 300	45.6	56.6	23 200	57.2	58.5	21 400 b										24.0
26.0				27.3	51.5	22 000	37.5	54.4	21 000	50.5	57.0	19 300 b										26.0
28.0							27.5	51.2	19 100	43.2	55.2	17 500	54.9	56.9	16 100 b							28.0
30.0										34.6	52.7	16 100	48.0	55.3	14 700							30.0
32.0										23.6	49.1	14 800	40.3	53.3	13 500	52.1	54.9	12 200 b				32.0
34.0													31.0	50.5	12 500	44.9	53.1	11 300				34.0
36.0													18.1	46.1	11 500	36.7	50.8	10 400				36.0
38.0																26.4	47.6	9 700	41.1	50.5	8 700	38.0
40.0																			32.1	47.8	8 100	40.0
42.0																			19.8	43.7	7 500	42.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	65.5	64.2	39 900 *b																			13.7
14.0	64.7	64.1	39 500 *b																			14.0
16.0	59.4	63.0	37 300 *b																			16.0
18.0	53.8	61.7	35 300 *	63.3	63.5	34 900 b																18.0
20.0	47.7	60.1	32 900	57.9	62.4	30 500 b	63.4	63.2	29 100 b													20.0
22.0	41.0	58.0	29 100	52.1	61.0	27 000	58.0	62.0	25 700 b													22.0
24.0	33.2	55.4	26 100	45.9	59.2	24 200	52.3	60.6	23 100													24.0
26.0	23.2	51.7	23 600	38.9	57.0	21 900	46.1	58.9	20 900	56.2	60.8	19 100										26.0
28.0				30.7	54.2	19 900	39.1	56.7	19 000	50.4	59.3	17 400										28.0
30.0				19.6	49.9	18 200	30.9	53.9	17 400	43.9	57.5	15 900	54.2	59.2	14 500							30.0
32.0							20.0	49.7	16 000	36.7	55.1	14 600	48.1	57.6	13 300							32.0
34.0										27.9	51.9	13 500	41.4	55.6	12 300							34.0
36.0										15.0	46.8	12 500	33.7	53.0	11 400	45.4	55.5	10 300				36.0
38.0													24.0	49.4	10 600	38.4	53.2	9 500				38.0
40.0																30.0	50.3	8 900	42.2	52.8	7 900	40.0
42.0																18.6	45.9	8 200	34.6	50.3	7 400	42.0
44.0																			25.2	46.8	6 900	44.0

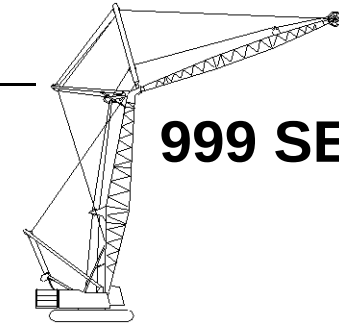
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

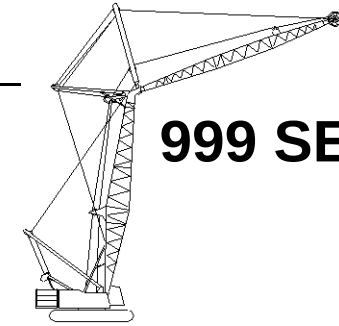
39.6m (130 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	68.3	67.5	36 100 *b																			13.7
14.0	67.7	67.4	35 900 *b																			14.0
16.0	63.1	66.5	33 900 *b																			16.0
18.0	58.3	65.4	32 100 *	66.4	66.8	34 600 b																18.0
20.0	53.3	64.0	30 500 *	61.8	65.9	30 400 b	66.5	66.5	29 000 b													20.0
22.0	47.9	62.4	28 800	56.9	64.7	26 900	61.9	65.6	25 600 b													22.0
24.0	41.9	60.4	26 100	51.8	63.3	24 100	57.1	64.4	23 000													24.0
26.0	35.2	57.9	23 600	46.3	61.5	21 800	51.9	63.0	20 800	60.4	64.4	19 000										26.0
28.0	27.2	54.6	21 500	40.2	59.4	19 900	46.4	61.2	18 900	55.4	63.1	17 300										28.0
30.0	15.7	49.5	19 300	33.2	56.7	18 200	40.3	59.1	17 300	50.2	61.6	15 800										30.0
32.0				24.5	53.1	16 700	33.3	56.4	15 900	44.5	59.8	14 600	53.6	61.5	13 200							32.0
34.0							24.7	52.8	14 700	38.2	57.5	13 400	48.2	59.9	12 200							34.0
36.0										30.8	54.6	12 500	42.3	57.9	11 300							36.0
38.0										21.3	50.5	11 600	35.7	55.5	10 500	45.8	57.8	9 400				38.0
40.0													27.7	52.2	9 800	39.7	55.6	8 800				40.0
42.0													16.7	47.3	9 100	32.6	52.9	8 200	43.0	55.1	7 300	42.0
44.0																23.8	49.1	7 600	36.4	52.7	6 800	44.0
46.0																			28.7	49.6	6 300	46.0
48.0																			18.1	45.0	5 900	48.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.6	70.8	33 700 *b																			13.7
14.0	70.0	70.7	33 500 *b																			14.0
16.0	66.0	69.9	31 600 *b																			16.0
18.0	61.8	68.9	29 800 *																			18.0
20.0	57.4	67.7	28 200 *	64.8	69.3	30 300																20.0
22.0	52.8	66.3	26 700 *	60.6	68.3	26 800	64.9	69.0	25 500 b													22.0
24.0	48.0	64.7	25 400 *	56.2	67.0	24 000	60.7	67.9	22 800													24.0
26.0	42.7	62.7	23 500	51.5	65.6	21 700	56.3	66.7	20 600													26.0
28.0	36.8	60.3	21 400	46.5	63.8	19 700	51.6	65.3	18 800	59.3	66.8	17 200										28.0
30.0	30.0	57.3	19 600	41.1	61.7	18 100	46.7	63.5	17 200	54.8	65.5	15 700										30.0
32.0	21.2	53.1	18 000	35.0	59.2	16 600	41.2	61.5	15 800	50.1	63.9	14 400	57.7	65.2	13 000							32.0
34.0				27.8	55.9	15 400	35.2	58.9	14 600	45.0	62.1	13 300	53.2	63.8	12 000							34.0
36.0				18.1	51.2	14 300	28.0	55.7	13 500	39.4	59.9	12 300	48.3	62.2	11 100							36.0
38.0							18.4	51.0	12 600	33.0	57.2	11 500	43.0	60.3	10 300							38.0
40.0										25.3	53.6	10 700	37.2	57.9	9 600	46.2	60.1	8 600				40.0
42.0										14.1	48.0	9 900	30.4	54.9	9 000	40.7	58.0	8 000				42.0
44.0													21.9	50.8	8 400	34.5	55.4	7 500	43.6	57.5	6 600	44.0
46.0																27.2	52.0	7 000	37.8	55.1	6 200	46.0
48.0																17.3	47.1	6 500	31.2	52.2	5 800	48.0
50.0																			22.9	48.3	5 400	50.0

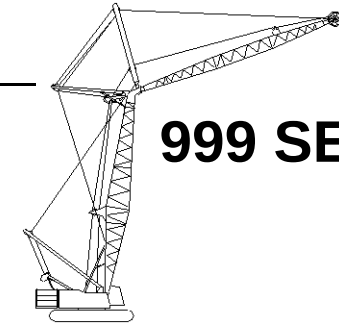
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

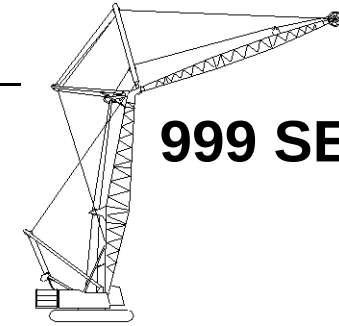
39.6m (130 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.4	74.0	31 600 *b																			13.7
14.0	71.9	73.9	31 400 *b																			14.0
16.0	68.3	73.2	29 900 *b																			16.0
18.0	64.6	72.3	28 500 *																			18.0
20.0	60.7	71.3	27 100 *	67.2	72.6	29 800																20.0
22.0	56.7	70.1	25 800 *	63.5	71.7	26 800																22.0
24.0	52.5	68.6	24 500 *	59.6	70.6	24 000	63.6	71.4	22 800													24.0
26.0	48.1	67.0	23 300	55.5	69.4	21 700	59.7	70.3	20 600													26.0
28.0	43.3	65.0	21 400	51.3	67.9	19 700	55.6	69.0	18 700													28.0
30.0	38.0	62.7	19 600	46.8	66.1	18 100	51.4	67.6	17 200	58.4	69.1	15 700										30.0
32.0	32.1	59.8	18 100	41.9	64.1	16 600	46.9	65.8	15 800	54.3	67.8	14 400										32.0
34.0	24.9	56.2	16 700	36.5	61.6	15 400	42.0	63.8	14 600	50.0	66.2	13 300	57.0	67.6	12 000							34.0
36.0	14.9	50.6	15 200	30.2	58.6	14 300	36.6	61.3	13 500	45.4	64.4	12 300	52.8	66.2	11 100							36.0
38.0				22.5	54.6	13 300	30.4	58.3	12 600	40.3	62.3	11 500	48.4	64.5	10 300							38.0
40.0							22.7	54.3	11 800	34.7	59.7	10 700	43.6	62.6	9 600	51.0	64.1	8 600				40.0
42.0										28.2	56.4	10 000	38.4	60.3	9 000	46.4	62.4	8 000				42.0
44.0										19.7	51.9	9 400	32.5	57.5	8 400	41.5	60.3	7 500				44.0
46.0													25.4	53.9	7 900	36.0	57.8	7 000	44.1	59.8	6 200	46.0
48.0													15.7	48.5	7 400	29.8	54.7	6 500	39.0	57.5	5 800	48.0
50.0																21.9	50.6	6 100	33.2	54.8	5 400	50.0
52.0																			26.3	51.3	5 000	52.0
54.0																			17.0	46.2	4 700	54.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.9	77.2	25 900 *b																			13.7
14.0	73.5	77.1	25 800 *b																			14.0
16.0	70.2	76.4	25 100 *b																			16.0
18.0	66.8	75.7	24 300 *																			18.0
20.0	63.3	74.7	23 100 *	69.2	75.9	25 300 *																20.0
22.0	59.8	73.6	21 900 *	65.8	75.1	24 200 *																22.0
24.0	56.1	72.4	20 800 *	62.4	74.1	23 000 *	65.9	74.8	22 700													24.0
26.0	52.2	70.9	19 800 *	58.8	73.0	21 500	62.4	73.8	20 500													26.0
28.0	48.1	69.3	18 800 *	55.0	71.7	19 600	58.9	72.7	18 600													28.0
30.0	43.8	67.3	17 900 *	51.1	70.2	18 000	55.1	71.4	17 000													30.0
32.0	39.0	65.1	17 100 *	47.0	68.4	16 500	51.2	69.9	15 600	57.7	71.5	14 200										32.0
34.0	33.8	62.4	16 400	42.5	66.4	15 300	47.1	68.1	14 500	53.9	70.1	13 100										34.0
36.0	27.6	59.0	15 500	37.6	64.0	14 200	42.6	66.1	13 400	49.9	68.5	12 200										36.0
38.0	19.8	54.4	14 400	32.2	61.2	13 200	37.8	63.8	12 500	45.7	66.7	11 300	52.5	68.5	10 100							38.0
40.0				25.7	57.5	12 300	32.3	60.9	11 600	41.1	64.6	10 600	48.4	66.8	9 400							40.0
42.0				17.1	52.4	11 500	25.8	57.3	10 900	36.1	62.1	9 900	44.1	64.9	8 800	50.8	66.4	7 800				42.0
44.0							17.3	52.2	10 200	30.4	59.0	9 200	39.4	62.7	8 300	46.6	64.7	7 300				44.0
46.0										23.4	55.1	8 700	34.1	60.0	7 700	42.2	62.6	6 800				46.0
48.0										13.5	49.1	8 100	28.1	56.7	7 300	37.3	60.2	6 400	44.5	62.1	5 600	48.0
50.0													20.4	52.2	6 800	31.7	57.3	6 000	39.9	59.9	5 200	50.0
52.0																25.1	53.6	5 600	34.7	57.3	4 900	52.0
54.0																16.3	48.3	5 300	28.7	54.0	4 600	54.0
56.0																			21.3	49.7	4 300	56.0

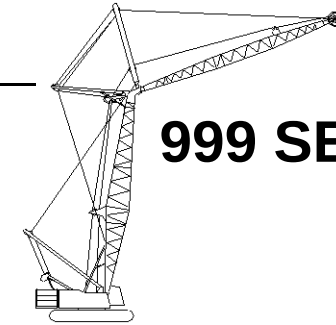
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

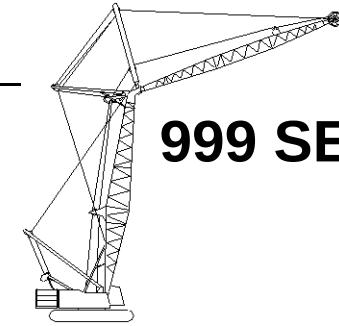
39.6m (130 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	80.3	24 200 * ^b																			13.7
14.0	74.8	80.3	24 100 * ^b																			14.0
16.0	71.8	79.7	23 500 *																			16.0
18.0	68.7	78.9	22 500 *																			18.0
20.0	65.5	78.1	21 400 *																			20.0
22.0	62.3	77.1	20 300 *	67.8	78.4	22 400 *																22.0
24.0	59.0	76.0	19 300 *	64.6	77.5	21 300 *																24.0
26.0	55.6	74.7	18 400 *	61.4	76.5	20 300 *	64.7	77.2	20 300													26.0
28.0	52.0	73.2	17 400 *	58.1	75.3	19 200	61.5	76.2	18 500													28.0
30.0	48.2	71.6	16 600 *	54.6	74.0	17 900	58.1	75.0	16 900													30.0
32.0	44.2	69.7	15 800 *	50.9	72.5	16 400	54.7	73.7	15 600	60.4	75.0	14 100										32.0
34.0	39.9	67.4	15 100 *	47.1	70.7	15 200	51.0	72.2	14 300	57.0	73.8	13 000										34.0
36.0	35.1	64.8	14 400 *	43.0	68.7	14 100	47.2	70.4	13 300	53.5	72.4	12 000										36.0
38.0	29.7	61.7	13 800 *	38.6	66.4	13 100	43.1	68.4	12 400	49.8	70.8	11 200										38.0
40.0	23.2	57.7	13 300	33.7	63.7	12 200	38.7	66.1	11 500	45.9	69.0	10 400	52.2	70.8	9 400							40.0
42.0	14.2	51.8	12 300	28.1	60.3	11 500	33.8	63.4	10 800	41.8	66.9	9 700	48.5	69.1	8 700							42.0
44.0				21.1	56.0	10 700	28.2	60.1	10 100	37.2	64.5	9 100	44.5	67.2	8 200							44.0
46.0							21.3	55.7	9 500	32.1	61.6	8 600	40.2	65.0	7 600	46.8	67.0	6 700				46.0
48.0										26.2	58.0	8 000	35.4	62.4	7 200	42.7	65.0	6 300				48.0
50.0										18.6	53.2	7 500	30.1	59.3	6 700	38.3	62.6	5 900	44.9	64.4	5 100	50.0
52.0													23.7	55.4	6 300	33.3	59.8	5 500	40.6	62.2	4 800	52.0
54.0													15.0	49.7	5 900	27.6	56.5	5 200	36.0	59.7	4 400	54.0
56.0																20.5	52.0	4 900	30.7	56.7	4 200	56.0
58.0																			24.5	52.8	3 900	58.0
60.0																			16.1	47.4	3 600	60.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.2	83.1	22 100 *																			15.2
16.0	73.1	82.9	21 800 *																			16.0
18.0	70.3	82.2	20 700 *																			18.0
20.0	67.4	81.4	19 700 *																			20.0
22.0	64.4	80.5	18 700 *	69.5	81.7	20 500 *																22.0
24.0	61.4	79.5	17 700 *	66.6	80.9	19 600 *																24.0
26.0	58.3	78.4	16 800 *	63.6	79.9	18 600 *	66.6	80.5	19 500													26.0
28.0	55.1	77.0	15 900 *	60.6	78.9	17 700 *	63.7	79.6	18 400													28.0
30.0	51.8	75.6	15 100 *	57.4	77.7	16 800 *	60.6	78.6	16 800													30.0
32.0	48.3	73.9	14 300 *	54.2	76.3	15 900 *	57.5	77.4	15 400	62.7	78.5	13 900										32.0
34.0	44.6	72.0	13 600 *	50.8	74.8	15 000	54.3	76.0	14 200	59.7	77.4	12 900										34.0
36.0	40.6	69.8	12 900 *	47.2	73.0	14 000	50.9	74.5	13 200	56.5	76.1	11 900										36.0
38.0	36.3	67.3	12 300 *	43.5	71.1	13 000	47.3	72.7	12 200	53.2	74.7	11 100										38.0
40.0	31.4	64.3	11 600 *	39.4	68.8	12 100	43.6	70.8	11 400	49.8	73.1	10 300	55.3	74.6	9 200							40.0
42.0	25.8	60.6	11 100 *	35.0	66.2	11 300	39.5	68.5	10 700	46.2	71.3	9 600	52.0	73.1	8 500							42.0
44.0	18.7	55.8	10 700 *	30.0	63.0	10 600	35.1	65.9	10 000	42.3	69.3	9 000	48.5	71.4	8 000							44.0
46.0				24.1	59.1	10 000	30.1	62.8	9 400	38.1	66.9	8 400	44.8	69.5	7 500	50.6	71.0	6 500				46.0
48.0				16.3	53.6	9 400	24.2	58.9	8 800	33.6	64.1	7 900	40.8	67.4	7 000	47.0	69.3	6 100				48.0
50.0							16.5	53.5	8 300	28.3	60.8	7 400	36.6	64.9	6 600	43.2	67.3	5 700				50.0
52.0										22.0	56.6	7 000	31.8	61.9	6 200	39.1	65.0	5 400	45.2	66.7	4 600	52.0
54.0										13.1	50.2	6 600	26.2	58.3	5 800	34.6	62.3	5 000	41.3	64.6	4 300	54.0
56.0													19.3	53.5	5 500	29.6	59.1	4 700	37.0	62.1	4 000	56.0
58.0																23.6	55.2	4 400	32.3	59.2	3 700	58.0
60.0																15.6	49.5	4 100	26.9	55.7	3 500	60.0
62.0																			20.1	51.1	3 300	62.0
64.0																			9.6	43.6	3 000	64.0

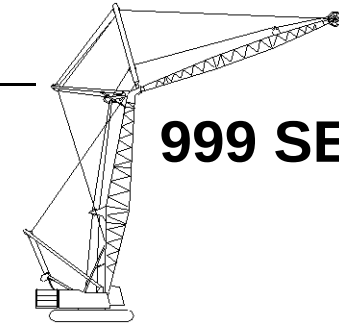
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.2	86.2	20 600 *																			15.2
16.0	74.3	86.0	20 200 *																			16.0
18.0	71.6	85.4	19 200 *																			18.0
20.0	69.0	84.7	18 200 *																			20.0
22.0	66.3	83.9	17 300 *																			22.0
24.0	63.5	82.9	16 400 *	68.2	84.2	18 000 *																24.0
26.0	60.7	81.9	15 500 *	65.5	83.3	17 100 *																26.0
28.0	57.7	80.7	14 600 *	62.7	82.3	16 300 *	65.6	83.0	17 100 *													28.0
30.0	54.7	79.4	13 800 *	59.8	81.2	15 400 *	62.8	82.0	16 300 *													30.0
32.0	51.6	77.9	13 100 *	56.9	80.0	14 600 *	59.9	80.9	15 300 *													32.0
34.0	48.3	76.2	12 300 *	53.9	78.6	13 800 *	57.0	79.7	14 200 *	61.9	80.9	12 800										34.0
36.0	44.9	74.3	11 700 *	50.7	77.1	13 000 *	53.9	78.3	13 100	59.0	79.7	11 800										36.0
38.0	41.2	72.1	11 000 *	47.4	75.3	12 300 *	50.8	76.8	12 200	56.0	78.5	11 000										38.0
40.0	37.2	69.7	10 500 *	43.9	73.4	11 600 *	47.4	75.0	11 400	52.9	77.0	10 200										40.0
42.0	32.9	66.8	9 900 *	40.1	71.2	11 000 *	43.9	73.1	10 700	49.7	75.4	9 600	54.9	76.9	8 500							42.0
44.0	27.9	63.4	9 400 *	36.0	68.6	10 400 *	40.2	70.9	10 000	46.4	73.6	8 900	51.8	75.4	7 900							44.0
46.0	21.9	59.1	8 900 *	31.5	65.6	9 900 *	36.1	68.3	9 300	42.8	71.6	8 400	48.5	73.7	7 400							46.0
48.0	13.8	52.9	8 600 *	26.4	62.0	9 400	31.7	65.4	8 800	38.9	69.3	7 900	45.1	71.8	7 000	50.5	73.3	6 100				48.0
50.0				20.0	57.3	8 800	26.5	61.8	8 300	34.8	66.6	7 400	41.4	69.7	6 500	47.1	71.6	5 700				50.0
52.0							20.2	57.1	7 800	30.1	63.5	7 000	37.5	67.3	6 100	43.6	69.6	5 300				52.0
54.0										24.6	59.6	6 600	33.1	64.5	5 800	39.8	67.4	5 000	45.5	69.0	4 300	54.0
56.0										17.7	54.4	6 200	28.2	61.1	5 400	35.7	64.8	4 700	41.8	66.9	4 000	56.0
58.0													22.4	56.9	5 100	31.2	61.8	4 400	37.9	64.5	3 700	58.0
60.0													14.4	50.8	4 800	26.0	58.1	4 100	33.6	61.7	3 500	60.0
62.0																19.5	53.3	3 900	28.8	58.4	3 200	62.0
64.0																9.4	45.5	3 600	23.0	54.3	3 000	64.0
66.0																			15.4	48.6	2 800	66.0

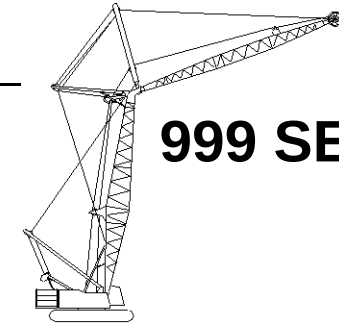
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	89.0	18 200 *																			16.8
18.0	72.8	88.6	17 600 *																			18.0
20.0	70.3	88.0	16 700 *																			20.0
22.0	67.8	87.2	15 800 *																			22.0
24.0	65.3	86.3	14 900 *																			24.0
26.0	62.6	85.4	14 100 *	67.1	86.6	15 600 *																26.0
28.0	60.0	84.3	13 200 *	64.5	85.7	14 800 *	67.2	86.3	15 600 *													28.0
30.0	57.2	83.0	12 500 *	61.9	84.7	14 000 *	64.6	85.4	14 800 *													30.0
32.0	54.4	81.7	11 700 *	59.2	83.6	13 200 *	62.0	84.4	14 000 *													32.0
34.0	51.4	80.2	11 000 *	56.4	82.3	12 400 *	59.3	83.3	13 200 *													34.0
36.0	48.4	78.5	10 400 *	53.6	80.9	11 700 *	56.5	82.0	12 400 *	61.1	83.3	11 700										36.0
38.0	45.1	76.6	9 700 *	50.6	79.4	11 000 *	53.6	80.6	11 700 *	58.4	82.1	10 800										38.0
40.0	41.7	74.5	9 100 *	47.5	77.6	10 300 *	50.7	79.1	11 000 *	55.6	80.8	10 100										40.0
42.0	38.0	72.1	8 600 *	44.2	75.7	9 700 *	47.5	77.3	10 400 *	52.7	79.3	9 400										42.0
44.0	34.0	69.3	8 100 *	40.7	73.5	9 100 *	44.3	75.4	9 800 *	49.7	77.7	8 800	54.6	79.2	7 800							44.0
46.0	29.6	66.1	7 600 *	37.0	71.0	8 600 *	40.8	73.2	9 200 *	46.5	75.9	8 200	51.6	77.7	7 300							46.0
48.0	24.4	62.2	7 200 *	32.9	68.2	8 000 *	37.1	70.7	8 600 *	43.2	73.9	7 800	48.6	76.0	6 800							48.0
50.0	17.9	57.0	6 800 *	28.2	64.8	7 600 *	33.0	67.9	8 100 *	39.6	71.7	7 300	45.3	74.1	6 400	50.4	75.6	5 500				50.0
52.0				22.8	60.6	7 100 *	28.3	64.5	7 600 *	35.8	69.1	6 900	41.9	72.0	6 000	47.2	73.9	5 100				52.0
54.0				15.6	54.8	6 800 *	22.9	60.3	7 200 *	31.6	66.1	6 400	38.3	69.7	5 600	44.0	71.9	4 800				54.0
56.0							15.8	54.7	6 800 *	26.7	62.5	6 100	34.3	67.0	5 300	40.5	69.7	4 500	45.7	71.3	3 800	56.0
58.0										20.9	58.0	5 700	29.9	63.8	5 000	36.7	67.2	4 200	42.3	69.3	3 500	58.0
60.0										12.8	51.4	5 400	24.8	59.9	4 700	32.5	64.3	4 000	38.7	66.9	3 300	60.0
62.0													18.4	54.8	4 400	27.9	60.9	3 700	34.8	64.2	3 100	62.0
64.0													8.1	46.3	4 100	22.3	56.6	3 500	30.4	61.1	2 900	64.0
66.0																15.0	50.7	3 300	25.4	57.3	2 700	66.0
68.0																			19.1	52.4	2 400	68.0
70.0																			9.7	44.7	2 300	70.0

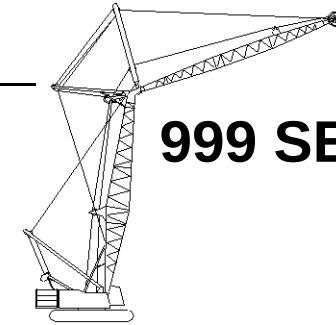
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

39.6m (130 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.3	92.1	16 800 *																			16.8
18.0	73.9	91.8	16 300 *																			18.0
20.0	71.5	91.2	15 400 *																			20.0
22.0	69.2	90.5	14 500 *																			22.0
24.0	66.8	89.7	13 700 *																			24.0
26.0	64.4	88.8	12 900 *	68.5	89.9	14 400 *																26.0
28.0	61.9	87.7	12 200 *	66.1	89.1	13 600 *																28.0
30.0	59.4	86.6	11 400 *	63.7	88.2	12 800 *	66.2	88.8	13 500 *													30.0
32.0	56.8	85.4	10 700 *	61.2	87.1	12 100 *	63.7	87.8	12 800 *													32.0
34.0	54.1	84.0	10 000 *	58.6	86.0	11 300 *	61.3	86.8	12 100 *													34.0
36.0	51.3	82.5	9 400 *	56.0	84.7	10 600 *	58.7	85.6	11 400 *													36.0
38.0	48.4	80.8	8 800 *	53.3	83.2	10 000 *	56.1	84.4	10 600 *	60.4	85.6	10 700										38.0
40.0	45.4	78.9	8 200 *	50.5	81.7	9 300 *	53.4	82.9	10 000 *	57.9	84.4	10 000										40.0
42.0	42.2	76.8	7 700 *	47.6	79.9	8 700 *	50.6	81.4	9 400 *	55.2	83.1	9 300										42.0
44.0	38.8	74.5	7 200 *	44.5	78.0	8 100 *	47.6	79.6	8 800 *	52.5	81.7	8 700										44.0
46.0	35.1	71.8	6 700 *	41.2	75.9	7 600 *	44.6	77.7	8 200 *	49.6	80.0	8 100	54.2	81.5	7 100							46.0
48.0	31.0	68.7	6 300 *	37.8	73.4	7 100 *	41.3	75.6	7 700 *	46.7	78.2	7 600	51.5	80.0	6 700							48.0
50.0	26.4	65.1	5 800 *	34.0	70.7	6 600 *	37.8	73.2	7 200 *	43.5	76.3	7 100	48.6	78.3	6 300							50.0
52.0	20.9	60.5	5 300 *	29.8	67.5	6 200 *	34.1	70.4	6 700 *	40.2	74.0	6 700	45.6	76.5	5 900	50.3	77.9	5 000				52.0
54.0	13.4	54.0	4 900 *	25.0	63.6	5 800 *	29.9	67.2	6 300 *	36.7	71.5	6 300	42.4	74.4	5 500	47.3	76.2	4 700				54.0
56.0				19.1	58.7	5 300 *	25.1	63.3	5 800 *	32.8	68.6	6 000	39.0	72.1	5 200	44.3	74.2	4 400				56.0
58.0							19.2	58.4	5 300 *	28.5	65.2	5 700	35.3	69.4	4 900	41.0	72.1	4 100	45.9	73.6	3 400	58.0
60.0										23.4	61.1	5 300	31.3	66.4	4 600	37.5	69.6	3 900	42.7	71.6	3 100	60.0
62.0										17.0	55.7	5 000	26.7	62.8	4 300	33.7	66.8	3 600	39.3	69.3	2 900	62.0
64.0										5.7	45.7	4 700	21.3	58.3	4 000	29.5	63.6	3 400	35.7	66.7	2 700	64.0
66.0													14.0	52.0	3 800	24.6	59.7	3 200	31.7	63.7	2 500	66.0
68.0																18.6	54.6	2 900	27.2	60.1	2 400	68.0
70.0																9.5	46.6	2 700	21.9	55.8	2 200	70.0
72.0																			14.9	49.8	2 000	72.0

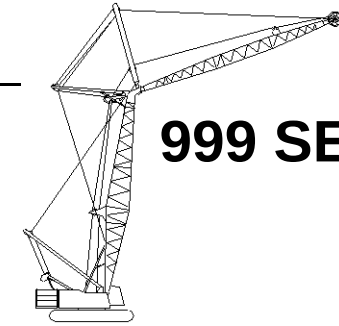
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	62.0	63.9	44 400 *b																			13.7
14.0	61.1	63.8	44 100 *b																			14.0
16.0	54.8	62.5	41 700 *b																			16.0
18.0	47.9	60.9	37 800																			18.0
20.0	40.2	58.8	32 900	53.8	62.0	30 400 b	60.9	63.0	28 900 b													20.0
22.0	30.9	56.0	29 200	46.8	60.3	26 900	54.5	61.7	25 600 b													22.0
24.0	17.9	51.6	24 700	38.9	58.1	24 100	47.6	60.1	22 900													24.0
26.0				29.4	55.2	21 800	39.8	58.0	20 700	53.2	60.6	18 900 b										26.0
28.0							30.5	55.2	18 900	46.2	58.9	17 200										28.0
30.0							17.1	50.6	17 200	38.2	56.7	15 700	51.7	59.1	14 200							30.0
32.0										28.4	53.6	14 500	44.4	57.3	13 100							32.0
34.0													36.1	54.9	12 100	49.6	57.1	10 800 b				34.0
36.0													25.6	51.6	11 100	42.1	55.2	10 000				36.0
38.0																33.4	52.6	9 200				38.0
40.0																21.7	48.7	8 600	39.1	52.5	7 600	40.0
42.0																			29.6	49.6	7 000	42.0
44.0																			15.6	44.8	6 500	44.0

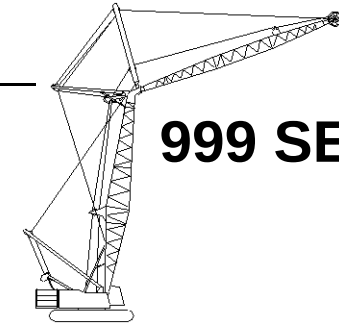
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

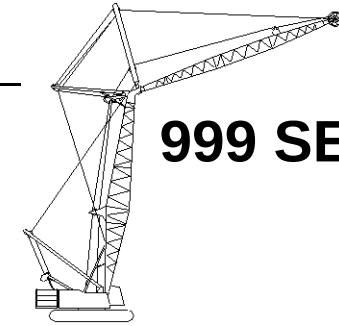
42.7m (140 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	65.7	67.3	39 700 *b																			13.7
14.0	65.0	67.2	39 400 *b																			14.0
16.0	59.7	66.1	37 300 *b																			16.0
18.0	54.1	64.8	35 300 *	64.2	66.7	34 600 b																18.0
20.0	48.0	63.2	32 900	58.9	65.6	30 200 b	64.8	66.4	28 700 b													20.0
22.0	41.4	61.2	29 100	53.2	64.3	26 800	59.5	65.4	25 400 b													22.0
24.0	33.6	58.6	26 100	47.1	62.6	24 000	53.8	64.0	22 800													24.0
26.0	23.9	54.9	23 500	40.3	60.5	21 700	47.8	62.4	20 600	58.4	64.3	18 700 b										26.0
28.0				32.4	57.8	19 700	41.0	60.4	18 700	52.7	62.9	17 000										28.0
30.0				22.1	53.9	18 100	33.3	57.7	17 100	46.6	61.2	15 500										30.0
32.0							23.3	54.0	15 700	39.7	59.1	14 300	51.3	61.4	12 900							32.0
34.0										31.6	56.3	13 200	45.0	59.6	11 900							34.0
36.0										21.0	52.2	12 200	37.9	57.3	11 000	49.5	59.4	9 800				36.0
38.0													29.4	54.3	10 200	43.0	57.5	9 100				38.0
40.0																35.6	55.0	8 400				40.0
42.0																26.5	51.7	7 800	40.5	54.9	6 900	42.0
44.0																12.3	46.1	7 300	32.6	52.2	6 400	44.0
46.0																			22.4	48.4	6 000	46.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	68.6	70.6	36 000 *b																			13.7
14.0	67.9	70.5	35 700 *b																			14.0
16.0	63.4	69.6	33 800 *b																			16.0
18.0	58.6	68.5	32 000 *	67.3	70.0	34 400 b																18.0
20.0	53.5	67.1	30 400 *	62.7	69.1	30 200 b																20.0
22.0	48.2	65.5	28 800	57.9	68.0	26 700	63.1	68.8	25 400 b													22.0
24.0	42.3	63.5	26 100	52.8	66.6	23 900	58.4	67.7	22 700													24.0
26.0	35.6	61.1	23 600	47.3	64.9	21 600	53.3	66.4	20 500	62.3	67.8	18 600 b										26.0
28.0	27.6	57.8	21 400	41.3	62.9	19 700	47.9	64.7	18 600	57.4	66.6	16 900										28.0
30.0	16.5	52.9	19 000	34.5	60.3	18 000	42.0	62.7	17 100	52.3	65.2	15 500										30.0
32.0				26.3	56.9	16 600	35.3	60.2	15 700	46.8	63.5	14 200	56.3	65.1	12 700							32.0
34.0							27.2	56.9	14 500	40.8	61.4	13 100	51.1	63.7	11 700							34.0
36.0							15.8	51.9	13 400	33.9	58.8	12 200	45.5	61.9	10 900							36.0
38.0										25.5	55.3	11 300	39.3	59.7	10 100							38.0
40.0													32.1	56.9	9 400	43.7	59.8	8 300				40.0
42.0													23.1	53.1	8 800	37.3	57.5	7 700				42.0
44.0																29.7	54.4	7 300	41.5	57.2	6 300	44.0
46.0																19.7	50.1	6 800	34.7	54.7	5 900	46.0
48.0																			26.5	51.3	5 500	48.0
50.0																			14.6	46.0	5 100	50.0

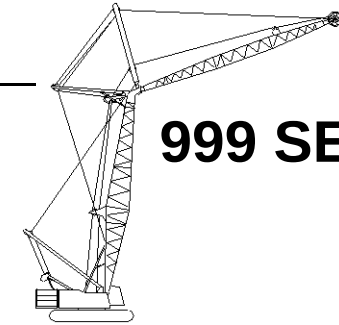
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

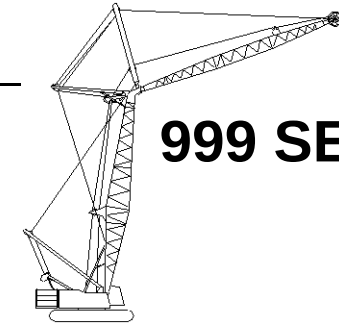
42.7m (140 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.8	73.9	33 600 *b																			13.7
14.0	70.2	73.8	33 300 *b																			14.0
16.0	66.2	73.0	31 500 *b																			16.0
18.0	62.0	72.0	29 800 *																			18.0
20.0	57.7	70.8	28 200 *	65.6	72.5	30 000 b																20.0
22.0	53.1	69.5	26 700 *	61.4	71.5	26 600	66.0	72.2	25 200 b													22.0
24.0	48.2	67.8	25 400 *	57.0	70.3	23 800	61.8	71.2	22 500													24.0
26.0	43.0	65.9	23 500	52.4	68.9	21 500	57.5	70.1	20 300													26.0
28.0	37.1	63.5	21 300	47.5	67.2	19 600	52.9	68.7	18 500	61.0	70.2	16 700										28.0
30.0	30.4	60.5	19 600	42.2	65.2	17 900	48.0	67.0	16 900	56.6	69.0	15 300										30.0
32.0	21.8	56.4	18 000	36.2	62.7	16 500	42.7	65.0	15 600	52.0	67.5	14 100										32.0
34.0				29.2	59.6	15 200	36.8	62.6	14 400	47.0	65.8	13 000	55.6	67.5	11 600							34.0
36.0				20.3	55.3	14 100	30.0	59.6	13 300	41.7	63.8	12 000	50.9	66.0	10 700							36.0
38.0							21.3	55.5	12 400	35.6	61.3	11 200	45.8	64.2	10 000							38.0
40.0										28.6	58.1	10 400	40.3	62.0	9 300	49.4	64.0	8 100				40.0
42.0										19.3	53.6	9 700	34.1	59.4	8 600	44.3	62.1	7 600				42.0
44.0													26.7	56.0	8 100	38.6	59.9	7 100				44.0
46.0																32.1	57.0	6 600	42.3	59.6	5 700	46.0
48.0																24.1	53.3	6 200	36.4	57.1	5 300	48.0
50.0																11.9	47.1	5 800	29.4	54.0	4 900	50.0
52.0																			20.5	49.8	4 600	52.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.6	77.1	31 400 *b																			13.7
14.0	72.1	77.0	31 200 *b																			14.0
16.0	68.5	76.3	29 700 *b																			16.0
18.0	64.8	75.4	28 400 *																			18.0
20.0	60.9	74.4	27 000 *	67.9	75.8	29 700																20.0
22.0	56.9	73.2	25 700 *	64.2	74.9	26 500																22.0
24.0	52.7	71.8	24 500 *	60.3	73.9	23 800	64.6	74.6	22 500													24.0
26.0	48.3	70.1	23 300	56.3	72.6	21 500	60.7	73.6	20 300													26.0
28.0	43.5	68.2	21 400	52.1	71.2	19 600	56.7	72.4	18 500													28.0
30.0	38.3	65.9	19 600	47.6	69.5	17 900	52.5	71.0	16 900	60.0	72.5	15 300										30.0
32.0	32.4	63.1	18 100	42.8	67.5	16 500	48.1	69.3	15 600	56.0	71.3	14 100										32.0
34.0	25.3	59.4	16 700	37.5	65.1	15 300	43.3	67.4	14 400	51.7	69.8	13 000										34.0
36.0	15.5	54.1	15 300	31.5	62.2	14 200	38.1	65.0	13 300	47.2	68.1	12 000	55.0	69.8	10 700							36.0
38.0				24.1	58.4	13 200	32.1	62.2	12 400	42.4	66.1	11 200	50.7	68.3	9 900							38.0
40.0							25.0	58.5	11 600	37.0	63.7	10 400	46.1	66.5	9 300							40.0
42.0							15.0	53.0	10 800	30.9	60.7	9 700	41.2	64.4	8 600	49.4	66.3	7 600				42.0
44.0										23.4	56.8	9 100	35.7	61.9	8 100	44.7	64.4	7 100				44.0
46.0													29.3	58.7	7 600	39.6	62.2	6 600				46.0
48.0													21.3	54.5	7 100	33.9	59.6	6 200	42.9	61.9	5 300	48.0
50.0																27.2	56.2	5 800	37.6	59.6	4 900	50.0
52.0																18.4	51.4	5 400	31.6	56.7	4 600	52.0
54.0																			24.3	52.9	4 300	54.0
56.0																			13.9	47.1	4 000	56.0

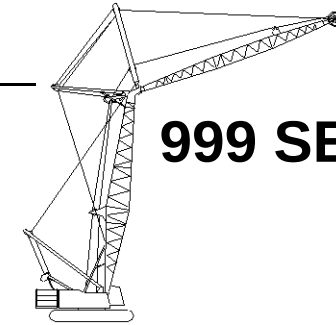
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

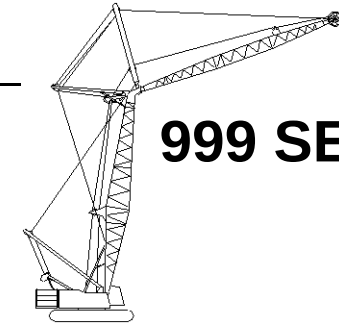
42.7m (140 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.1	80.3	25 500 *b																			13.7
14.0	73.6	80.2	25 400 *b																			14.0
16.0	70.3	79.5	24 800 *b																			16.0
18.0	67.0	78.7	24 200 *																			18.0
20.0	63.5	77.8	23 100 *	69.9	79.1	25 100 *																20.0
22.0	60.0	76.7	21 900 *	66.5	78.3	24 300 *																22.0
24.0	56.3	75.5	20 800 *	63.0	77.3	23 200 *																24.0
26.0	52.4	74.1	19 800 *	59.4	76.2	21 400	63.4	77.1	20 100													26.0
28.0	48.4	72.4	18 900 *	55.7	75.0	19 400	59.8	76.0	18 300													28.0
30.0	44.0	70.5	18 000 *	51.8	73.5	17 800	56.1	74.7	16 800													30.0
32.0	39.3	68.3	17 200 *	47.7	71.8	16 400	52.3	73.3	15 400	59.1	74.9	13 900										32.0
34.0	34.1	65.6	16 400	43.4	69.8	15 100	48.2	71.6	14 200	55.4	73.6	12 800										34.0
36.0	28.0	62.2	15 400	38.6	67.5	14 000	43.8	69.7	13 200	51.5	72.1	11 900										36.0
38.0	20.3	57.8	14 300	33.2	64.8	13 100	39.1	67.4	12 300	47.4	70.4	11 000	54.5	72.1	9 700							38.0
40.0				27.0	61.3	12 200	33.8	64.7	11 500	43.0	68.4	10 300	50.6	70.6	9 100							40.0
42.0				18.9	56.6	11 400	27.7	61.4	10 800	38.1	66.1	9 600	46.4	68.8	8 500							42.0
44.0							19.9	56.8	10 000	32.7	63.3	9 000	41.9	66.7	7 900	49.4	68.6	6 900				44.0
46.0										26.4	59.7	8 400	36.9	64.3	7 400	45.1	66.7	6 400				46.0
48.0										18.1	54.9	7 900	31.3	61.4	7 000	40.5	64.6	6 000				48.0
50.0													24.7	57.6	6 500	35.4	62.0	5 600	43.5	64.2	4 800	50.0
52.0																29.5	58.9	5 300	38.7	61.9	4 500	52.0
54.0																22.4	54.8	5 000	33.4	59.2	4 200	54.0
56.0																11.7	48.2	4 600	27.1	55.8	3 900	56.0
58.0																			19.2	51.1	3 600	58.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.4	83.4	23 900 *b																			13.7
14.0	74.9	83.3	23 800 *b																			14.0
16.0	71.9	82.7	23 200 *																			16.0
18.0	68.8	82.0	22 400 *																			18.0
20.0	65.7	81.2	21 300 *																			20.0
22.0	62.5	80.2	20 300 *	68.4	81.6	22 400 *																22.0
24.0	59.2	79.1	19 300 *	65.2	80.7	21 400 *																24.0
26.0	55.7	77.8	18 400 *	62.0	79.7	20 400 *	65.6	80.4	20 000													26.0
28.0	52.2	76.4	17 500 *	58.7	78.6	19 300	62.3	79.5	18 200													28.0
30.0	48.4	74.7	16 700 *	55.2	77.3	17 700	59.0	78.3	16 600													30.0
32.0	44.4	72.8	15 900 *	51.6	75.8	16 300	55.6	77.1	15 300	61.7	78.4	13 700										32.0
34.0	40.1	70.6	15 100 *	47.8	74.1	15 100	52.0	75.6	14 200	58.4	77.2	12 700										34.0
36.0	35.4	68.0	14 500 *	43.8	72.2	14 000	48.2	73.9	13 100	54.9	75.9	11 700										36.0
38.0	30.0	64.9	13 900 *	39.5	69.9	13 000	44.2	72.0	12 200	51.3	74.4	10 900										38.0
40.0	23.6	61.0	13 300	34.7	67.3	12 100	39.9	69.8	11 400	47.5	72.7	10 200	54.1	74.4	8 900							40.0
42.0	14.8	55.2	12 300	29.2	64.0	11 300	35.2	67.2	10 700	43.4	70.7	9 500	50.4	72.9	8 400							42.0
44.0				22.5	59.9	10 600	29.8	64.0	10 000	39.1	68.5	8 900	46.6	71.1	7 800							44.0
46.0							23.3	60.0	9 300	34.2	65.8	8 300	42.5	69.1	7 300	49.3	70.9	6 300				46.0
48.0							14.3	54.2	8 800	28.7	62.5	7 800	38.0	66.7	6 900	45.4	69.1	5 900				48.0
50.0										21.9	58.3	7 400	33.0	63.9	6 500	41.2	66.9	5 500				50.0
52.0													27.2	60.4	6 000	36.6	64.5	5 200	43.9	66.6	4 300	52.0
54.0													20.0	55.9	5 700	31.4	61.5	4 800	39.6	64.3	4 000	54.0
56.0																25.3	57.8	4 500	34.8	61.7	3 800	56.0
58.0																17.4	52.7	4 200	29.3	58.5	3 500	58.0
60.0																			22.7	54.4	3 300	60.0
62.0																			13.4	48.3	3 000	62.0

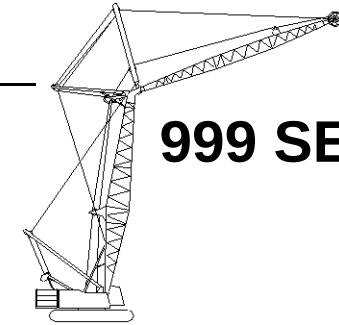
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

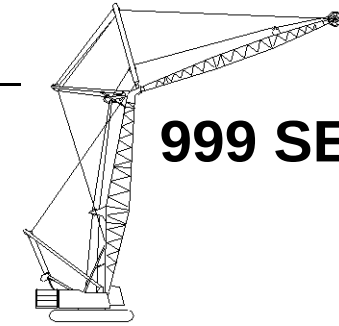
42.7m (140 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	86.2	21 900 *																			15.2
16.0	73.2	85.9	21 600 *																			16.0
18.0	70.4	85.3	20 700 *																			18.0
20.0	67.5	84.5	19 600 *																			20.0
22.0	64.6	83.6	18 700 *	70.0	84.8	20 600 *																22.0
24.0	61.6	82.6	17 700 *	67.1	84.0	19 600 *																24.0
26.0	58.5	81.5	16 800 *	64.2	83.1	18 700 *	67.4	83.8	19 600													26.0
28.0	55.3	80.2	16 000 *	61.1	82.1	17 800 *	64.5	82.9	18 100													28.0
30.0	51.9	78.7	15 100 *	58.0	80.9	16 900 *	61.5	81.8	16 500													30.0
32.0	48.5	77.0	14 300 *	54.8	79.6	16 100 *	58.4	80.7	15 100													32.0
34.0	44.8	75.1	13 600 *	51.4	78.1	14 900	55.1	79.4	14 000	60.9	80.8	12 500										34.0
36.0	40.8	73.0	12 900 *	47.9	76.4	13 800	51.8	77.9	13 000	57.8	79.6	11 600										36.0
38.0	36.5	70.5	12 300 *	44.2	74.5	12 900	48.3	76.2	12 100	54.5	78.2	10 700										38.0
40.0	31.7	67.5	11 700 *	40.2	72.3	12 000	44.6	74.3	11 200	51.1	76.7	10 000	57.0	78.1	8 800							40.0
42.0	26.2	63.9	11 200 *	35.8	69.7	11 200	40.6	72.1	10 500	47.6	75.0	9 300	53.7	76.7	8 200							42.0
44.0	19.2	59.1	10 700 *	31.0	66.7	10 500	36.3	69.6	9 900	43.9	73.1	8 700	50.3	75.2	7 600							44.0
46.0				25.3	62.9	9 900	31.5	66.6	9 300	39.8	70.8	8 200	46.8	73.4	7 100							46.0
48.0				18.0	57.9	9 300	25.9	63.0	8 700	35.4	68.2	7 700	42.9	71.4	6 700	49.3	73.2	5 700				48.0
50.0							18.8	58.1	8 200	30.5	65.2	7 200	38.8	69.1	6 300	45.7	71.4	5 400				50.0
52.0										24.7	61.3	6 800	34.3	66.4	5 900	41.8	69.3	5 000				52.0
54.0										17.2	56.1	6 400	29.2	63.2	5 500	37.6	66.9	4 700	44.3	68.9	3 900	54.0
56.0													23.1	59.1	5 200	32.9	64.0	4 400	40.3	66.7	3 600	56.0
58.0																27.6	60.6	4 100	35.9	64.1	3 300	58.0
60.0																21.1	56.2	3 900	31.1	61.1	3 100	60.0
62.0																11.5	49.3	3 600	25.4	57.4	2 900	62.0
64.0																			18.2	52.4	2 700	64.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.4	89.3	20 400 *																			15.2
16.0	74.4	89.1	20 000 *																			16.0
18.0	71.8	88.5	19 100 *																			18.0
20.0	69.1	87.8	18 200 *																			20.0
22.0	66.4	87.0	17 200 *																			22.0
24.0	63.6	86.0	16 400 *	68.7	87.3	18 100 *																24.0
26.0	60.8	85.0	15 500 *	66.0	86.5	17 200 *																26.0
28.0	57.9	83.8	14 600 *	63.2	85.5	16 400 *	66.3	86.2	17 200 *													28.0
30.0	54.9	82.5	13 900 *	60.4	84.5	15 500 *	63.5	85.3	16 400													30.0
32.0	51.8	81.0	13 100 *	57.5	83.3	14 700 *	60.7	84.2	15 100													32.0
34.0	48.5	79.3	12 400 *	54.4	81.9	13 900 *	57.8	83.0	13 900													34.0
36.0	45.0	77.4	11 700 *	51.3	80.4	13 200 *	54.7	81.7	12 900	60.1	83.1	11 500										36.0
38.0	41.4	75.3	11 100 *	48.0	78.7	12 500 *	51.6	80.2	12 000	57.2	81.9	10 700										38.0
40.0	37.4	72.9	10 500 *	44.5	76.8	11 800 *	48.3	78.5	11 200	54.2	80.6	9 900										40.0
42.0	33.1	70.0	9 900 *	40.8	74.6	11 100 *	44.9	76.6	10 500	51.0	79.0	9 300	56.5	80.4	8 100							42.0
44.0	28.2	66.7	9 400 *	36.8	72.1	10 500	41.2	74.5	9 800	47.7	77.3	8 700	53.4	79.0	7 600							44.0
46.0	22.3	62.4	9 000 *	32.4	69.2	9 800	37.3	72.0	9 200	44.2	75.4	8 100	50.2	77.5	7 100							46.0
48.0	14.3	56.4	8 600 *	27.4	65.8	9 300	32.9	69.2	8 700	40.5	73.2	7 700	46.9	75.7	6 600							48.0
50.0				21.3	61.3	8 700	27.9	65.8	8 100	36.5	70.7	7 200	43.4	73.7	6 200	49.3	75.5	5 300				50.0
52.0							22.0	61.5	7 700	32.0	67.7	6 800	39.6	71.5	5 900	45.9	73.7	5 000				52.0
54.0							13.9	55.3	7 200	26.9	64.2	6 400	35.5	68.9	5 500	42.3	71.6	4 700				54.0
56.0										20.7	59.7	6 000	30.9	65.8	5 200	38.4	69.3	4 400	44.6	71.2	3 600	56.0
58.0													25.6	62.1	4 900	34.2	66.5	4 100	40.9	69.0	3 300	58.0
60.0													19.0	57.2	4 600	29.4	63.3	3 800	36.9	66.5	3 100	60.0
62.0																23.8	59.3	3 600	32.5	63.7	2 900	62.0
64.0																16.6	53.9	3 400	27.5	60.2	2 700	64.0
66.0																			21.5	55.8	2 500	66.0
68.0																			13.0	49.4	2 300	68.0

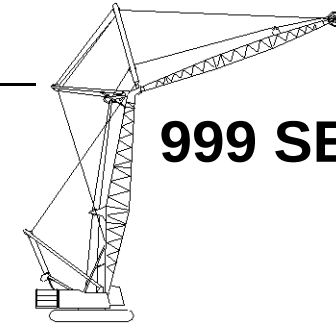
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

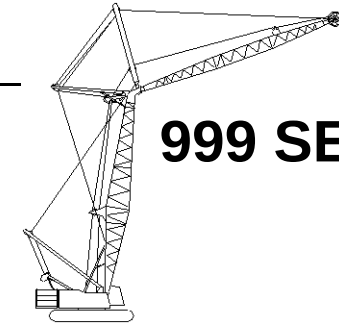
42.7m (140 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	92.1	18 100 *																			16.8
18.0	72.9	91.7	17 600 *																			18.0
20.0	70.5	91.0	16 600 *																			20.0
22.0	68.0	90.3	15 800 *																			22.0
24.0	65.4	89.4	14 900 *																			24.0
26.0	62.8	88.5	14 100 *	67.6	89.8	15 700 *																26.0
28.0	60.1	87.4	13 300 *	65.0	88.9	14 900 *																28.0
30.0	57.4	86.1	12 500 *	62.4	87.9	14 100 *	65.3	88.7	14 900 *													30.0
32.0	54.5	84.8	11 800 *	59.7	86.8	13 300 *	62.7	87.7	14 100 *													32.0
34.0	51.6	83.3	11 100 *	57.0	85.6	12 600 *	60.0	86.6	13 400 *													34.0
36.0	48.5	81.6	10 400 *	54.1	84.2	11 800 *	57.2	85.4	12 700 *													36.0
38.0	45.3	79.7	9 800 *	51.1	82.7	11 100 *	54.4	84.0	11 900 *	59.5	85.5	10 500										38.0
40.0	41.9	77.6	9 200 *	48.1	81.0	10 400 *	51.5	82.5	11 100 *	56.7	84.3	9 800										40.0
42.0	38.2	75.3	8 700 *	44.8	79.1	9 800 *	48.4	80.8	10 400 *	53.8	82.9	9 100										42.0
44.0	34.3	72.5	8 100 *	41.4	77.0	9 300 *	45.2	78.9	9 700 *	50.9	81.3	8 500	56.0	82.8	7 400							44.0
46.0	29.8	69.3	7 600 *	37.7	74.5	8 700 *	41.7	76.8	9 100	47.8	79.6	8 000	53.2	81.4	6 900							46.0
48.0	24.7	65.5	7 200 *	33.7	71.8	8 200 *	38.1	74.4	8 500	44.5	77.7	7 500	50.2	79.8	6 500							48.0
50.0	18.3	60.4	6 800 *	29.1	68.5	7 700 *	34.1	71.7	8 000	41.1	75.5	7 000	47.0	78.0	6 100							50.0
52.0				23.9	64.5	7 300 *	29.6	68.5	7 600	37.3	73.1	6 600	43.7	76.0	5 700	49.3	77.8	4 800				52.0
54.0				17.2	59.1	6 900 *	24.5	64.6	7 200	33.3	70.3	6 200	40.2	73.8	5 300	46.1	76.0	4 500				54.0
56.0							18.0	59.4	6 700	28.7	66.9	5 900	36.4	71.3	5 000	42.7	73.9	4 200				56.0
58.0										23.4	62.8	5 500	32.3	68.4	4 700	39.1	71.6	3 900	44.9	73.5	3 100	58.0
60.0										16.5	57.3	5 200	27.6	64.9	4 500	35.3	69.0	3 600	41.5	71.4	2 900	60.0
62.0													21.9	60.5	4 200	31.0	65.9	3 400	37.8	68.9	2 700	62.0
64.0													14.4	54.4	3 900	26.0	62.2	3 200	33.8	66.2	2 500	64.0
66.0																20.0	57.5	3 000	29.3	62.9	2 300	66.0
68.0																11.3	50.4	2 800	24.0	58.9	2 100	68.0
70.0																			17.4	53.6	2 000	70.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

42.7m (140 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.4	95.2	16 700 *																			16.8
18.0	74.0	94.9	16 200 *																			18.0
20.0	71.7	94.3	15 400 *																			20.0
22.0	69.3	93.6	14 600 *																			22.0
24.0	66.9	92.8	13 700 *																			24.0
26.0	64.5	91.9	12 900 *	69.0	93.1	14 400 *																26.0
28.0	62.0	90.8	12 200 *	66.6	92.3	13 700 *																28.0
30.0	59.5	89.7	11 400 *	64.1	91.4	12 900 *																30.0
32.0	56.9	88.5	10 700 *	61.7	90.3	12 200 *	64.4	91.1	13 000 *													32.0
34.0	54.2	87.1	10 000 *	59.1	89.2	11 400 *	61.9	90.1	12 300 *													34.0
36.0	51.4	85.6	9 400 *	56.5	87.9	10 700 *	59.4	89.0	11 500 *													36.0
38.0	48.5	83.9	8 800 *	53.8	86.5	10 100 *	56.8	87.7	10 800 *													38.0
40.0	45.5	82.1	8 200 *	51.0	85.0	9 500 *	54.1	86.3	10 200 *	58.9	87.9	9 700										40.0
42.0	42.3	80.0	7 700 *	48.1	83.3	8 900 *	51.3	84.8	9 500 *	56.3	86.6	9 000										42.0
44.0	38.9	77.6	7 200 *	45.1	81.4	8 300 *	48.4	83.1	8 900 *	53.6	85.2	8 400										44.0
46.0	35.3	75.0	6 700 *	41.9	79.3	7 700 *	45.4	81.3	8 400 *	50.8	83.6	7 900	55.7	85.1	6 800							46.0
48.0	31.2	72.0	6 300 *	38.4	76.9	7 200 *	42.2	79.2	7 800 *	47.9	81.9	7 400	52.9	83.7	6 400							48.0
50.0	26.7	68.3	5 900 *	34.7	74.2	6 700 *	38.8	76.8	7 300 *	44.8	80.0	6 900	50.1	82.1	6 000							50.0
52.0	21.2	63.8	5 400 *	30.6	71.1	6 300 *	35.1	74.2	6 800 *	41.6	77.9	6 500	47.2	80.3	5 600	52.1	81.7	4 600				52.0
54.0	13.9	57.5	4 900 *	25.9	67.4	5 900 *	31.1	71.1	6 400 *	38.1	75.5	6 100	44.1	78.4	5 200	49.3	80.1	4 300				54.0
56.0				20.3	62.7	5 300 *	26.5	67.4	5 900 *	34.4	72.8	5 800	40.8	76.2	4 900	46.3	78.3	4 000				56.0
58.0							20.9	62.9	5 400 *	30.2	69.6	5 400	37.3	73.7	4 600	43.1	76.3	3 800				58.0
60.0							13.5	56.4	5 000 *	25.5	65.8	5 100	33.4	70.9	4 300	39.8	74.0	3 600	45.1	75.8	2 800	60.0
62.0										19.7	61.0	4 800	29.2	67.6	4 100	36.2	71.4	3 300	41.9	73.7	2 600	62.0
64.0										11.5	53.9	4 500	24.3	63.6	3 800	32.3	68.5	3 100	38.5	71.3	2 400	64.0
66.0													18.2	58.5	3 600	27.8	65.0	2 900	34.8	68.6	2 200	66.0
68.0																22.6	60.8	2 700	30.7	65.5	2 000	68.0
70.0																16.0	55.1	2 500	26.1	61.8	1 900	70.0

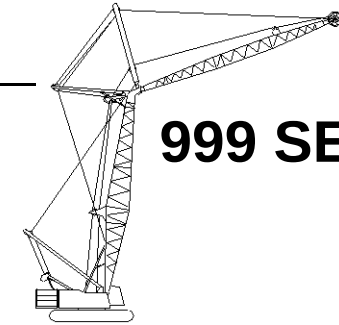
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	62.3	67.0	42 600 *b																			13.7
14.0	61.5	66.9	42 300 *b																			14.0
16.0	55.1	65.6	40 000 *b																			16.0
18.0	48.3	64.1	37 400																			18.0
20.0	40.6	62.0	32 900	55.0	65.2	30 200 b																20.0
22.0	31.5	59.3	29 200	48.2	63.7	26 700 b	56.2	65.1	25 300 b													22.0
24.0	18.8	55.0	24 900	40.5	61.6	24 000	49.5	63.6	22 600													24.0
26.0				31.3	58.9	21 700	42.0	61.6	20 500	55.8	64.1	18 400 b										26.0
28.0				18.6	54.6	19 700	33.2	59.0	18 600	49.1	62.6	16 800 b										28.0
30.0							21.4	55.2	17 000	41.5	60.6	15 300										30.0
32.0										32.6	57.9	14 100	48.3	61.1	12 600							32.0
34.0										20.5	53.9	13 000	40.6	59.1	11 600							34.0
36.0													31.5	56.3	10 700	47.1	59.2	9 400				36.0
38.0													18.8	52.1	9 900	39.2	57.1	8 700				38.0
40.0																29.7	54.2	8 100				40.0
42.0																15.8	49.4	7 500	45.2	56.9	7 000	42.0
44.0																			26.9	51.4	6 000	44.0

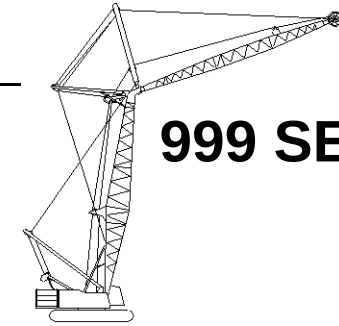
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.0	70.4	39 500 *b																			13.7
14.0	65.3	70.3	39 200 *b																			14.0
16.0	60.0	69.2	37 200 *b																			16.0
18.0	54.4	68.0	35 300 *																			18.0
20.0	48.4	66.4	33 000	59.9	68.9	30 000 b	66.1	69.7	28 300 b													20.0
22.0	41.7	64.4	29 100	54.3	67.6	26 600 b	60.9	68.7	25 100 b													22.0
24.0	34.1	61.8	26 100	48.3	66.0	23 800	55.4	67.4	22 500													24.0
26.0	24.5	58.2	23 600	41.6	64.0	21 500	49.4	65.9	20 300	60.6	67.7	18 200 b										26.0
28.0				34.0	61.4	19 600	42.9	64.0	18 500	55.0	66.4	16 600 b										28.0
30.0				24.3	57.8	17 900	35.5	61.5	16 900	49.1	64.9	15 200										30.0
32.0				6.6	50.5	16 500	26.3	58.2	15 600	42.5	62.9	14 000	54.4	65.0	12 400							32.0
34.0										35.0	60.4	12 900	48.4	63.4	11 400							34.0
36.0										25.7	57.0	11 900	41.7	61.4	10 600							36.0
38.0										10.4	50.9	11 100	34.1	58.9	9 800	47.3	61.5	8 600				38.0
40.0													24.5	55.3	9 100	40.5	59.5	7 900				40.0
42.0																32.6	56.8	7 400				42.0
44.0																22.5	52.9	6 900				44.0
46.0																			38.7	57.0	5 800	46.0
48.0																			30.4	54.1	5 500	48.0
																			19.2	49.7	5 100	

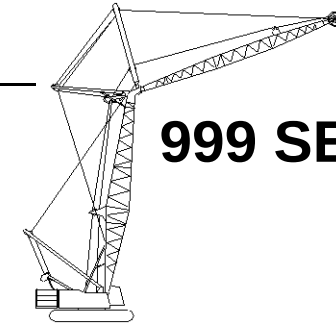
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

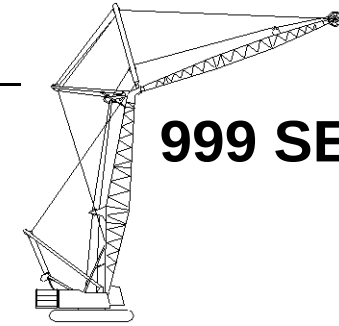
45.7m (150 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	68.8	73.7	35 800 *b																			13.7
14.0	68.2	73.6	35 500 *b																			14.0
16.0	63.6	72.7	33 600 *b																			16.0
18.0	58.8	71.6	31 900 *																			18.0
20.0	53.8	70.3	30 400 *	63.5	72.3	29 900 b																20.0
22.0	48.4	68.7	28 800	58.8	71.2	26 500	64.4	72.1	25 000 b													22.0
24.0	42.6	66.7	26 100	53.7	69.9	23 800	59.6	71.0	22 400													24.0
26.0	36.0	64.2	23 600	48.4	68.3	21 500	54.7	69.7	20 200													26.0
28.0	28.1	61.1	21 500	42.5	66.3	19 600	49.4	68.2	18 400	59.4	70.0	16 500 b										28.0
30.0	17.3	56.3	19 300	35.9	63.8	17 900	43.6	66.3	16 900	54.4	68.7	15 100										30.0
32.0				28.0	60.6	16 500	37.2	63.9	15 500	49.0	67.2	13 900										32.0
34.0				17.1	55.8	15 200	29.6	60.9	14 300	43.3	65.2	12 800	53.8	67.3	11 300							34.0
36.0							19.5	56.5	13 200	36.7	62.9	11 900	48.5	65.7	10 500							36.0
38.0										29.1	59.8	11 000	42.6	63.8	9 700							38.0
40.0										18.7	55.2	10 200	36.0	61.3	9 000	47.5	63.8	7 800				40.0
42.0													28.1	58.1	8 400	41.5	61.8	7 300				42.0
44.0													17.3	53.3	7 900	34.8	59.3	6 800				44.0
46.0																26.6	55.9	6 300	40.0	59.3	5 300	46.0
48.0																14.7	50.6	5 900	32.9	56.6	5 000	48.0
50.0																			24.2	53.0	4 600	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.0	77.0	33 400 *b																			13.7
14.0	70.5	76.9	33 200 *b																			14.0
16.0	66.4	76.1	31 400 *b																			16.0
18.0	62.2	75.1	29 700 *																			18.0
20.0	57.9	73.9	28 200 *	66.4	75.7	29 800 b																20.0
22.0	53.3	72.6	26 800 *	62.2	74.7	26 400																22.0
24.0	48.5	71.0	25 400 *	57.8	73.6	23 600	62.9	74.5	22 200													24.0
26.0	43.3	69.0	23 500	53.3	72.2	21 400	58.6	73.4	20 000													26.0
28.0	37.5	66.7	21 400	48.4	70.6	19 400	54.1	72.1	18 200													28.0
30.0	30.7	63.7	19 600	43.2	68.6	17 800	49.3	70.5	16 700	58.4	72.4	14 900										30.0
32.0	22.3	59.7	18 100	37.4	66.3	16 400	44.2	68.6	15 400	53.8	71.1	13 700										32.0
34.0				30.6	63.3	15 100	38.5	66.3	14 200	49.0	69.5	12 600										34.0
36.0				22.2	59.3	14 000	32.0	63.5	13 200	43.9	67.6	11 700	53.3	69.6	10 300							36.0
38.0				7.4	51.7	13 000	23.9	59.7	12 200	38.1	65.3	10 900	48.5	68.0	9 500							38.0
40.0										31.5	62.4	10 100	43.3	66.1	8 900							40.0
42.0										23.4	58.5	9 500	37.5	63.7	8 300	47.7	66.1	7 100				42.0
44.0										10.4	51.9	8 800	30.8	60.8	7 700	42.3	64.1	6 600				44.0
46.0													22.3	56.8	7 200	36.4	61.7	6 200	46.4	63.8	5 200	46.0
48.0																29.5	58.6	5 800	40.9	61.7	4 800	48.0
50.0																20.6	54.3	5 400	34.8	59.1	4 500	50.0
52.0																			27.6	55.8	4 200	52.0
54.0																			17.8	51.0	3 900	54.0

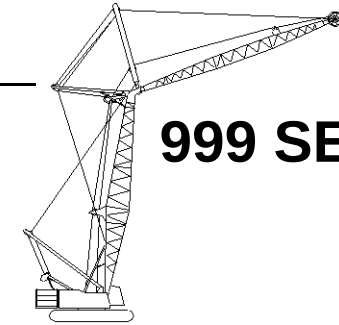
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

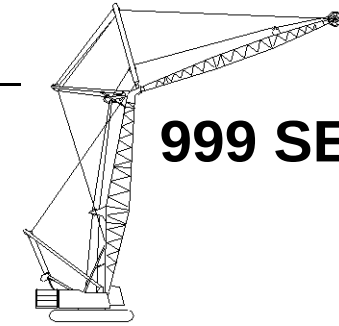
45.7m (150 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.8	80.2	31 100 *b																			13.7
14.0	72.3	80.1	30 900 *b																			14.0
16.0	68.7	79.4	29 500 *b																			16.0
18.0	65.0	78.5	28 200 *																			18.0
20.0	61.1	77.5	27 000 *	68.6	79.0	29 700 b																20.0
22.0	57.1	76.3	25 700 *	64.9	78.1	26 400																22.0
24.0	53.0	74.9	24 500 *	61.1	77.1	23 600	65.6	77.9	22 200													24.0
26.0	48.5	73.3	23 300	57.1	75.9	21 300	61.8	76.9	20 000													26.0
28.0	43.8	71.3	21 400	52.9	74.5	19 400	57.8	75.7	18 200													28.0
30.0	38.6	69.1	19 600	48.5	72.9	17 800	53.7	74.4	16 700													30.0
32.0	32.8	66.3	18 100	43.7	70.9	16 400	49.3	72.8	15 300	57.6	74.7	13 700										32.0
34.0	25.8	62.7	16 700	38.5	68.6	15 100	44.6	70.9	14 200	53.4	73.4	12 600										34.0
36.0	16.2	57.5	15 500	32.7	65.9	14 000	39.5	68.7	13 200	49.0	71.8	11 700										36.0
38.0				25.7	62.3	13 100	33.8	66.0	12 200	44.3	69.9	10 900	53.0	72.0	9 500							38.0
40.0				16.0	57.0	12 200	27.0	62.6	11 400	39.2	67.6	10 100	48.6	70.3	8 900							40.0
42.0							18.1	57.8	10 700	33.4	64.9	9 500	43.8	68.4	8 300							42.0
44.0										26.6	61.5	8 900	38.6	66.1	7 700	47.8	68.4	6 600				44.0
46.0										17.5	56.5	8 300	32.8	63.3	7 200	43.0	66.5	6 200				46.0
48.0													25.8	59.8	6 800	37.7	64.1	5 800				48.0
50.0													16.2	54.5	6 400	31.7	61.2	5 400	41.7	64.0	4 500	50.0
52.0																24.4	57.5	5 000	36.3	61.6	4 200	52.0
54.0																14.0	51.7	4 700	30.0	58.5	3 900	54.0
56.0																			22.3	54.4	3 600	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.3	83.3	25 200 *b																			13.7
14.0	73.8	83.3	25 100 *b																			14.0
16.0	70.5	82.6	24 400 *b																			16.0
18.0	67.2	81.8	23 900 *																			18.0
20.0	63.7	80.9	23 000 *	70.5	82.2	24 800 *b																20.0
22.0	60.2	79.9	21 900 *	67.1	81.5	24 300 *																22.0
24.0	56.5	78.6	20 800 *	63.7	80.5	23 200																24.0
26.0	52.6	77.2	19 800 *	60.1	79.5	21 200	64.3	80.3	19 900													26.0
28.0	48.6	75.6	18 900 *	56.4	78.2	19 300	60.8	79.3	18 100													28.0
30.0	44.3	73.7	18 000 *	52.6	76.8	17 600	57.1	78.1	16 500													30.0
32.0	39.6	71.4	17 200 *	48.5	75.2	16 200	53.3	76.7	15 200	60.6	78.3	13 500										32.0
34.0	34.4	68.8	16 500	44.2	73.3	15 000	49.3	75.1	14 000	56.9	77.1	12 500										34.0
36.0	28.3	65.5	15 400	39.5	71.0	13 900	45.0	73.2	13 000	53.1	75.7	11 500										36.0
38.0	20.8	61.1	14 400	34.3	68.4	13 000	40.4	71.1	12 100	49.0	74.1	10 700										38.0
40.0				28.2	65.1	12 100	35.3	68.5	11 300	44.7	72.2	10 000	52.6	74.3	8 700							40.0
42.0				20.7	60.7	11 300	29.4	65.3	10 600	40.1	70.0	9 300	48.6	72.6	8 100							42.0
44.0				8.0	52.8	10 600	22.2	61.2	9 900	34.9	67.4	8 700	44.3	70.7	7 600							44.0
46.0										29.0	64.2	8 200	39.6	68.5	7 100	47.9	70.7	6 000				46.0
48.0										21.7	60.0	7 700	34.4	65.8	6 600	43.5	68.8	5 600				48.0
50.0										10.4	53.0	7 200	28.3	62.5	6 200	38.7	66.5	5 200				50.0
52.0													20.8	58.2	5 800	33.4	63.7	4 900	42.4	66.4	4 000	52.0
54.0																27.2	60.3	4 600	37.5	64.0	3 700	54.0
56.0																19.2	55.7	4 300	32.0	61.1	3 500	56.0
58.0																			25.5	57.4	3 200	58.0
60.0																			16.8	52.3	3 000	60.0

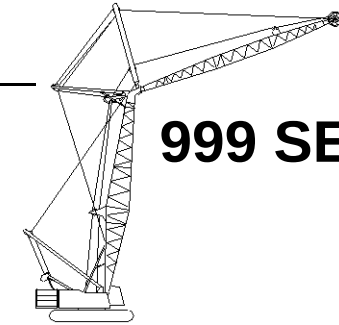
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

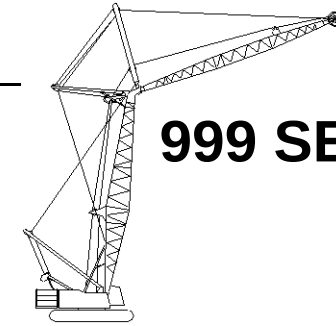
45.7m (150 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	86.5	23 500 *b																			13.7
14.0	75.1	86.4	23 500 *b																			14.0
16.0	72.1	85.8	22 900 *b																			16.0
18.0	69.0	85.1	22 300 *																			18.0
20.0	65.9	84.3	21 300 *																			20.0
22.0	62.7	83.3	20 300 *	69.0	84.7	22 400 *																22.0
24.0	59.4	82.2	19 300 *	65.8	83.9	21 500 *																24.0
26.0	55.9	81.0	18 400 *	62.6	82.9	20 500	66.4	83.7	19 700													26.0
28.0	52.4	79.5	17 500 *	59.3	81.8	19 200	63.2	82.7	17 900													28.0
30.0	48.6	77.9	16 700 *	55.9	80.6	17 500	59.9	81.7	16 400													30.0
32.0	44.6	76.0	15 900 *	52.3	79.1	16 100	56.5	80.4	15 100	63.0	81.8	13 400										32.0
34.0	40.4	73.8	15 200 *	48.6	77.5	14 900	53.0	79.0	13 900	59.7	80.7	12 300										34.0
36.0	35.7	71.2	14 500 *	44.6	75.6	13 800	49.3	77.4	12 900	56.3	79.4	11 400										36.0
38.0	30.3	68.1	13 900 *	40.3	73.4	12 900	45.3	75.5	12 000	52.8	78.0	10 600										38.0
40.0	24.0	64.3	13 200 *	35.6	70.8	12 000	41.1	73.4	11 200	49.0	76.4	9 800	55.9	78.0	8 500							40.0
42.0	15.4	58.7	12 400 *	30.3	67.7	11 300	36.5	70.9	10 500	45.1	74.5	9 200	52.4	76.6	8 000							42.0
44.0				23.9	63.8	10 500	31.3	67.9	9 800	40.8	72.4	8 600	48.6	74.9	7 400							44.0
46.0				15.3	58.2	9 900	25.2	64.2	9 200	36.2	69.8	8 100	44.6	73.0	7 000	51.7	74.7	5 800				46.0
48.0							17.2	59.1	8 700	31.0	66.8	7 600	40.4	70.8	6 500	48.0	73.0	5 500				48.0
50.0										24.8	63.0	7 100	35.7	68.3	6 100	43.9	71.1	5 100				50.0
52.0										16.6	57.7	6 700	30.3	65.2	5 700	39.6	68.9	4 800	47.0	70.7	3 900	52.0
54.0													24.0	61.3	5 400	34.8	66.2	4 500	42.9	68.7	3 600	54.0
56.0													15.4	55.7	5 100	29.4	63.0	4 200	38.5	66.4	3 400	56.0
58.0																22.8	59.0	3 900	33.6	63.6	3 100	58.0
60.0																13.5	52.8	3 600	27.9	60.2	2 900	60.0
62.0																			20.9	55.8	2 700	62.0
64.0																			10.0	48.6	2 400	64.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.5	89.2	21 500 *																			15.2
16.0	73.4	89.0	21 400 *																			16.0
18.0	70.6	88.4	20 600 *																			18.0
20.0	67.7	87.6	19 600 *																			20.0
22.0	64.8	86.7	18 600 *																			22.0
24.0	61.8	85.7	17 700 *	67.7	87.2	19 700 *																24.0
26.0	58.7	84.6	16 800 *	64.7	86.3	18 800 *																26.0
28.0	55.5	83.3	15 900 *	61.7	85.3	17 900 *	65.3	86.1	17 800													28.0
30.0	52.1	81.8	15 100 *	58.6	84.2	17 000 *	62.3	85.1	16 200													30.0
32.0	48.6	80.2	14 400 *	55.4	82.9	16 000	59.2	84.0	14 900													32.0
34.0	45.0	78.3	13 700 *	52.1	81.4	14 800	56.0	82.7	13 800	62.1	84.1	12 200										34.0
36.0	41.0	76.1	13 000 *	48.6	79.8	13 700	52.7	81.3	12 800	59.0	83.0	11 200										36.0
38.0	36.7	73.7	12 400 *	44.9	77.9	12 700	49.2	79.7	11 900	55.8	81.7	10 400										38.0
40.0	32.0	70.7	11 800 *	41.0	75.7	11 900	45.6	77.8	11 100	52.5	80.3	9 700										40.0
42.0	26.5	67.2	11 200 *	36.7	73.2	11 100	41.7	75.8	10 400	49.0	78.7	9 100	55.5	80.3	7 800							42.0
44.0	19.6	62.5	10 800 *	31.9	70.3	10 400	37.5	73.3	9 700	45.4	76.8	8 400	52.1	78.9	7 300							44.0
46.0				26.4	66.7	9 800	32.8	70.5	9 100	41.5	74.7	7 900	48.6	77.2	6 800							46.0
48.0				19.5	62.0	9 200	27.5	67.0	8 500	37.2	72.3	7 400	45.0	75.3	6 400	51.6	77.0	5 300				48.0
50.0				8.3	53.9	8 600	20.9	62.6	8 000	32.5	69.4	7 000	41.0	73.2	6 000	48.0	75.3	4 900				50.0
52.0										27.1	65.9	6 600	36.7	70.7	5 600	44.3	73.4	4 600				52.0
54.0										20.5	61.4	6 200	32.0	67.8	5 200	40.3	71.2	4 300				54.0
56.0										10.3	54.1	5 800	26.5	64.2	4 900	36.0	68.7	4 000	43.4	71.0	3 200	56.0
58.0													19.6	59.5	4 600	31.1	65.7	3 700	39.3	68.7	2 900	58.0
60.0																25.4	61.9	3 500	34.8	66.1	2 700	60.0
62.0																18.2	56.9	3 300	29.8	62.9	2 500	62.0
64.0																4.6	47.1	3 000	23.9	59.0	2 300	64.0
66.0																			16.0	53.5	2 100	66.0

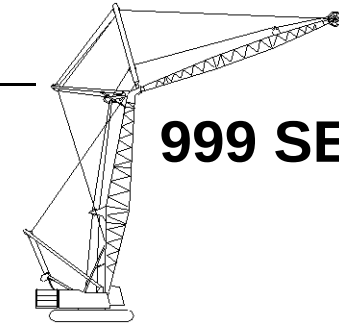
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

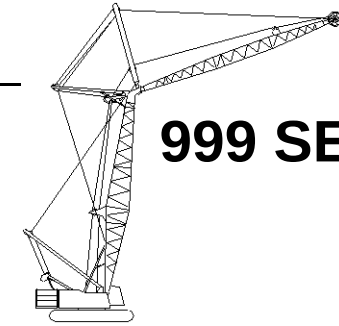
45.7m (150 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	92.4	20 100 *																			15.2
16.0	74.5	92.2	19 800 *																			16.0
18.0	71.9	91.6	19 000 *																			18.0
20.0	69.3	90.9	18 100 *																			20.0
22.0	66.5	90.1	17 200 *																			22.0
24.0	63.8	89.1	16 300 *	69.2	90.5	18 200 *																24.0
26.0	61.0	88.1	15 500 *	66.5	89.7	17 300 *																26.0
28.0	58.0	86.9	14 600 *	63.7	88.8	16 500 *	67.0	89.5	17 300													28.0
30.0	55.0	85.6	13 900 *	60.9	87.7	15 700 *	64.3	88.5	16 300													30.0
32.0	51.9	84.1	13 200 *	58.0	86.5	14 800 *	61.4	87.5	14 900													32.0
34.0	48.7	82.5	12 400 *	55.0	85.2	14 100 *	58.5	86.4	13 700													34.0
36.0	45.2	80.6	11 700 *	51.9	83.7	13 300 *	55.6	85.1	12 700	61.3	86.5	11 200										36.0
38.0	41.6	78.5	11 100 *	48.6	82.1	12 600 *	52.5	83.6	11 800	58.4	85.4	10 400										38.0
40.0	37.7	76.1	10 500 *	45.2	80.2	11 900	49.2	82.0	11 000	55.4	84.1	9 700										40.0
42.0	33.3	73.3	10 000 *	41.5	78.1	11 100	45.8	80.2	10 300	52.3	82.6	9 000										42.0
44.0	28.5	69.9	9 500 *	37.6	75.7	10 400	42.2	78.1	9 700	49.0	81.0	8 400	55.0	82.7	7 200							44.0
46.0	22.6	65.7	9 000 *	33.3	72.8	9 800	38.3	75.7	9 100	45.6	79.1	7 900	51.9	81.2	6 700							46.0
48.0	14.8	59.8	8 600 *	28.4	69.5	9 200	34.1	73.0	8 500	42.0	77.0	7 400	48.7	79.5	6 300							48.0
50.0				22.6	65.3	8 600	29.3	69.8	8 000	38.1	74.7	6 900	45.2	77.7	5 900							50.0
52.0				14.7	59.4	8 200	23.7	65.7	7 600	33.8	71.9	6 500	41.6	75.5	5 500	48.1	77.6	4 500				52.0
54.0							16.4	60.3	7 100	29.0	68.6	6 200	37.7	73.1	5 200	44.6	75.7	4 300				54.0
56.0										23.3	64.6	5 800	33.3	70.3	4 900	40.9	73.6	4 000				56.0
58.0										15.9	58.9	5 500	28.5	67.0	4 600	37.0	71.1	3 700	43.8	73.3	2 900	58.0
60.0													22.6	62.8	4 300	32.6	68.2	3 500	40.0	71.1	2 700	60.0
62.0													14.8	56.9	4 000	27.6	64.8	3 300	35.9	68.5	2 500	62.0
64.0																21.5	60.4	3 000	31.4	65.5	2 300	64.0
66.0																13.1	54.0	2 800	26.2	61.9	2 100	66.0
68.0																			19.8	57.2	2 000	68.0
70.0																			10.0	49.7	1 800	70.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.6	95.1	18 000 *																			16.8
18.0	73.1	94.8	17 500 *																			18.0
20.0	70.6	94.1	16 600 *																			20.0
22.0	68.1	93.4	15 700 *																			22.0
24.0	65.5	92.5	14 900 *																			24.0
26.0	62.9	91.6	14 100 *	68.1	93.0	15 800 *																26.0
28.0	60.3	90.5	13 300 *	65.5	92.1	15 000 *																28.0
30.0	57.5	89.3	12 500 *	62.9	91.2	14 200 *	66.0	91.9	15 100 *													30.0
32.0	54.7	87.9	11 800 *	60.2	90.1	13 400 *	63.4	91.0	14 300 *													32.0
34.0	51.7	86.4	11 100 *	57.5	88.9	12 700 *	60.7	89.9	13 500													34.0
36.0	48.7	84.8	10 500 *	54.6	87.5	11 900 *	58.0	88.7	12 600													36.0
38.0	45.5	82.9	9 800 *	51.7	86.0	11 300 *	55.2	87.4	11 700	60.5	88.9	10 200										38.0
40.0	42.1	80.8	9 200 *	48.6	84.4	10 600 *	52.2	85.9	10 900	57.8	87.7	9 500										40.0
42.0	38.4	78.5	8 700 *	45.4	82.5	10 000 *	49.2	84.3	10 200	55.0	86.4	8 800										42.0
44.0	34.5	75.7	8 200 *	42.0	80.4	9 400 *	46.0	82.5	9 500	52.1	84.9	8 300										44.0
46.0	30.1	72.6	7 700 *	38.4	78.0	8 800 *	42.7	80.4	8 900	49.0	83.3	7 700	54.7	85.0	6 600							46.0
48.0	25.0	68.7	7 300 *	34.4	75.3	8 300 *	39.1	78.1	8 400	45.8	81.4	7 300	51.7	83.5	6 100							48.0
50.0	18.7	63.8	6 900 *	30.0	72.2	7 800 *	35.2	75.5	7 900	42.5	79.4	6 800	48.7	81.8	5 700							50.0
52.0				24.9	68.3	7 300 *	30.9	72.4	7 400	38.8	77.0	6 400	45.5	80.0	5 400	51.2	81.6	4 400				52.0
54.0				18.6	63.3	6 900 *	25.9	68.7	7 000	34.9	74.4	6 000	42.1	77.9	5 000	48.2	79.9	4 100				54.0
56.0				8.6	55.0	6 600 *	19.9	64.0	6 600	30.6	71.3	5 700	38.4	75.5	4 700	44.9	78.0	3 800				56.0
58.0										25.6	67.5	5 300	34.5	72.8	4 400	41.5	75.9	3 600	47.4	77.6	2 700	58.0
60.0										19.5	62.7	5 000	30.1	69.6	4 100	37.8	73.5	3 300	44.1	75.6	2 500	60.0
62.0										10.3	55.2	4 700	25.0	65.8	3 900	33.8	70.7	3 100	40.6	73.5	2 300	62.0
64.0													18.7	60.8	3 700	29.3	67.5	2 900	36.9	71.0	2 100	64.0
66.0																24.1	63.5	2 700	32.7	68.1	1 900	66.0
68.0																17.4	58.2	2 500				68.0
70.0																5.6	48.4	2 300				70.0

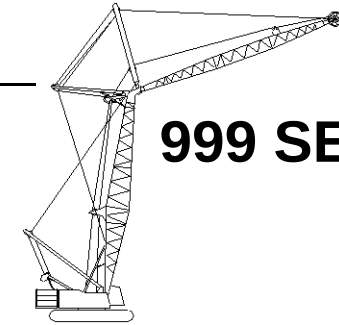
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

45.7m (150 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.5	98.3	16 600 *																			16.8
18.0	74.1	98.0	16 100 *																			18.0
20.0	71.8	97.3	15 300 *																			20.0
22.0	69.4	96.6	14 500 *																			22.0
24.0	67.1	95.8	13 700 *																			24.0
26.0	64.6	94.9	12 900 *	69.4	96.3	14 500 *																26.0
28.0	62.2	93.9	12 200 *	67.0	95.5	13 800 *																28.0
30.0	59.6	92.8	11 500 *	64.6	94.6	13 000 *																30.0
32.0	57.0	91.6	10 700 *	62.1	93.6	12 300 *	65.0	94.3	13 100 *													32.0
34.0	54.4	90.2	10 100 *	59.6	92.4	11 600 *	62.6	93.4	12 400 *													34.0
36.0	51.6	88.7	9 500 *	57.0	91.2	10 900 *	60.1	92.3	11 700 *													36.0
38.0	48.7	87.1	8 900 *	54.3	89.8	10 200 *	57.5	91.1	11 000 *													38.0
40.0	45.7	85.2	8 300 *	51.5	88.3	9 600 *	54.8	89.7	10 400 *	59.9	91.3	9 300										40.0
42.0	42.5	83.1	7 800 *	48.7	86.7	8 900 *	52.1	88.2	9 700 *	57.3	90.1	8 700										42.0
44.0	39.1	80.8	7 300 *	45.6	84.8	8 400 *	49.2	86.6	9 100 *	54.6	88.7	8 100										44.0
46.0	35.5	78.2	6 800 *	42.5	82.7	7 900 *	46.2	84.8	8 500 *	51.9	87.2	7 600	57.0	88.7	6 400							46.0
48.0	31.5	75.2	6 300 *	39.1	80.4	7 300 *	43.1	82.7	8 000 *	49.0	85.6	7 100	54.4	87.3	6 000							48.0
50.0	26.9	71.6	5 900 *	35.4	77.8	6 900 *	39.7	80.5	7 500 *	46.0	83.7	6 700	51.6	85.8	5 600							50.0
52.0	21.5	67.2	5 400 *	31.4	74.8	6 400 *	36.1	77.9	7 000 *	42.9	81.7	6 300	48.7	84.1	5 200							52.0
54.0	14.4	61.0	5 000 *	26.9	71.2	6 000 *	32.2	75.0	6 500 *	39.5	79.4	5 900	45.7	82.3	4 900	51.1	83.9	4 000				54.0
56.0				21.5	66.7	5 500 *	27.7	71.5	6 100 *	35.9	76.8	5 600	42.5	80.2	4 600	48.2	82.2	3 700				56.0
58.0				14.2	60.5	5 000 *	22.5	67.2	5 600 *	31.9	73.8	5 200	39.1	77.9	4 300	45.2	80.4	3 400				58.0
60.0							15.8	61.5	5 100 *	27.5	70.3	4 900	35.5	75.3	4 100	42.0	78.2	3 200				60.0
62.0										22.2	66.0	4 600	31.5	72.2	3 800	38.5	75.9	3 000	44.4	78.0	2 200	62.0
64.0										15.3	60.1	4 400	26.9	68.7	3 600	34.8	73.2	2 800	41.1	75.8	2 000	64.0
66.0													21.5	64.2	3 300	30.7	70.1	2 600				66.0
68.0													14.4	58.0	3 100	26.1	66.4	2 400				68.0
70.0																20.5	61.8	2 200				70.0
72.0																12.8	55.1	2 000				72.0

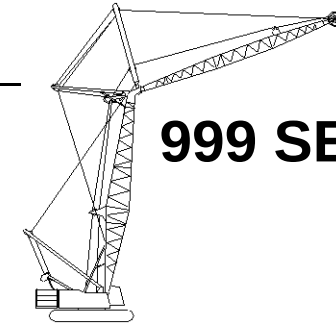
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

48.8m (160 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	57.9	69.3	40 700 *b																			15.2
16.0	55.5	68.8	40 000 *b																			16.0
18.0	48.7	67.2	37 400																			18.0
20.0	41.1	65.2	32 900	56.3	68.5	29 900 b																20.0
22.0	32.0	62.5	29 200	49.5	67.0	26 500 b	57.9	68.4	24 900 b													22.0
24.0	19.7	58.4	25 300	42.0	65.1	23 700	51.3	67.0	22 300 b													24.0
26.0				33.2	62.5	21 400	44.1	65.2	20 100	58.4	67.6	18 000 b										26.0
28.0				21.5	58.6	19 500	35.7	62.8	18 300	51.8	66.2	16 300 b										28.0
30.0							25.0	59.4	16 800	44.6	64.4	14 900										30.0
32.0										36.3	62.0	13 700	51.9	64.9	12 100 b							32.0
34.0										25.9	58.7	12 700	44.8	63.1	11 100							34.0
36.0													36.5	60.7	10 300							36.0
38.0													26.2	57.5	9 500	44.4	61.3	8 200				38.0
40.0																36.1	58.9	7 600				40.0
42.0																25.6	55.6	7 100	43.4	59.0	5 900	42.0
44.0																			34.9	56.6	5 500	44.0
46.0																			24.0	53.0	5 100	46.0

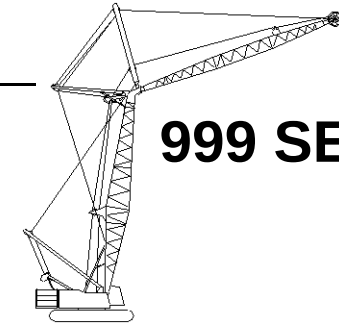
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

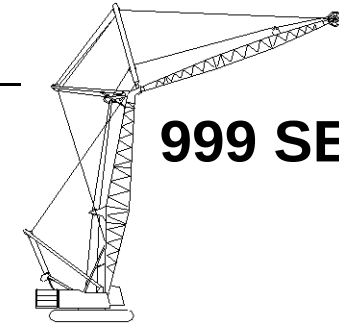
48.8m (160 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.3	73.5	39 100 *b																			13.7
14.0	65.6	73.4	38 800 *b																			14.0
16.0	60.3	72.4	37 000 *b																			16.0
18.0	54.7	71.1	35 200 *																			18.0
20.0	48.7	69.5	32 900	60.9	72.1	29 800 b																20.0
22.0	42.1	67.5	29 100	55.4	70.8	26 300 b	62.3	72.0	24 800 b													22.0
24.0	34.5	65.0	26 100	49.5	69.3	23 600	56.9	70.8	22 100 b													24.0
26.0	25.1	61.5	23 500	42.9	67.4	21 400	51.0	69.3	20 000	62.7	71.1	17 700 b										26.0
28.0				35.5	64.9	19 400	44.7	67.5	18 200	57.2	69.9	16 200 b										28.0
30.0				26.3	61.6	17 800	37.6	65.2	16 600	51.5	68.5	14 800										30.0
32.0				12.0	55.8	16 300	29.0	62.2	15 300	45.2	66.7	13 600	57.4	68.6	11 800 b							32.0
34.0										38.1	64.4	12 500	51.6	67.2	10 900							34.0
36.0										29.6	61.5	11 600	45.3	65.4	10 100							36.0
38.0										18.0	56.9	10 700	38.2	63.1	9 400							38.0
40.0													29.8	60.2	8 700	45.0	63.6	7 400				40.0
42.0													18.3	55.7	8 100	37.9	61.3	6 900				42.0
44.0																29.4	58.3	6 400				44.0
46.0																			36.9	59.0	4 900	46.0
48.0																			28.2	55.9	4 600	48.0
50.0																			15.5	50.9	4 300	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

48.8m (160 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.1	76.8	35 500 *b																			13.7
14.0	68.4	76.7	35 300 *b																			14.0
16.0	63.9	75.8	33 500 *b																			16.0
18.0	59.1	74.7	31 800 *																			18.0
20.0	54.1	73.4	30 300 *	64.4	75.5	29 700 b																20.0
22.0	48.7	71.8	28 700	59.7	74.5	26 300 b	65.6	75.3	24 600 b													22.0
24.0	42.9	69.9	26 100	54.7	73.2	23 500	60.9	74.3	22 000													24.0
26.0	36.4	67.4	23 600	49.4	71.6	21 300	56.0	73.1	19 900													26.0
28.0	28.6	64.3	21 500	43.6	69.7	19 400	50.8	71.6	18 100	61.3	73.4	16 000 b										28.0
30.0	18.0	59.7	19 500	37.2	67.4	17 700	45.2	69.8	16 600	56.4	72.2	14 700										30.0
32.0				29.6	64.3	16 300	39.0	67.6	15 200	51.2	70.8	13 500										32.0
34.0				19.5	60.0	15 100				45.6	69.0	12 500	56.5	70.9	10 800							34.0
36.0							31.7	64.8	14 100	39.4	66.8	11 500	51.3	69.5	10 000							36.0
38.0							22.6	60.9	13 100	32.3	64.0	10 700	45.7	67.7	9 300							38.0
40.0										23.3	60.2	10 000	39.6	65.5	8 600	51.1	67.7	7 300				40.0
42.0													32.4	62.8	8 000	45.5	65.9	6 800				42.0
44.0													23.5	59.0	7 500	39.2	63.7	6 300				44.0
46.0																32.1	60.9	5 900	44.7	63.6	4 800	46.0
48.0																23.0	57.1	5 500	38.4	61.4	4 500	48.0
50.0																			31.1	58.5	4 200	50.0
52.0																			21.6	54.5	3 900	52.0

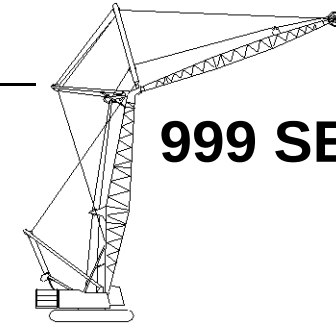
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

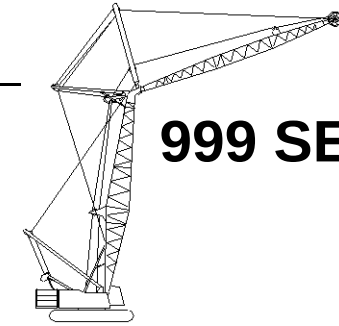
48.8m (160 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.2	80.0	32 900 *b																			13.7
14.0	70.7	79.9	32 700 *b																			14.0
16.0	66.6	79.2	31 200 *b																			16.0
18.0	62.5	78.2	29 600 *																			18.0
20.0	58.1	77.1	28 100 *	67.1	78.9	29 500 b																20.0
22.0	53.6	75.7	26 700 *	63.0	77.9	26 100																22.0
24.0	48.8	74.1	25 400 *	58.7	76.8	23 400	64.1	77.8	21 900													24.0
26.0	43.6	72.2	23 500	54.1	75.5	21 100	59.8	76.7	19 700													26.0
28.0	37.8	69.8	21 400	49.4	73.9	19 200	55.3	75.4	17 900													28.0
30.0	31.1	66.9	19 600	44.2	72.0	17 600	50.6	73.9	16 400	60.1	75.8	14 500										30.0
32.0	22.8	63.0	18 000	38.5	69.8	16 200	45.6	72.1	15 100	55.7	74.6	13 300										32.0
34.0				32.0	66.9	15 000	40.0	70.0	14 000	51.0	73.1	12 300										34.0
36.0				24.0	63.2	13 900	33.8	67.3	12 900	46.0	71.3	11 400	55.8	73.2	9 800							36.0
38.0				11.7	56.9	12 900	26.3	63.9	12 000	40.5	69.2	10 600	51.1	71.8	9 100							38.0
40.0										34.3	66.5	9 800	46.1	70.0	8 500							40.0
42.0										26.9	63.2	9 200	40.6	67.9	7 900	50.8	70.0	6 600				42.0
44.0										16.7	58.2	8 600	34.4	65.3	7 400	45.8	68.2	6 200				44.0
46.0													27.0	61.9	6 900	40.3	66.1	5 700				46.0
48.0													17.0	57.0	6 400	34.1	63.4	5 300	45.1	66.0	4 300	48.0
50.0																26.6	60.0	5 000	39.6	63.8	4 000	50.0
52.0																			33.2	61.1	3 700	52.0
54.0																			25.6	57.5	3 500	54.0
56.0																			14.6	52.0	3 200	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

48.8m (160 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.0	83.2	30 400 *b																			13.7
14.0	72.5	83.1	30 300 *b																			14.0
16.0	68.9	82.4	29 300 *b																			16.0
18.0	65.2	81.6	28 000 *																			18.0
20.0	61.3	80.6	26 800 *	69.3	82.1	29 500 b																20.0
22.0	57.3	79.4	25 600 *	65.6	81.3	26 100																22.0
24.0	53.2	78.0	24 400 *	61.8	80.3	23 400																24.0
26.0	48.8	76.4	23 300	57.8	79.2	21 100	62.8	80.2	19 700													26.0
28.0	44.1	74.5	21 400	53.7	77.8	19 200	58.9	79.1	17 900													28.0
30.0	38.9	72.2	19 600	49.3	76.2	17 600	54.8	77.8	16 400													30.0
32.0	33.1	69.5	18 100	44.7	74.3	16 200	50.5	76.2	15 100	59.2	78.2	13 300										32.0
34.0	26.2	66.0	16 700	39.6	72.1	15 000	45.9	74.4	13 900	55.1	76.9	12 200										34.0
36.0	16.8	60.9	15 500	33.8	69.4	13 900	40.9	72.3	13 000	50.8	75.4	11 300										36.0
38.0				27.1	66.0	12 900	35.4	69.8	12 100	46.2	73.6	10 600										38.0
40.0				18.2	61.2	12 100	29.0	66.6	11 200	41.3	71.5	9 800	50.9	74.1	8 500							40.0
42.0							20.9	62.3	10 500	35.8	69.0	9 200	46.3	72.3	7 900							42.0
44.0										29.5	65.9	8 600	41.4	70.2	7 400							44.0
46.0										21.5	61.7	8 000	35.9	67.7	6 900	46.1	70.5	5 700				46.0
48.0													29.6	64.6	6 500	41.2	68.4	5 300				48.0
50.0													21.7	60.4	6 000	35.7	65.9	5 000				50.0
52.0																29.3	62.8	4 700	40.5	66.1	3 700	52.0
54.0																21.3	58.5	4 400	34.9	63.5	3 500	54.0
56.0																			28.4	60.3	3 200	56.0
58.0																			20.0	55.8	3 000	58.0

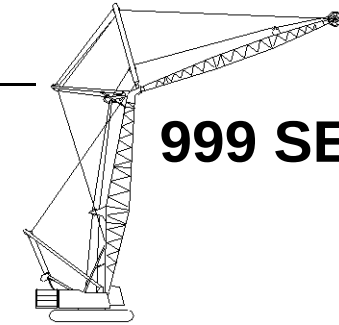
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

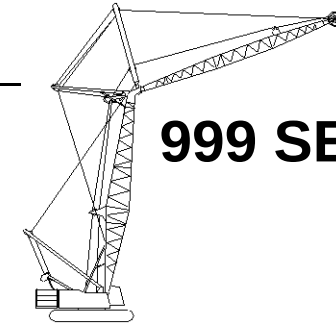
48.8m (160 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.5	86.4	24 800 *b																			13.7
14.0	74.0	86.3	24 700 *b																			14.0
16.0	70.7	85.7	24 100 *b																			16.0
18.0	67.3	84.9	23 500 *																			18.0
20.0	63.9	84.0	23 000 *																			20.0
22.0	60.4	83.0	21 900 *	67.7	84.6	24 100 *																22.0
24.0	56.7	81.7	20 800 *	64.3	83.7	23 100																24.0
26.0	52.8	80.3	19 900 *	60.8	82.7	20 900	65.2	83.6	19 500													26.0
28.0	48.8	78.7	18 900 *	57.1	81.5	19 100	61.7	82.6	17 800													28.0
30.0	44.5	76.8	18 100 *	53.3	80.1	17 500	58.1	81.4	16 200													30.0
32.0	39.8	74.6	17 300 *	49.3	78.5	16 100	54.3	80.1	14 900	62.0	81.7	13 100										32.0
34.0	34.7	72.0	16 300 *	45.0	76.7	14 900	50.4	78.5	13 800	58.4	80.5	12 100										34.0
36.0	28.7	68.7	15 200 *	40.4	74.5	13 800	46.2	76.8	12 800	54.6	79.2	11 200										36.0
38.0	21.3	64.4	14 300 *	35.3	71.9	12 800	41.6	74.7	11 900	50.6	77.7	10 400										38.0
40.0				29.4	68.8	12 000	36.7	72.2	11 100	46.5	75.9	9 700	54.7	77.9	8 300							40.0
42.0				22.3	64.6	11 200	31.1	69.2	10 400	42.0	73.9	9 000	50.7	76.4	7 700							42.0
44.0				11.4	58.0	10 500	24.3	65.4	9 700	37.1	71.4	8 400	46.6	74.6	7 200							44.0
46.0										31.5	68.5	7 900	42.1	72.6	6 700	50.5	74.6	5 500				46.0
48.0										24.8	64.8	7 400	37.2	70.1	6 300	46.4	72.8	5 200				48.0
50.0										15.8	59.4	7 000	31.6	67.2	5 900	41.9	70.8	4 800				50.0
52.0													25.0	63.5	5 500	36.9	68.3	4 500	45.8	70.6	3 500	52.0
54.0													16.0	58.2	5 200	31.3	65.4	4 200	41.3	68.5	3 300	54.0
56.0																24.6	61.6	3 900	36.2	66.0	3 000	56.0
58.0																			30.6	62.9	2 800	58.0
60.0																			23.7	59.0	2 600	60.0
62.0																			13.9	53.2	2 400	62.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

48.8m (160 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.7	89.6	23 200 *b																			13.7
14.0	75.2	89.5	23 100 *b																			14.0
16.0	72.2	88.9	22 600 *b																			16.0
18.0	69.2	88.2	22 100 *																			18.0
20.0	66.0	87.4	21 200 *																			20.0
22.0	62.8	86.4	20 200 *	69.5	87.9	22 300 *																22.0
24.0	59.5	85.3	19 300 *	66.4	87.1	21 500 *																24.0
26.0	56.1	84.1	18 400 *	63.2	86.2	20 600	67.2	86.9	19 400													26.0
28.0	52.6	82.6	17 500 *	59.9	85.1	19 000	64.1	86.0	17 600													28.0
30.0	48.8	81.0	16 700 *	56.5	83.8	17 300	60.8	85.0	16 100													30.0
32.0	44.9	79.1	15 900 *	53.0	82.4	16 000	57.4	83.8	14 800													32.0
34.0	40.6	77.0	15 200 *	49.3	80.8	14 700	53.9	82.4	13 700	61.0	84.1	11 900										34.0
36.0	35.9	74.4	14 500 *	45.3	79.0	13 700	50.3	80.8	12 700	57.7	82.9	11 000										36.0
38.0	30.6	71.4	13 800 *	41.1	76.8	12 700	46.4	79.1	11 800	54.2	81.5	10 200										38.0
40.0	24.4	67.5	13 000 *	36.5	74.3	11 900	42.2	77.0	11 000	50.5	80.0	9 500										40.0
42.0	16.0	62.1	12 300 *	31.3	71.4	11 100	37.7	74.6	10 300	46.7	78.2	8 900	54.2	80.2	7 600							42.0
44.0				25.2	67.7	10 400	32.7	71.8	9 600	42.5	76.2	8 300	50.6	78.7	7 100							44.0
46.0				17.2	62.5	9 800	26.9	68.3	9 000	38.1	73.8	7 800	46.7	76.9	6 600							46.0
48.0							19.6	63.6	8 500	33.1	71.0	7 300	42.6	74.9	6 200	50.4	76.9	5 000				48.0
50.0										27.4	67.6	6 900	38.2	72.5	5 800	46.6	75.1	4 700				50.0
52.0										20.2	63.1	6 500	33.2	69.8	5 400	42.4	73.1	4 400				52.0
54.0													27.5	66.3	5 100	38.0	70.7	4 100	46.1	72.9	3 100	54.0
56.0													20.3	61.8	4 800	33.0	67.9	3 800	41.9	70.8	2 900	56.0
58.0																27.2	64.5	3 600	37.4	68.4	2 700	58.0
60.0																20.0	59.9	3 300	32.3	65.5	2 500	60.0
62.0																			26.4	62.0	2 300	62.0
64.0																			18.9	57.2	2 100	64.0

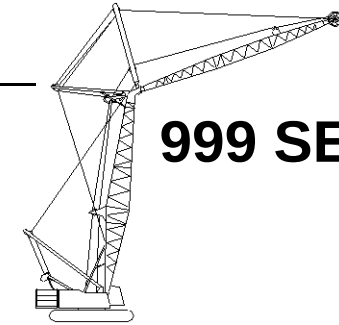
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

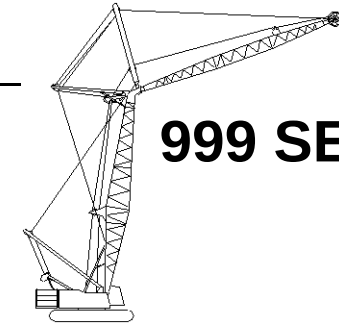
48.8m (160 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	92.3	21 200 *b																			15.2
16.0	73.5	92.1	21 100 *b																			16.0
18.0	70.7	91.5	20 400 *																			18.0
20.0	67.9	90.7	19 500 *																			20.0
22.0	64.9	89.8	18 600 *																			22.0
24.0	61.9	88.8	17 700 *	68.2	90.4	19 800 *																24.0
26.0	58.8	87.7	16 800 *	65.3	89.5	18 900 *																26.0
28.0	55.6	86.4	16 000 *	62.3	88.6	18 000 *	66.0	89.4	17 500													28.0
30.0	52.3	84.9	15 200 *	59.2	87.4	17 100	63.1	88.4	16 000													30.0
32.0	48.8	83.3	14 400 *	56.0	86.2	15 800	60.0	87.3	14 600													32.0
34.0	45.2	81.4	13 700 *	52.7	84.7	14 600	56.9	86.1	13 500													34.0
36.0	41.2	79.3	13 000 *	49.3	83.1	13 500	53.6	84.7	12 600	60.2	86.4	10 900										36.0
38.0	37.0	76.8	12 400 *	45.6	81.3	12 600	50.2	83.1	11 700	57.1	85.2	10 100										38.0
40.0	32.3	73.9	11 800 *	41.7	79.2	11 800	46.6	81.4	10 900	53.8	83.8	9 400										40.0
42.0	26.8	70.4	11 300 *	37.5	76.8	11 000	42.8	79.3	10 100	50.4	82.3	8 800										42.0
44.0	20.0	65.8	10 800 *	32.8	73.9	10 300	38.6	77.0	9 500	46.8	80.5	8 200	53.9	82.5	6 900							44.0
46.0				27.5	70.5	9 700	34.1	74.3	8 900	43.0	78.5	7 600	50.5	81.0	6 400							46.0
48.0				20.9	66.0	9 100	29.0	71.0	8 400	38.9	76.2	7 200	46.9	79.2	6 000							48.0
50.0				11.3	59.1	8 600	22.8	66.9	7 900	34.4	73.5	6 700	43.1	77.2	5 600	50.3	79.2	4 500				50.0
52.0										29.4	70.3	6 400	39.0	74.9	5 300	46.7	77.4	4 200				52.0
54.0										23.3	66.3	6 000	34.5	72.2	4 900	42.9	75.4	3 900				54.0
56.0										15.1	60.5	5 600	29.5	69.0	4 600	38.8	73.1	3 600				56.0
58.0													23.4	65.0	4 300	34.3	70.4	3 400	42.4	73.1	2 500	58.0
60.0													15.3	59.3	4 000	29.2	67.2	3 200	38.3	70.8	2 300	60.0
62.0																23.1	63.1	3 000	33.7	68.0	2 100	62.0
64.0																14.9	57.3	2 700	28.5	64.7	1 900	64.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

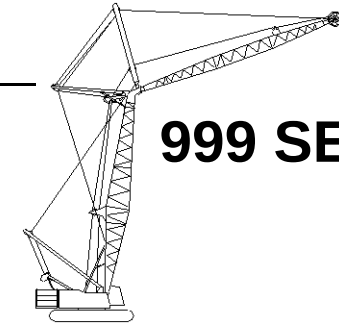
48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	95.5	19 800 *																			15.2
16.0	74.7	95.3	19 600 *																			16.0
18.0	72.1	94.7	18 900 *																			18.0
20.0	69.4	94.0	18 000 *																			20.0
22.0	66.7	93.2	17 200 *																			22.0
24.0	63.9	92.2	16 300 *																			24.0
26.0	61.1	91.2	15 500 *	67.0	92.9	17 400 *																26.0
28.0	58.2	90.0	14 600 *	64.3	92.0	16 600 *																28.0
30.0	55.2	88.7	13 900 *	61.4	90.9	15 800 *	65.0	91.8	15 900													30.0
32.0	52.1	87.2	13 200 *	58.6	89.8	15 000 *	62.2	90.8	14 600													32.0
34.0	48.8	85.6	12 400 *	55.6	88.5	14 200 *	59.3	89.7	13 500													34.0
36.0	45.4	83.7	11 800 *	52.5	87.0	13 500	56.4	88.4	12 500													36.0
38.0	41.8	81.6	11 200 *	49.2	85.4	12 600	53.3	87.0	11 600	59.5	88.8	10 000										38.0
40.0	37.9	79.2	10 600 *	45.8	83.6	11 700	50.1	85.4	10 800	56.6	87.5	9 400										40.0
42.0	33.6	76.5	10 000 *	42.2	81.5	11 000	46.7	83.7	10 100	53.5	86.1	8 700										42.0
44.0	28.7	73.2	9 500 *	38.4	79.2	10 300	43.2	81.7	9 500	50.3	84.6	8 100										44.0
46.0	23.0	69.0	9 100 *	34.1	76.4	9 700	39.4	79.4	8 900	47.0	82.8	7 600	53.6	84.8	6 400							46.0
48.0	15.4	63.3	8 700 *	29.3	73.2	9 100	35.3	76.8	8 400	43.5	80.8	7 100	50.4	83.3	6 000							48.0
50.0				23.7	69.2	8 600	30.7	73.7	7 900	39.7	78.6	6 700	47.0	81.5	5 600							50.0
52.0				16.4	63.7	8 100	25.3	69.9	7 400	35.6	76.0	6 300	43.5	79.5	5 200	50.2	81.5	4 100				52.0
54.0							18.6	64.9	7 000	31.0	72.9	6 000	39.7	77.3	4 900	46.9	79.7	3 900				54.0
56.0										25.7	69.2	5 600	35.6	74.7	4 600	43.4	77.8	3 600				56.0
58.0										19.1	64.4	5 200	31.1	71.7	4 300	39.6	75.5	3 400	46.5	77.5	2 400	58.0
60.0													25.8	68.0	4 000	35.5	72.9	3 100	42.9	75.5	2 300	60.0
62.0													19.3	63.2	3 800	30.9	69.8	2 900	39.1	73.2	2 100	62.0
64.0													9.0	55.2	3 500	25.6	66.1	2 700	34.9	70.5	1 900	64.0
66.0																18.9	61.2	2 500				66.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

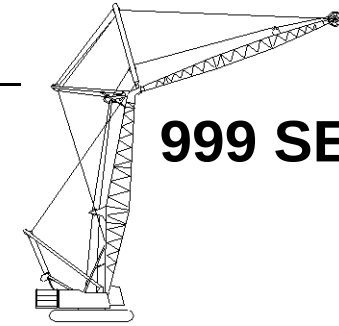
48.8m (160 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	98.2	17 900 *																16.8
18.0	73.2	97.9	17 400 *																18.0
20.0	70.7	97.2	16 500 *																20.0
22.0	68.2	96.5	15 700 *																22.0
24.0	65.7	95.6	14 900 *																24.0
26.0	63.1	94.7	14 100 *	68.5	96.2	15 800 *													26.0
28.0	60.4	93.6	13 300 *	66.0	95.3	15 100 *													28.0
30.0	57.7	92.4	12 500 *	63.4	94.4	14 300 *	66.6	95.1	15 200 *										30.0
32.0	54.8	91.0	11 800 *	60.7	93.3	13 600 *	64.1	94.2	14 500 *										32.0
34.0	51.9	89.6	11 100 *	58.0	92.1	12 800 *	61.4	93.2	13 300 *										34.0
36.0	48.9	87.9	10 500 *	55.2	90.8	12 100 *	58.7	92.0	12 300 *										36.0
38.0	45.7	86.0	9 900 *	52.3	89.3	11 400 *	55.9	90.8	11 500 *										38.0
40.0	42.3	84.0	9 300 *	49.2	87.7	10 700 *	53.0	89.3	10 600 *	58.9	91.1	9 200 *							40.0
42.0	38.6	81.6	8 700 *	46.0	85.9	10 100 *	50.0	87.7	10 000 *	56.1	89.9	8 500 *							42.0
44.0	34.7	78.9	8 200 *	42.7	83.8	9 500 *	46.9	86.0	9 300 *	53.2	88.5	8 000 *							44.0
46.0	30.3	75.8	7 700 *	39.1	81.5	8 900 *	43.6	84.0	8 800 *	50.2	86.9	7 500 *	56.2	88.6	6 200 *				46.0
48.0	25.3	72.0	7 300 *	35.2	78.9	8 400 *	40.0	81.7	8 200 *	47.1	85.1	7 000 *	53.3	87.1	5 800 *				48.0
50.0	19.1	67.1	6 900 *	30.9	75.8	7 900 *	36.2	79.2	7 700 *	43.8	83.2	6 500 *	50.3	85.6	5 400 *				50.0
52.0				25.9	72.1	7 500 *	32.1	76.3	7 300 *	40.3	80.9	6 100 *	47.2	83.8	5 000 *				52.0
54.0				19.9	67.4	7 000 *	27.3	72.7	6 900 *	36.5	78.4	5 800 *	43.9	81.9	4 700 *	50.2	83.8	3 700 *	54.0
56.0				11.1	60.2	6 700 *	21.6	68.3	6 500 *	32.4	75.5	5 400 *	40.4	79.6	4 400 *	47.0	82.0	3 400 *	56.0
58.0										27.7	72.0	5 100 *	36.6	77.1	4 200 *	43.7	80.1	3 200 *	58.0
60.0										22.1	67.7	4 800 *	32.5	74.2	3 900 *	40.2	77.9	3 000 *	60.0
62.0										14.6	61.7	4 500 *	27.8	70.8	3 600 *	36.4	75.3	2 800 *	62.0
64.0													22.2	66.5	3 400 *	32.3	72.4	2 500 *	64.0
66.0													14.8	60.5	3 200 *	27.5	68.9	2 400 *	66.0
68.0																21.9	64.6	2 200 *	68.0
70.0																14.4	58.5	2 000 *	70.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.6	101.4	16 400 *																16.8
18.0	74.2	101.0	16 000 *																18.0
20.0	71.9	100.4	15 300 *																20.0
22.0	69.6	99.7	14 500 *																22.0
24.0	67.2	98.9	13 700 *																24.0
26.0	64.8	98.0	12 900 *	69.8	99.4	14 600 *													26.0
28.0	62.3	97.1	12 200 *	67.5	98.6	13 900 *													28.0
30.0	59.8	95.9	11 500 *	65.1	97.8	13 100 *													30.0
32.0	57.2	94.7	10 800 *	62.6	96.8	12 400 *	65.7	97.6	13 200 *										32.0
34.0	54.5	93.4	10 100 *	60.1	95.7	11 700 *	63.2	96.6	12 500 *										34.0
36.0	51.7	91.9	9 500 *	57.5	94.5	11 000 *	60.7	95.6	11 900 *										36.0
38.0	48.9	90.2	8 900 *	54.8	93.1	10 300 *	58.2	94.4	11 200 *										38.0
40.0	45.9	88.4	8 300 *	52.1	91.7	9 700 *	55.5	93.1	10 500 *	60.9	94.7	9 000							40.0
42.0	42.7	86.3	7 800 *	49.2	90.0	9 100 *	52.8	91.6	9 900	58.3	93.5	8 400							42.0
44.0	39.3	84.0	7 300 *	46.2	88.2	8 500 *	50.0	90.0	9 200	55.7	92.2	7 800							44.0
46.0	35.7	81.4	6 800 *	43.1	86.2	8 000 *	47.0	88.3	8 600	53.0	90.8	7 300							46.0
48.0	31.7	78.4	6 400 *	39.7	83.9	7 500 *	43.9	86.3	8 100	50.2	89.2	6 900	55.8	90.9	5 600				48.0
50.0	27.2	74.9	6 000 *	36.1	81.3	7 000 *	40.6	84.1	7 600	47.2	87.4	6 500	53.0	89.5	5 300				50.0
52.0	21.9	70.5	5 500 *	32.2	78.4	6 500 *	37.1	81.6	7 100 *	44.1	85.5	6 000	50.2	87.9	4 900				52.0
54.0	14.8	64.4	5 000 *	27.8	74.9	6 100 *	33.3	78.8	6 700 *	40.9	83.3	5 700	47.3	86.1	4 600				54.0
56.0				22.6	70.7	5 600 *	29.0	75.5	6 200 *	37.3	80.8	5 300	44.2	84.2	4 300	50.1	86.1	3 300	56.0
58.0				15.8	64.9	5 100 *	24.0	71.5	5 700 *	33.5	78.0	5 000	40.9	82.0	4 000	47.1	84.4	3 100	58.0
60.0							17.8	66.2	5 300 *	29.3	74.7	4 700	37.4	79.5	3 800	44.0	82.4	2 800	60.0
62.0										24.4	70.8	4 400	33.6	76.7	3 500	40.8	80.2	2 600	62.0
64.0										18.3	65.7	4 200	29.4	73.5	3 300	37.3	77.7	2 400	64.0
66.0													24.5	69.5	3 100	33.4	74.9	2 300	66.0
68.0													18.5	64.5	2 900	29.2	71.6	2 100	68.0
70.0													9.2	56.3	2 700	24.2	67.6	1 900	70.0

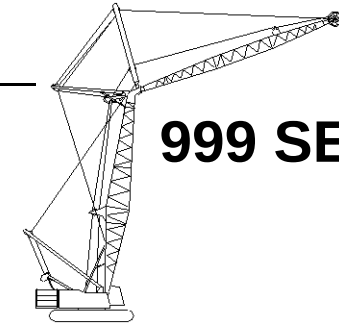
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

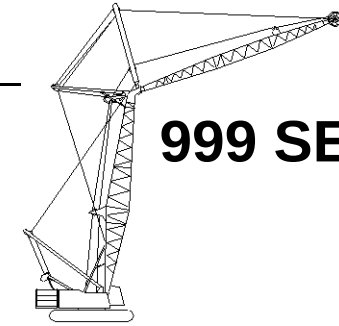
51.8m (170 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	62.6	75.9	37 500 *b																			15.2
16.0	60.6	75.5	36 800 *b																			16.0
18.0	55.0	74.2	35 000 *																			18.0
20.0	49.0	72.6	32 900	61.9	75.3	29 600 b																20.0
22.0	42.5	70.7	29 100	56.4	74.1	26 300 b	63.7	75.2	24 600 b													22.0
24.0	35.0	68.2	26 000	50.6	72.6	23 500	58.3	74.1	22 000 b													24.0
26.0	25.6	64.8	23 600	44.2	70.8	21 300	52.6	72.7	19 900													26.0
28.0				37.0	68.5	19 400	46.4	71.0	18 100	59.4	73.3	16 000 b										28.0
30.0				28.2	65.3	17 700	39.5	68.9	16 600	53.8	72.0	14 600										30.0
32.0				15.6	60.4	16 300	31.4	66.1	15 200	47.7	70.4	13 500										32.0
34.0							20.7	62.0	14 100	41.0	68.3	12 400	54.6	70.8	10 800							34.0
36.0										33.2	65.7	11 500	48.7	69.2	10 000							36.0
38.0										23.3	62.0	10 600	42.0	67.2	9 200							38.0
40.0													34.4	64.7	8 600	49.1	67.6	7 300				40.0
42.0													24.9	61.2	8 000	42.6	65.6	6 800				42.0
44.0													8.6	54.6	7 400	35.1	63.1	6 300				44.0
46.0																25.8	59.7	5 900	42.5	63.5	4 800	46.0
48.0																			35.0	61.0	4 400	48.0
50.0																			25.7	57.6	4 100	50.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

51.8m (170 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.3	79.9	34 700 *b																			13.7
14.0	68.7	79.8	34 600 *b																			14.0
16.0	64.1	78.9	33 300 *b																			16.0
18.0	59.4	77.8	31 700 *																			18.0
20.0	54.4	76.5	30 200 *	65.3	78.7	29 500 b																20.0
22.0	49.0	74.9	28 700	60.6	77.7	26 200 b																22.0
24.0	43.2	73.0	26 100	55.6	76.5	23 500	62.2	77.6	21 900 b													24.0
26.0	36.7	70.6	23 500	50.4	74.9	21 200	57.3	76.5	19 800													26.0
28.0	29.0	67.5	21 400	44.8	73.1	19 300	52.2	75.1	18 000													28.0
30.0	18.7	63.0	19 600	38.5	70.9	17 700	46.7	73.3	16 500	58.3	75.7	14 500										30.0
32.0				31.1	68.0	16 200	40.7	71.3	15 100	53.3	74.3	13 300										32.0
34.0				21.7	64.0	15 000	33.8	68.6	14 000	47.9	72.7	12 300										34.0
36.0							25.3	65.1	13 000	41.9	70.7	11 400	54.0	73.1	9 800							36.0
38.0							12.3	59.2	12 100	35.2	68.2	10 600	48.7	71.5	9 100							38.0
40.0										27.2	64.9	9 900	42.9	69.6	8 500							40.0
42.0										15.7	59.8	9 200	36.3	67.2	7 900	49.1	69.9	6 600				42.0
44.0													28.5	64.0	7 400	43.3	68.0	6 200				44.0
46.0													17.9	59.3	6 900	36.8	65.6	5 800				46.0
48.0																29.2	62.5	5 400	43.3	65.8	4 300	48.0
50.0																18.9	58.0	5 000	36.8	63.4	4 000	50.0
52.0																			29.1	60.3	3 700	52.0
54.0																			18.8	55.8	3 500	54.0

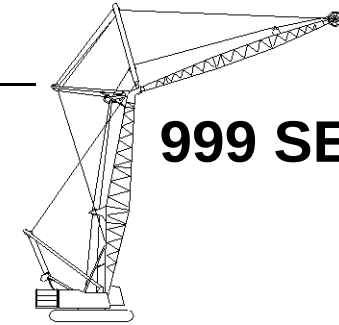
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

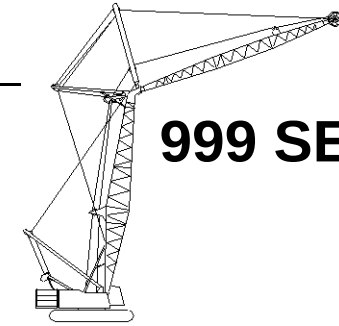
51.8m (170 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.4	83.1	32 000 *b																			13.7
14.0	70.9	83.0	31 900 *b																			14.0
16.0	66.9	82.2	31 100 *b																			16.0
18.0	62.7	81.3	29 400 *																			18.0
20.0	58.4	80.2	28 000 *	67.9	82.0	29 400 b																20.0
22.0	53.8	78.8	26 600 *	63.8	81.1	26 000 b																22.0
24.0	49.0	77.2	25 200 *	59.5	80.1	23 300	65.2	81.0	21 700													24.0
26.0	43.8	75.3	23 400	55.0	78.8	21 000	60.9	80.0	19 600													26.0
28.0	38.1	73.0	21 400	50.3	77.2	19 100	56.5	78.8	17 800													28.0
30.0	31.5	70.2	19 600	45.2	75.4	17 500	51.9	77.4	16 300													30.0
32.0	23.4	66.3	18 000	39.6	73.2	16 100	47.0	75.6	15 000	57.4	78.0	13 200										32.0
34.0				33.3	70.5	14 900	41.6	73.6	13 900	52.9	76.6	12 100										34.0
36.0				25.6	67.0	13 800	35.5	71.1	12 900	48.0	75.0	11 200										36.0
38.0				14.7	61.5	12 800	28.4	67.9	12 000	42.7	73.0	10 400	53.5	75.4	8 900							38.0
40.0							19.1	63.3	11 100	36.8	70.6	9 700	48.7	73.8	8 300							40.0
42.0										30.0	67.6	9 100	43.5	71.9	7 700							42.0
44.0										21.3	63.4	8 500	37.7	69.6	7 200	49.1	72.2	6 000				44.0
46.0													31.1	66.6	6 700	43.9	70.3	5 600				46.0
48.0													22.7	62.7	6 300	38.2	68.0	5 200				48.0
50.0													8.9	55.7	5 900	31.6	65.1	4 900	43.9	68.1	3 800	50.0
52.0																23.5	61.3	4 500	38.1	65.8	3 600	52.0
54.0																			31.6	62.9	3 300	54.0
56.0																			23.4	59.1	3 100	56.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

51.8m (170 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.2	86.3	25 900 *b																			13.7
14.0	72.7	86.2	25 800 *b																			14.0
16.0	69.1	85.5	25 200 *b																			16.0
18.0	65.4	84.7	24 600 *																			18.0
20.0	61.5	83.7	24 000 *	70.0	85.3	25 900 *b																20.0
22.0	57.6	82.5	23 400 *	66.3	84.5	25 300																22.0
24.0	53.4	81.1	22 500 *	62.5	83.5	23 400																24.0
26.0	49.0	79.5	21 500 *	58.6	82.4	21 000	63.8	83.5	19 600													26.0
28.0	44.3	77.7	20 500 *	54.5	81.1	19 100	59.9	82.4	17 800													28.0
30.0	39.2	75.4	18 900 *	50.2	79.5	17 500	55.9	81.1	16 300													30.0
32.0	33.4	72.7	17 600 *	45.5	77.7	16 100	51.7	79.7	15 000	60.7	81.6	13 100										32.0
34.0	26.6	69.2	16 400 *	40.5	75.6	14 900	47.1	77.9	13 800	56.7	80.4	12 100										34.0
36.0	17.5	64.3	15 400	35.0	73.0	13 800	42.3	75.9	12 900	52.5	78.9	11 200										36.0
38.0				28.4	69.8	12 900	36.9	73.5	12 000	48.1	77.3	10 400										38.0
40.0				20.1	65.3	12 000	30.8	70.5	11 100	43.3	75.3	9 700	53.1	77.7	8 300							40.0
42.0							23.3	66.6	10 400	38.0	73.0	9 100	48.7	76.1	7 800							42.0
44.0							11.9	60.3	9 800	32.1	70.1	8 500	44.0	74.2	7 200							44.0
46.0										24.9	66.5	8 000	38.9	71.9	6 700	49.1	74.5	5 600				46.0
48.0										14.9	60.9	7 500	33.0	69.2	6 300	44.4	72.6	5 200				48.0
50.0													26.1	65.7	5 900	39.3	70.4	4 900				50.0
52.0													16.7	60.6	5 500	33.5	67.6	4 500	44.4	70.4	3 600	52.0
54.0																26.7	64.2	4 300	39.2	68.2	3 300	54.0
56.0																17.6	59.3	4 000	33.5	65.5	3 100	56.0
58.0																			26.6	62.0	2 800	58.0
60.0																			17.5	57.1	2 600	60.0

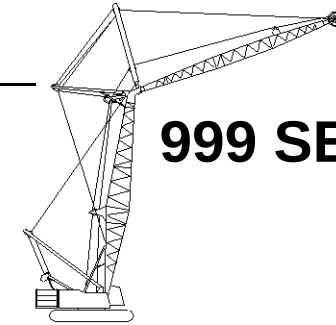
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

51.8m (170 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.6	89.5	24 400 *b																			13.7
14.0	74.2	89.4	24 300 *b																			14.0
16.0	70.9	88.8	23 700 *b																			16.0
18.0	67.5	88.0	23 200 *																			18.0
20.0	64.1	87.1	22 700 *																			20.0
22.0	60.6	86.1	21 800 *	68.4	87.8	23 700 *																22.0
24.0	56.9	84.9	20 800 *	65.0	86.9	22 900																24.0
26.0	53.1	83.5	19 900 *	61.5	85.9	20 900	66.1	86.8	19 400													26.0
28.0	49.0	81.8	18 900 *	57.8	84.8	19 000	62.7	85.9	17 600													28.0
30.0	44.7	80.0	18 100 *	54.0	83.4	17 400	59.1	84.7	16 200													30.0
32.0	40.1	77.8	17 000 *	50.1	81.8	16 000	55.3	83.5	14 800													32.0
34.0	34.9	75.2	15 800 *	45.8	80.0	14 800	51.4	82.0	13 700	59.8	83.9	11 900										34.0
36.0	29.0	72.0	14 800 *	41.3	77.9	13 700	47.3	80.3	12 700	56.1	82.7	11 000										36.0
38.0	21.7	67.7	13 900 *	36.3	75.5	12 800	42.9	78.3	11 800	52.2	81.2	10 200										38.0
40.0				30.6	72.4	11 900	38.0	75.9	11 000	48.2	79.6	9 500	56.6	81.5	8 100							40.0
42.0				23.7	68.5	11 200	32.6	73.1	10 300	43.8	77.6	8 900	52.8	80.1	7 500							42.0
44.0				14.1	62.7	10 500	26.3	69.5	9 700	39.1	75.4	8 300	48.8	78.4	7 000							44.0
46.0							17.9	64.6	9 100	33.8	72.7	7 800	44.5	76.5	6 600							46.0
48.0										27.6	69.3	7 300	39.8	74.3	6 200	49.1	76.8	5 000				48.0
50.0										19.9	64.8	6 900	34.6	71.7	5 800	44.8	74.9	4 700				50.0
52.0													28.6	68.4	5 400	40.2	72.7	4 400				52.0
54.0													21.2	64.1	5 100	35.0	70.1	4 100	44.8	72.7	3 100	54.0
56.0													9.2	56.7	4 700	29.1	66.9	3 800	40.1	70.6	2 900	56.0
58.0																21.8	62.7	3 600	35.0	68.0	2 700	58.0
60.0																			29.1	64.8	2 500	60.0
62.0																			21.7	60.5	2 300	62.0
64.0																			10.4	53.6	2 100	64.0

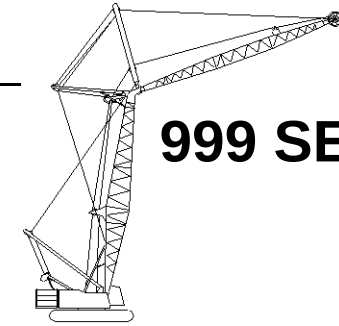
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

51.8m (170 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	92.6	22 800 *b																			13.7
14.0	75.4	92.6	22 700 *b																			14.0
16.0	72.4	92.0	22 200 *b																			16.0
18.0	69.3	91.3	21 700 *																			18.0
20.0	66.2	90.5	21 100 *																			20.0
22.0	63.0	89.5	20 100 *																			22.0
24.0	59.7	88.4	19 200 *	67.0	90.3	21 500 *																24.0
26.0	56.3	87.2	18 300 *	63.8	89.4	20 600																26.0
28.0	52.8	85.8	17 500 *	60.6	88.3	18 900	64.9	89.3	17 500													28.0
30.0	49.0	84.1	16 700 *	57.2	87.1	17 300	61.7	88.2	16 000													30.0
32.0	45.1	82.3	16 000 *	53.7	85.7	15 900	58.3	87.1	14 700													32.0
34.0	40.8	80.1	15 200 *	50.0	84.2	14 700	54.9	85.8	13 600													34.0
36.0	36.2	77.6	14 300 *	46.1	82.4	13 600	51.2	84.3	12 600	59.0	86.3	10 900										36.0
38.0	30.9	74.6	13 400 *	41.9	80.3	12 700	47.4	82.6	11 700	55.6	85.0	10 100										38.0
40.0	24.8	70.8	12 600 *	37.4	77.9	11 800	43.4	80.6	10 900	52.0	83.6	9 400										40.0
42.0	16.6	65.5	12 000 *	32.3	75.0	11 100	39.0	78.3	10 200	48.2	81.9	8 800	56.1	83.8	7 400							42.0
44.0				26.4	71.4	10 400	34.1	75.6	9 600	44.2	80.0	8 200	52.5	82.4	6 900							44.0
46.0				18.9	66.7	9 800	28.6	72.3	9 000	39.9	77.7	7 700	48.8	80.7	6 500							46.0
48.0							21.8	68.1	8 500	35.1	75.1	7 300	44.8	78.8	6 100							48.0
50.0							11.7	61.4	7 900	29.7	72.0	6 800	40.5	76.7	5 700	49.1	79.1	4 500				50.0
52.0										23.3	68.0	6 400	35.9	74.1	5 300	45.1	77.2	4 200				52.0
54.0										14.3	62.1	6 000	30.6	71.1	5 000	40.9	75.1	3 900				54.0
56.0													24.3	67.2	4 700	36.2	72.6	3 700	45.1	75.1	2 800	56.0
58.0													15.9	61.8	4 400	31.0	69.6	3 400	40.8	72.9	2 500	58.0
60.0																24.8	65.8	3 200	36.2	70.4	2 300	60.0
62.0																16.7	60.5	3 000	31.0	67.4	2 200	62.0
64.0																			24.8	63.6	2 000	64.0

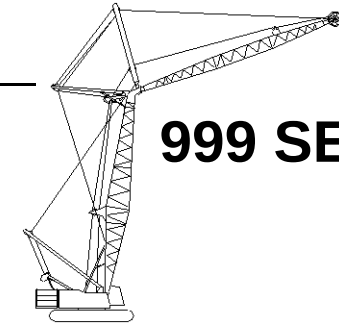
Liftcrane Luffing Jib Capacities

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

67 860 kg Counterweight

360 Degree Rating

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



999 SERIES 1

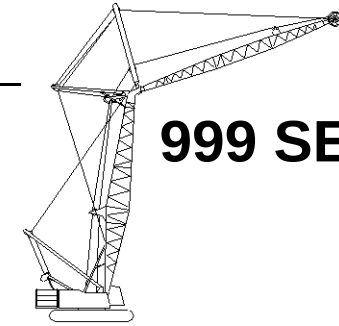
51.8m (170 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.8	95.4	20 900 * ^b																			15.2
16.0	73.7	95.2	20 700 * ^b																			16.0
18.0	70.9	94.5	20 200 *																			18.0
20.0	68.0	93.8	19 400 *																			20.0
22.0	65.1	92.9	18 500 *																			22.0
24.0	62.1	91.9	17 600 *	68.7	93.6	19 800 *																24.0
26.0	59.0	90.8	16 800 *	65.8	92.7	18 900 *																26.0
28.0	55.8	89.5	16 000 *	62.8	91.8	18 100 *	66.8	92.6	17 400													28.0
30.0	52.5	88.1	15 200 *	59.8	90.7	17 100	63.9	91.7	15 800													30.0
32.0	49.0	86.4	14 500 *	56.6	89.4	15 700	60.8	90.6	14 600													32.0
34.0	45.4	84.6	13 700 *	53.3	88.0	14 600	57.7	89.4	13 400													34.0
36.0	41.5	82.5	13 100 *	49.9	86.5	13 500	54.5	88.1	12 400	61.4	89.8	10 800										36.0
38.0	37.2	80.0	12 500 *	46.3	84.7	12 600	51.1	86.6	11 600	58.3	88.7	10 000										38.0
40.0	32.5	77.2	11 900 *	42.5	82.6	11 700	47.5	84.9	10 800	55.1	87.3	9 300										40.0
42.0	27.1	73.7	11 300 *	38.3	80.3	10 900	43.8	82.9	10 100	51.8	85.9	8 600										42.0
44.0	20.5	69.1	10 800 *	33.7	77.5	10 300	39.8	80.7	9 400	48.3	84.2	8 100	55.6	86.1	6 700							44.0
46.0				28.6	74.2	9 600	35.4	78.1	8 900	44.6	82.3	7 500	52.3	84.7	6 300							46.0
48.0				22.3	70.0	9 000	30.4	75.0	8 300	40.6	80.1	7 100	48.8	83.0	5 900							48.0
50.0				13.6	63.8	8 500	24.6	71.1	7 800	36.3	77.6	6 600	45.1	81.2	5 500							50.0
52.0							17.0	65.9	7 300	31.5	74.6	6 300	41.2	79.0	5 100	49.1	81.4	4 100				52.0
54.0										25.8	70.9	5 900	36.9	76.6	4 800	45.4	79.5	3 800				54.0
56.0										18.8	66.1	5 500	32.2	73.7	4 500	41.5	77.4	3 500				56.0
58.0													26.7	70.1	4 200	37.3	75.0	3 300	45.4	77.4	2 300	58.0
60.0													20.0	65.5	4 000	32.6	72.1	3 100	41.5	75.2	2 200	60.0
62.0													9.3	57.8	3 700	27.2	68.6	2 800	37.2	72.8	2 000	62.0
64.0																20.6	64.1	2 600	32.5	69.9	1 800	64.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
67 860 kg Counterweight
360 Degree Rating

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



999 SERIES 1

51.8m (170 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.8	98.5	19 500 *																			15.2
16.0	74.8	98.3	19 300 *																			16.0
18.0	72.2	97.7	18 800 *																			18.0
20.0	69.5	97.1	17 900 *																			20.0
22.0	66.8	96.3	17 100 *																			22.0
24.0	64.1	95.3	16 300 *																			24.0
26.0	61.3	94.3	15 500 *	67.5	96.1	17 400 *																26.0
28.0	58.4	93.1	14 600 *	64.8	95.2	16 600 *																28.0
30.0	55.4	91.8	13 900 *	62.0	94.2	15 900 *	65.7	95.0	15 800													30.0
32.0	52.3	90.4	13 200 *	59.1	93.0	15 100 *	62.9	94.1	14 500													32.0
34.0	49.0	88.7	12 500 *	56.1	91.8	14 300	60.1	93.0	13 400													34.0
36.0	45.6	86.9	11 800 *	53.1	90.3	13 500	57.1	91.8	12 400													36.0
38.0	42.0	84.8	11 200 *	49.8	88.8	12 500	54.1	90.4	11 500	60.7	92.2	9 900										38.0
40.0	38.1	82.4	10 600 *	46.5	87.0	11 600	51.0	88.9	10 700	57.7	91.0	9 200										40.0
42.0	33.8	79.7	10 100 *	42.9	84.9	10 900	47.6	87.2	10 000	54.7	89.7	8 600										42.0
44.0	29.0	76.4	9 600 *	39.1	82.6	10 200	44.2	85.2	9 400	51.6	88.2	8 000										44.0
46.0	23.3	72.3	9 100 *	34.9	80.0	9 600	40.4	83.0	8 800	48.3	86.5	7 500	55.2	88.4	6 200							46.0
48.0	15.8	66.7	8 700 *	30.3	76.9	9 000	36.4	80.5	8 300	44.9	84.6	7 000	52.1	87.0	5 800							48.0
50.0				24.9	73.0	8 500	31.9	77.5	7 800	41.2	82.4	6 600	48.8	85.3	5 400							50.0
52.0				18.0	67.9	8 000	26.8	74.0	7 300	37.2	80.0	6 200	45.4	83.5	5 100	52.3	85.3	4 000				52.0
54.0							20.6	69.4	6 900	32.9	77.1	5 900	41.8	81.4	4 800	49.1	83.7	3 700				54.0
56.0							11.5	62.5	6 500	27.9	73.7	5 500	37.8	79.0	4 500	45.7	81.8	3 500				56.0
58.0										22.0	69.4	5 200	33.5	76.2	4 200	42.0	79.7	3 300				58.0
60.0										13.8	63.2	4 900	28.7	72.9	3 900	38.1	77.4	3 000	45.6	79.7	2 100	60.0
62.0													22.9	68.7	3 700	33.9	74.6	2 800	42.0	77.6	1 900	62.0
64.0													15.3	62.9	3 400	29.1	71.4	2 600	38.1	75.2	1 800	64.0
66.0																23.4	67.3	2 400				66.0
68.0																16.0	61.7	2 200				68.0