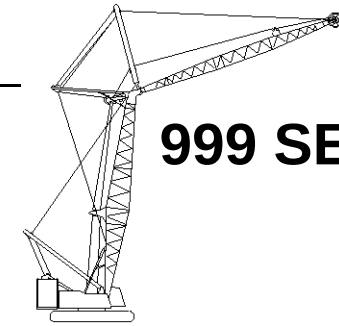


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4.0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 1 280 kg minimum block weight.

57.9m boom length requires only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point for 57.9m boom length. Lower boom point assembly must be completely removed on 61.0m boom length.

Weight of all load blocks, hooks, weight ball, slings, etc., beneath boom and luffing jib point sheaves, is considered part of luffing jib load. Reeved hoist line included in luffing jib weight. 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. 8265-A** and Luffing Jib Raising Procedure chart **No. 9267-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.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Load block (1 280 kg minimum) must be suspended below luffing jib point when luffing jib is positioned above 55 degrees for operation above 7 m/s. Wind speed to be measured at luffing jib point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees and luffing jib at 55 degrees. Lower boom and jib onto blocking at ground level when wind is above 22 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level (not to exceed 13 mm in 3m) and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8249-C**.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0.4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2.5 seconds.

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, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

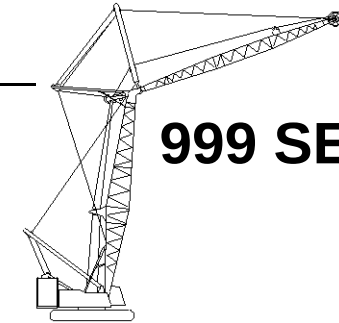
Consult chart **No. 8246-AM** for lifting off lower boom point with luffing jib attached. Chart **No. 8246-AM** cannot be used when fixed jib No. 138 is attached to luffing jib No. 135.

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached

Fixed Jib Length	Fixed Jib No.138
9.1m	1 040 kg
12.2m	1 220 kg
15.2m	1 410 kg
18.3m	1 630 kg

Boom Catwalks Deduct

Deduct 150 kg from capacities when boom catwalks are attached.



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Liftcrane Luffing Jib Capacities

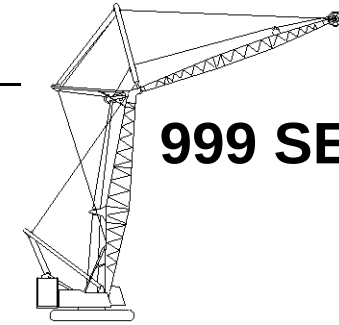
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	47 400 *b																14.0
16.0	52.3	40.6	41 700 *b	58.4	41.7	44 400 *b	61.8	42.1	46 200 *b													16.0
18.0	45.2	38.9	38 400 *	51.8	40.3	42 000 *	55.5	40.9	43 500 *b													18.0
20.0	37.0	36.6	33 300 *	44.6	38.5	38 300 *	48.7	39.4	41 000 *	54.8	40.3	43 400 *b										20.0
22.0	26.8	33.4	28 300 *	36.3	36.2	33 000 *	41.0	37.4	35 900 *	47.9	38.7	40 600 *	54.0	39.5	41 800 b							22.0
24.0				25.9	32.9	28 700 *	32.0	34.7	31 100 *	40.2	36.7	35 400 *	47.1	37.9	37 400							24.0
26.0										31.0	33.9	30 800 *	39.2	35.8	33 900	45.9	36.8	33 000				26.0
28.0										18.0	29.5	26 200 *	29.7	32.8	30 500 *	37.9	34.6	30 100	44.5	35.6	29 300	28.0
30.0													15.8	28.1	26 400 *	28.0	31.5	27 600	36.2	33.2	26 800	30.0
32.0																12.4	26.1	25 400	25.8	29.9	24 800	32.0



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Liftcrane Luffing Jib Capacities

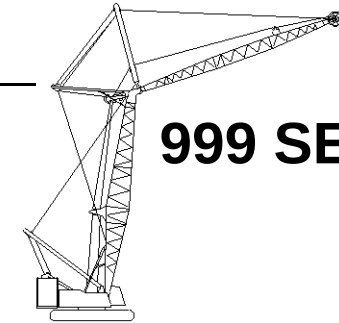
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	67.8	46.1	44 300 *b																12.2
14.0	63.1	45.5	40 600 *b	62.7	45.2	41 400 *b	65.5	45.5	43 000 *b													14.0
16.0	57.7	44.4	38 700 *b	57.2	44.1	38 900 *	60.3	44.5	40 400 *b													16.0
18.0	51.9	42.9	36 300 *	51.5	42.6	36 600 *	54.7	43.2	38 000 *	59.7	44.0	40 200 *b										18.0
20.0	45.6	41.2	33 400 *																			20.0
22.0	38.6	39.0	29 300 *	45.2	40.8	33 300 *	48.7	41.7	35 500 *	54.1	42.6	37 900 *										22.0
24.0	30.3	36.1	26 000 *	38.1	38.6	29 100 *	42.1	39.7	31 300 *	48.1	41.0	35 200 *	53.4	41.9	37 000							24.0
26.0				29.6	35.6	25 800 *	34.5	37.2	27 600 *	41.4	39.0	30 900 *	47.3	40.2	33 700	52.5	40.9	32 700				26.0
28.0				18.0	31.1	21 800 *	25.0	33.7	24 500 *	33.7	36.4	27 300 *	40.5	38.1	30 500	46.3	39.1	29 800				28.0
30.0										23.9	32.8	24 300 *	32.6	35.4	26 900 *	39.4	37.0	27 400				30.0
32.0										5.0	25.0	19 000 *	22.5	31.6	24 000 *	31.3	34.2	25 300	38.0	35.6	24 500	32.0
34.0																20.5	30.1	23 400	29.5	32.6	22 700	34.0
36.0																			17.8	28.1	21 200	36.0



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Liftcrane Luffing Jib Capacities

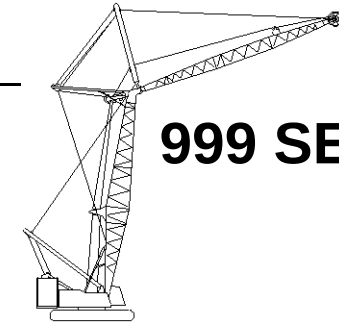
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	35 500 *													18.0
20.0	51.6	45.3	30 300 *	56.4	46.4	32 400 *	59.1	46.9	33 500 *													20.0
22.0	46.0	43.5	28 800 *	51.2	44.9	30 600 *	54.1	45.6	31 800 *	58.6	46.3	33 400 *										22.0
24.0	39.9	41.4	26 500 *	45.6	43.2	29 000 *	48.7	44.0	30 100 *	53.6	45.0	31 700 *										24.0
26.0	32.8	38.6	23 600 *	39.4	41.0	26 200 *	42.9	42.0	27 900 *	48.2	43.3	30 100 *	52.9	44.2	31 500 *							26.0
28.0	24.1	34.9	20 700 *	32.3	38.2	23 400 *	36.3	39.6	24 900 *	42.3	41.4	27 800 *	47.5	42.5	29 900 *							28.0
30.0				23.3	34.4	21 000 *	28.6	36.5	22 400 *	35.6	38.9	24 700 *	41.5	40.5	27 500 *	46.6	41.4	27 400				30.0
32.0				7.5	27.2	15 700 *	18.0	31.8	20 000 *	27.7	35.6	22 200 *	34.8	37.9	24 400 *	40.6	39.3	25 300	45.5	40.2	24 500	32.0
34.0										16.6	30.7	19 600 *	26.6	34.5	22 000 *	33.6	36.7	23 400	39.3	38.0	22 700	34.0
36.0													14.7	29.2	19 800 *	25.1	33.2	21 700	32.2	35.2	21 100	36.0
38.0																12.0	27.2	19 600 *	23.2	31.4	19 700	38.0



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Liftcrane Luffing Jib Capacities

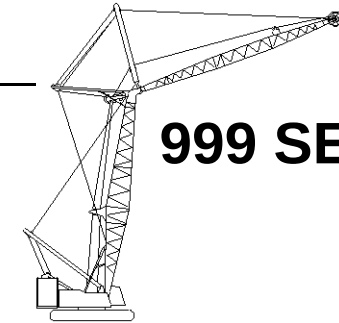
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 100 *													20.0
22.0	51.3	47.6	26 500 *	55.7	48.7	28 300 *	58.1	49.2	29 300 *													22.0
24.0	46.3	45.8	25 100 *	51.0	47.2	26 800 *	53.6	47.9	27 700 *	57.7	48.7	29 200 *										24.0
26.0	40.9	43.7	23 500 *	45.9	45.5	25 400 *	48.8	46.3	26 300 *	53.1	47.3	27 700 *	57.1	47.9	28 800 *							26.0
28.0	34.7	41.1	21 200 *	40.4	43.3	23 500 *	43.5	44.3	24 700 *	48.3	45.6	26 300 *	52.5	46.5	27 500 *							28.0
30.0	27.5	37.8	19 200 *	34.2	40.7	21 100 *	37.8	42.0	22 400 *	43.0	43.7	24 600 *	47.6	44.8	26 200 *							30.0
32.0	17.6	33.0	15 700 *	26.8	37.3	19 200 *	31.1	39.1	20 200 *	37.2	41.3	22 200 *	42.3	42.8	24 400 *	46.9	43.8	25 000				32.0
34.0				16.7	32.3	16 600 *	22.8	35.2	18 400 *	30.4	38.3	20 100 *	36.4	40.4	22 000 *	41.5	41.7	23 200	45.9	42.5	21 500 *	34.0
36.0										21.8	34.2	18 300 *	29.5	37.3	19 900 *	35.4	39.2	21 500	40.4	40.3	20 900	36.0
38.0										6.4	26.3	14 900 *	20.6	33.0	18 100 *	28.3	36.0	19 700 *	34.2	37.7	19 500	38.0
40.0																18.9	31.4	17 900 *	26.8	34.3	18 300	40.0
42.0																			16.6	29.3	17 200	42.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

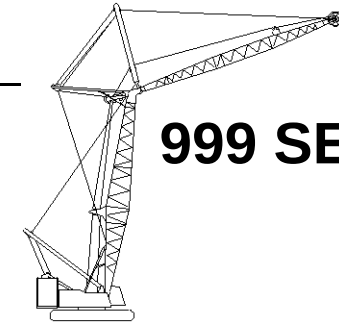
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.0	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	27 300 *	61.3	52.8	28 200 *													22.0
24.0	51.1	49.9	24 300 *	55.1	51.0	25 800 *	57.3	51.6	26 700 *													24.0
26.0	46.6	48.1	23 100 *	50.8	49.5	24 500 *	53.2	50.2	25 300 *	56.9	51.0	26 500 *										26.0
28.0	41.7	46.0	21 300 *	46.2	47.8	23 200 *	48.8	48.6	24 100 *	52.8	49.6	25 200 *	56.4	50.2	26 200 *							28.0
30.0	36.2	43.6	19 300 *	41.3	45.7	21 200 *	44.1	46.7	22 400 *	48.3	47.9	24 000 *	52.2	48.8	25 000 *							30.0
32.0	30.0	40.5	17 600 *	35.8	43.2	19 200 *	38.9	44.4	20 200 *	43.6	46.0	22 100 *	47.8	47.1	23 900 *	51.6	47.8	24 500 *				32.0
34.0	22.2	36.4	14 700 *	29.5	40.0	17 500 *	33.1	41.6	18 400 *	38.4	43.7	20 100 *	43.0	45.1	22 000 *	47.1	46.1	23 200				34.0
36.0				21.5	35.8	15 500 *	26.2	38.1	16 900 *	32.5	40.9	18 300 *	37.7	42.8	19 900 *	42.2	44.0	21 500				36.0
38.0				8.1	28.3	11 600 *	16.8	33.0	14 500 *	25.4	37.3	16 800 *	31.7	39.9	18 200 *	36.8	41.6	19 700 *	41.2	42.7	19 400	38.0
40.0										15.6	31.9	15 000 *	24.4	36.1	16 600 *	30.7	38.6	17 900 *	35.7	40.2	18 200	40.0
42.0													14.0	30.4	15 000 *	23.1	34.7	16 500 *	29.4	37.0	17 100	42.0
44.0																11.6	28.3	15 100 *	21.4	32.8	16 100	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

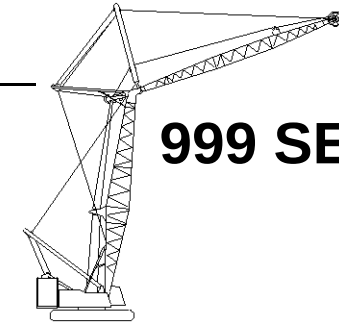
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.4	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	24 700 *													24.0
26.0	50.9	52.2	21 200 *	54.6	53.4	22 600 *	56.7	53.9	23 300 *	60.0	54.6	24 500 *										26.0
28.0	46.8	50.4	20 100 *	50.6	51.8	21 400 *	52.8	52.5	22 100 *	56.3	53.3	23 200 *										28.0
30.0	42.3	48.4	19 000 *	46.5	50.1	20 200 *	48.8	50.9	20 900 *	52.4	51.9	22 000 *	55.8	52.5	22 900 *							30.0
32.0	37.4	46.0	17 500 *	42.0	48.0	19 000 *	44.5	49.0	19 900 *	48.4	50.2	20 900 *	52.0	51.1	21 800 *							32.0
34.0	31.9	43.1	16 000 *	37.0	45.6	17 400 *	39.8	46.8	18 400 *	44.0	48.3	19 800 *	47.9	49.4	20 700 *	51.4	50.1	21 400 *				34.0
36.0	25.4	39.4	14 300 *	31.5	42.6	16 000 *	34.6	44.1	16 800 *	39.3	46.1	18 200 *	43.5	47.4	19 600 *	47.2	48.4	20 500 *				36.0
38.0	16.6	34.2	11 500 *	24.8	38.9	14 700 *	28.7	40.9	15 400 *	34.1	43.4	16 700 *	38.7	45.2	18 100 *	42.8	46.4	19 500 *				38.0
40.0				15.8	33.5	12 200 *	21.2	36.6	14 100 *	28.0	40.1	15 300 *	33.4	42.4	16 600 *	38.0	44.0	17 800 *	41.9	45.0	16 300 *	40.0
42.0										20.4	35.6	14 200 *	27.2	39.0	15 200 *	32.5	41.2	16 400 *	37.0	42.6	16 400	42.0
44.0										7.2	27.4	11 400 *	19.2	34.3	14 000 *	26.1	37.6	15 000 *	31.4	39.7	16 000	44.0
46.0																17.7	32.6	13 900 *	24.8	35.9	14 900 *	46.0
48.0																			15.7	30.5	13 700 *	48.0



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Liftcrane Luffing Jib Capacities

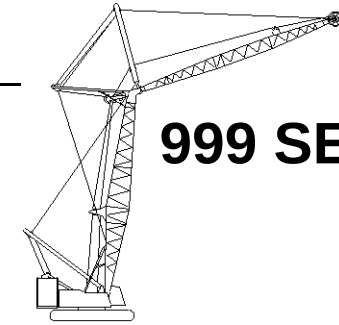
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.2	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	20 300 *	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	19 700 *										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	18 700 *										30.0
32.0	42.9	50.7	15 600 *	46.7	52.4	16 500 *	48.8	53.2	17 000 *	52.2	54.2	17 800 *	55.3	54.9	18 500 *							32.0
34.0	38.4	48.4	14 800 *	42.5	50.3	15 600 *	44.8	51.3	16 100 *	48.4	52.5	16 900 *	51.7	53.4	17 600 *							34.0
36.0	33.5	45.6	14 200 *	38.1	48.0	14 900 *	40.6	49.1	15 400 *	44.4	50.6	16 100 *	48.0	51.7	16 800 *	51.2	52.4	17 300 *				36.0
38.0	27.8	42.2	13 500 *	33.1	45.2	14 200 *	35.9	46.6	14 600 *	40.1	48.4	15 400 *	43.9	49.8	16 000 *	47.4	50.7	16 500 *				38.0
40.0	20.8	37.8	11 600 *	27.3	41.8	13 600 *	30.6	43.5	14 000 *	35.4	45.9	14 700 *	39.6	47.5	15 300 *	43.3	48.7	15 800 *	46.6	49.4	16 200 *	40.0
42.0				20.2	37.2	12 400 *	24.4	39.7	13 300 *	30.1	42.7	14 000 *	34.8	44.9	14 600 *	38.9	46.4	15 100 *	42.5	47.4	15 500 *	42.0
44.0				8.4	29.4	9 400 *	16.0	34.3	11 600 *	23.7	38.8	13 200 *	29.4	41.7	14 000 *	34.0	43.7	14 500 *	38.0	45.0	14 900 *	44.0
46.0										14.9	33.1	12 100 *	22.8	37.6	13 200 *	28.5	40.4	13 900 *	33.0	42.2	14 300 *	46.0
48.0													13.5	31.5	12 000 *	21.6	36.1	13 100 *	27.3	38.8	13 700 *	48.0
50.0																11.4	29.4	12 100 *	20.1	34.2	12 900 *	50.0



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Liftcrane Luffing Jib Capacities

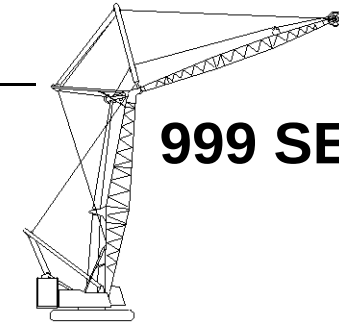
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	16 200 *										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	15 400 *	54.9	57.2	16 000 *							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	14 500 *	51.6	55.7	15 200 *							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	13 800 *	48.0	54.0	14 400 *							38.0
40.0	29.8	44.9	11 400 *	34.4	47.7	12 000 *	37.0	49.0	12 400 *	40.8	50.8	13 100 *	44.3	52.1	13 700 *	47.5	53.0	14 200 *				40.0
42.0	23.8	41.0	10 800 *	29.3	44.5	11 500 *	32.2	46.1	11 800 *	36.5	48.3	12 400 *	40.3	49.9	13 000 *	43.7	51.0	13 600 *				42.0
44.0	15.9	35.4	9 200 *	23.3	40.4	10 900 *	26.8	42.6	11 200 *	31.7	45.3	11 800 *	36.0	47.3	12 400 *	39.7	48.8	12 900 *	43.0	49.7	13 300 *	44.0
46.0				15.1	34.7	9 800 *	20.0	38.0	10 700 *	26.2	41.7	11 300 *	31.1	44.3	11 800 *	35.3	46.1	12 200 *	38.9	47.4	12 700 *	46.0
48.0										19.2	36.9	10 800 *	25.4	40.6	11 200 *	30.3	43.0	11 700 *	34.4	44.7	12 100 *	48.0
50.0										7.7	28.6	9 200 *	18.2	35.6	10 800 *	24.5	39.2	11 200 *	29.3	41.5	11 600 *	50.0
52.0																16.9	33.9	10 800 *	23.2	37.4	11 100 *	52.0
54.0																			15.0	31.7	10 700 *	54.0



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Liftcrane Luffing Jib Capacities

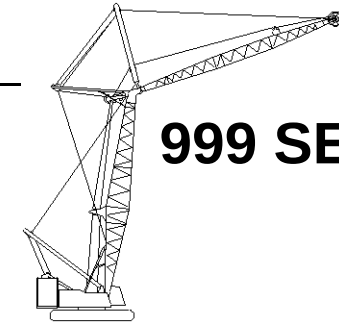
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	14 000 *										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	13 900 *							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	13 100 *							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	11 800 *	48.1	56.3	12 400 *	50.9	57.0	12 900 *				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	11 200 *	44.6	54.4	11 700 *	47.6	55.3	12 200 *				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	10 600 *	40.9	52.2	11 100 *	44.1	53.3	11 600 *				44.0
46.0	19.7	39.2	8 600 *	25.7	43.4	9 200 *	28.7	45.3	9 500 *	33.1	47.9	10 000 *	37.0	49.8	10 500 *	40.4	51.1	11 000 *	43.4	52.0	11 400 *	46.0
48.0				19.1	38.5	8 700 *	23.0	41.2	9 000 *	28.2	44.5	9 500 *	32.6	46.9	9 900 *	36.3	48.6	10 400 *	39.6	49.8	10 800 *	48.0
50.0				8.7	30.5	7 500 *	15.3	35.4	8 600 *	22.3	40.3	9 000 *	27.6	43.4	9 500 *	31.8	45.6	9 900 *	35.5	47.2	10 300 *	50.0
52.0										14.4	34.2	8 600 *	21.5	39.0	9 000 *	26.7	42.1	9 400 *	30.9	44.1	9 700 *	52.0
54.0													13.1	32.6	8 600 *	20.5	37.5	8 900 *	25.7	40.4	9 300 *	54.0
56.0																11.3	30.4	8 600 *	19.1	35.5	8 900 *	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

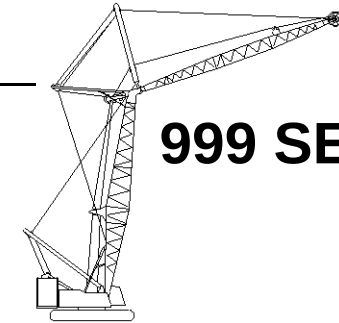
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	10 400 *	50.8	59.3	10 900 *				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	9 800 *	47.7	57.6	10 200 *				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	9 200 *	44.4	55.6	9 700 *	47.1	56.3	10 000 *	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	8 600 *	40.9	53.5	9 100 *	43.8	54.3	9 400 *	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	8 100 *	37.2	51.0	8 600 *	40.3	52.1	8 900 *	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	7 600 *	33.1	48.2	8 000 *	36.5	49.6	8 400 *	52.0
54.0										18.3	38.2	6 800 *	24.1	42.1	7 200 *	28.6	44.8	7 600 *	32.3	46.7	8 000 *	54.0
56.0										8.0	29.7	6 500 *	17.4	36.9	6 800 *	23.2	40.7	7 200 *	27.6	43.2	7 500 *	56.0
58.0																16.2	35.1	6 800 *	22.0	38.9	7 100 *	58.0
60.0																			14.5	32.8	6 700 *	60.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

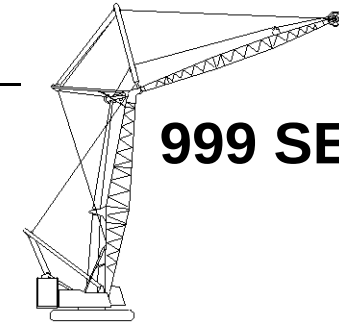
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	9 200 *				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	8 600 *				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	8 100 *				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	7 600 *	44.1	56.6	8 000 *	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	7 100 *	40.8	54.5	7 400 *	52.0
54.0				18.3	39.8	5 100 *	21.8	42.6	5 400 *	26.7	46.2	5 800 *	30.7	48.8	6 200 *	34.2	50.7	6 600 *	37.3	52.0	7 000 *	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	6 500 *	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	6 100 *	58.0
60.0													12.8	33.7	4 800 *	19.5	38.8	5 200 *	24.3	41.9	5 600 *	60.0
62.0																11.2	31.5	4 800 *	18.2	36.8	5 100 *	62.0
64.0																			8.7	28.5	4 700 *	64.0



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Liftcrane Luffing Jib Capacities

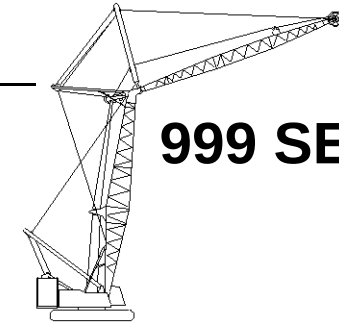
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	44 900 *b																16.0
18.0	45.6	42.0	38 900 *	53.1	43.6	42 400 *	57.2	44.3	44 100 *b													18.0
20.0	37.4	39.8	33 900 *	46.0	41.9	39 900 *	50.5	42.8	41 700 *	57.4	43.8	44 300 *b										20.0
22.0	27.4	36.6	29 300 *	38.0	39.7	34 200 *	43.1	40.9	37 900 *	50.7	42.4	41 800 b										22.0
24.0	11.1	30.9	21 000 *	28.1	36.6	29 900 *	34.6	38.5	32 600 *	43.4	40.5	37 800	50.8	41.7	36 800							24.0
26.0							23.5	34.9	28 600 *	34.9	38.0	32 800 *	43.4	39.8	33 300	50.6	40.8	32 200				26.0
28.0										23.9	34.5	28 800 *	34.9	37.4	30 400	43.2	38.9	29 300				28.0
30.0													24.0	33.8	27 800	34.7	36.4	26 900	42.7	37.7	26 000	30.0
32.0																23.6	32.8	24 900	34.0	35.2	24 000	32.0
34.0																			22.7	31.5	22 200	34.0



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Liftcrane Luffing Jib Capacities

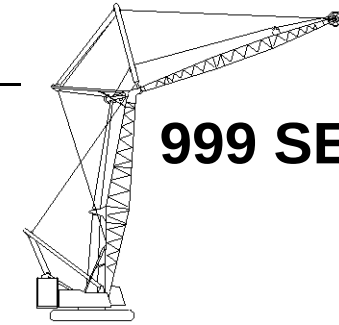
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	41 900 *b																16.0
18.0	52.2	46.1	36 400 *	58.3	47.3	39 300 *	61.7	47.8	41 000 *b													18.0
20.0	46.0	44.3	34 000 *	52.6	45.9	37 000 *	56.2	46.6	38 600 *	61.9	47.3	41 100 *b										20.0
22.0	39.0	42.2	29 700 *	46.4	44.2	34 500 *	50.3	45.1	36 400 *	56.4	46.1	38 800 *										22.0
24.0	30.8	39.3	26 300 *	39.5	42.1	30 100 *	43.9	43.3	32 900 *	50.5	44.7	36 700 *										24.0
26.0	19.8	35.1	22 400 *	31.4	39.3	26 600 *	36.6	40.9	28 700 *	44.1	42.8	32 900 *	50.6	44.0	33 100							26.0
28.0				20.6	35.2	23 300 *	27.8	37.7	25 500 *	36.9	40.5	28 900 *	44.2	42.1	30 100	50.4	43.1	29 100				28.0
30.0							14.9	32.6	21 800 *	28.1	37.3	25 700 *	36.9	39.8	27 600	44.0	41.2	26 700				30.0
32.0										15.5	32.3	23 000 *	28.2	36.7	25 500	36.7	38.8	24 600	43.5	40.0	23 800	32.0
34.0																27.9	35.7	22 800	36.1	37.6	22 000	34.0
36.0																15.0	30.6	21 200	27.2	34.4	20 500	36.0
38.0																			13.7	29.0	19 100	38.0



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Liftcrane Luffing Jib Capacities

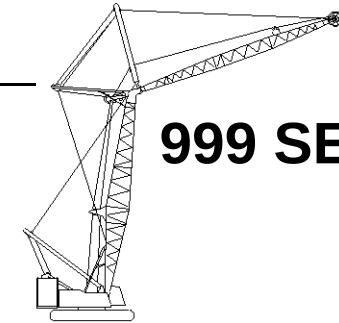
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	36 000 *b													18.0
20.0	51.9	48.4	30 400 *	57.3	49.7	32 700 *	60.4	50.2	34 000 *													20.0
22.0	46.3	46.6	28 900 *	52.2	48.2	31 000 *	55.4	48.9	32 200 *	60.5	49.7	34 100 *										22.0
24.0	40.2	44.5	26 800 *	46.7	46.5	29 400 *	50.2	47.4	30 500 *	55.6	48.5	32 300 *										24.0
26.0	33.3	41.8	24 000 *	40.6	44.4	27 000 *	44.5	45.6	29 000 *	50.4	47.0	30 700 *	55.6	47.8	32 200							26.0
28.0	24.6	38.2	21 300 *	33.7	41.8	24 200 *	38.2	43.3	26 000 *	44.7	45.1	29 100 *	50.4	46.3	30 300							28.0
30.0	10.9	32.0	16 100 *	25.2	38.3	21 700 *	30.8	40.4	23 300 *	38.4	42.9	26 200 *	44.7	44.4	27 600	50.2	45.4	26 700				30.0
32.0				12.1	32.3	18 200 *	21.3	36.3	21 000 *	31.0	40.0	23 400 *	38.4	42.2	25 500	44.5	43.5	24 600				32.0
34.0										21.6	35.9	21 100 *	31.1	39.3	23 500 *	38.2	41.2	22 800	44.1	42.3	22 000	34.0
36.0													21.7	35.3	21 200 *	30.9	38.3	21 200	37.8	40.0	20 500	36.0
38.0																21.4	34.3	19 800	30.3	37.1	19 100	38.0
40.0																			20.5	32.9	17 900	40.0



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Liftcrane Luffing Jib Capacities

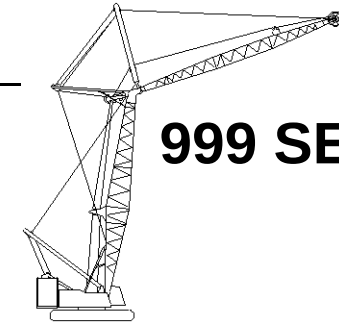
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 500 *													20.0
22.0	51.6	50.7	26 500 *	56.5	52.0	28 600 *	59.3	52.6	29 800 *													22.0
24.0	46.6	49.0	25 200 *	51.9	50.6	27 000 *	54.8	51.3	28 100 *	59.4	52.1	29 800 *										24.0
26.0	41.2	46.9	23 900 *	46.9	48.8	25 700 *	50.1	49.7	26 600 *	55.0	50.8	28 300 *										26.0
28.0	35.1	44.3	21 500 *	41.5	46.8	24 100 *	45.0	47.9	25 300 *	50.2	49.3	26 900 *	55.0	50.1	28 200 *							28.0
30.0	27.9	41.1	19 500 *	35.5	44.3	21 800 *	39.4	45.7	23 400 *	45.1	47.4	25 600 *	50.2	48.6	26 800 *							30.0
32.0	18.3	36.4	17 100 *	28.4	41.1	19 700 *	33.0	42.9	21 000 *	39.5	45.2	23 400 *	45.2	46.8	25 300 *	50.1	47.7	24 400 *				32.0
34.0				19.0	36.5	17 700 *	25.3	39.4	19 100 *	33.2	42.5	21 100 *	39.6	44.6	23 400 *	45.0	45.8	22 600 *				34.0
36.0							14.1	33.8	16 800 *	25.5	39.0	19 200 *	33.2	41.8	21 200 *	39.4	43.6	21 000 *	44.6	44.6	20 200 *	36.0
38.0										14.5	33.5	17 400 *	25.6	38.3	19 200 *	33.0	40.9	19 600 *	39.0	42.4	18 900 *	38.0
40.0																25.3	37.3	18 400 *	32.6	39.6	17 700 *	40.0
42.0																14.2	31.7	17 300 *	24.7	36.0	16 600 *	42.0
44.0																			13.1	30.1	15 600 *	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

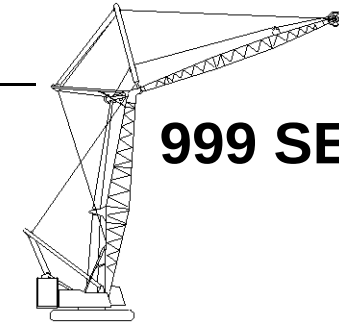
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	30 100 *													20.0
22.0	55.6	54.5	25 700 *	59.9	55.6	27 500 *	62.3	56.0	28 600 *													22.0
24.0	51.4	53.0	24 300 *	55.8	54.3	26 100 *	58.4	54.9	27 000 *													24.0
26.0	46.8	51.3	23 100 *	51.6	52.9	24 700 *	54.3	53.6	25 700 *	58.5	54.4	27 100 *										26.0
28.0	41.9	49.2	21 700 *	47.1	51.1	23 500 *	50.0	52.0	24 400 *	54.4	53.1	25 700 *										28.0
30.0	36.5	46.8	19 600 *	42.2	49.1	21 800 *	45.3	50.2	23 000 *	50.1	51.6	24 500 *	54.5	52.4	25 500 *							30.0
32.0	30.3	43.7	17 900 *	36.9	46.7	19 700 *	40.3	48.0	21 000 *	45.5	49.7	23 400 *	50.1	50.9	24 400 *							32.0
34.0	22.7	39.7	16 000 *	30.7	43.7	18 000 *	34.7	45.4	19 100 *	40.5	47.6	21 100 *	45.5	49.1	23 200 *	50.0	50.0	22 600				34.0
36.0	10.7	33.1	11 800 *	23.2	39.8	16 500 *	28.1	42.2	17 400 *	34.9	45.0	19 200 *	40.5	46.9	21 200 *	45.4	48.1	21 000				36.0
38.0				11.8	33.4	13 400 *	19.7	37.7	16 000 *	28.4	41.8	17 500 *	34.9	44.3	19 300 *	40.4	46.0	19 600				38.0
40.0										20.0	37.3	16 100 *	28.4	41.1	17 600 *	34.7	43.4	18 300	40.0	44.8	17 600	40.0
42.0													20.1	36.6	16 100 *	28.2	40.1	17 200	34.3	42.1	16 500	42.0
44.0																19.8	35.6	16 100	27.7	38.8	15 600	44.0
46.0																			19.1	34.2	14 700	46.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

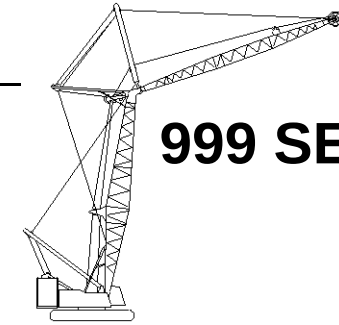
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.5	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	26 400 *													22.0
24.0	55.1	56.8	22 500 *	59.0	57.9	24 100 *	61.3	58.4	25 000 *													24.0
26.0	51.2	55.3	21 300 *	55.3	56.6	22 800 *	57.7	57.3	23 700 *	61.4	58.0	24 900 *										26.0
28.0	47.0	53.6	20 200 *	51.4	55.2	21 600 *	53.9	55.9	22 400 *	57.8	56.8	23 700 *										28.0
30.0	42.6	51.5	19 200 *	47.3	53.4	20 500 *	49.9	54.3	21 300 *	54.0	55.4	22 500 *										30.0
32.0	37.7	49.2	17 800 *	42.8	51.4	19 400 *	45.7	52.5	20 200 *	50.0	53.9	21 300 *	54.0	54.7	22 300 *							32.0
34.0	32.2	46.3	16 300 *	38.0	49.1	17 900 *	41.1	50.4	19 100 *	45.8	52.1	20 300 *	50.0	53.2	21 300 *							34.0
36.0	25.8	42.7	15 000 *	32.6	46.3	16 400 *	36.1	47.9	17 300 *	41.2	49.9	19 100 *	45.8	51.4	20 300 *	49.9	52.3	20 700				36.0
38.0	17.2	37.6	12 500 *	26.2	42.7	15 100 *	30.3	44.8	15 900 *	36.2	47.5	17 500 *	41.3	49.3	19 100 *	45.7	50.4	19 300				38.0
40.0				17.8	37.8	13 700 *	23.4	40.9	14 700 *	30.5	44.4	16 000 *	36.3	46.8	17 500 *	41.1	48.3	18 100	45.4	49.3	17 400	40.0
42.0							13.5	34.9	12 900 *	23.7	40.5	14 800 *	30.6	43.7	16 100 *	36.1	45.8	17 000	40.8	47.1	16 300	42.0
44.0										13.9	34.6	13 600 *	23.7	39.8	14 800 *	30.4	42.8	16 000	35.7	44.6	15 400	44.0
46.0																23.5	38.8	14 800 *	30.0	41.5	14 500	46.0
48.0																13.6	32.9	13 700 *	22.9	37.5	13 700	48.0
50.0																			12.6	31.2	13 000	50.0



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Liftcrane Luffing Jib Capacities

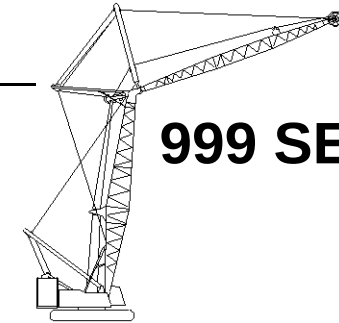
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	20 100 *										28.0
30.0	47.2	55.9	16 400 *	51.2	57.5	17 500 *	53.5	58.2	18 100 *	57.1	59.1	19 100 *										30.0
32.0	43.1	53.9	15 600 *	47.4	55.7	16 600 *	49.8	56.6	17 200 *	53.6	57.7	18 200 *	57.2	58.4	18 900 *							32.0
34.0	38.7	51.6	14 800 *	43.3	53.8	15 800 *	45.9	54.8	16 400 *	49.9	56.2	17 300 *	53.6	57.0	18 000 *							34.0
36.0	33.8	48.8	14 200 *	38.9	51.5	15 100 *	41.7	52.7	15 600 *	46.0	54.4	16 400 *	50.0	55.5	17 200 *							36.0
38.0	28.1	45.5	13 600 *	34.1	48.8	14 400 *	37.2	50.3	14 900 *	41.9	52.3	15 700 *	46.1	53.7	16 400 *	49.8	54.6	17 000 *				38.0
40.0	21.2	41.1	12 700 *	28.5	45.5	13 800 *	32.1	47.4	14 200 *	37.3	49.9	14 900 *	41.9	51.6	15 700 *	46.0	52.7	16 300 *				40.0
42.0	10.7	34.1	9 500 *	21.7	41.2	13 100 *	26.2	43.8	13 600 *	32.3	47.0	14 300 *	37.4	49.2	14 900 *	41.8	50.7	15 600 *	45.7	51.6	16 000 *	42.0
44.0				11.5	34.5	10 900 *	18.5	39.0	12 800 *	26.4	43.4	13 700 *	32.3	46.3	14 300 *	37.2	48.2	14 900 *	41.5	49.5	15 300	44.0
46.0										18.8	38.6	12 800 *	26.4	42.8	13 700 *	32.1	45.4	14 300 *	36.9	47.0	14 500	46.0
48.0													18.9	38.0	12 900 *	26.2	41.8	13 700 *	31.8	44.1	13 700	48.0
50.0																18.6	36.9	12 900 *	25.7	40.4	12 900	50.0
52.0																			18.0	35.5	12 300	52.0



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Liftcrane Luffing Jib Capacities

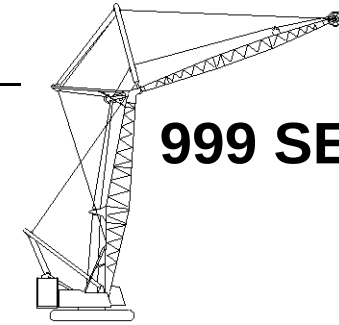
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	17 400 *										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	16 600 *										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	15 700 *	56.6	60.8	16 400 *							34.0
36.0	39.5	53.9	12 700 *	43.8	56.1	13 500 *	46.1	57.1	14 100 *	49.9	58.5	14 900 *	53.3	59.4	15 600 *							36.0
38.0	35.0	51.3	12 000 *	39.7	53.8	12 800 *	42.3	55.1	13 300 *	46.3	56.7	14 100 *	49.9	57.8	14 800 *							38.0
40.0	30.0	48.2	11 400 *	35.3	51.2	12 200 *	38.1	52.7	12 600 *	42.4	54.6	13 400 *	46.3	56.0	14 100 *	49.8	56.9	14 700 *				40.0
42.0	24.1	44.3	10 900 *	30.4	48.1	11 600 *	33.5	49.9	12 000 *	38.3	52.3	12 700 *	42.4	53.9	13 400 *	46.2	55.1	14 000 *				42.0
44.0	16.4	38.8	9 900 *	24.5	44.3	11 100 *	28.3	46.6	11 400 *	33.7	49.5	12 100 *	38.3	51.6	12 700 *	42.3	53.0	13 300 *				44.0
46.0				16.9	39.0	10 500 *	22.0	42.3	10 900 *	28.5	46.2	11 500 *	33.7	48.8	12 100 *	38.2	50.6	12 700 *	42.0	51.8	13 200 *	46.0
48.0							13.1	36.0	10 100 *	22.2	42.0	11 000 *	28.5	45.5	11 500 *	33.6	47.9	12 100 *	37.9	49.4	12 600 *	48.0
50.0										13.4	35.8	10 600 *	22.3	41.3	11 000 *	28.4	44.5	11 500 *	33.2	46.6	12 000 *	50.0
52.0																22.1	40.3	11 000 *	28.0	43.2	11 500 *	52.0
54.0																13.2	34.0	10 700 *	21.5	38.9	11 000 *	54.0
56.0																			12.3	32.3	10 700 *	56.0



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Liftcrane Luffing Jib Capacities

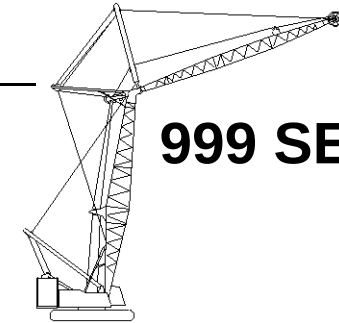
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	14 400 *										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	13 500 *	56.1	63.1	14 200 *							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	12 800 *	53.0	61.7	13 500 *							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	12 100 *	49.8	60.1	12 800 *							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	11 500 *	46.5	58.3	12 100 *	49.7	59.2	12 600 *				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	10 800 *	42.9	56.3	11 400 *	46.4	57.4	12 000 *				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	10 300 *	39.1	54.0	10 800 *	42.8	55.3	11 400 *	46.1	56.2	11 800 *	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	9 700 *	34.9	51.3	10 300 *	39.0	53.0	10 800 *	42.5	54.1	11 300 *	48.0
50.0				11.4	35.6	8 400 *	17.7	40.2	8 700 *	24.8	45.0	9 200 *	30.3	48.2	9 700 *	34.8	50.4	10 200 *	38.7	51.8	10 700 *	50.0
52.0										17.9	39.9	8 800 *	24.8	44.3	9 300 *	30.1	47.2	9 700 *	34.5	49.1	10 200 *	52.0
54.0													18.0	39.2	8 800 *	24.7	43.3	9 200 *	29.8	45.9	9 700 *	54.0
56.0																17.7	38.2	8 800 *	24.2	42.0	9 200 *	56.0
58.0																			17.1	36.7	8 800 *	58.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

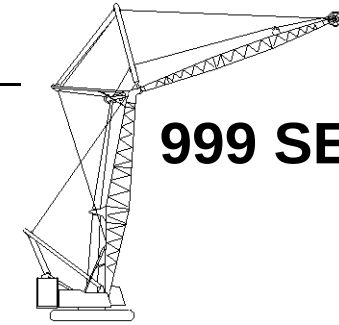
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.5	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	12 100 *							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	11 400 *							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	10 700 *							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	10 100 *	49.7	61.5	10 600 *				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	9 500 *	46.5	59.7	10 000 *				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	9 000 *	43.2	57.7	9 400 *	46.3	58.5	9 900 *	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	8 400 *	39.6	55.4	8 900 *	43.0	56.5	9 300 *	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	7 900 *	35.8	52.8	8 400 *	39.4	54.2	8 800 *	52.0
54.0							12.7	37.1	6 600 *	21.1	43.4	7 000 *	26.9	47.2	7 400 *	31.6	49.8	7 900 *	35.5	51.6	8 300 *	54.0
56.0										13.1	36.9	6 600 *		21.1	7 000 *	26.7	46.2	7 400 *	31.3	48.5	7 800 *	56.0
58.0																20.9	41.7	7 000 *	26.4	44.9	7 400 *	58.0
60.0																12.8	35.1	6 700 *	20.5	40.3	7 000 *	60.0
62.0																			12.1	33.4	6 700 *	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

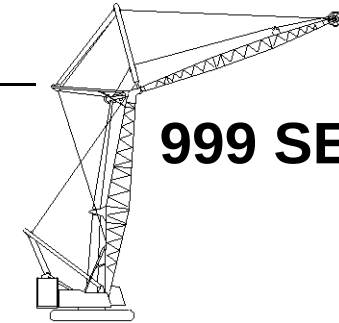
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	9 000 *				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	8 500 *				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	7 900 *				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	7 400 *	43.3	58.8	7 800 *	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	6 900 *	40.0	56.5	7 400 *	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	6 500 *	36.4	54.0	6 900 *	56.0
58.0										17.2	41.1	5 100 *	23.6	45.9	5 600 *	28.5	49.0	6 100 *	32.5	51.1	6 500 *	58.0
60.0													17.2	40.5	5 100 *	23.4	44.9	5 500 *	28.1	47.7	6 000 *	60.0
62.0																17.0	39.4	5 100 *	23.0	43.5	5 500 *	62.0
64.0																5.8	29.5	4 600 *	16.5	37.9	5 000 *	64.0



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Liftcrane Luffing Jib Capacities

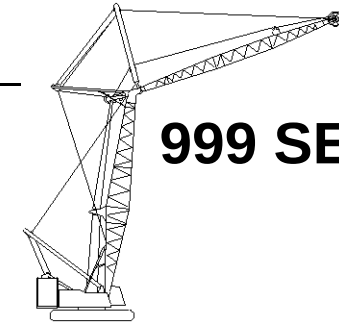
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	45 400 *b																16.0
18.0	46.0	45.2	39 300 *	54.3	46.9	42 800 *b	58.8	47.6	44 800 *b													18.0
20.0	37.9	43.0	34 300 *	47.4	45.3	40 500 *	52.3	46.2	42 400 *b	59.9	47.2	45 200 b										20.0
22.0	28.0	39.9	30 000 *	39.5	43.2	35 500 *	45.2	44.5	39 500 *	53.4	45.9	42 000 b										22.0
24.0	12.5	34.5	23 000 *	30.1	40.3	30 900 *	37.0	42.2	34 000 *	46.4	44.2	37 500	54.3	45.3	36 100							24.0
26.0							26.8	39.0	29 800 *	38.4	42.0	33 900	47.4	43.7	32 600							26.0
28.0										28.7	39.0	30 600 *	39.6	41.6	29 700	48.1	42.9	28 600				28.0
30.0										13.9	33.9	26 200 *	30.2	38.7	27 300	40.3	40.8	26 200				30.0
32.0													16.6	34.1	25 200	31.1	38.1	24 200	40.7	39.8	23 200	32.0
34.0																18.3	33.7	22 400	31.6	37.1	21 500	34.0
36.0																			19.1	32.8	20 000	36.0



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Liftcrane Luffing Jib Capacities

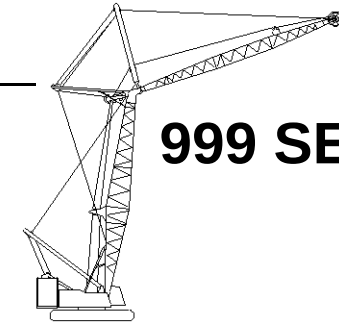
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	42 300 *b																16.0
18.0	52.5	49.2	36 500 *	59.3	50.6	39 800 *b	63.1	51.1	41 600 *b													18.0
20.0	46.3	47.5	34 400 *	53.7	49.2	37 400 *	57.7	50.0	39 200 *													20.0
22.0	39.4	45.3	30 200 *	47.6	47.6	35 100 *	51.9	48.6	37 000 *	58.6	49.6	39 600 *b										22.0
24.0	31.3	42.5	26 700 *	40.8	45.5	31 000 *	45.7	46.8	34 100 *	52.9	48.2	37 100										24.0
26.0	20.5	38.4	23 600 *	33.0	42.9	27 400 *	38.7	44.6	29 900 *	46.7	46.5	33 700	53.7	47.6	32 400							26.0
28.0				23.0	39.1	24 400 *	30.4	41.7	26 500 *	39.9	44.4	30 600	47.6	46.0	29 500							28.0
30.0							19.1	37.3	23 600 *	31.8	41.6	27 100 *	40.8	43.9	27 100	48.2	45.2	26 000				30.0
32.0										21.3	37.6	24 100 *	33.0	41.3	25 000	41.5	43.2	23 900				32.0
34.0													23.0	37.5	23 100	33.8	40.6	22 200	41.8	42.1	21 200	34.0
36.0																24.1	37.0	20 600	34.2	39.6	19 700	36.0
38.0																5.8	29.5	19 200	24.6	36.0	18 400	38.0



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Liftcrane Luffing Jib Capacities

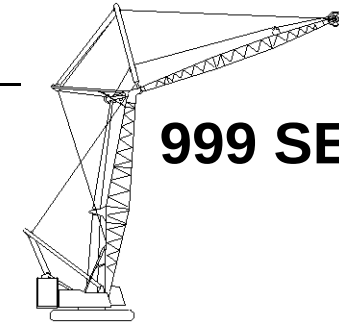
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	33 000 *	61.6	53.5	34 500 *													20.0
22.0	46.6	49.8	28 900 *	53.1	51.6	31 300 *	56.8	52.3	32 700 *													22.0
24.0	40.6	47.7	27 000 *	47.7	49.9	29 700 *	51.6	50.9	31 000 *	57.6	51.9	33 000 *										24.0
26.0	33.7	45.1	24 200 *	41.8	47.9	27 900 *	46.1	49.1	29 400 *	52.5	50.5	31 400 *										26.0
28.0	25.1	41.5	21 800 *	35.1	45.4	24 800 *	39.9	47.0	27 000 *	47.0	48.8	29 900 *	53.2	50.0	29 500							28.0
30.0	12.0	35.6	17 600 *	27.0	42.0	22 300 *	32.9	44.2	24 100 *	41.0	46.8	27 700 *	47.7	48.3	27 100							30.0
32.0				15.4	36.9	20 100 *	24.1	40.6	21 700 *	34.1	44.2	24 600 *	41.8	46.3	25 000	48.3	47.5	23 900				32.0
34.0										25.7	40.7	22 100 *	35.1	43.8	23 100	42.4	45.5	22 100				34.0
36.0										13.1	35.0	19 800 *	27.0	40.4	21 500	35.8	43.1	20 600	42.7	44.5	19 700	36.0
38.0													15.4	35.3	20 100	27.8	39.8	19 200	36.1	42.0	18 400	38.0
40.0																16.8	35.0	18 000	28.2	38.9	17 200	40.0
42.0																			17.5	34.1	16 200	42.0



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Liftcrane Luffing Jib Capacities

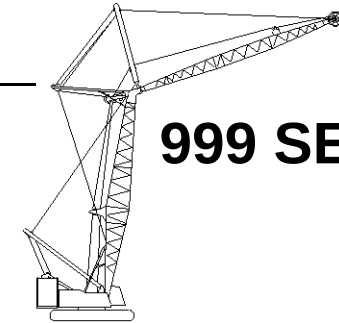
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 900 *													20.0
22.0	51.8	53.8	26 600 *	57.3	55.3	28 900 *	60.4	55.9	30 200 *													22.0
24.0	46.9	52.1	25 200 *	52.7	53.9	27 300 *	56.0	54.6	28 600 *													24.0
26.0	41.5	50.0	24 000 *	47.9	52.2	25 900 *	51.3	53.2	27 100 *	56.7	54.3	28 900 *										26.0
28.0	35.4	47.5	21 800 *	42.6	50.2	24 500 *	46.4	51.4	25 700 *	52.1	52.8	27 400 *										28.0
30.0	28.3	44.3	19 800 *	36.7	47.8	22 400 *	40.9	49.3	24 100 *	47.2	51.1	26 100 *	52.8	52.3	26 900							30.0
32.0	18.9	39.7	18 000 *	29.8	44.7	20 200 *	34.8	46.7	21 700 *	41.8	49.1	24 500 *	47.9	50.6	24 800							32.0
34.0				21.0	40.5	18 400 *	27.5	43.4	19 700 *	35.8	46.6	22 100 *	42.6	48.6	22 900	48.3	49.8	21 900				34.0
36.0							17.7	38.6	17 900 *	28.8	43.5	20 000 *	36.7	46.2	21 300	43.1	47.9	20 400				36.0
38.0										19.6	39.0	18 200 *	29.8	43.2	19 900	37.3	45.5	19 000	43.3	46.8	18 200	38.0
40.0													21.0	38.9	18 500 *	30.5	42.5	17 800	37.5	44.4	17 000	40.0
42.0																22.0	38.4	16 700	30.9	41.5	15 900	42.0
44.0																6.9	30.7	15 700	22.5	37.5	15 000	44.0



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Liftcrane Luffing Jib Capacities

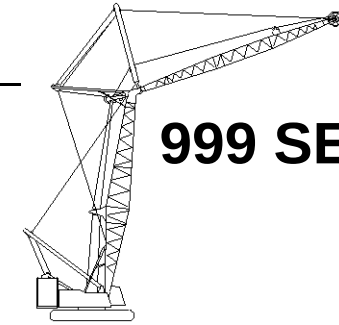
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	30 500 *													20.0
22.0	55.8	57.6	25 700 *	60.6	58.8	27 800 *	63.4	59.3	28 900 *													22.0
24.0	51.6	56.1	24 400 *	56.6	57.6	26 300 *	59.5	58.2	27 400 *													24.0
26.0	47.1	54.4	23 200 *	52.4	56.2	25 000 *	55.4	57.0	26 000 *	60.1	57.8	27 600 *										26.0
28.0	42.2	52.4	21 900 *	48.0	54.5	23 700 *	51.1	55.5	24 700 *	56.1	56.6	26 200 *										28.0
30.0	36.8	50.0	19 800 *	43.2	52.5	22 300 *	46.6	53.7	23 500 *	51.8	55.1	25 000 *										30.0
32.0	30.7	47.0	18 100 *	37.9	50.2	20 200 *	41.7	51.7	21 700 *	47.4	53.4	23 800 *	52.4	54.6	24 700							32.0
34.0	23.1	43.0	16 400 *	31.9	47.3	18 400 *	36.3	49.2	19 700 *	42.5	51.4	22 200 *	48.0	52.9	22 900							34.0
36.0	11.7	36.6	12 900 *	24.7	43.6	16 800 *	30.0	46.1	18 000 *	37.2	49.0	20 000 *	43.2	50.9	21 300	48.4	52.1	20 300				36.0
38.0				14.6	38.0	14 900 *	22.2	42.0	16 400 *	31.1	46.1	18 300 *	37.9	48.6	19 900	43.6	50.2	19 000				38.0
40.0										23.6	42.2	16 700 *	31.9	45.7	18 500	38.4	47.9	17 700	43.9	49.1	16 900	40.0
42.0										12.7	36.1	15 000 *	24.7	42.0	17 000 *	32.6	45.1	16 700	38.7	46.8	15 900	42.0
44.0													14.6	36.4	15 600 *	25.5	41.5	15 700	32.9	44.1	15 000	44.0
46.0																15.8	36.2	14 800	25.9	40.5	14 100	46.0
48.0																			16.4	35.3	13 400	48.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

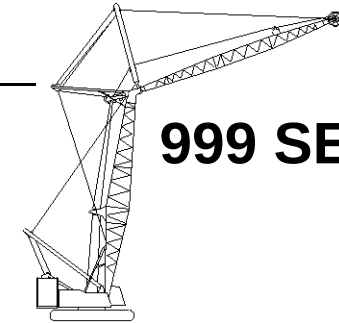
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	26 600 *													22.0
24.0	55.3	59.9	22 500 *	59.7	61.2	24 400 *	62.2	61.7	25 300 *													24.0
26.0	51.4	58.4	21 300 *	56.0	59.9	23 100 *	58.6	60.6	24 000 *	62.8	61.3	25 300 *										26.0
28.0	47.2	56.7	20 200 *	52.1	58.5	21 800 *	54.9	59.3	22 800 *	59.2	60.2	24 200 *										28.0
30.0	42.8	54.7	19 200 *	48.0	56.8	20 700 *	51.0	57.8	21 600 *	55.5	58.9	22 900 *										30.0
32.0	38.0	52.4	18 000 *	43.7	54.9	19 600 *	46.8	56.0	20 500 *	51.6	57.4	21 800 *	56.0	58.3	22 900 *							32.0
34.0	32.5	49.5	16 400 *	38.9	52.6	18 400 *	42.3	54.0	19 400 *	47.5	55.7	20 700 *	52.1	56.9	21 800 *							34.0
36.0	26.1	46.0	15 100 *	33.6	49.9	16 800 *	37.5	51.6	17 900 *	43.1	53.8	19 700 *	48.1	55.2	20 800 *							36.0
38.0	17.8	41.0	13 300 *	27.5	46.5	15 400 *	31.9	48.7	16 400 *	38.3	51.4	18 200 *	43.7	53.3	19 700 *	48.4	54.4	18 700 *				38.0
40.0				19.6	41.9	14 100 *	25.4	45.1	15 100 *	32.9	48.6	16 700 *	38.9	51.0	18 400 *	44.1	52.5	17 500 *				40.0
42.0							16.7	39.9	13 800 *	26.6	45.1	15 300 *	33.6	48.3	16 900 *	39.4	50.3	16 500 *	44.3	51.4	15 700 *	42.0
44.0										18.4	40.3	14 100 *	27.5	44.9	15 500 *	34.2	47.6	15 500 *	39.6	49.2	14 700 *	44.0
46.0													19.6	40.3	14 300 *	28.1	44.3	14 600 *	34.4	46.6	13 900 *	46.0
48.0																20.5	39.8	13 800 *	28.4	43.3	13 100 *	48.0
50.0																7.5	31.8	13 100 *	20.9	38.9	12 400 *	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

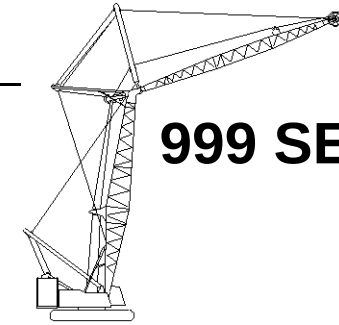
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	19 400 *	61.8	63.7	20 400 *										28.0
30.0	47.4	59.0	16 400 *	51.9	60.8	17 700 *	54.5	61.6	18 400 *	58.5	62.6	19 500 *										30.0
32.0	43.3	57.0	15 600 *	48.1	59.1	16 800 *	50.8	60.1	17 500 *	55.0	61.2	18 500 *										32.0
34.0	38.9	54.7	14 900 *	44.1	57.2	16 000 *	47.0	58.3	16 600 *	51.4	59.8	17 700 *	55.5	60.7	18 500 *							34.0
36.0	34.0	52.0	14 200 *	39.8	55.0	15 200 *	42.9	56.3	15 800 *	47.6	58.0	16 800 *	51.9	59.2	17 700 *							36.0
38.0	28.5	48.7	13 600 *	35.0	52.3	14 500 *	38.4	54.0	15 000 *	43.6	56.1	16 000 *	48.1	57.5	16 900 *							38.0
40.0	21.6	44.5	12 900 *	29.6	49.2	13 900 *	33.5	51.2	14 400 *	39.2	53.8	15 200 *	44.1	55.6	16 100 *	48.5	56.7	16 800 *				40.0
42.0	11.5	37.7	10 400 *	23.1	45.1	13 300 *	27.8	47.9	13 800 *	34.4	51.1	14 500 *	39.8	53.4	15 300 *	44.5	54.8	16 100 *				42.0
44.0				14.0	39.2	11 900 *	20.8	43.4	13 100 *	28.8	47.9	13 900 *	35.0	50.7	14 700 *	40.2	52.6	15 400 *	44.7	53.7	14 700	44.0
46.0										22.1	43.7	13 300 *	29.6	47.6	14 100 *	35.5	50.0	14 600	40.4	51.6	13 900	46.0
48.0										12.3	37.2	12 100 *	23.1	43.5	13 400 *	30.2	46.9	13 800	35.7	49.0	13 100	48.0
50.0													14.0	37.6	12 500 *	23.8	43.0	13 100	30.4	45.9	12 400	50.0
52.0																15.1	37.3	12 400	24.1	42.1	11 700	52.0
54.0																			15.6	36.5	11 200	54.0



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Liftcrane Luffing Jib Capacities

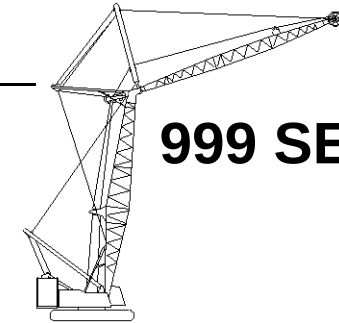
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	17 800 *										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	16 900 *										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	16 000 *										34.0
36.0	39.7	57.1	12 700 *	44.5	59.5	13 700 *	47.1	60.6	14 300 *	51.2	62.1	15 200 *	55.0	63.0	16 000 *							36.0
38.0	35.3	54.5	12 000 *	40.5	57.3	13 000 *	43.3	58.6	13 500 *	47.7	60.3	14 400 *	51.7	61.5	15 200 *							38.0
40.0	30.3	51.4	11 500 *	36.2	54.8	12 300 *	39.3	56.4	12 800 *	44.0	58.4	13 700 *	48.2	59.8	14 500 *	52.0	60.7	15 100 *				40.0
42.0	24.5	47.5	10 900 *	31.3	51.8	11 700 *	34.8	53.7	12 200 *	39.9	56.2	13 000 *	44.5	57.9	13 800 *	48.5	59.0	14 400 *				42.0
44.0	16.9	42.2	10 500 *	25.7	48.1	11 200 *	29.8	50.5	11 600 *	35.6	53.6	12 300 *	40.5	55.7	13 100 *	44.8	57.1	13 800 *				44.0
46.0				18.6	43.2	10 700 *	23.8	46.6	11 100 *	30.6	50.5	11 800 *	36.2	53.2	12 400 *	40.9	55.0	13 100 *	45.0	56.1	13 600	46.0
48.0							15.9	41.1	10 600 *	24.9	46.7	11 200 *	31.3	50.2	11 900 *	36.6	52.5	12 500 *	41.1	53.9	12 900	48.0
50.0										17.4	41.6	10 800 *	25.7	46.5	11 300 *	31.8	49.5	11 900 *	36.8	51.4	12 200	50.0
52.0													18.6	41.6	10 800 *	26.3	45.9	11 400 *	32.1	48.5	11 600	52.0
54.0																19.4	41.2	10 900 *	26.6	45.0	11 000	54.0
56.0																8.0	32.9	10 600 *	19.7	40.3	10 400	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

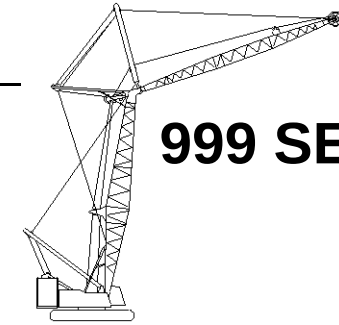
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.7	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	15 500 *										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	14 700 *										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	13 900 *										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	13 100 *	54.7	65.3	13 900 *							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	12 400 *	51.5	63.8	13 200 *							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	11 700 *	48.2	62.1	12 500 *							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	11 100 *	44.8	60.2	11 800 *	48.6	61.3	12 400 *				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	10 500 *	41.1	58.1	11 200 *	45.1	59.4	11 800 *				46.0
48.0	11.3	38.8	8 000 *	21.8	46.6	8 900 *	26.2	49.5	9 300 *	32.1	53.1	10 000 *	37.1	55.6	10 600 *	41.5	57.3	11 200 *	45.3	58.4	11 700 *	48.0
50.0				13.5	40.3	8 600 *	19.7	44.8	8 900 *	27.1	49.6	9 400 *	32.8	52.7	10 000 *	37.5	54.9	10 600 *	41.6	56.3	11 100 *	50.0
52.0										20.9	45.1	8 900 *	27.8	49.3	9 500 *	33.2	52.1	10 100 *	37.7	53.8	10 600 *	52.0
54.0										12.0	38.3	8 600 *	21.8	45.0	9 100 *	28.3	48.7	9 600 *	33.4	51.0	10 100 *	54.0
56.0													13.5	38.7	8 700 *	22.4	44.5	9 100 *	28.5	47.7	9 600 *	56.0
58.0																14.5	38.5	8 700 *	22.7	43.5	9 100 *	58.0
60.0																			15.0	37.7	8 800 *	60.0



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Liftcrane Luffing Jib Capacities

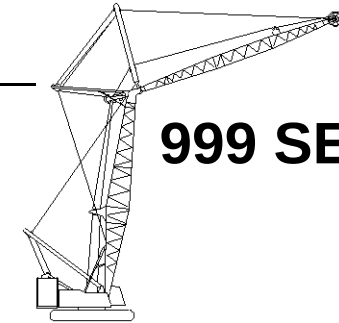
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	11 800 *							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	11 100 *							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	9 800 *	48.3	64.4	10 400 *							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	9 200 *	45.1	62.5	9 800 *	48.6	63.6	10 400 *				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	9 300 *	45.4	61.7	9 800 *				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	8 700 *	42.0	59.6	9 300 *	45.5	60.7	9 800 *	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	8 200 *	38.3	57.3	8 700 *	42.1	58.6	9 200 *	52.0
54.0							15.3	42.2	6 700 *	23.5	48.2	7 200 *	29.5	52.0	7 700 *	34.4	54.6	8 200 *	38.5	56.2	8 700 *	54.0
56.0										16.7	42.8	6 800 *	24.3	48.1	7 300 *	29.9	51.4	7 800 *	34.6	53.5	8 200 *	56.0
58.0													17.7	42.9	6 900 *	24.8	47.5	7 300 *	30.2	50.4	7 800 *	58.0
60.0																18.5	42.5	6 900 *	25.1	46.6	7 300 *	60.0
62.0																8.3	34.0	6 600 *	18.8	41.6	6 900 *	62.0
64.0																			9.0	33.5	6 600 *	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

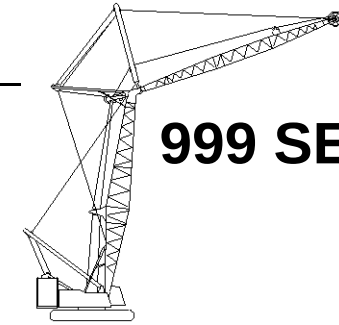
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.8	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	10 700 *							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	10 000 *							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	9 400 *							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	8 800 *	51.5	67.6	9 400 *				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	8 300 *	48.6	65.9	8 800 *				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	7 700 *	45.6	64.0	8 300 *				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	7 200 *	42.4	62.0	7 800 *	45.7	63.0	8 200 *	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	6 700 *	39.0	59.6	7 300 *	42.6	60.9	7 700 *	54.0
56.0				13.2	41.4	4 900 *	18.8	46.1	5 200 *	25.6	51.2	5 800 *	30.9	54.6	6 300 *	35.4	57.0	6 800 *	39.2	58.6	7 300 *	56.0
58.0										19.9	46.4	5 200 *	26.3	51.0	5 800 *	31.3	54.0	6 300 *	35.5	56.0	6 800 *	58.0
60.0										11.8	39.4	4 800 *	20.8	46.4	5 300 *	26.8	50.4	5 900 *	31.5	53.0	6 400 *	60.0
62.0													13.2	39.8	4 900 *	21.3	45.9	5 400 *	27.0	49.4	5 900 *	62.0
64.0																14.1	39.6	4 900 *	21.6	45.0	5 400 *	64.0
66.0																			14.5	38.8	4 900 *	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

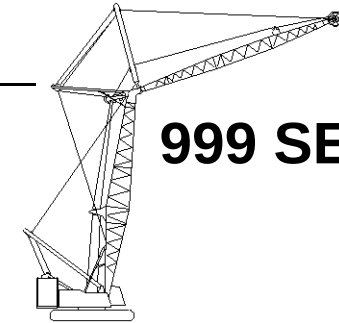
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	45 800 *b																16.0
18.0	46.4	48.3	39 500 *	55.5	50.2	43 200 *b	60.5	50.9	45 400 *b													18.0
20.0	38.4	46.1	34 700 *	48.7	48.7	40 900 *	54.1	49.6	43 000 *b	62.3	50.6	45 300 b										20.0
22.0	28.6	43.1	30 300 *	41.1	46.7	36 500 *	47.2	48.0	40 300 *	56.0	49.4	41 000 b										22.0
24.0	13.7	38.0	23 100 *	32.1	44.0	31 900 *	39.3	45.9	35 400 *	49.3	47.9	37 000										24.0
26.0							29.8	43.0	31 000 *	41.7	45.9	33 500	51.1	47.5	32 000							26.0
28.0										32.8	43.3	30 500	43.8	45.6	29 200							28.0
30.0										21.0	39.4	28 000	35.3	43.2	26 800	45.4	45.0	25 600				30.0
32.0													24.6	39.7	24 700	37.3	42.7	23 600	46.7	44.0	22 500	32.0
34.0																27.2	39.6	21 800	38.7	41.9	20 800	34.0
36.0																			29.1	38.9	19 400	36.0
38.0																			14.7	33.9	18 100	38.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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

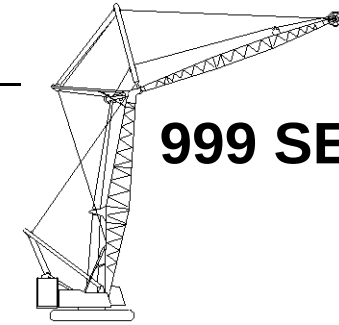
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity 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	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	42 600 *b																16.0
18.0	52.8	52.3	36 600 *	60.3	53.8	40 100 *b	64.5	54.4	42 200 *b													18.0
20.0	46.7	50.6	34 500 *	54.7	52.5	37 800 *	59.1	53.3	39 800 *b													20.0
22.0	39.8	48.5	30 500 *	48.7	51.0	35 600 *	53.5	52.0	37 600 *	60.7	53.0	40 100 b										22.0
24.0	31.8	45.7	27 200 *	42.1	49.0	31 900 *	47.4	50.3	35 000 *	55.2	51.7	36 800										24.0
26.0	21.2	41.7	24 100 *	34.6	46.5	28 200 *	40.6	48.2	30 900 *	49.2	50.2	33 300	56.6	51.2	31 800							26.0
28.0				25.1	43.0	25 300 *	32.8	45.5	27 500 *	42.7	48.3	30 300	50.8	49.8	28 900							28.0
30.0							22.6	41.7	24 700 *	35.2	45.8	27 800	44.5	47.9	26 500							30.0
32.0										26.0	42.4	25 500	37.3	45.6	24 500	45.9	47.3	23 400				32.0
34.0													28.6	42.5	22 700	38.9	45.1	21 600				34.0
36.0													16.3	37.7	21 100	30.7	42.2	20 100	40.1	44.2	19 100	36.0
38.0																19.6	38.0	18 800	32.2	41.5	17 800	38.0
40.0																			21.8	37.6	16 700	40.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

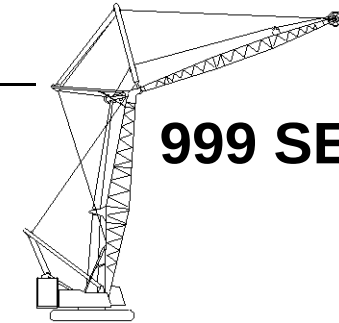
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

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	35 200 *b																18.0
20.0	52.4	54.6	30 500 *	59.1	56.2	33 300 *	62.9	56.8	34 900 *b													20.0
22.0	46.9	52.9	28 900 *	54.1	54.9	31 600 *	58.1	55.6	33 100 *													22.0
24.0	40.9	50.9	27 300 *	48.8	53.3	29 900 *	53.0	54.3	31 400 *	59.5	55.4	33 600 *										24.0
26.0	34.1	48.3	24 700 *	42.9	51.3	28 500 *	47.6	52.6	29 900 *	54.5	54.1	32 000 *										26.0
28.0	25.7	44.8	22 400 *	36.4	48.9	25 600 *	41.6	50.6	28 100 *	49.2	52.5	30 300	55.8	53.6	29 000							28.0
30.0	13.0	39.1	18 300 *	28.6	45.8	23 100 *	34.9	48.0	25 000 *	43.4	50.6	27 900	50.6	52.1	26 500							30.0
32.0				18.1	41.1	21 000 *	26.7	44.7	22 700 *	36.9	48.2	25 700	45.0	50.3	24 500	51.8	51.3	23 300				32.0
34.0										29.3	45.1	23 300 *	38.7	48.0	22 700	46.2	49.6	21 600				34.0
36.0										19.1	40.7	21 200 *	31.4	45.2	21 100	40.1	47.5	20 100				36.0
38.0													22.2	41.2	19 700	33.1	44.8	18 700	41.2	46.6	17 800	38.0
40.0																24.4	41.1	17 600	34.4	44.0	16 700	40.0
42.0																			26.1	40.6	15 700	42.0
44.0																			13.8	35.0	14 700	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

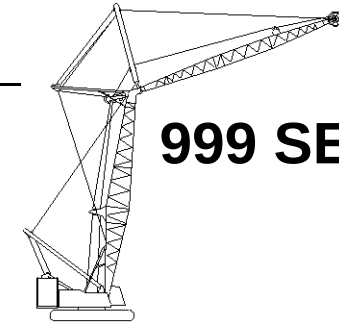
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	30 900 *	65.8	60.2	32 400 *													20.0
22.0	52.1	56.9	26 600 *	58.2	58.5	29 100 *	61.6	59.2	30 600 *													22.0
24.0	47.2	55.2	25 300 *	53.6	57.2	27 600 *	57.2	58.0	29 000 *													24.0
26.0	41.8	53.2	24 100 *	48.8	55.6	26 200 *	52.6	56.6	27 500 *	58.5	57.7	29 400 *										26.0
28.0	35.8	50.7	22 300 *	43.6	53.6	24 800 *	47.7	54.9	26 100 *	54.0	56.4	27 900 *										28.0
30.0	28.7	47.5	20 200 *	37.8	51.3	23 000 *	42.4	52.9	24 600 *	49.2	54.8	26 600 *	55.2	55.9	26 300							30.0
32.0	19.5	43.1	18 500 *	31.2	48.4	20 900 *	36.5	50.5	22 500 *	44.0	52.9	25 400 *	50.5	54.4	24 300							32.0
34.0				22.9	44.5	19 100 *	29.6	47.4	20 500 *	38.3	50.6	23 200 *	45.4	52.6	22 500	51.5	53.6	21 400				34.0
36.0							20.7	43.1	18 700 *	31.7	47.8	21 000 *	39.8	50.4	20 900	46.5	51.9	19 800				36.0
38.0										23.6	43.9	19 300 *	33.5	47.7	19 500	41.1	49.8	18 500				38.0
40.0													26.0	44.2	18 300	35.0	47.3	17 300	42.0	48.9	16 400	40.0
42.0													15.2	38.9	17 200	27.8	44.0	16 300	36.1	46.5	15 400	42.0
44.0																18.1	39.3	15 300	29.1	43.3	14 500	44.0
46.0																			20.0	38.9	13 700	46.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

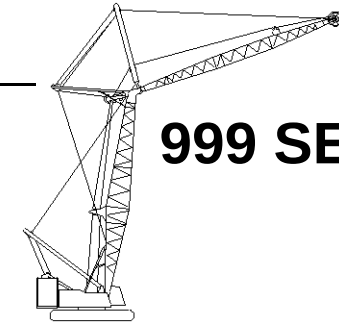
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	28 000 *	64.4	62.6	29 200 *													22.0
24.0	51.8	59.3	24 400 *	57.4	60.9	26 500 *	60.5	61.5	27 700 *													24.0
26.0	47.3	57.5	23 200 *	53.2	59.5	25 200 *	56.5	60.3	26 300 *	61.6	61.2	28 000 *										26.0
28.0	42.5	55.5	22 100 *	48.8	57.9	24 000 *	52.3	58.9	25 000 *	57.7	60.1	26 700 *										28.0
30.0	37.1	53.1	20 400 *	44.1	56.0	22 800 *	47.8	57.2	23 800 *	53.5	58.7	25 400 *										30.0
32.0	31.0	50.2	18 600 *	38.9	53.7	21 000 *	43.0	55.2	22 800 *	49.2	57.1	24 300 *	54.6	58.2	24 200							32.0
34.0	23.6	46.3	16 900 *	33.1	50.9	19 200 *	37.8	52.9	20 700 *	44.5	55.2	23 100 *	50.3	56.7	22 400							34.0
36.0	12.6	40.2	13 700 *	26.2	47.4	17 500 *	31.8	50.0	18 800 *	39.4	53.0	21 400 *	45.7	54.9	20 800							36.0
38.0				16.9	42.4	16 100 *	24.5	46.3	17 300 *	33.6	50.3	19 400 *	40.7	52.7	19 500	46.7	54.2	18 500				38.0
40.0										26.8	46.8	17 700 *	35.2	50.2	18 200	41.9	52.2	17 300				40.0
42.0										17.8	42.0	16 300 *	28.7	47.0	17 100	36.4	49.7	16 200	42.7	51.2	15 400	42.0
44.0													20.5	42.6	16 100	30.2	46.7	15 300	37.4	48.9	14 500	44.0
46.0																22.5	42.6	14 400	31.3	45.9	13 600	46.0
48.0																			23.9	42.1	12 900	48.0
50.0																			13.2	36.2	12 200	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

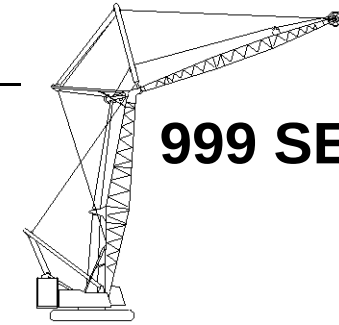
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.9	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	26 900 *													22.0
24.0	55.5	63.0	22 600 *	60.4	64.4	24 600 *	63.2	65.0	25 600 *													24.0
26.0	51.6	61.6	21 400 *	56.7	63.2	23 300 *	59.6	63.9	24 300 *													26.0
28.0	47.5	59.8	20 200 *	52.9	61.8	22 000 *	55.9	62.6	23 100 *	60.7	63.6	24 500 *										28.0
30.0	43.1	57.9	19 300 *	48.8	60.2	20 900 *	52.0	61.2	21 900 *	57.0	62.4	23 400 *										30.0
32.0	38.2	55.5	18 300 *	44.5	58.3	19 900 *	47.9	59.5	20 800 *	53.2	61.0	22 200 *	58.0	61.9	23 400 *							32.0
34.0	32.9	52.7	16 900 *	39.8	56.1	18 800 *	43.6	57.6	19 700 *	49.1	59.4	21 200 *	54.2	60.5	22 200 *							34.0
36.0	26.5	49.2	15 600 *	34.7	53.4	17 500 *	38.8	55.3	18 700 *	44.9	57.5	20 100 *	50.2	59.0	20 600 *							36.0
38.0	18.3	44.4	13 900 *	28.7	50.2	16 000 *	33.5	52.5	17 200 *	40.2	55.3	19 200 *	46.0	57.2	19 200 *							38.0
40.0				21.3	45.9	14 800 *	27.3	49.1	15 800 *	35.1	52.8	17 700 *	41.5	55.1	18 000 *	46.9	56.5	17 100 *				40.0
42.0							19.4	44.5	14 600 *	29.2	49.6	16 200 *	36.5	52.6	16 900 *	42.5	54.5	16 000 *				42.0
44.0										21.9	45.4	14 900 *	30.8	49.6	15 900 *	37.6	52.1	15 000 *	43.2	53.6	14 200 *	44.0
46.0													24.0	45.8	15 000 *	32.1	49.2	14 200 *	38.5	51.3	13 400 *	46.0
48.0													14.5	40.0	14 100 *	25.6	45.6	13 400 *	33.1	48.5	12 600 *	48.0
50.0																17.0	40.5	12 700 *	26.8	45.0	12 000 *	50.0
52.0																			18.7	40.2	11 300 *	52.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

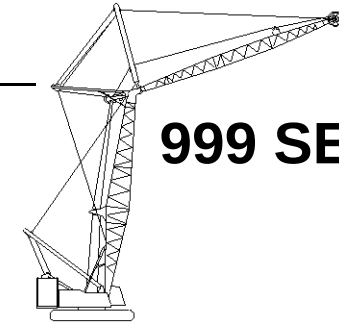
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	19 600 *													28.0
30.0	47.6	62.1	16 500 *	52.6	64.1	17 800 *	55.4	65.0	18 600 *	59.8	66.0	19 800 *										30.0
32.0	43.5	60.2	15 700 *	48.8	62.5	17 000 *	51.8	63.5	17 700 *	56.4	64.7	18 900 *										32.0
34.0	39.2	57.9	14 900 *	44.9	60.6	16 100 *	48.0	61.8	16 800 *	52.9	63.3	18 000 *										34.0
36.0	34.3	55.2	14 300 *	40.6	58.4	15 300 *	44.0	59.9	16 000 *	49.1	61.7	17 200 *	53.8	62.8	18 100 *							36.0
38.0	28.8	52.0	13 700 *	35.9	55.9	14 600 *	39.7	57.6	15 300 *	45.2	59.8	16 300 *	50.1	61.3	17 300 *							38.0
40.0	22.0	47.8	13 100 *	30.7	52.8	14 000 *	34.9	55.0	14 600 *	41.0	57.7	15 600 *	46.2	59.5	16 500 *	50.9	60.6	17 100				40.0
42.0	12.2	41.3	11 100 *	24.4	49.0	13 500 *	29.4	51.8	14 000 *	36.3	55.2	14 900 *	42.1	57.4	15 700 *	47.1	58.8	16 000				42.0
44.0				16.0	43.6	12 900 *	22.9	47.8	13 400 *	31.1	52.2	14 200 *	37.6	55.0	15 100 *	43.0	56.8	15 100				44.0
46.0										25.0	48.4	13 600 *	32.5	52.2	14 400 *	38.6	54.5	14 200	43.7	55.9	13 400	46.0
48.0										16.8	43.2	13 000 *	26.7	48.7	13 800 *	33.7	51.8	13 400	39.3	53.6	12 600	48.0
50.0													19.3	43.9	13 200 *	28.0	48.4	12 700	34.5	51.0	12 000	50.0
52.0																21.1	44.0	12 000	29.0	47.7	11 300	52.0
54.0																			22.4	43.6	10 700	54.0
56.0																			12.8	37.3	10 200	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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

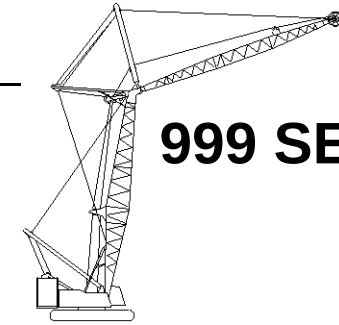
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity 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	75.8	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	16 100 *	59.1	68.3	17 200 *										32.0
34.0	43.9	62.5	13 400 *	48.8	64.8	14 600 *	51.6	65.8	15 300 *	55.9	67.1	16 400 *										34.0
36.0	39.9	60.3	12 700 *	45.2	62.9	13 800 *	48.1	64.1	14 500 *	52.6	65.6	15 500 *										36.0
38.0	35.5	57.7	12 100 *	41.3	60.8	13 100 *	44.4	62.2	13 700 *	49.1	64.0	14 700 *	53.5	65.2	15 600 *							38.0
40.0	30.6	54.6	11 500 *	37.0	58.3	12 400 *	40.4	60.0	13 000 *	45.5	62.1	14 000 *	50.0	63.6	14 900 *							40.0
42.0	24.8	50.8	11 000 *	32.3	55.4	11 800 *	36.0	57.5	12 400 *	41.6	60.0	13 300 *	46.4	61.8	14 200 *	50.8	62.9	14 800 *				42.0
44.0	17.4	45.6	10 600 *	26.8	51.9	11 300 *	31.2	54.4	11 800 *	37.3	57.6	12 600 *	42.6	59.8	13 400 *	47.2	61.1	14 200 *				44.0
46.0				20.1	47.3	10 800 *	25.5	50.7	11 200 *	32.7	54.8	12 000 *	38.5	57.4	12 800 *	43.5	59.1	13 500 *				46.0
48.0							18.3	45.8	10 800 *	27.3	51.3	11 500 *	33.9	54.7	12 200 *	39.4	56.9	12 900 *	44.1	58.2	12 400	48.0
50.0										20.7	46.8	10 900 *	28.8	51.4	11 600 *	35.0	54.2	12 300 *	40.1	56.0	11 700	50.0
52.0													22.6	47.2	11 100 *	30.0	51.1	11 700 *	35.7	53.4	11 100	52.0
54.0													14.0	41.2	10 700 *	24.0	47.2	11 200	30.8	50.4	10 500	54.0
56.0																16.2	41.7	10 600	25.1	46.6	10 000	56.0
58.0																			17.7	41.5	9 500	58.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

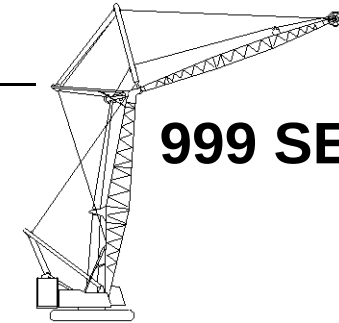
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

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	15 800 *										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	15 000 *										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	14 200 *										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	13 400 *										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	12 700 *	53.2	67.5	13 500 *							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	12 000 *	50.0	65.9	12 800 *							42.0
44.0	27.0	53.7	9 200 *	33.6	57.9	10 000 *	37.0	59.9	10 500 *	42.1	62.4	11 400 *	46.6	64.1	12 200 *	50.7	65.2	12 800 *				44.0
46.0	20.8	49.2	8 800 *	28.8	54.6	9 500 *	32.6	57.0	9 900 *	38.2	60.0	10 800 *	43.1	62.1	11 500 *	47.4	63.4	12 200 *				46.0
48.0	12.0	42.4	8 200 *	23.0	50.5	9 000 *	27.6	53.6	9 400 *	34.0	57.3	10 200 *	39.2	59.8	10 900 *	43.8	61.5	11 600 *				48.0
50.0				15.4	44.8	8 600 *	21.6	49.2	9 000 *	29.2	54.0	9 600 *	35.1	57.2	10 300 *	40.1	59.2	11 000 *	44.4	60.5	11 500 *	50.0
52.0										23.5	50.0	9 200 *	30.5	54.0	9 800 *	36.0	56.7	10 500 *	40.7	58.4	11 000 *	52.0
54.0										16.1	44.4	8 800 *	25.1	50.3	9 300 *	31.5	53.7	9 900 *	36.7	55.9	10 400	54.0
56.0													18.3	45.2	8 900 *	26.3	50.1	9 400 *	32.3	52.9	9 900	56.0
58.0																20.0	45.4	9 000 *	27.3	49.5	9 400	58.0
60.0																			21.1	45.0	8 900	60.0
62.0																			12.5	38.4	8 500	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

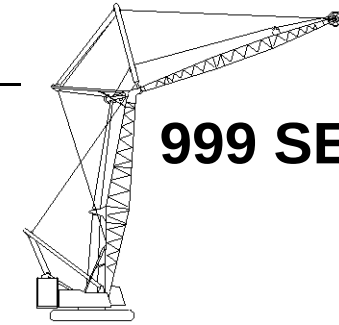
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.8	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	12 800 *										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	12 100 *										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	11 300 *	55.8	71.2	12 100 *							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	10 600 *	52.9	69.8	11 400 *							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	10 000 *	49.9	68.2	10 800 *							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	9 400 *	46.8	66.4	10 200 *	50.6	67.5	10 800 *				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	8 900 *	43.4	64.4	9 600 *	47.5	65.7	10 200 *				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	8 300 *	39.9	62.2	9 000 *	44.2	63.8	9 700 *				50.0
52.0				19.1	48.6	6 900 *	24.1	52.3	7 200 *	30.7	56.6	7 800 *	36.1	59.6	8 500 *	40.7	61.6	9 100 *	44.7	62.8	9 700 *	52.0
54.0							17.5	47.0	6 800 *	25.8	52.9	7 400 *	31.9	56.6	8 000 *	37.0	59.1	8 600 *	41.3	60.7	9 100 *	54.0
56.0										19.7	48.1	7 000 *	27.1	53.1	7 500 *	32.8	56.2	8 100 *	37.6	58.3	8 600 *	56.0
58.0													21.4	48.7	7 100 *	28.2	52.9	7 600 *	33.6	55.5	8 100 *	58.0
60.0													13.6	42.3	6 700 *	22.8	48.7	7 200 *	29.0	52.2	7 700 *	60.0
62.0																15.6	42.9	6 800 *	23.7	48.1	7 300 *	62.0
64.0																			17.0	42.8	6 900 *	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

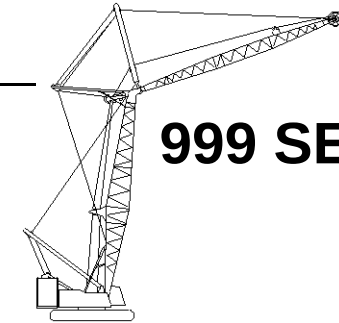
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	10 400 *							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	9 700 *							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	9 100 *							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	8 600 *	50.5	69.8	9 200 *				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	8 000 *	47.5	68.0	8 600 *				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	7 500 *	44.5	66.1	8 100 *				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	7 000 *	41.2	63.9	7 600 *	45.0	65.1	8 100 *	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	6 600 *	37.7	61.5	7 100 *	41.8	63.0	7 600 *	56.0
58.0										22.3	51.4	5 500 *	28.8	55.8	6 100 *	34.0	58.7	6 600 *	38.3	60.7	7 100 *	58.0
60.0										15.5	45.6	5 000 *	23.8	51.8	5 600 *	29.8	55.5	6 200 *	34.6	58.0	6 700 *	60.0
62.0													17.5	46.5	5 100 *	25.0	51.7	5 700 *	30.5	54.8	6 300 *	62.0
64.0													7.2	37.4	4 700 *	19.1	46.7	5 200 *	25.8	51.1	5 800 *	64.0
66.0																			20.2	46.4	5 300 *	66.0
68.0																			12.2	39.5	4 900 *	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

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

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

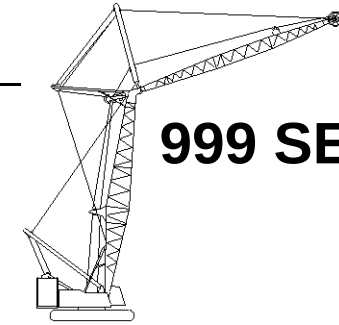
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	39 700 *	56.7	53.5	43 600 *b																18.0
20.0	38.8	49.3	35 000 *	50.0	52.0	41 300 *b	55.8	53.0	43 500 *b													20.0
22.0	29.2	46.4	30 600 *	42.6	50.1	37 500 *	49.1	51.5	41 100 *b	58.5	52.9	39 800 b										22.0
24.0	14.9	41.4	24 000 *	33.9	47.6	32 600 *	41.5	49.5	36 800 *	52.0	51.5	36 300										24.0
26.0				22.5	43.8	28 800 *	32.6	46.8	32 000 *	44.8	49.7	33 000	54.6	51.1	31 300 b							26.0
28.0							20.5	42.8	27 900 *	36.6	47.4	30 000	47.7	49.5	28 500							28.0
30.0										26.2	44.1	27 600	39.9	47.4	26 100							30.0
32.0										7.9	37.6	25 200	30.6	44.6	24 100	42.7	47.0	22 800				32.0
34.0																34.0	44.5	21 200	44.9	46.2	20 000	34.0
36.0																22.7	40.8	19 700	36.6	43.9	18 600	36.0
38.0																			26.4	40.6	17 300	38.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

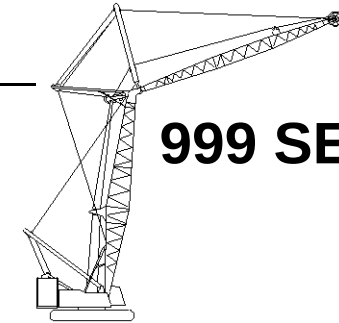
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	38 900 *b																18.0
20.0	47.0	53.8	33 400 *	55.8	55.8	36 600 *	60.6	56.6	38 700 *b													20.0
22.0	40.2	51.7	31 300 *	49.9	54.3	34 700 *	55.0	55.3	36 600 *													22.0
24.0	32.3	49.0	27 700 *	43.4	52.4	32 700 *	49.1	53.8	34 700 *	57.4	55.2	35 900										24.0
26.0	21.9	45.0	24 500 *	36.1	50.0	29 200 *	42.5	51.8	32 500 *	51.6	53.8	32 900										26.0
28.0				27.1	46.8	26 100 *	35.0	49.3	28 700 *	45.4	52.0	30 000	53.9	53.4	28 500							28.0
30.0				13.5	41.4	21 700 *	25.7	45.9	25 800 *	38.3	49.8	27 500	47.8	51.8	26 100							30.0
32.0							10.5	39.8	21 800 *	29.9	46.8	25 400	41.1	49.8	24 000	50.0	51.2	22 700				32.0
34.0										18.4	42.4	23 400	33.4	47.1	22 300	43.5	49.3	21 100				34.0
36.0													23.5	43.4	20 700	36.2	46.9	19 600				36.0
38.0																27.2	43.7	18 300				38.0
40.0																			38.4	46.3	17 200	40.0
42.0																			30.0	43.3	16 100	42.0
																			18.5	38.9	15 100	



999 SERIES 3

Liftcrane Luffing Jib Capacities

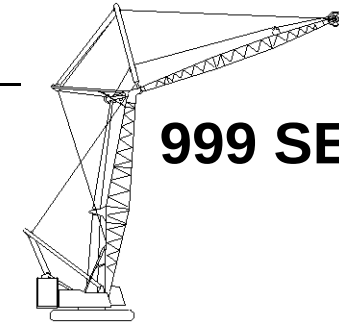
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	35 400 *b																18.0
20.0	52.7	57.8	30 500 *	60.0	59.4	33 600 *	64.1	60.0	35 300 *b													20.0
22.0	47.3	56.1	29 000 *	55.1	58.1	31 800 *	59.4	59.0	33 500 *													22.0
24.0	41.3	54.0	27 400 *	49.8	56.6	30 200 *	54.4	57.7	31 800 *													24.0
26.0	34.5	51.5	24 800 *	44.1	54.7	28 800 *	49.1	56.1	30 300 *	56.5	57.5	32 500										26.0
28.0	26.2	48.0	22 500 *	37.7	52.4	26 100 *	43.3	54.2	28 600 *	51.3	56.1	29 900										28.0
30.0	14.0	42.6	18 800 *	30.2	49.5	23 500 *	36.8	51.8	25 700 *	45.8	54.3	27 400	53.4	55.7	25 900							30.0
32.0				20.4	45.2	21 400 *	29.1	48.7	23 200 *	39.6	52.2	25 300	48.0	54.1	23 900							32.0
34.0							18.7	44.2	21 000 *	32.5	49.4	23 400	42.1	52.1	22 100	49.9	53.5	20 900				34.0
36.0										23.6	45.7	21 800	35.4	49.6	20 600	44.1	51.7	19 400				36.0
38.0										8.4	38.7	20 000	27.4	46.3	19 200	37.8	49.4	18 100				38.0
40.0																30.3	46.4	17 000	39.7	48.7	16 000	40.0
42.0																20.6	42.2	15 900	32.6	45.9	15 000	42.0
44.0																			23.7	42.2	14 100	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

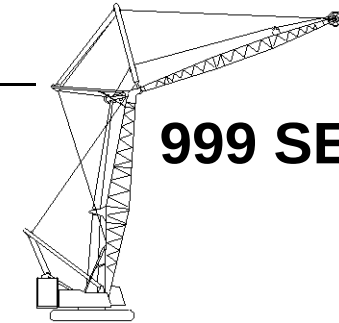
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 100 *	66.9	63.4	32 700 *b													20.0
22.0	52.3	60.1	26 700 *	59.0	61.8	29 400 *	62.7	62.4	31 000 *													22.0
24.0	47.4	58.4	25 300 *	54.5	60.5	27 800 *	58.4	61.3	29 300 *													24.0
26.0	42.1	56.4	24 100 *	49.7	58.9	26 400 *	53.9	60.0	27 800 *	60.2	61.1	30 000 *										26.0
28.0	36.1	53.9	22 400 *	44.6	57.0	25 100 *	49.0	58.4	26 500 *	55.8	59.9	28 500 *										28.0
30.0	29.1	50.8	20 300 *	38.9	54.8	23 400 *	43.9	56.5	25 200 *	51.1	58.4	27 000										30.0
32.0	20.1	46.4	18 600 *	32.5	52.0	21 200 *	38.1	54.2	23 000 *	46.1	56.6	25 000	53.0	58.1	23 600							32.0
34.0				24.6	48.4	19 400 *	31.5	51.3	20 900 *	40.6	54.5	23 200	48.1	56.4	21 900							34.0
36.0				12.9	42.5	17 000 *	23.4	47.5	19 200 *	34.4	51.9	21 600	42.8	54.4	20 300	49.8	55.8	19 200				36.0
38.0							10.4	40.9	17 500 *	27.1	48.5	19 900	36.9	52.0	19 000	44.6	54.0	17 900				38.0
40.0										17.1	43.6	18 300 *	30.1	49.0	17 800	39.0	51.7	16 700	46.1	53.1	15 700	40.0
42.0													21.5	44.9	16 700	32.6	49.0	15 700	40.7	51.0	14 700	42.0
44.0																24.7	45.3	14 800	34.5	48.4	13 900	44.0
46.0																			27.2	45.1	13 000	46.0
48.0																			17.2	40.2	12 300	48.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

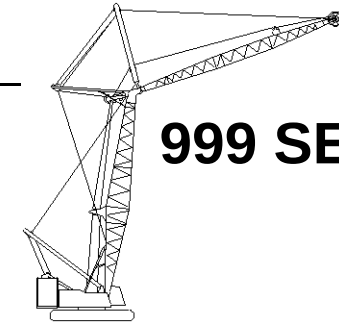
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	28 200 *	65.4	65.8	29 500 *													22.0
24.0	52.0	62.4	24 400 *	58.1	64.1	26 800 *	61.5	64.8	28 100 *													24.0
26.0	47.6	60.7	23 300 *	54.0	62.8	25 400 *	57.6	63.7	26 700 *													26.0
28.0	42.7	58.7	22 200 *	49.6	61.2	24 200 *	53.4	62.3	25 400 *	59.3	63.5	27 200 *										28.0
30.0	37.4	56.3	20 600 *	45.0	59.4	23 100 *	49.0	60.7	24 200 *	55.2	62.2	25 900 *										30.0
32.0	31.4	53.4	18 700 *	39.9	57.2	21 500 *	44.3	58.8	23 000 *	50.9	60.7	24 700 *	56.8	61.8	23 600							32.0
34.0	24.0	49.6	17 100 *	34.3	54.5	19 600 *	39.2	56.6	21 300 *	46.4	58.9	23 200	52.6	60.4	21 800							34.0
36.0	13.4	43.7	14 500 *	27.6	51.2	17 900 *	33.4	53.8	19 400 *	41.4	56.9	21 500	48.2	58.7	20 300							36.0
38.0				19.0	46.5	16 400 *	26.6	50.4	17 700 *	36.0	54.4	20 100	43.4	56.8	18 900	49.7	58.1	17 800				38.0
40.0							17.5	45.4	16 200 *	29.7	51.3	18 400 *	38.2	54.4	17 700	45.1	56.3	16 700				40.0
42.0										21.8	47.1	16 900 *	32.2	51.6	16 700	40.0	54.1	15 600				42.0
44.0										8.8	39.8	15 500 *	25.1	47.9	15 700	34.3	51.5	14 700	41.5	53.4	13 800	44.0
46.0																27.7	48.1	13 900	36.0	50.9	13 000	46.0
48.0																19.1	43.5	13 100	29.7	47.8	12 300	48.0
50.0																			21.9	43.6	11 600	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

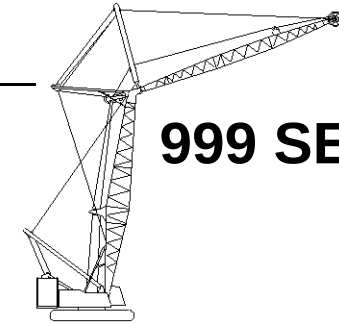
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	23 700 *													24.0
26.0	51.8	64.7	19 700 *	57.4	66.5	21 500 *	60.6	67.2	22 500 *													26.0
28.0	47.7	63.0	18 700 *	53.6	65.1	20 400 *	56.9	66.0	21 400 *													28.0
30.0	43.3	61.0	17 800 *	49.6	63.5	19 400 *	53.1	64.6	20 300 *	58.5	65.8	21 800 *										30.0
32.0	38.5	58.7	17 100 *	45.3	61.7	18 500 *	49.0	63.0	19 400 *	54.7	64.5	20 800 *										32.0
34.0	33.2	55.9	16 300 *	40.7	59.5	17 600 *	44.7	61.1	18 400 *	50.8	63.0	19 800 *	56.2	64.1	20 900 *							34.0
36.0	26.9	52.5	15 700 *	35.7	57.0	16 800 *	40.1	58.9	17 600 *	46.6	61.2	18 900 *	52.3	62.7	20 000 *							36.0
38.0	18.8	47.7	14 700 *	29.9	53.9	16 200 *	35.0	56.3	16 800 *	42.1	59.2	18 000 *	48.2	61.0	18 900							38.0
40.0				22.8	49.8	15 400 *	29.0	53.1	16 100 *	37.2	56.8	17 200 *	43.9	59.1	17 700	49.6	60.4	16 600				40.0
42.0				12.5	43.6	13 400 *	21.7	48.9	15 300 *	31.7	53.9	16 500 *	39.2	56.8	16 600	45.4	58.6	15 600				42.0
44.0							10.4	41.9	13 700 *	25.0	50.2	15 800 *	33.9	54.1	15 600	40.8	56.5	14 600				44.0
46.0										16.1	44.8	14 600 *	27.8	50.8	14 800	35.7	53.9	13 800	42.1	55.7	13 000	46.0
48.0													20.0	46.3	13 900	30.0	50.8	13 100	37.2	53.3	12 200	48.0
50.0																22.9	46.8	12 300	31.7	50.4	11 500	50.0
52.0																			25.1	46.7	10 900	52.0
54.0																			16.2	41.4	10 300	54.0



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Liftcrane Luffing Jib Capacities

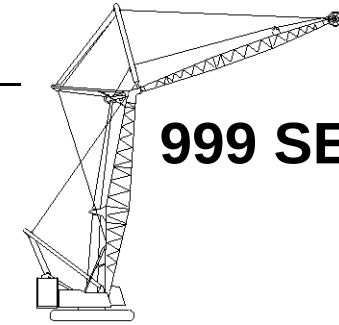
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.9	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	20 900 *													26.0
28.0	51.6	67.0	17 400 *	56.8	68.8	19 000 *	59.7	69.6	19 900 *													28.0
30.0	47.8	65.3	16 500 *	53.2	67.4	18 000 *	56.3	68.3	18 900 *	61.1	69.4	20 100 *										30.0
32.0	43.8	63.3	15 700 *	49.5	65.8	17 100 *	52.8	66.9	18 000 *	57.8	68.2	19 200 *										32.0
34.0	39.4	61.1	15 000 *	45.6	64.0	16 300 *	49.0	65.3	17 100 *	54.3	66.8	18 300 *										34.0
36.0	34.6	58.4	14 300 *	41.4	61.9	15 500 *	45.1	63.4	16 300 *	50.6	65.3	17 500 *	55.6	66.4	18 500 *							36.0
38.0	29.1	55.2	13 700 *	36.8	59.4	14 800 *	40.8	61.3	15 500 *	46.8	63.5	16 700 *	52.1	65.0	17 700 *							38.0
40.0	22.5	51.1	13 200 *	31.7	56.5	14 200 *	36.2	58.8	14 800 *	42.7	61.5	15 900 *	48.3	63.3	16 900 *							40.0
42.0	12.9	44.8	11 700 *	25.7	52.8	13 600 *	31.0	55.7	14 200 *	38.2	59.2	15 200 *	44.3	61.4	16 200 *	49.6	62.7	15 400				42.0
44.0				17.9	47.8	13 000 *	24.8	52.0	13 600 *	33.3	56.4	14 500 *	40.0	59.2	15 400 *	45.7	60.9	14 500				44.0
46.0							16.6	46.7	13 000 *	27.5	53.0	13 900 *	35.2	56.6	14 600	41.5	58.8	13 700	46.8	60.0	12 800	46.0
48.0										20.4	48.5	13 300 *	29.9	53.5	13 800	36.9	56.3	12 900	42.7	58.0	12 000	48.0
50.0										9.0	40.9	12 500 *	23.4	49.5	13 000	31.8	53.4	12 200	38.2	55.7	11 400	50.0
52.0																25.8	49.8	11 600	33.3	52.9	10 800	52.0
54.0																18.0	44.8	11 000	27.6	49.5	10 200	54.0
56.0																			20.5	45.0	9 700	56.0



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Liftcrane Luffing Jib Capacities

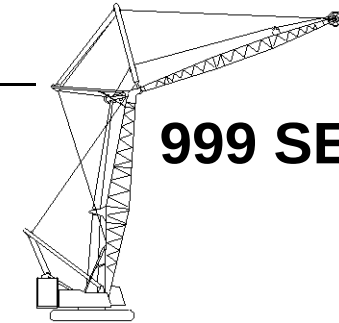
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	17 300 *													30.0
32.0	47.9	67.6	14 200 *	53.0	69.7	15 600 *	55.8	70.7	16 400 *	60.3	71.7	17 500 *										32.0
34.0	44.1	65.7	13 500 *	49.5	68.1	14 800 *	52.5	69.2	15 500 *	57.2	70.5	16 700 *										34.0
36.0	40.1	63.5	12 800 *	45.9	66.3	14 000 *	49.0	67.6	14 700 *	53.9	69.2	15 900 *										36.0
38.0	35.8	60.9	12 100 *	42.0	64.2	13 300 *	45.4	65.7	14 000 *	50.5	67.6	15 100 *	55.2	68.8	16 000 *							38.0
40.0	30.9	57.8	11 500 *	37.8	61.8	12 600 *	41.5	63.6	13 200 *	46.9	65.8	14 300 *	51.8	67.3	15 300 *							40.0
42.0	25.2	54.1	11 000 *	33.2	59.0	12 000 *	37.2	61.2	12 500 *	43.1	63.8	13 600 *	48.3	65.6	14 500 *							42.0
44.0	17.8	49.0	10 600 *	27.9	55.6	11 400 *	32.5	58.3	11 900 *	39.1	61.6	12 900 *	44.6	63.7	13 800 *	49.6	65.0	14 300				44.0
46.0				21.5	51.3	10 900 *	27.1	54.8	11 400 *	34.6	58.9	12 200 *	40.7	61.5	13 200 *	45.9	63.2	13 400				46.0
48.0				12.2	44.7	10 200 *	20.5	50.3	10 900 *	29.5	55.7	11 700 *	36.4	59.0	12 500 *	42.1	61.1	12 700				48.0
50.0							10.3	43.0	10 600 *	23.5	51.7	11 200 *	31.6	56.1	12 000 *	37.9	58.8	12 000	43.2	60.4	11 100	50.0
52.0										15.4	46.0	10 800 *	26.0	52.4	11 400 *	33.3	56.0	11 300	39.1	58.1	10 500	52.0
54.0													18.9	47.6	11 000 *	28.0	52.6	10 700	34.6	55.4	10 000	54.0
56.0																21.6	48.2	10 200	29.6	52.2	9 400	56.0
58.0																			23.5	48.2	9 000	58.0
60.0																			15.5	42.6	8 500	60.0



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Liftcrane Luffing Jib Capacities

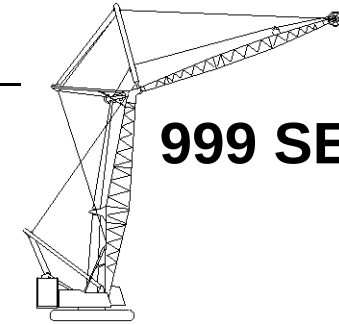
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.0	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	16 100 *										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	15 300 *										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	14 500 *										36.0
38.0	40.8	65.8	11 000 *	46.1	68.6	12 000 *	49.0	69.9	12 700 *	53.6	71.5	13 700 *										38.0
40.0	36.8	63.3	10 400 *	42.5	66.5	11 400 *	45.6	68.0	12 000 *	50.4	69.9	13 000 *	54.8	71.1	13 900 *							40.0
42.0	32.4	60.4	9 800 *	38.6	64.2	10 700 *	42.0	65.9	11 300 *	47.1	68.1	12 300 *	51.7	69.6	13 200 *							42.0
44.0	27.3	56.9	9 300 *	34.4	61.5	10 200 *	38.1	63.6	10 700 *	43.6	66.2	11 600 *	48.4	67.9	12 500 *							44.0
46.0	21.2	52.5	8 800 *	29.7	58.3	9 600 *	33.8	60.8	10 100 *	39.8	63.9	11 000 *	44.9	66.0	11 900 *	49.5	67.3	12 600 *				46.0
48.0	12.6	45.9	8 400 *	24.2	54.4	9 200 *	29.0	57.5	9 600 *	35.7	61.3	10 400 *	41.3	63.9	11 200 *	46.1	65.5	12 000 *				48.0
50.0				17.1	49.1	8 700 *	23.3	53.5	9 100 *	31.1	58.3	9 900 *	37.3	61.4	10 700 *	42.5	63.5	11 400 *				50.0
52.0							15.9	47.9	8 700 *	25.9	54.6	9 400 *	33.0	58.6	10 100 *	38.7	61.1	10 800 *	43.6	62.7	10 500	52.0
54.0										19.4	49.8	8 900 *	28.0	55.2	9 600 *	34.5	58.4	10 300 *	39.8	60.4	9 900	54.0
56.0										9.2	42.0	8 600 *	22.1	50.9	9 100 *	29.8	55.3	9 800 *	35.7	57.8	9 400	56.0
58.0																24.3	51.3	9 300 *	31.2	54.8	8 900	58.0
60.0																17.2	46.0	8 900 *	25.9	51.1	8 400	60.0
62.0																			19.4	46.4	8 100	62.0
64.0																			9.3	38.5	7 700	64.0



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Liftcrane Luffing Jib Capacities

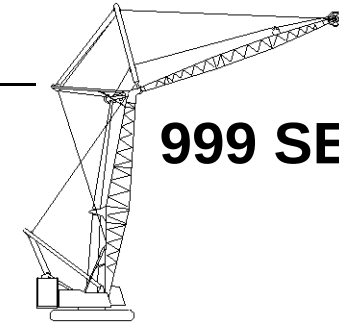
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	13 800 *										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	13 000 *										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	12 300 *										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	11 600 *	57.3	74.8	12 400 *							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	10 900 *	54.4	73.4	11 800 *							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	10 300 *	51.5	71.9	11 100 *							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	9 700 *	48.4	70.2	10 500 *	52.5	71.2	11 200 *				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	9 100 *	45.2	68.3	9 900 *	49.5	69.6	10 600 *				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	8 600 *	41.8	66.2	9 300 *	46.3	67.8	10 000 *				50.0
52.0				20.4	52.7	6 900 *	25.6	56.4	7 400 *	32.5	60.9	8 000 *	38.1	63.8	8 800 *	43.0	65.8	9 500 *	47.2	67.0	10 000 *	52.0
54.0				12.0	45.8	6 600 *	19.5	51.6	6 900 *	27.8	57.4	7 600 *	34.1	61.1	8 300 *	39.4	63.5	8 900 *	43.9	65.0	9 500 *	54.0
56.0							10.3	44.1	6 600 *	22.3	53.1	7 200 *	29.7	57.9	7 700 *	35.5	60.9	8 400 *	40.4	62.8	9 000 *	56.0
58.0										14.9	47.2	6 800 *	24.5	54.0	7 300 *	31.3	57.9	7 900 *	36.7	60.3	8 500 *	58.0
60.0													18.1	48.9	6 900 *	26.4	54.2	7 500 *	32.5	57.4	8 000 *	60.0
62.0																20.5	49.6	7 100 *	27.9	53.9	7 600 *	62.0
64.0																12.1	42.8	6 800 *	22.3	49.7	7 200 *	64.0
66.0																			14.9	43.7	6 800 *	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

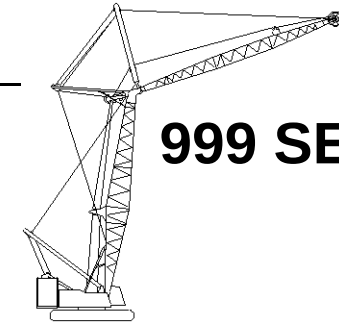
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.0	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	9 900 *	56.8	77.1	10 700 *							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	9 300 *	54.1	75.7	10 000 *							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	8 700 *	51.3	74.2	9 400 *							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	8 900 *							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	8 300 *	49.5	71.9	9 000 *				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	7 800 *	46.5	70.1	8 400 *				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	7 300 *	43.3	68.1	7 900 *				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	6 800 *	40.0	65.9	7 400 *	44.2	67.3	8 000 *	56.0
58.0							15.3	49.0	5 000 *	24.5	56.2	5 700 *	31.1	60.5	6 400 *	36.4	63.3	7 000 *	41.0	65.1	7 500 *	58.0
60.0										18.5	51.1	5 200 *	26.5	56.9	5 900 *	32.5	60.4	6 500 *	37.5	62.7	7 100 *	60.0
62.0										9.3	43.0	4 800 *	21.0	52.3	5 400 *	28.2	57.0	6 100 *	33.7	59.9	6 600 *	62.0
64.0													13.6	45.9	4 900 *	23.0	52.8	5 600 *	29.5	56.6	6 200 *	64.0
66.0																16.5	47.3	5 100 *	24.6	52.7	5 700 *	66.0
68.0																			18.6	47.7	5 200 *	68.0
70.0																			9.4	39.6	4 800 *	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

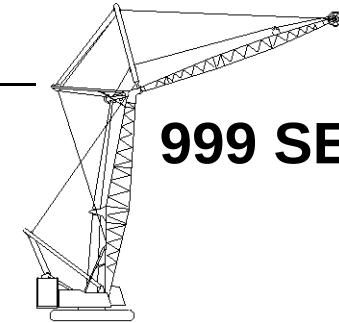
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	39 700 *	57.9	56.8	43 900 *b																18.0
20.0	39.3	52.5	35 200 *	51.3	55.3	41 600 *b	57.5	56.4	44 100 b													20.0
22.0	29.8	49.6	30 900 *	44.0	53.5	38 600 *	50.9	54.9	41 000 b	61.0	56.3	38 700 b										22.0
24.0	16.0	44.9	24 700 *	35.6	51.1	33 300 *	43.6	53.1	37 500	54.6	55.0	35 400 b										24.0
26.0				25.0	47.7	29 400 *	35.1	50.6	33 100 *	47.7	53.4	32 500										26.0
28.0							24.3	47.1	29 300 *	40.0	51.3	29 600	51.4	53.3	27 900 b							28.0
30.0										30.7	48.5	27 100	44.1	51.4	25 600							30.0
32.0										17.5	44.0	25 000	35.7	49.1	23 600	47.6	51.1	22 200				32.0
34.0													25.1	45.6	21 800	39.8	49.0	20 500				34.0
36.0																30.4	46.1	19 100	43.0	48.4	17 900	36.0
38.0																17.1	41.6	17 800	34.5	45.9	16 700	38.0
40.0																			23.3	42.2	15 600	40.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

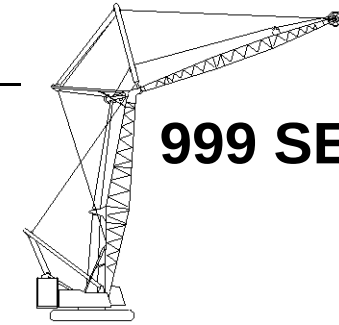
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	39 200 *b																18.0
20.0	47.4	56.9	33 400 *	56.8	59.1	37 000 *b	62.0	59.9	39 200 *b													20.0
22.0	40.6	54.9	31 400 *	51.0	57.6	35 100 *	56.5	58.7	37 100 *b													22.0
24.0	32.7	52.2	27 900 *	44.7	55.8	33 300 *	50.7	57.2	35 200 *	59.6	58.6	34 900 b										24.0
26.0	22.6	48.4	24 900 *	37.5	53.5	29 800 *	44.3	55.4	33 400 *	54.0	57.3	32 100										26.0
28.0				28.9	50.5	26 600 *	37.1	53.1	29 600 *	47.9	55.7	29 600										28.0
30.0				16.8	45.7	23 100 *	28.4	50.0	26 500 *	41.2	53.7	27 100	51.1	55.6	25 500							30.0
32.0							15.9	45.0	23 900 *	33.4	51.0	25 000	44.7	53.8	23 500							32.0
34.0										23.6	47.4	23 200	37.6	51.5	21 800	47.7	53.4	20 500				34.0
36.0													29.0	48.4	20 300	41.0	51.3	19 000				36.0
38.0													17.0	43.7	18 900	33.2	48.7	17 700				38.0
40.0																23.3	45.0	16 600				40.0
42.0																			36.5	48.3	15 500	42.0
44.0																			27.7	45.1	14 600	44.0
																			14.6	39.9	13 700	



999 SERIES 3

Liftcrane Luffing Jib Capacities

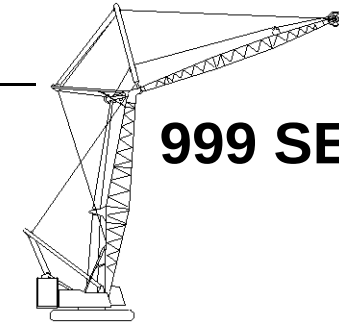
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	35 700 *b																18.0
20.0	53.0	60.9	30 500 *	60.9	62.7	33 800 *	65.3	63.3	35 600 *b													20.0
22.0	47.6	59.2	29 000 *	56.0	61.4	32 100 *	60.6	62.3	33 900 *b													22.0
24.0	41.6	57.2	27 500 *	50.8	59.9	30 500 *	55.7	61.0	32 200 *													24.0
26.0	34.8	54.7	24 900 *	45.2	58.1	29 000 *	50.5	59.5	30 600 *	58.5	61.0	31 600										26.0
28.0	26.7	51.3	22 600 *	38.9	55.9	26 600 *	44.8	57.7	29 100 *	53.4	59.6	29 300										28.0
30.0	14.9	46.0	19 100 *	31.7	53.1	23 900 *	38.6	55.5	26 500 *	48.0	58.0	27 000										30.0
32.0				22.5	49.2	21 700 *	31.3	52.6	23 800 *	42.1	56.0	24 900	50.8	57.9	23 400							32.0
34.0							21.9	48.6	21 600 *	35.4	53.5	23 000	45.2	56.1	21 700							34.0
36.0										27.4	50.3	21 400	39.0	53.9	20 100	47.9	55.7	18 900				36.0
38.0										16.2	45.3	20 000	31.8	51.0	18 800	42.0	53.7	17 600				38.0
40.0													22.6	47.1	17 600	35.3	51.2	16 400	44.4	53.0	15 400	40.0
42.0																27.2	47.9	15 400	38.1	50.7	14 400	42.0
44.0																15.8	42.8	14 500	30.7	47.8	13 500	44.0
46.0																			21.1	43.7	12 700	46.0



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Liftcrane Luffing Jib Capacities

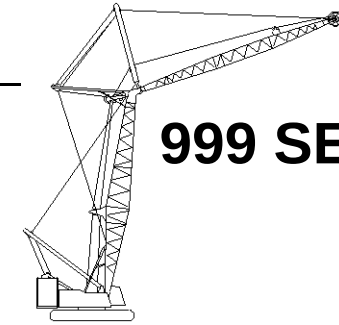
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	70.4	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	31 400 *																20.0
22.0	52.6	63.2	26 700 *	59.8	65.0	29 700 *	63.8	65.7	31 300 *													22.0
24.0	47.7	61.5	25 400 *	55.3	63.7	28 100 *	59.5	64.6	29 700 *													24.0
26.0	42.4	59.5	24 200 *	50.6	62.2	26 700 *	55.1	63.4	28 200 *	61.9	64.5	30 400										26.0
28.0	36.5	57.1	22 500 *	45.6	60.4	25 400 *	50.3	61.8	26 800 *	57.6	63.3	28 800										28.0
30.0	29.6	54.0	20 400 *	40.0	58.3	23 800 *	45.3	60.0	25 500 *	53.0	62.0	26 700										30.0
32.0	20.7	49.8	18 700 *	33.8	55.6	21 500 *	39.7	57.8	23 600 *	48.1	60.3	24 600	55.4	61.7	23 100							32.0
34.0				26.2	52.2	19 700 *	33.4	55.1	21 400 *	42.8	58.3	22 800	50.7	60.2	21 400							34.0
36.0				15.7	46.9	17 900 *	25.8	51.6	19 600 *	37.0	55.9	21 200	45.6	58.4	19 900							36.0
38.0							14.9	46.2	18 000 *	30.2	52.9	19 800	40.1	56.2	18 500	48.0	58.0	17 300				38.0
40.0										21.6	48.8	18 500	33.8	53.6	17 300	42.7	56.0	16 200				40.0
42.0													26.3	50.1	16 300	36.8	53.6	15 200	44.9	55.3	14 100	42.0
44.0													15.8	44.9	15 300	30.0	50.6	14 300	39.3	53.1	13 300	44.0
46.0																21.3	46.4	13 400	32.9	50.3	12 500	46.0
48.0																			25.1	46.7	11 800	48.0
50.0																			13.8	41.1	11 100	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

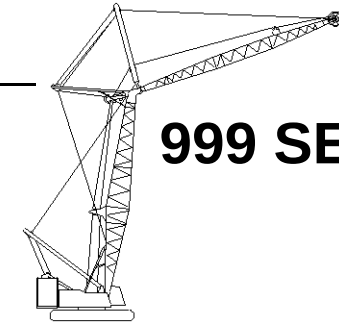
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	28 400 *	66.4	69.1	29 700 *													22.0
24.0	52.3	65.5	24 400 *	58.9	67.4	27 000 *	62.6	68.1	28 400 *													24.0
26.0	47.8	63.8	23 300 *	54.8	66.1	25 600 *	58.6	67.0	27 000 *													26.0
28.0	43.0	61.9	22 200 *	50.5	64.5	24 400 *	54.5	65.7	25 700 *	60.8	66.9	27 600 *										28.0
30.0	37.7	59.5	20 700 *	45.9	62.8	23 300 *	50.2	64.1	24 500 *	56.8	65.7	26 300										30.0
32.0	31.7	56.6	18 800 *	40.9	60.6	21 900 *	45.6	62.3	23 400 *	52.6	64.3	24 600										32.0
34.0	24.5	52.9	17 200 *	35.4	58.1	19 900 *	40.6	60.2	21 900 *	48.2	62.6	22 800	54.8	64.0	21 300							34.0
36.0	14.1	47.2	14 800 *	29.0	54.9	18 200 *	35.0	57.6	19 900 *	43.4	60.7	21 200	50.5	62.5	19 800							36.0
38.0				20.8	50.6	16 700 *	28.6	54.4	18 100 *	38.2	58.3	19 700	45.9	60.7	18 500							38.0
40.0							20.3	50.0	16 600 *	32.3	55.5	18 500	41.0	58.6	17 300	48.1	60.3	16 100				40.0
42.0										25.2	51.9	17 400	35.4	56.0	16 300	43.3	58.3	15 100				42.0
44.0										15.3	46.4	16 100 *	29.0	52.9	15 300	38.1	56.0	14 200				44.0
46.0													20.9	48.6	14 400	32.1	53.1	13 400	40.2	55.5	12 500	46.0
48.0																25.0	49.5	12 600	34.6	52.8	11 700	48.0
50.0																14.9	44.0	12 000	28.0	49.6	11 100	50.0
52.0																			19.6	45.0	10 500	52.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

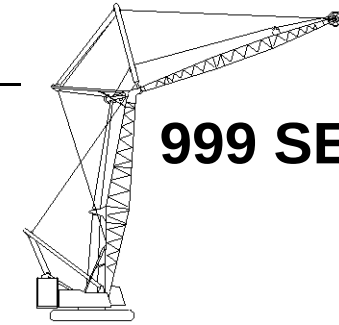
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	24 000 *													24.0
26.0	52.0	67.8	19 700 *	58.1	69.7	21 700 *	61.5	70.5	22 800 *													26.0
28.0	47.9	66.1	18 800 *	54.3	68.4	20 600 *	57.9	69.3	21 700 *													28.0
30.0	43.5	64.2	17 900 *	50.4	66.8	19 600 *	54.1	68.0	20 600 *	59.9	69.3	22 100 *										30.0
32.0	38.8	61.9	17 100 *	46.2	65.1	18 600 *	50.1	66.4	19 600 *	56.2	68.0	21 100 *										32.0
34.0	33.5	59.2	16 300 *	41.6	63.0	17 800 *	45.9	64.6	18 700 *	52.3	66.6	20 200 *										34.0
36.0	27.3	55.7	15 700 *	36.7	60.5	17 000 *	41.4	62.5	17 800 *	48.3	64.9	19 200 *	54.3	66.3	19 800							36.0
38.0	19.3	51.1	14 800 *	31.0	57.5	16 300 *	36.4	60.1	17 000 *	43.9	63.0	18 400 *	50.4	64.8	18 500							38.0
40.0				24.3	53.7	15 600 *	30.7	57.0	16 400 *	39.2	60.7	17 600 *	46.2	63.0	17 300	52.2	64.2	16 100				40.0
42.0				15.0	48.1	14 200 *	23.9	53.2	15 600 *	33.9	58.0	16 800 *	41.7	60.9	16 200	48.2	62.6	15 100				42.0
44.0							14.3	47.4	14 300 *	27.8	54.7	16 200 *	36.7	58.5	15 200	43.8	60.6	14 200				44.0
46.0										20.1	50.2	15 100 *	31.1	55.5	14 300	39.1	58.4	13 400	45.6	59.9	12 400	46.0
48.0													24.4	51.7	13 600	33.8	55.7	12 600	41.0	57.8	11 700	48.0
50.0													15.0	46.1	12 800	27.7	52.3	11 900	36.0	55.3	11 000	50.0
52.0																19.9	47.8	11 300	30.3	52.2	10 400	52.0
54.0																			23.3	48.3	9 900	54.0
56.0																			13.3	42.2	9 400	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

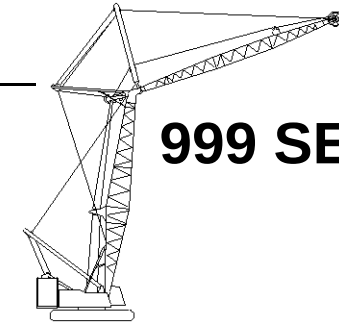
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	21 100 *													26.0
28.0	51.8	70.1	17 400 *	57.4	72.1	19 100 *	60.6	72.9	20 100 *													28.0
30.0	48.0	68.4	16 600 *	53.9	70.7	18 200 *	57.2	71.7	19 100 *													30.0
32.0	44.0	66.5	15 800 *	50.2	69.1	17 300 *	53.7	70.3	18 200 *	59.1	71.6	19 500 *										32.0
34.0	39.6	64.3	15 000 *	46.4	67.4	16 500 *	50.0	68.7	17 300 *	55.7	70.3	18 700 *										34.0
36.0	34.9	61.6	14 400 *	42.2	65.3	15 700 *	46.2	66.9	16 500 *	52.1	68.9	17 800 *										36.0
38.0	29.4	58.5	13 800 *	37.7	62.9	15 000 *	42.0	64.9	15 700 *	48.3	67.2	17 000 *	53.9	68.6	18 000 *							38.0
40.0	22.9	54.4	13 200 *	32.7	60.1	14 300 *	37.5	62.5	15 000 *	44.3	65.3	16 200 *	50.3	67.1	17 100 *							40.0
42.0	13.6	48.3	12 000 *	26.9	56.6	13 700 *	32.4	59.6	14 300 *	40.0	63.1	15 500 *	46.4	65.3	16 000 *							42.0
44.0				19.6	51.9	13 200 *	26.5	56.1	13 800 *	35.3	60.5	14 800 *	42.3	63.2	15 100 *	48.2	64.9	14 000 *				44.0
46.0							19.1	51.3	13 200 *	29.9	57.4	14 200 *	37.8	60.9	14 200 *	44.2	63.0	13 200 *				46.0
48.0										23.5	53.4	13 600 *	32.8	58.0	13 400 *	39.9	60.7	12 500 *	45.9	62.2	11 500 *	48.0
50.0										14.6	47.6	12 900 *	26.9	54.6	12 700 *	35.2	58.1	11 800 *	41.7	60.1	10 900 *	50.0
52.0													19.6	49.9	12 000 *	29.8	55.0	11 100 *	37.1	57.7	10 300 *	52.0
54.0																23.3	51.0	10 600 *	32.0	54.8	9 800 *	54.0
56.0																14.3	45.1	10 000 *	26.1	51.2	9 200 *	56.0
58.0																			18.4	46.3	8 800 *	58.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

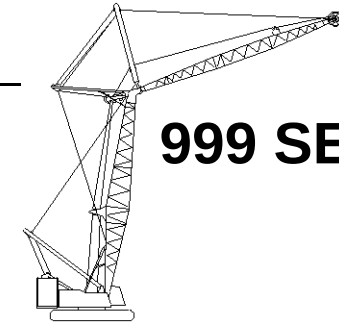
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	17 500 *													30.0
32.0	48.1	70.7	14 300 *	53.6	73.0	15 700 *	56.7	74.0	16 600 *	61.5	75.1	17 800 *										32.0
34.0	44.3	68.8	13 500 *	50.2	71.4	14 900 *	53.4	72.6	15 800 *	58.4	74.0	17 000 *										34.0
36.0	40.4	66.6	12 800 *	46.6	69.7	14 100 *	50.0	71.0	14 900 *	55.2	72.7	16 200 *										36.0
38.0	36.0	64.1	12 200 *	42.7	67.6	13 400 *	46.4	69.2	14 200 *	51.9	71.2	15 400 *										38.0
40.0	31.2	61.1	11 600 *	38.6	65.3	12 800 *	42.5	67.2	13 400 *	48.4	69.5	14 600 *	53.6	70.9	15 700 *							40.0
42.0	25.5	57.4	11 100 *	34.1	62.6	12 100 *	38.4	64.9	12 800 *	44.7	67.6	13 900 *	50.2	69.4	14 900 *							42.0
44.0	18.3	52.4	10 600 *	29.0	59.3	11 500 *	33.8	62.1	12 100 *	40.7	65.4	13 200 *	46.6	67.6	14 200 *							44.0
46.0				22.8	55.2	11 000 *	28.6	58.8	11 600 *	36.4	62.9	12 600 *	42.8	65.6	13 600 *	48.3	67.2	12 900				46.0
48.0				14.4	49.3	10 600 *	22.4	54.6	11 100 *	31.6	60.0	11 900 *	38.7	63.3	12 900 *	44.6	65.3	12 200				48.0
50.0							13.7	48.5	10 700 *	26.0	56.3	11 400 *	34.1	60.5	12 300 *	40.6	63.1	11 500				50.0
52.0										19.0	51.5	10 900 *	29.0	57.3	11 700 *	36.3	60.6	10 900	42.2	62.5	10 100	52.0
54.0													22.9	53.2	11 200	31.5	57.6	10 300	38.1	60.1	9 500	54.0
56.0													14.5	47.2	10 700	25.9	53.9	9 800	33.5	57.3	9 000	56.0
58.0																18.8	49.1	9 300	28.2	54.0	8 500	58.0
60.0																			21.9	49.7	8 100	60.0
62.0																			12.9	43.3	7 700	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

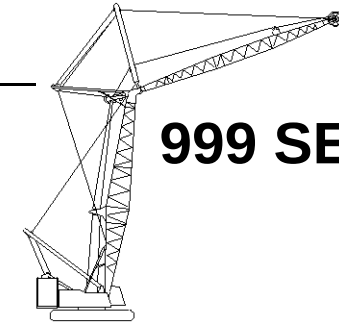
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	15 600 *										34.0
36.0	44.7	71.1	11 600 *	50.1	73.7	12 900 *	53.1	74.9	13 600 *	57.8	76.3	14 800 *										36.0
38.0	41.0	69.0	11 000 *	46.7	72.0	12 200 *	49.9	73.3	12 900 *	54.8	75.0	14 000 *										38.0
40.0	37.0	66.5	10 400 *	43.2	70.0	11 500 *	46.5	71.5	12 200 *	51.7	73.5	13 300 *	56.4	74.7	14 200 *							40.0
42.0	32.6	63.6	9 800 *	39.4	67.7	10 900 *	43.0	69.5	11 500 *	48.4	71.8	12 600 *	53.3	73.3	13 600 *							42.0
44.0	27.6	60.2	9 300 *	35.2	65.1	10 300 *	39.2	67.2	10 900 *	45.0	69.9	11 900 *	50.1	71.7	12 900 *							44.0
46.0	21.6	55.8	8 900 *	30.6	62.0	9 800 *	35.0	64.6	10 300 *	41.3	67.8	11 300 *	46.8	69.9	12 200 *	51.6	71.2	12 900				46.0
48.0	13.2	49.4	8 500 *	25.3	58.2	9 200 *	30.4	61.5	9 800 *	37.3	65.3	10 700 *	43.2	67.9	11 600 *	48.3	69.5	12 200				48.0
50.0				18.6	53.2	8 800 *	25.0	57.7	9 300 *	33.0	62.5	10 100 *	39.4	65.6	11 000 *	44.9	67.6	11 500				50.0
52.0							18.1	52.6	8 900 *	28.1	59.1	9 600 *	35.3	63.0	10 400 *	41.2	65.4	10 800	46.3	66.8	10 000	52.0
54.0										22.1	54.8	9 100 *	30.7	59.9	9 900 *	37.2	63.0	10 200	42.7	64.8	9 400	54.0
56.0										14.1	48.7	8 700 *	25.3	56.2	9 400 *	32.9	60.1	9 700	38.9	62.5	8 900	56.0
58.0													18.6	51.2	9 000 *	27.9	56.7	9 200	34.7	59.8	8 500	58.0
60.0																22.0	52.4	8 800	30.0	56.7	8 000	60.0
62.0																13.8	46.2	8 400	24.5	52.8	7 700	62.0
64.0																			17.5	47.6	7 300	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

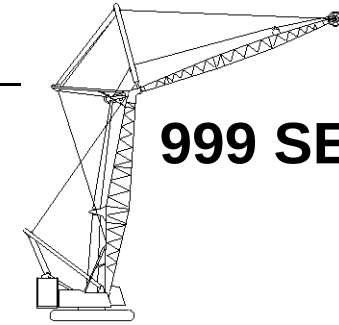
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.2	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	12 300 *	60.1	79.9	13 300 *										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	12 600 *										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	11 900 *										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	11 200 *	55.9	77.0	12 100 *							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	10 600 *	53.0	75.6	11 500 *							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	9 900 *	50.0	74.0	10 800 *							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	9 300 *	46.9	72.2	10 200 *	51.4	73.5	11 000 *				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	8 800 *	43.6	70.2	9 700 *	48.4	71.8	10 400 *				50.0
52.0				21.6	56.6	7 000 *	27.0	60.5	7 500 *	34.2	65.0	8 200 *	40.1	68.0	9 100 *	45.1	69.9	9 800 *				52.0
54.0				13.9	50.4	6 700 *	21.3	56.0	7 100 *	29.7	61.8	7 800 *	36.3	65.4	8 500 *	41.7	67.8	9 300 *	46.5	69.1	9 200	54.0
56.0							13.4	49.6	6 700 *	24.6	57.9	7 300 *	32.1	62.5	8 000 *	38.1	65.4	8 800 *	43.1	67.1	8 700	56.0
58.0										18.1	52.8	6 900 *	27.3	59.0	7 600 *	34.1	62.6	8 300 *	39.6	64.9	8 200	58.0
60.0													21.7	54.6	7 100 *	29.6	59.4	7 800 *	35.7	62.3	7 800	60.0
62.0													14.0	48.4	6 800 *	24.4	55.5	7 300 *	31.5	59.3	7 400	62.0
64.0																17.9	50.3	7 000 *	26.6	55.7	7 000	64.0
66.0																			20.8	51.1	6 700	66.0
68.0																			12.6	44.4	6 400	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

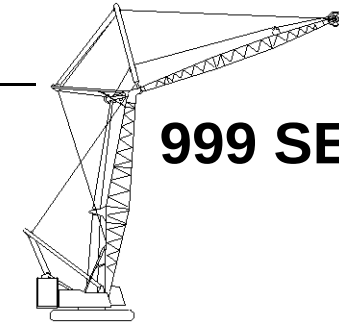
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	11 500 *										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	10 800 *										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	10 100 *										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	9 500 *	55.5	79.3	10 400 *							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	8 900 *	52.8	77.9	9 800 *							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	8 400 *	50.0	76.3	9 200 *							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	7 800 *	47.0	74.5	8 600 *	51.3	75.8	9 300 *				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	7 300 *	43.9	72.5	8 100 *	48.4	74.1	8 800 *				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	6 800 *	40.6	70.3	7 600 *	45.4	72.2	8 300 *				54.0
56.0				17.8	54.5	5 100 *	23.7	59.2	5 600 *	31.1	64.4	6 400 *	37.1	67.9	7 100 *	42.2	70.1	7 800 *				56.0
58.0							17.4	53.8	5 100 *	26.6	60.8	5 900 *	33.3	65.0	6 600 *	38.8	67.8	7 300 *	43.5	69.5	7 900 *	58.0
60.0										21.1	56.3	5 400 *	29.0	61.7	6 200 *	35.1	65.1	6 800 *	40.2	67.2	7 400 *	60.0
62.0										13.7	49.9	4 900 *	24.0	57.7	5 700 *	31.0	62.0	6 400 *	36.6	64.7	7 000 *	62.0
64.0													17.8	52.5	5 200 *	26.4	58.4	5 900 *	32.7	61.8	6 500 *	64.0
66.0																20.9	53.8	5 400 *	28.4	58.4	6 100 *	66.0
68.0																13.4	47.4	5 000 *	23.3	54.3	5 600 *	68.0
70.0																			16.8	48.8	5 100 *	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

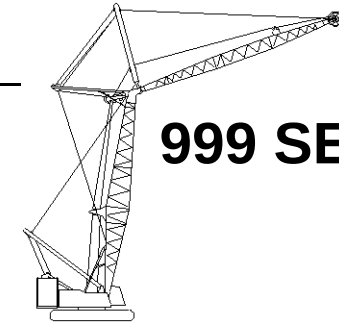
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	39 700 *	59.1	60.0	44 300 *b																18.0
20.0	39.7	55.7	35 400 *	52.6	58.6	42 000 *b	59.2	59.7	43 800 b													20.0
22.0	30.4	52.8	31 100 *	45.5	56.9	39 300 *	52.7	58.3	39 900 b													22.0
24.0	17.0	48.3	25 200 *	37.3	54.6	34 100 *	45.6	56.6	36 600	57.2	58.5	34 300 b										24.0
26.0				27.3	51.5	30 100 *	37.5	54.4	33 800	50.5	57.0	31 600 b										26.0
28.0							27.5	51.2	30 200 *	43.2	55.2	29 100	54.9	56.9	27 200 b							28.0
30.0										34.6	52.7	26 700	48.0	55.3	24 900							30.0
32.0										23.6	49.1	24 600	40.3	53.3	23 000	52.1	54.9	21 500 b				32.0
34.0													31.0	50.5	21 300	44.9	53.1	19 900				34.0
36.0													18.1	46.1	19 800	36.7	50.8	18 400				36.0
38.0																26.4	47.6	17 200	41.1	50.5	16 000	38.0
40.0																			32.1	47.8	14 900	40.0
42.0																			19.8	43.7	14 000	42.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

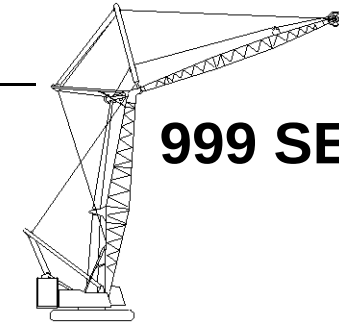
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	39 600 *b																18.0
20.0	47.7	60.1	33 500 *	57.9	62.4	37 400 *b	63.4	63.2	39 700 *b													20.0
22.0	41.0	58.0	31 500 *	52.1	61.0	35 400 *	58.0	62.0	37 600 *b													22.0
24.0	33.2	55.4	28 000 *	45.9	59.2	33 600 *	52.3	60.6	35 700 *													24.0
26.0	23.2	51.7	25 000 *	38.9	57.0	30 500 *	46.1	58.9	33 300	56.2	60.8	31 100										26.0
28.0				30.7	54.2	27 100 *	39.1	56.7	30 700	50.4	59.3	28 900										28.0
30.0				19.6	49.9	24 200 *	30.9	53.9	27 200 *	43.9	57.5	26 700	54.2	59.2	24 900							30.0
32.0							20.0	49.7	24 500 *	36.7	55.1	24 500	48.1	57.6	23 000							32.0
34.0										27.9	51.9	22 800	41.4	55.6	21 300							34.0
36.0										15.0	46.8	21 200	33.7	53.0	19 800	45.4	55.5	18 400				36.0
38.0													24.0	49.4	18 400	38.4	53.2	17 100				38.0
40.0																30.0	50.3	16 000	42.2	52.8	14 800	40.0
42.0																18.6	45.9	15 000	34.6	50.3	13 900	42.0
44.0																			25.2	46.8	13 000	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

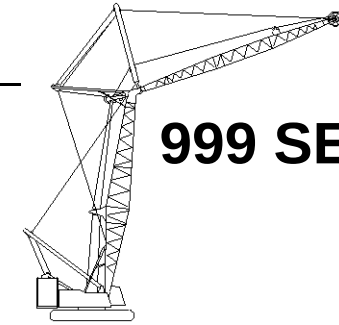
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	68.3	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	35 800 *b																18.0
20.0	53.3	64.0	30 500 *	61.8	65.9	34 000 *b	66.5	66.5	35 900 *b													20.0
22.0	47.9	62.4	29 100 *	56.9	64.7	32 300 *	61.9	65.6	34 200 *b													22.0
24.0	41.9	60.4	27 600 *	51.8	63.3	30 700 *	57.1	64.4	32 600 *													24.0
26.0	35.2	57.9	25 000 *	46.3	61.5	29 300 *	51.9	63.0	31 000 *	60.4	64.4	30 600										26.0
28.0	27.2	54.6	22 700 *	40.2	59.4	27 200 *	46.4	61.2	29 600 *	55.4	63.1	28 400										28.0
30.0	15.7	49.5	19 400 *	33.2	56.7	24 300 *	40.3	59.1	27 300 *	50.2	61.6	26 400										30.0
32.0				24.5	53.1	22 100 *	33.3	56.4	24 400 *	44.5	59.8	24 400	53.6	61.5	22 800							32.0
34.0							24.7	52.8	22 100 *	38.2	57.5	22 600	48.2	59.9	21 100							34.0
36.0										30.8	54.6	21 100	42.3	57.9	19 600							36.0
38.0										21.3	50.5	19 600	35.7	55.5	18 300	45.8	57.8	17 000				38.0
40.0													27.7	52.2	17 100	39.7	55.6	15 900				40.0
42.0													16.7	47.3	16 100	32.6	52.9	14 900	43.0	55.1	13 700	42.0
44.0																23.8	49.1	14 000	36.4	52.7	12 900	44.0
46.0																			28.7	49.6	12 100	46.0
48.0																			18.1	45.0	11 400	48.0



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Liftcrane Luffing Jib Capacities

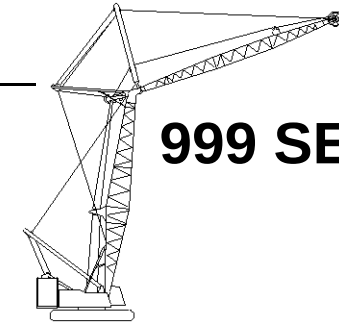
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 500 *																20.0
22.0	52.8	66.3	26 700 *	60.6	68.3	29 900 *	64.9	69.0	31 600 *b													22.0
24.0	48.0	64.7	25 400 *	56.2	67.0	28 400 *	60.7	67.9	30 100 *													24.0
26.0	42.7	62.7	24 200 *	51.5	65.6	26 900 *	56.3	66.7	28 600 *													26.0
28.0	36.8	60.3	22 600 *	46.5	63.8	25 600 *	51.6	65.3	27 200 *	59.3	66.8	27 900										28.0
30.0	30.0	57.3	20 500 *	41.1	61.7	24 100 *	46.7	63.5	25 900 *	54.8	65.5	25 900										30.0
32.0	21.2	53.1	18 700 *	35.0	59.2	21 900 *	41.2	61.5	24 200 *	50.1	63.9	24 200	57.7	65.2	22 500							32.0
34.0				27.8	55.9	20 000 *	35.2	58.9	21 900 *	45.0	62.1	22 400	53.2	63.8	20 800							34.0
36.0				18.1	51.2	18 300 *	28.0	55.7	20 000 *	39.4	59.9	20 800	48.3	62.2	19 400							36.0
38.0							18.4	51.0	18 400 *	33.0	57.2	19 400	43.0	60.3	18 000							38.0
40.0										25.3	53.6	18 200	37.2	57.9	16 900	46.2	60.1	15 600				40.0
42.0										14.1	48.0	17 100	30.4	54.9	15 800	40.7	58.0	14 600				42.0
44.0													21.9	50.8	14 900	34.5	55.4	13 700	43.6	57.5	12 600	44.0
46.0																27.2	52.0	13 000	37.8	55.1	11 900	46.0
48.0																17.3	47.1	12 200	31.2	52.2	11 200	48.0
50.0																			22.9	48.3	10 600	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

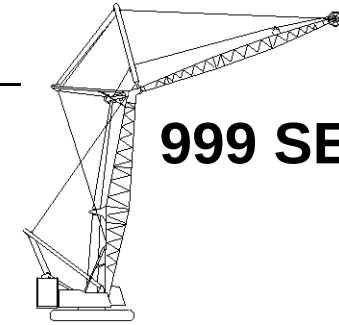
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	29 900 *																20.0
22.0	56.7	70.1	25 800 *	63.5	71.7	28 500 *																22.0
24.0	52.5	68.6	24 500 *	59.6	70.6	27 200 *	63.6	71.4	28 600 *													24.0
26.0	48.1	67.0	23 400 *	55.5	69.4	25 800 *	59.7	70.3	27 300 *													26.0
28.0	43.3	65.0	22 300 *	51.3	67.9	24 600 *	55.6	69.0	26 000 *													28.0
30.0	38.0	62.7	20 800 *	46.8	66.1	23 500 *	51.4	67.6	24 800 *	58.4	69.1	25 600										30.0
32.0	32.1	59.8	18 900 *	41.9	64.1	22 400 *	46.9	65.8	23 700 *	54.3	67.8	23 900										32.0
34.0	24.9	56.2	17 300 *	36.5	61.6	20 300 *	42.0	63.8	22 500 *	50.0	66.2	22 300	57.0	67.6	20 800							34.0
36.0	14.9	50.6	15 200 *	30.2	58.6	18 500 *	36.6	61.3	20 400 *	45.4	64.4	20 800	52.8	66.2	19 300							36.0
38.0				22.5	54.6	16 900 *	30.4	58.3	18 600 *	40.3	62.3	19 400	48.4	64.5	18 000							38.0
40.0							22.7	54.3	17 000 *	34.7	59.7	18 100	43.6	62.6	16 800	51.0	64.1	15 500				40.0
42.0										28.2	56.4	17 000	38.4	60.3	15 800	46.4	62.4	14 600				42.0
44.0										19.7	51.9	16 000	32.5	57.5	14 800	41.5	60.3	13 700				44.0
46.0													25.4	53.9	14 000	36.0	57.8	12 900	44.1	59.8	11 800	46.0
48.0													15.7	48.5	13 200	29.8	54.7	12 100	39.0	57.5	11 100	48.0
50.0																21.9	50.6	11 500	33.2	54.8	10 500	50.0
52.0																			26.3	51.3	10 000	52.0
54.0																			17.0	46.2	9 400	54.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

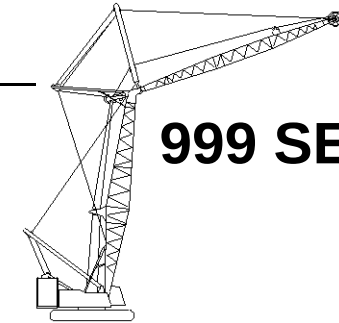
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	24 200 *													24.0
26.0	52.2	70.9	19 800 *	58.8	73.0	21 900 *	62.4	73.8	23 100 *													26.0
28.0	48.1	69.3	18 800 *	55.0	71.7	20 800 *	58.9	72.7	22 000 *													28.0
30.0	43.8	67.3	17 900 *	51.1	70.2	19 800 *	55.1	71.4	20 900 *													30.0
32.0	39.0	65.1	17 100 *	47.0	68.4	18 800 *	51.2	69.9	19 900 *	57.7	71.5	21 500 *										32.0
34.0	33.8	62.4	16 400 *	42.5	66.4	17 900 *	47.1	68.1	19 000 *	53.9	70.1	20 500 *										34.0
36.0	27.6	59.0	15 800 *	37.6	64.0	17 200 *	42.6	66.1	18 100 *	49.9	68.5	19 600 *										36.0
38.0	19.8	54.4	14 900 *	32.2	61.2	16 400 *	37.8	63.8	17 300 *	45.7	66.7	18 700 *	52.5	68.5	18 000							38.0
40.0				25.7	57.5	15 800 *	32.3	60.9	16 600 *	41.1	64.6	17 900 *	48.4	66.8	16 800							40.0
42.0				17.1	52.4	14 600 *	25.8	57.3	15 800 *	36.1	62.1	17 000	44.1	64.9	15 800	50.8	66.4	14 500				42.0
44.0							17.3	52.2	14 600 *	30.4	59.0	16 000	39.4	62.7	14 800	46.6	64.7	13 600				44.0
46.0										23.4	55.1	15 100	34.1	60.0	13 900	42.2	62.6	12 900				46.0
48.0										13.5	49.1	14 200	28.1	56.7	13 200	37.3	60.2	12 100	44.5	62.1	11 100	48.0
50.0													20.4	52.2	12 500	31.7	57.3	11 500	39.9	59.9	10 500	50.0
52.0																25.1	53.6	10 800	34.7	57.3	9 900	52.0
54.0																16.3	48.3	10 300	28.7	54.0	9 400	54.0
56.0																			21.3	49.7	8 900	56.0



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Liftcrane Luffing Jib Capacities

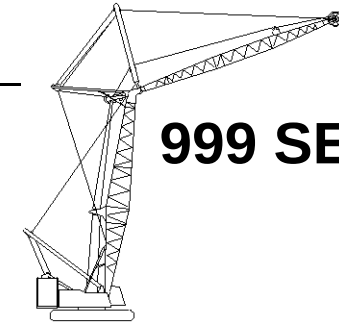
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.2	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	21 300 *													26.0
28.0	52.0	73.2	17 400 *	58.1	75.3	19 300 *	61.5	76.2	20 300 *													28.0
30.0	48.2	71.6	16 600 *	54.6	74.0	18 300 *	58.1	75.0	19 400 *													30.0
32.0	44.2	69.7	15 800 *	50.9	72.5	17 500 *	54.7	73.7	18 500 *	60.4	75.0	19 800 *										32.0
34.0	39.9	67.4	15 100 *	47.1	70.7	16 600 *	51.0	72.2	17 600 *	57.0	73.8	19 000 *										34.0
36.0	35.1	64.8	14 400 *	43.0	68.7	15 800 *	47.2	70.4	16 700 *	53.5	72.4	18 200 *										36.0
38.0	29.7	61.7	13 800 *	38.6	66.4	15 100 *	43.1	68.4	16 000 *	49.8	70.8	17 300 *										38.0
40.0	23.2	57.7	13 300 *	33.7	63.7	14 400 *	38.7	66.1	15 200 *	45.9	69.0	16 500 *	52.2	70.8	16 600							40.0
42.0	14.2	51.8	12 200 *	28.1	60.3	13 800 *	33.8	63.4	14 500 *	41.8	66.9	15 800 *	48.5	69.1	15 600							42.0
44.0				21.1	56.0	13 300 *	28.2	60.1	13 900 *	37.2	64.5	15 100 *	44.5	67.2	14 600							44.0
46.0							21.3	55.7	13 400 *	32.1	61.6	14 400 *	40.2	65.0	13 800	46.8	67.0	12 700				46.0
48.0										26.2	58.0	13 800 *	35.4	62.4	13 000	42.7	65.0	11 900				48.0
50.0										18.6	53.2	13 200 *	30.1	59.3	12 300	38.3	62.6	11 300	44.9	64.4	10 300	50.0
52.0													23.7	55.4	11 700	33.3	59.8	10 700	40.6	62.2	9 700	52.0
54.0													15.0	49.7	11 100	27.6	56.5	10 100	36.0	59.7	9 200	54.0
56.0																20.5	52.0	9 600	30.7	56.7	8 700	56.0
58.0																			24.5	52.8	8 300	58.0
60.0																			16.1	47.4	7 900	60.0



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Liftcrane Luffing Jib Capacities

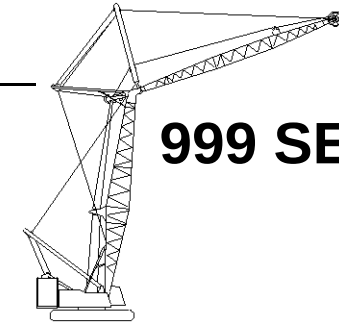
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	18 600 *													28.0
30.0	51.8	75.6	15 100 *	57.4	77.7	16 800 *	60.6	78.6	17 700 *													30.0
32.0	48.3	73.9	14 300 *	54.2	76.3	15 900 *	57.5	77.4	16 800 *	62.7	78.5	18 000 *										32.0
34.0	44.6	72.0	13 600 *	50.8	74.8	15 100 *	54.3	76.0	16 000 *	59.7	77.4	17 300 *										34.0
36.0	40.6	69.8	12 900 *	47.2	73.0	14 300 *	50.9	74.5	15 200 *	56.5	76.1	16 500 *										36.0
38.0	36.3	67.3	12 300 *	43.5	71.1	13 600 *	47.3	72.7	14 400 *	53.2	74.7	15 700 *										38.0
40.0	31.4	64.3	11 600 *	39.4	68.8	12 900 *	43.6	70.8	13 700 *	49.8	73.1	14 900 *	55.3	74.6	16 000 *							40.0
42.0	25.8	60.6	11 100 *	35.0	66.2	12 300 *	39.5	68.5	13 000 *	46.2	71.3	14 200 *	52.0	73.1	15 300 *							42.0
44.0	18.7	55.8	10 700 *	30.0	63.0	11 700 *	35.1	65.9	12 300 *	42.3	69.3	13 500 *	48.5	71.4	14 400							44.0
46.0				24.1	59.1	11 100 *	30.1	62.8	11 800 *	38.1	66.9	12 800 *	44.8	69.5	13 600	50.6	71.0	12 500				46.0
48.0				16.3	53.6	10 700 *	24.2	58.9	11 200 *	33.6	64.1	12 200 *	40.8	67.4	12 800	47.0	69.3	11 700				48.0
50.0							16.5	53.5	10 800 *	28.3	60.8	11 600 *	36.6	64.9	12 100	43.2	67.3	11 100				50.0
52.0										22.0	56.6	11 200 *	31.8	61.9	11 500	39.1	65.0	10 500	45.2	66.7	9 500	52.0
54.0										13.1	50.2	10 800 *	26.2	58.3	10 900	34.6	62.3	9 900	41.3	64.6	9 000	54.0
56.0													19.3	53.5	10 300	29.6	59.1	9 400	37.0	62.1	8 500	56.0
58.0																23.6	55.2	8 900	32.3	59.2	8 100	58.0
60.0																15.6	49.5	8 400	26.9	55.7	7 600	60.0
62.0																			20.1	51.1	7 200	62.0
64.0																			9.6	43.6	6 900	64.0



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Liftcrane Luffing Jib Capacities

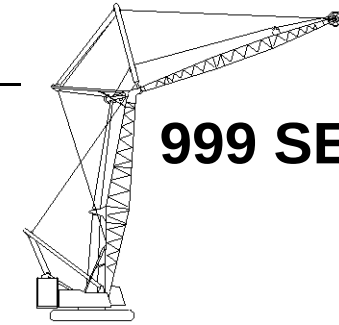
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	15 400 *													32.0
34.0	48.3	76.2	12 300 *	53.9	78.6	13 800 *	57.0	79.7	14 600 *	61.9	80.9	15 800 *										34.0
36.0	44.9	74.3	11 700 *	50.7	77.1	13 000 *	53.9	78.3	13 800 *	59.0	79.7	15 100 *										36.0
38.0	41.2	72.1	11 000 *	47.4	75.3	12 300 *	50.8	76.8	13 100 *	56.0	78.5	14 300 *										38.0
40.0	37.2	69.7	10 500 *	43.9	73.4	11 600 *	47.4	75.0	12 400 *	52.9	77.0	13 600 *										40.0
42.0	32.9	66.8	9 900 *	40.1	71.2	11 000 *	43.9	73.1	11 700 *	49.7	75.4	12 900 *	54.9	76.9	13 900 *							42.0
44.0	27.9	63.4	9 400 *	36.0	68.6	10 400 *	40.2	70.9	11 100 *	46.4	73.6	12 200 *	51.8	75.4	13 200 *							44.0
46.0	21.9	59.1	8 900 *	31.5	65.6	9 900 *	36.1	68.3	10 500 *	42.8	71.6	11 600 *	48.5	73.7	12 600 *							46.0
48.0	13.8	52.9	8 600 *	26.4	62.0	9 400 *	31.7	65.4	10 000 *	38.9	69.3	11 000 *	45.1	71.8	12 000 *	50.5	73.3	11 600				48.0
50.0				20.0	57.3	8 900 *	26.5	61.8	9 500 *	34.8	66.6	10 400 *	41.4	69.7	11 300 *	47.1	71.6	11 000				50.0
52.0							20.2	57.1	9 000 *	30.1	63.5	9 800 *	37.5	67.3	10 700 *	43.6	69.6	10 400				52.0
54.0										24.6	59.6	9 400 *	33.1	64.5	10 200 *	39.8	67.4	9 800	45.5	69.0	8 900	54.0
56.0										17.7	54.4	8 900 *	28.2	61.1	9 700 *	35.7	64.8	9 300	41.8	66.9	8 400	56.0
58.0													22.4	56.9	9 200 *	31.2	61.8	8 800	37.9	64.5	8 000	58.0
60.0													14.4	50.8	8 800 *	26.0	58.1	8 400	33.6	61.7	7 600	60.0
62.0																19.5	53.3	8 000	28.8	58.4	7 200	62.0
64.0																9.4	45.5	7 600	23.0	54.3	6 800	64.0
66.0																			15.4	48.6	6 500	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

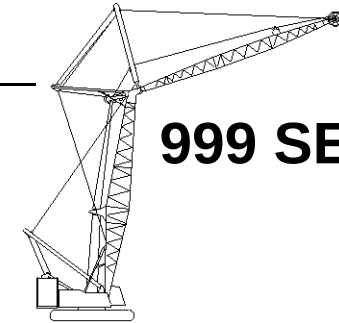
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	13 600 *										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	12 900 *										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	12 200 *										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	11 500 *										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	10 900 *	54.6	79.2	11 800 *							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	10 200 *	51.6	77.7	11 200 *							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	9 600 *	48.6	76.0	10 600 *							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	9 100 *	45.3	74.1	10 000 *	50.4	75.6	10 700				50.0
52.0				22.8	60.6	7 100 *	28.3	64.5	7 600 *	35.8	69.1	8 500 *	41.9	72.0	9 400 *	47.2	73.9	10 100				52.0
54.0				15.6	54.8	6 800 *	22.9	60.3	7 200 *	31.6	66.1	8 000 *	38.3	69.7	8 800 *	44.0	71.9	9 600				54.0
56.0							15.8	54.7	6 800 *	26.7	62.5	7 500 *	34.3	67.0	8 300 *	40.5	69.7	9 100	45.7	71.3	8 200	56.0
58.0										20.9	58.0	7 100 *	29.9	63.8	7 900 *	36.7	67.2	8 600	42.3	69.3	7 700	58.0
60.0										12.8	51.4	6 800 *	24.8	59.9	7 400 *	32.5	64.3	8 100 *	38.7	66.9	7 300	60.0
62.0													18.4	54.8	7 000 *	27.9	60.9	7 700 *	34.8	64.2	6 900	62.0
64.0													8.1	46.3	6 700 *	22.3	56.6	7 300 *	30.4	61.1	6 600	64.0
66.0																15.0	50.7	6 900 *	25.4	57.3	6 300	66.0
68.0																			19.1	52.4	6 000	68.0
70.0																			9.7	44.7	5 700	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

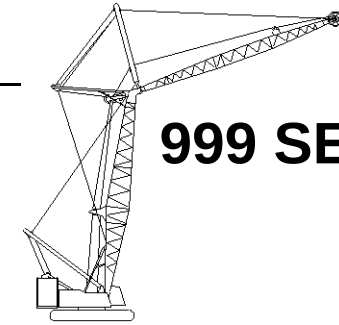
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	11 700 *										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	11 100 *										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	10 400 *										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	9 800 *										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	9 200 *	54.2	81.5	10 100 *							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	8 600 *	51.5	80.0	9 500 *							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	8 100 *	48.6	78.3	8 900 *							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	7 500 *	45.6	76.5	8 400 *	50.3	77.9	9 200 *				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	7 100 *	42.4	74.4	7 900 *	47.3	76.2	8 600 *				54.0
56.0				19.1	58.7	5 300 *	25.1	63.3	5 800 *	32.8	68.6	6 600 *	39.0	72.1	7 400 *	44.3	74.2	8 100 *				56.0
58.0							19.2	58.4	5 300 *	28.5	65.2	6 100 *	35.3	69.4	6 900 *	41.0	72.1	7 600 *	45.9	73.6	7 600	58.0
60.0										23.4	61.1	5 600 *	31.3	66.4	6 500 *	37.5	69.6	7 200 *	42.7	71.6	7 100	60.0
62.0										17.0	55.7	5 100 *	26.7	62.8	6 000 *	33.7	66.8	6 700 *	39.3	69.3	6 800	62.0
64.0										5.7	45.7	4 700 *	21.3	58.3	5 400 *	29.5	63.6	6 300 *	35.7	66.7	6 400	64.0
66.0													14.0	52.0	5 000 *	24.6	59.7	5 800 *	31.7	63.7	6 100	66.0
68.0																18.6	54.6	5 300 *	27.2	60.1	5 800	68.0
70.0																9.5	46.6	4 800 *	21.9	55.8	5 500	70.0
72.0																			14.9	49.8	5 000 *	72.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

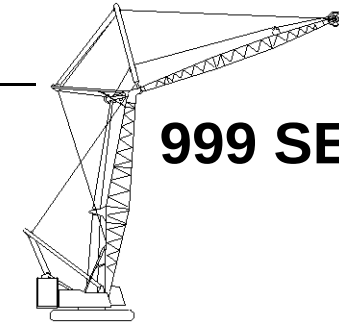
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	39 700 *																			18.0
20.0	40.2	58.8	35 600 *	53.8	62.0	42 300 *b	60.9	63.0	42 800 b													20.0
22.0	30.9	56.0	31 100 *	46.8	60.3	38 800 *	54.5	61.7	38 900 b													22.0
24.0	17.9	51.6	24 600 *	38.9	58.1	34 700 *	47.6	60.1	35 700													24.0
26.0				29.4	55.2	30 700 *	39.8	58.0	33 000	53.2	60.6	30 600 b										26.0
28.0							30.5	55.2	30 600	46.2	58.9	28 400										28.0
30.0							17.1	50.6	26 300	38.2	56.7	26 300	51.7	59.1	24 400							30.0
32.0										28.4	53.6	24 200	44.4	57.3	22 500							32.0
34.0													36.1	54.9	20 800	49.6	57.1	19 200 b				34.0
36.0													25.6	51.6	19 300	42.1	55.2	17 800				36.0
38.0																33.4	52.6	16 600				38.0
40.0																21.7	48.7	15 500				40.0
42.0																			39.1	52.5	14 300	42.0
44.0																			15.6	44.8	12 600	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

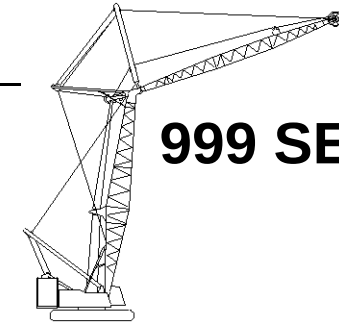
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	39 800 *b																18.0
20.0	48.0	63.2	33 500 *	58.9	65.6	37 700 *b	64.8	66.4	40 100 *b													20.0
22.0	41.4	61.2	31 600 *	53.2	64.3	35 700 *	59.5	65.4	38 000 b													22.0
24.0	33.6	58.6	28 200 *	47.1	62.6	34 000 *	53.8	64.0	35 300													24.0
26.0	23.9	54.9	24 700 *	40.3	60.5	31 100 *	47.8	62.4	32 500	58.4	64.3	30 200 b										26.0
28.0				32.4	57.8	27 700 *	41.0	60.4	30 200	52.7	62.9	28 000										28.0
30.0				22.1	53.9	24 500 *	33.3	57.7	27 900	46.6	61.2	26 100										30.0
32.0							23.3	54.0	25 100 *	39.7	59.1	24 100	51.3	61.4	22 400							32.0
34.0										31.6	56.3	22 400	45.0	59.6	20 700							34.0
36.0										21.0	52.2	20 800	37.9	57.3	19 300	49.5	59.4	17 800				36.0
38.0													29.4	54.3	18 000	43.0	57.5	16 600				38.0
40.0																35.6	55.0	15 500				40.0
42.0																26.5	51.7	14 500	40.5	54.9	13 300	42.0
44.0																12.3	46.1	13 600	32.6	52.2	12 500	44.0
46.0																			22.4	48.4	11 700	46.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

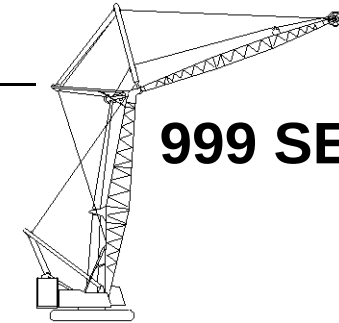
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	36 000 *b																18.0
20.0	53.5	67.1	30 400 *	62.7	69.1	34 200 *b																20.0
22.0	48.2	65.5	29 000 *	57.9	68.0	32 500 *	63.1	68.8	34 500 *b													22.0
24.0	42.3	63.5	27 700 *	52.8	66.6	31 000 *	58.4	67.7	32 900 *													24.0
26.0	35.6	61.1	25 100 *	47.3	64.9	29 500 *	53.3	66.4	31 400	62.3	67.8	29 700 b										26.0
28.0	27.6	57.8	22 800 *	41.3	62.9	27 800 *	47.9	64.7	29 800	57.4	66.6	27 500										28.0
30.0	16.5	52.9	19 100 *	34.5	60.3	24 800 *	42.0	62.7	27 600	52.3	65.2	25 600										30.0
32.0				26.3	56.9	22 500 *	35.3	60.2	25 000 *	46.8	63.5	24 000	56.3	65.1	22 200							32.0
34.0							27.2	56.9	22 700 *	40.8	61.4	22 200	51.1	63.7	20 500							34.0
36.0							15.8	51.9	20 100 *	33.9	58.8	20 600	45.5	61.9	19 100							36.0
38.0										25.5	55.3	19 300	39.3	59.7	17 800							38.0
40.0													32.1	56.9	16 700	43.7	59.8	15 300				40.0
42.0													23.1	53.1	15 600	37.3	57.5	14 300				42.0
44.0																29.7	54.4	13 500	41.5	57.2	12 300	44.0
46.0																19.7	50.1	12 700	34.7	54.7	11 600	46.0
48.0																			26.5	51.3	10 900	48.0
50.0																			14.6	46.0	10 300	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

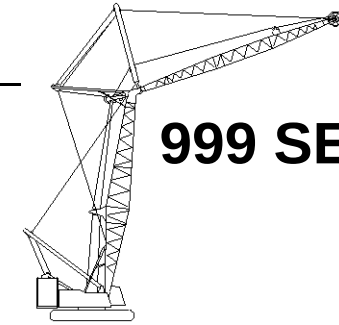
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 700 *b																20.0
22.0	53.1	69.5	26 700 *	61.4	71.5	30 100 *	66.0	72.2	31 900 *b													22.0
24.0	48.2	67.8	25 400 *	57.0	70.3	28 600 *	61.8	71.2	30 300 *													24.0
26.0	43.0	65.9	24 200 *	52.4	68.9	27 100 *	57.5	70.1	28 900 *													26.0
28.0	37.1	63.5	22 700 *	47.5	67.2	25 900 *	52.9	68.7	27 500 *	61.0	70.2	27 000										28.0
30.0	30.4	60.5	20 500 *	42.2	65.2	24 400 *	48.0	67.0	26 200 *	56.6	69.0	25 100										30.0
32.0	21.8	56.4	18 800 *	36.2	62.7	22 200 *	42.7	65.0	24 900 *	52.0	67.5	23 500										32.0
34.0				29.2	59.6	20 300 *	36.8	62.6	22 500 *	47.0	65.8	22 000	55.6	67.5	20 300							34.0
36.0				20.3	55.3	18 600 *	30.0	59.6	20 500 *	41.7	63.8	20 400	50.9	66.0	18 800							36.0
38.0							21.3	55.5	18 800 *	35.6	61.3	19 100	45.8	64.2	17 600							38.0
40.0										28.6	58.1	17 800	40.3	62.0	16 400	49.4	64.0	15 000				40.0
42.0										19.3	53.6	16 700	34.1	59.4	15 400	44.3	62.1	14 100				42.0
44.0													26.7	56.0	14 500	38.6	59.9	13 200				44.0
46.0																32.1	57.0	12 500	42.3	59.6	11 300	46.0
48.0																24.1	53.3	11 700	36.4	57.1	10 600	48.0
50.0																11.9	47.1	11 100	29.4	54.0	10 100	50.0
52.0																			20.5	49.8	9 500	52.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

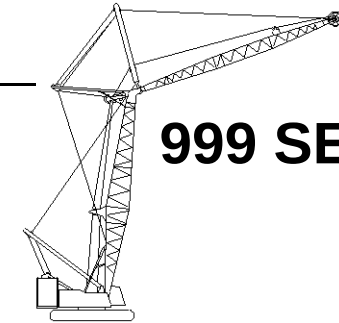
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	29 900 *																20.0
22.0	56.9	73.2	25 700 *	64.2	74.9	28 700 *																22.0
24.0	52.7	71.8	24 500 *	60.3	73.9	27 300 *	64.6	74.6	28 700 *													24.0
26.0	48.3	70.1	23 400 *	56.3	72.6	26 100 *	60.7	73.6	27 600 *													26.0
28.0	43.5	68.2	22 300 *	52.1	71.2	24 800 *	56.7	72.4	26 300 *													28.0
30.0	38.3	65.9	21 000 *	47.6	69.5	23 700 *	52.5	71.0	25 100 *	60.0	72.5	24 900										30.0
32.0	32.4	63.1	19 300 *	42.8	67.5	22 600 *	48.1	69.3	23 900 *	56.0	71.3	23 200										32.0
34.0	25.3	59.4	17 700 *	37.5	65.1	20 800 *	43.3	67.4	22 800 *	51.7	69.8	21 800										34.0
36.0	15.5	54.1	15 400 *	31.5	62.2	19 000 *	38.1	65.0	21 000 *	47.2	68.1	20 400	55.0	69.8	18 800							36.0
38.0				24.1	58.4	17 500 *	32.1	62.2	19 200 *	42.4	66.1	19 000	50.7	68.3	17 500							38.0
40.0							25.0	58.5	17 700 *	37.0	63.7	17 800	46.1	66.5	16 300							40.0
42.0							15.0	53.0	16 100 *	30.9	60.7	16 700	41.2	64.4	15 300	49.4	66.3	14 000				42.0
44.0										23.4	56.8	15 700	35.7	61.9	14 400	44.7	64.4	13 200				44.0
46.0													29.3	58.7	13 600	39.6	62.2	12 400				46.0
48.0													21.3	54.5	12 800	33.9	59.6	11 700	42.9	61.9	10 600	48.0
50.0																27.2	56.2	11 100	37.6	59.6	10 000	50.0
52.0																18.4	51.4	10 500	31.6	56.7	9 500	52.0
54.0																			24.3	52.9	8 900	54.0
56.0																			13.9	47.1	8 500	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

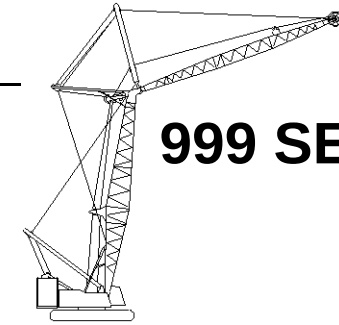
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.1	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	24 400 *																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	22 000 *	63.4	77.1	23 300 *													26.0
28.0	48.4	72.4	18 900 *	55.7	75.0	21 000 *	59.8	76.0	22 200 *													28.0
30.0	44.0	70.5	18 000 *	51.8	73.5	20 000 *	56.1	74.7	21 100 *													30.0
32.0	39.3	68.3	17 200 *	47.7	71.8	19 000 *	52.3	73.3	20 200 *	59.1	74.9	21 900 *										32.0
34.0	34.1	65.6	16 500 *	43.4	69.8	18 200 *	48.2	71.6	19 200 *	55.4	73.6	20 900 *										34.0
36.0	28.0	62.2	15 800 *	38.6	67.5	17 400 *	43.8	69.7	18 300 *	51.5	72.1	20 000 *										36.0
38.0	20.3	57.8	14 800 *	33.2	64.8	16 600 *	39.1	67.4	17 500 *	47.4	70.4	19 000	54.5	72.1	17 500							38.0
40.0				27.0	61.3	16 000 *	33.8	64.7	16 800 *	43.0	68.4	17 800	50.6	70.6	16 300							40.0
42.0				18.9	56.6	15 200 *	27.7	61.4	16 200 *	38.1	66.1	16 700	46.4	68.8	15 300							42.0
44.0							19.9	56.8	15 300 *	32.7	63.3	15 700	41.9	66.7	14 400	49.4	68.6	13 100				44.0
46.0										26.4	59.7	14 800	36.9	64.3	13 600	45.1	66.7	12 400				46.0
48.0										18.1	54.9	14 000	31.3	61.4	12 800	40.5	64.6	11 700				48.0
50.0													24.7	57.6	12 100	35.4	62.0	11 000	43.5	64.2	10 000	50.0
52.0																29.5	58.9	10 400	38.7	61.9	9 400	52.0
54.0																22.4	54.8	9 900	33.4	59.2	8 900	54.0
56.0																11.7	48.2	9 400	27.1	55.8	8 400	56.0
58.0																			19.2	51.1	8 000	58.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

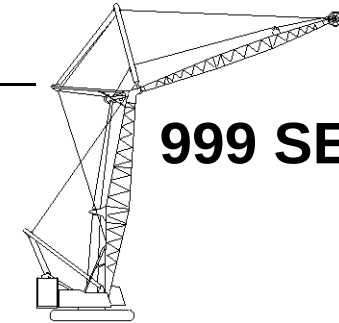
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	21 500 *													26.0
28.0	52.2	76.4	17 500 *	58.7	78.6	19 500 *	62.3	79.5	20 500 *													28.0
30.0	48.4	74.7	16 700 *	55.2	77.3	18 500 *	59.0	78.3	19 600 *													30.0
32.0	44.4	72.8	15 900 *	51.6	75.8	17 600 *	55.6	77.1	18 700 *	61.7	78.4	20 000 *										32.0
34.0	40.1	70.6	15 100 *	47.8	74.1	16 800 *	52.0	75.6	17 800 *	58.4	77.2	19 300 *										34.0
36.0	35.4	68.0	14 500 *	43.8	72.2	16 000 *	48.2	73.9	17 000 *	54.9	75.9	18 400 *										36.0
38.0	30.0	64.9	13 900 *	39.5	69.9	15 300 *	44.2	72.0	16 200 *	51.3	74.4	17 600 *										38.0
40.0	23.6	61.0	13 300 *	34.7	67.3	14 600 *	39.9	69.8	15 500 *	47.5	72.7	16 900 *	54.1	74.4	16 200							40.0
42.0	14.8	55.2	12 200 *	29.2	64.0	14 000 *	35.2	67.2	14 800 *	43.4	70.7	16 100 *	50.4	72.9	15 200							42.0
44.0				22.5	59.9	13 500 *	29.8	64.0	14 200 *	39.1	68.5	15 400 *	46.6	71.1	14 200							44.0
46.0							23.3	60.0	13 600 *	34.2	65.8	14 700	42.5	69.1	13 400	49.3	70.9	12 200				46.0
48.0							14.3	54.2	12 900 *	28.7	62.5	13 800	38.0	66.7	12 600	45.4	69.1	11 500				48.0
50.0										21.9	58.3	13 100	33.0	63.9	12 000	41.2	66.9	10 800				50.0
52.0													27.2	60.4	11 300	36.6	64.5	10 200	43.9	66.6	9 200	52.0
54.0													20.0	55.9	10 700	31.4	61.5	9 700	39.6	64.3	8 700	54.0
56.0																25.3	57.8	9 200	34.8	61.7	8 300	56.0
58.0																17.4	52.7	8 700	29.3	58.5	7 800	58.0
60.0																			22.7	54.4	7 400	60.0
62.0																			13.4	48.3	7 100	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

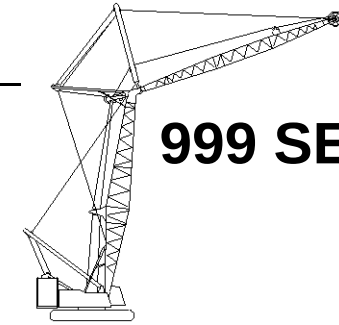
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.3	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	18 800 *													28.0
30.0	51.9	78.7	15 100 *	58.0	80.9	16 900 *	61.5	81.8	17 900 *													30.0
32.0	48.5	77.0	14 300 *	54.8	79.6	16 100 *	58.4	80.7	17 000 *													32.0
34.0	44.8	75.1	13 600 *	51.4	78.1	15 200 *	55.1	79.4	16 200 *	60.9	80.8	17 500 *										34.0
36.0	40.8	73.0	12 900 *	47.9	76.4	14 500 *	51.8	77.9	15 400 *	57.8	79.6	16 800 *										36.0
38.0	36.5	70.5	12 300 *	44.2	74.5	13 700 *	48.3	76.2	14 600 *	54.5	78.2	16 000 *										38.0
40.0	31.7	67.5	11 700 *	40.2	72.3	13 000 *	44.6	74.3	13 900 *	51.1	76.7	15 200 *	57.0	78.1	15 900							40.0
42.0	26.2	63.9	11 200 *	35.8	69.7	12 400 *	40.6	72.1	13 200 *	47.6	75.0	14 500 *	53.7	76.7	14 900							42.0
44.0	19.2	59.1	10 700 *	31.0	66.7	11 800 *	36.3	69.6	12 500 *	43.9	73.1	13 800 *	50.3	75.2	14 000							44.0
46.0				25.3	62.9	11 300 *	31.5	66.6	11 900 *	39.8	70.8	13 100 *	46.8	73.4	13 200							46.0
48.0				18.0	57.9	10 800 *	25.9	63.0	11 400 *	35.4	68.2	12 500 *	42.9	71.4	12 400	49.3	73.2	11 300				48.0
50.0							18.8	58.1	10 900 *	30.5	65.2	11 900 *	38.8	69.1	11 700	45.7	71.4	10 600				50.0
52.0										24.7	61.3	11 400 *	34.3	66.4	11 100	41.8	69.3	10 000				52.0
54.0										17.2	56.1	10 900 *	29.2	63.2	10 500	37.6	66.9	9 500	44.3	68.9	8 500	54.0
56.0													23.1	59.1	10 000	32.9	64.0	9 000	40.3	66.7	8 000	56.0
58.0																27.6	60.6	8 500	35.9	64.1	7 600	58.0
60.0																21.1	56.2	8 100	31.1	61.1	7 200	60.0
62.0																11.5	49.3	7 700	25.4	57.4	6 800	62.0
64.0																			18.2	52.4	6 500	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

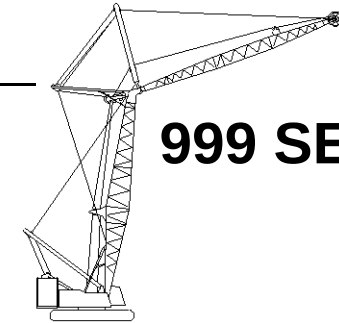
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	15 600 *													32.0
34.0	48.5	79.3	12 400 *	54.4	81.9	13 900 *	57.8	83.0	14 800 *													34.0
36.0	45.0	77.4	11 700 *	51.3	80.4	13 200 *	54.7	81.7	14 100 *	60.1	83.1	15 300 *										36.0
38.0	41.4	75.3	11 100 *	48.0	78.7	12 500 *	51.6	80.2	13 300 *	57.2	81.9	14 600 *										38.0
40.0	37.4	72.9	10 500 *	44.5	76.8	11 800 *	48.3	78.5	12 600 *	54.2	80.6	13 900 *										40.0
42.0	33.1	70.0	9 900 *	40.8	74.6	11 100 *	44.9	76.6	11 900 *	51.0	79.0	13 200 *	56.5	80.4	14 200 *							42.0
44.0	28.2	66.7	9 400 *	36.8	72.1	10 600 *	41.2	74.5	11 300 *	47.7	77.3	12 500 *	53.4	79.0	13 600 *							44.0
46.0	22.3	62.4	9 000 *	32.4	69.2	10 000 *	37.3	72.0	10 700 *	44.2	75.4	11 800 *	50.2	77.5	12 900 *							46.0
48.0	14.3	56.4	8 600 *	27.4	65.8	9 500 *	32.9	69.2	10 100 *	40.5	73.2	11 200 *	46.9	75.7	12 300 *							48.0
50.0				21.3	61.3	9 000 *	27.9	65.8	9 600 *	36.5	70.7	10 600 *	43.4	73.7	11 700 *	49.3	75.5	10 500				50.0
52.0							22.0	61.5	9 100 *	32.0	67.7	10 100 *	39.6	71.5	11 000	45.9	73.7	9 900				52.0
54.0							13.9	55.3	8 700 *	26.9	64.2	9 600 *	35.5	68.9	10 400	42.3	71.6	9 400				54.0
56.0										20.7	59.7	9 100 *	30.9	65.8	9 900	38.4	69.3	8 900	44.6	71.2	7 900	56.0
58.0													25.6	62.1	9 400	34.2	66.5	8 500	40.9	69.0	7 500	58.0
60.0													19.0	57.2	8 900	29.4	63.3	8 000	36.9	66.5	7 100	60.0
62.0																23.8	59.3	7 600	32.5	63.7	6 700	62.0
64.0																16.6	53.9	7 300	27.5	60.2	6 400	64.0
66.0																			21.5	55.8	6 100	66.0
68.0																			13.0	49.4	5 800	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

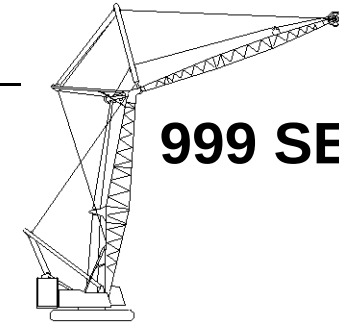
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	13 100 *										38.0
40.0	41.9	77.6	9 200 *	48.1	81.0	10 400 *	51.5	82.5	11 300 *	56.7	84.3	12 400 *										40.0
42.0	38.2	75.3	8 700 *	44.8	79.1	9 800 *	48.4	80.8	10 600 *	53.8	82.9	11 800 *										42.0
44.0	34.3	72.5	8 100 *	41.4	77.0	9 300 *	45.2	78.9	9 900 *	50.9	81.3	11 100 *	56.0	82.8	12 100 *							44.0
46.0	29.8	69.3	7 600 *	37.7	74.5	8 700 *	41.7	76.8	9 300 *	47.8	79.6	10 500 *	53.2	81.4	11 500 *							46.0
48.0	24.7	65.5	7 200 *	33.7	71.8	8 200 *	38.1	74.4	8 800 *	44.5	77.7	9 900 *	50.2	79.8	10 900 *							48.0
50.0	18.3	60.4	6 800 *	29.1	68.5	7 700 *	34.1	71.7	8 300 *	41.1	75.5	9 300 *	47.0	78.0	10 300 *							50.0
52.0				23.9	64.5	7 300 *	29.6	68.5	7 800 *	37.3	73.1	8 700 *	43.7	76.0	9 700 *	49.3	77.8	9 700				52.0
54.0				17.2	59.1	6 900 *	24.5	64.6	7 300 *	33.3	70.3	8 200 *	40.2	73.8	9 200 *	46.1	76.0	9 200				54.0
56.0							18.0	59.4	6 900 *	28.7	66.9	7 800 *	36.4	71.3	8 600 *	42.7	73.9	8 700				56.0
58.0										23.4	62.8	7 300 *	32.3	68.4	8 100 *	39.1	71.6	8 200	44.9	73.5	7 300	58.0
60.0										16.5	57.3	6 900 *	27.6	64.9	7 700 *	35.3	69.0	7 800	41.5	71.4	6 900	60.0
62.0													21.9	60.5	7 300 *	31.0	65.9	7 400	37.8	68.9	6 500	62.0
64.0													14.4	54.4	6 900 *	26.0	62.2	7 000	33.8	66.2	6 200	64.0
66.0																20.0	57.5	6 700	29.3	62.9	5 900	66.0
68.0																11.3	50.4	6 400	24.0	58.9	5 600	68.0
70.0																			17.4	53.6	5 300	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

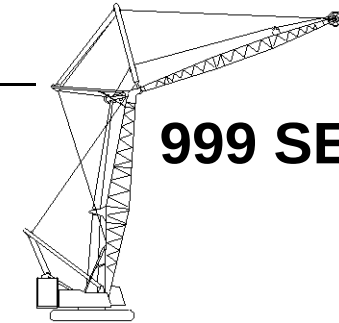
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.4	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	11 300 *										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	10 700 *										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	10 000 *										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	9 400 *	55.7	85.1	10 400 *							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	8 800 *	52.9	83.7	9 800 *							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	8 300 *	50.1	82.1	9 200 *							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	7 800 *	47.2	80.3	8 700 *	52.1	81.7	9 500 *				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	7 300 *	44.1	78.4	8 200 *	49.3	80.1	9 000 *				54.0
56.0				20.3	62.7	5 300 *	26.5	67.4	5 900 *	34.4	72.8	6 800 *	40.8	76.2	7 700 *	46.3	78.3	8 500 *				56.0
58.0							20.9	62.9	5 400 *	30.2	69.6	6 300 *	37.3	73.7	7 100 *	43.1	76.3	8 000 *				58.0
60.0							13.5	56.4	5 000 *	25.5	65.8	5 900 *	33.4	70.9	6 700 *	39.8	74.0	7 500 *	45.1	75.8	6 700	60.0
62.0										19.7	61.0	5 300 *	29.2	67.6	6 300 *	36.2	71.4	7 000 *	41.9	73.7	6 300	62.0
64.0										11.5	53.9	4 900 *	24.3	63.6	5 800 *	32.3	68.5	6 600 *	38.5	71.3	6 000	64.0
66.0													18.2	58.5	5 200 *	27.8	65.0	6 100 *	34.8	68.6	5 700	66.0
68.0																22.6	60.8	5 600 *	30.7	65.5	5 400	68.0
70.0																16.0	55.1	5 100 *	26.1	61.8	5 100	70.0
72.0																			20.5	57.2	4 800	72.0



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Liftcrane Luffing Jib Capacities

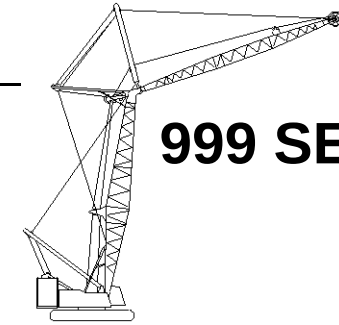
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	38 200 *																			18.0
20.0	40.6	62.0	36 100 *	55.0	65.2	40 900 *b																20.0
22.0	31.5	59.3	31 700 *	48.2	63.7	38 400 *b	56.2	65.1	38 100 b													22.0
24.0	18.8	55.0	25 000 *	40.5	61.6	34 500 *	49.5	63.6	34 900													24.0
26.0				31.3	58.9	31 400 *	42.0	61.6	32 300	55.8	64.1	29 700 b										26.0
28.0				18.6	54.6	26 700 *	33.2	59.0	30 000	49.1	62.6	27 600 b										28.0
30.0							21.4	55.2	27 700	41.5	60.6	25 700										30.0
32.0										32.6	57.9	23 900	48.3	61.1	22 000							32.0
34.0										20.5	53.9	22 100	40.6	59.1	20 300							34.0
36.0													31.5	56.3	18 900	47.1	59.2	17 300				36.0
38.0													18.8	52.1	17 600	39.2	57.1	16 100				38.0
40.0																29.7	54.2	15 000	45.2	56.9	13 700	40.0
42.0																15.8	49.4	14 100	37.1	54.6	12 800	42.0
44.0																			26.9	51.4	12 000	44.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

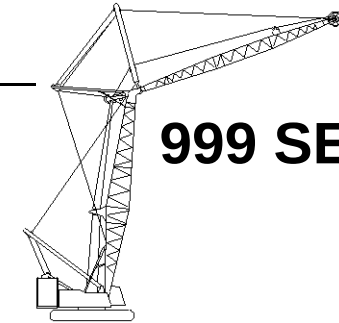
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	33 500 *	59.9	68.9	38 000 *b	66.1	69.7	40 200 b													20.0
22.0	41.7	64.4	31 600 *	54.3	67.6	36 000 *b	60.9	68.7	37 400 b													22.0
24.0	34.1	61.8	28 300 *	48.3	66.0	34 000 *	55.4	67.4	34 300													24.0
26.0	24.5	58.2	25 200 *	41.6	64.0	31 100 *	49.4	65.9	31 600	60.6	67.7	29 200 b										26.0
28.0				34.0	61.4	28 300 *	42.9	64.0	29 400	55.0	66.4	27 000 b										28.0
30.0				24.3	57.8	25 300 *	35.5	61.5	27 500	49.1	64.9	25 200										30.0
32.0				6.6	50.5	18 900 *	26.3	58.2	25 600	42.5	62.9	23 500	54.4	65.0	21 500							32.0
34.0										35.0	60.4	21 900	48.4	63.4	20 100							34.0
36.0										25.7	57.0	20 300	41.7	61.4	18 700							36.0
38.0										10.4	50.9	19 000	34.1	58.9	17 400	47.3	61.5	15 800				38.0
40.0													24.5	55.3	16 300	40.5	59.5	14 800				40.0
42.0																32.6	56.8	13 900				42.0
44.0																22.5	52.9	13 000	38.7	57.0	11 800	44.0
46.0																			30.4	54.1	11 100	46.0
48.0																			19.2	49.7	10 400	48.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

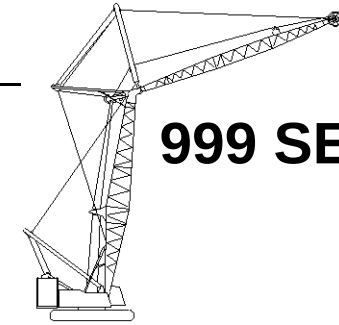
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	34 300 *b																20.0
22.0	48.4	68.7	29 000 *	58.8	71.2	32 600 *	64.4	72.1	34 700 *b													22.0
24.0	42.6	66.7	27 800 *	53.7	69.9	31 200 *	59.6	71.0	33 100 *													24.0
26.0	36.0	64.2	25 300 *	48.4	68.3	29 800 *	54.7	69.7	31 100													26.0
28.0	28.1	61.1	22 800 *	42.5	66.3	28 200 *	49.4	68.2	28 900	59.4	70.0	26 600 b										28.0
30.0	17.3	56.3	19 400 *	35.9	63.8	25 300 *	43.6	66.3	27 000	54.4	68.7	24 800										30.0
32.0				28.0	60.6	22 800 *	37.2	63.9	25 300	49.0	67.2	23 100										32.0
34.0				17.1	55.8	20 200 *	29.6	60.9	23 300 *	43.3	65.2	21 700	53.8	67.3	19 800							34.0
36.0							19.5	56.5	21 100 *	36.7	62.9	20 200	48.5	65.7	18 500							36.0
38.0										29.1	59.8	18 800	42.6	63.8	17 200							38.0
40.0										18.7	55.2	17 700	36.0	61.3	16 100	47.5	63.8	14 600				40.0
42.0													28.1	58.1	15 100	41.5	61.8	13 700				42.0
44.0													17.3	53.3	14 200	34.8	59.3	12 900				44.0
46.0																26.6	55.9	12 100	40.0	59.3	10 900	46.0
48.0																14.7	50.6	11 400	32.9	56.6	10 200	48.0
50.0																			24.2	53.0	9 700	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

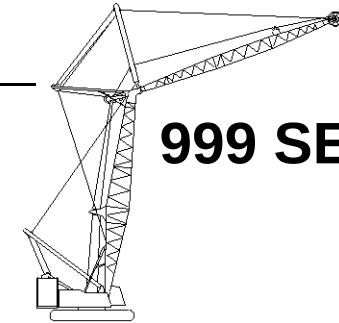
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 800 *b																20.0
22.0	53.3	72.6	26 800 *	62.2	74.7	30 200 *																22.0
24.0	48.5	71.0	25 400 *	57.8	73.6	28 800 *	62.9	74.5	30 600 *													24.0
26.0	43.3	69.0	24 300 *	53.3	72.2	27 300 *	58.6	73.4	29 100 *													26.0
28.0	37.5	66.7	22 800 *	48.4	70.6	26 000 *	54.1	72.1	27 800 *													28.0
30.0	30.7	63.7	20 600 *	43.2	68.6	24 800 *	49.3	70.5	26 400 *	58.4	72.4	24 200										30.0
32.0	22.3	59.7	18 900 *	37.4	66.3	22 600 *	44.2	68.6	24 700	53.8	71.1	22 600										32.0
34.0				30.6	63.3	20 600 *	38.5	66.3	23 100	49.0	69.5	21 200										34.0
36.0				22.2	59.3	18 900 *	32.0	63.5	21 000 *	43.9	67.6	19 900	53.3	69.6	18 200							36.0
38.0				7.4	51.7	15 400 *	23.9	59.7	19 100 *	38.1	65.3	18 600	48.5	68.0	17 000							38.0
40.0										31.5	62.4	17 400	43.3	66.1	15 900							40.0
42.0										23.4	58.5	16 300	37.5	63.7	14 900	47.7	66.1	13 400				42.0
44.0										10.4	51.9	15 400	30.8	60.8	14 000	42.3	64.1	12 600				44.0
46.0													22.3	56.8	13 100	36.4	61.7	11 800	46.4	63.8	10 600	46.0
48.0																29.5	58.6	11 200	40.9	61.7	10 000	48.0
50.0																20.6	54.3	10 600	34.8	59.1	9 400	50.0
52.0																			27.6	55.8	8 900	52.0
54.0																			17.8	51.0	8 400	54.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

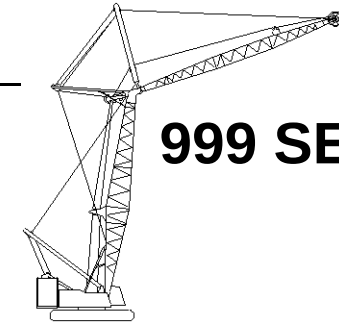
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	72.8	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	29 900 *b																20.0
22.0	57.1	76.3	25 700 *	64.9	78.1	28 700 *																22.0
24.0	53.0	74.9	24 500 *	61.1	77.1	27 500 *	65.6	77.9	28 800 *													24.0
26.0	48.5	73.3	23 400 *	57.1	75.9	26 200 *	61.8	76.9	27 700 *													26.0
28.0	43.8	71.3	22 200 *	52.9	74.5	25 000 *	57.8	75.7	26 500 *													28.0
30.0	38.6	69.1	20 500 *	48.5	72.9	23 900 *	53.7	74.4	25 300 *													30.0
32.0	32.8	66.3	18 800 *	43.7	70.9	22 800 *	49.3	72.8	24 200 *	57.6	74.7	22 400										32.0
34.0	25.8	62.7	17 400 *	38.5	68.6	21 100 *	44.6	70.9	23 000	53.4	73.4	21 000										34.0
36.0	16.2	57.5	15 600 *	32.7	65.9	19 300 *	39.5	68.7	21 400	49.0	71.8	19 700										36.0
38.0				25.7	62.3	17 800 *	33.8	66.0	19 600 *	44.3	69.9	18 600	53.0	72.0	16 900							38.0
40.0				16.0	57.0	16 200 *	27.0	62.6	18 000 *	39.2	67.6	17 400	48.6	70.3	15 800							40.0
42.0							18.1	57.8	16 700 *	33.4	64.9	16 300	43.8	68.4	14 800							42.0
44.0										26.6	61.5	15 300	38.6	66.1	13 900	47.8	68.4	12 500				44.0
46.0										17.5	56.5	14 400	32.8	63.3	13 100	43.0	66.5	11 800				46.0
48.0													25.8	59.8	12 400	37.7	64.1	11 100				48.0
50.0													16.2	54.5	11 700	31.7	61.2	10 500	41.7	64.0	9 300	50.0
52.0																24.4	57.5	9 900	36.3	61.6	8 800	52.0
54.0																14.0	51.7	9 400	30.0	58.5	8 300	54.0
56.0																			22.3	54.4	7 900	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

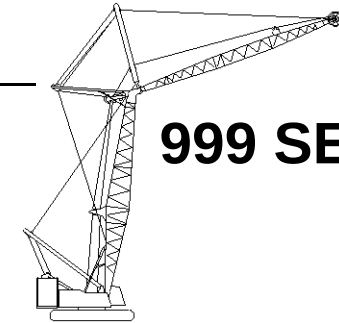
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	23 300 *																24.0
26.0	52.6	77.2	19 800 *	60.1	79.5	22 200 *	64.3	80.3	23 400 *													26.0
28.0	48.6	75.6	18 900 *	56.4	78.2	21 200 *	60.8	79.3	22 400 *													28.0
30.0	44.3	73.7	18 000 *	52.6	76.8	20 200 *	57.1	78.1	21 400 *													30.0
32.0	39.6	71.4	17 200 *	48.5	75.2	19 200 *	53.3	76.7	20 400 *	60.6	78.3	22 100 *										32.0
34.0	34.4	68.8	16 500 *	44.2	73.3	18 300 *	49.3	75.1	19 500 *	56.9	77.1	20 800										34.0
36.0	28.3	65.5	15 500 *	39.5	71.0	17 500 *	45.0	73.2	18 600 *	53.1	75.7	19 500										36.0
38.0	20.8	61.1	14 500 *	34.3	68.4	16 800 *	40.4	71.1	17 800 *	49.0	74.1	18 400										38.0
40.0				28.2	65.1	16 100 *	35.3	68.5	17 000 *	44.7	72.2	17 400	52.6	74.3	15 800							40.0
42.0				20.7	60.7	15 400 *	29.4	65.3	16 400 *	40.1	70.0	16 300	48.6	72.6	14 800							42.0
44.0				8.0	52.8	12 900 *	22.2	61.2	15 600 *	34.9	67.4	15 300	44.3	70.7	13 900							44.0
46.0										29.0	64.2	14 400	39.6	68.5	13 100	47.9	70.7	11 800				46.0
48.0										21.7	60.0	13 600	34.4	65.8	12 300	43.5	68.8	11 100				48.0
50.0										10.4	53.0	12 900	28.3	62.5	11 700	38.7	66.5	10 500				50.0
52.0													20.8	58.2	11 100	33.4	63.7	9 900	42.4	66.4	8 800	52.0
54.0																27.2	60.3	9 400	37.5	64.0	8 300	54.0
56.0																19.2	55.7	8 900	32.0	61.1	7 800	56.0
58.0																			25.5	57.4	7 400	58.0
60.0																			16.8	52.3	7 100	60.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

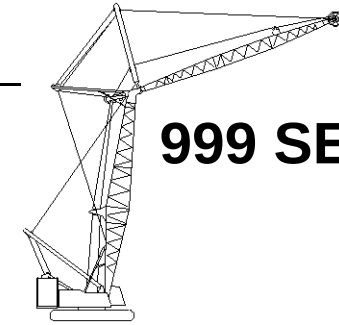
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	21 500 *													26.0
28.0	52.4	79.5	17 500 *	59.3	81.8	19 600 *	63.2	82.7	20 700 *													28.0
30.0	48.6	77.9	16 700 *	55.9	80.6	18 700 *	59.9	81.7	19 800 *													30.0
32.0	44.6	76.0	15 900 *	52.3	79.1	17 800 *	56.5	80.4	18 900 *	63.0	81.8	20 200 *										32.0
34.0	40.4	73.8	15 200 *	48.6	77.5	17 000 *	53.0	79.0	18 000 *	59.7	80.7	19 500 *										34.0
36.0	35.7	71.2	14 500 *	44.6	75.6	16 200 *	49.3	77.4	17 200 *	56.3	79.4	18 700 *										36.0
38.0	30.3	68.1	13 900 *	40.3	73.4	15 400 *	45.3	75.5	16 400 *	52.8	78.0	18 000 *										38.0
40.0	24.0	64.3	13 200 *	35.6	70.8	14 800 *	41.1	73.4	15 600 *	49.0	76.4	17 100	55.9	78.0	15 500							40.0
42.0	15.4	58.7	12 200 *	30.3	67.7	14 100 *	36.5	70.9	15 000 *	45.1	74.5	16 100	52.4	76.6	14 600							42.0
44.0				23.9	63.8	13 600 *	31.3	67.9	14 300 *	40.8	72.4	15 200	48.6	74.9	13 700							44.0
46.0				15.3	58.2	13 000 *	25.2	64.2	13 800 *	36.2	69.8	14 300	44.6	73.0	12 900	51.7	74.7	11 600				46.0
48.0							17.2	59.1	13 300 *	31.0	66.8	13 500	40.4	70.8	12 200	48.0	73.0	10 900				48.0
50.0										24.8	63.0	12 800	35.7	68.3	11 500	43.9	71.1	10 300				50.0
52.0										16.6	57.7	12 100	30.3	65.2	10 900	39.6	68.9	9 700	47.0	70.7	8 600	52.0
54.0													24.0	61.3	10 300	34.8	66.2	9 200	42.9	68.7	8 100	54.0
56.0													15.4	55.7	9 800	29.4	63.0	8 700	38.5	66.4	7 700	56.0
58.0																22.8	59.0	8 300	33.6	63.6	7 200	58.0
60.0																13.5	52.8	7 900	27.9	60.2	6 900	60.0
62.0																			20.9	55.8	6 500	62.0
64.0																			10.0	48.6	6 200	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

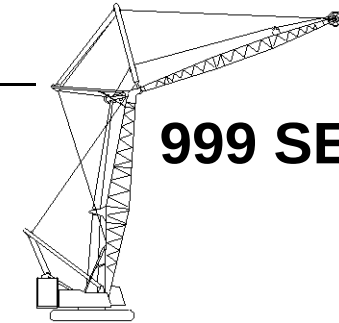
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	18 900 *													28.0
30.0	52.1	81.8	15 100 *	58.6	84.2	17 000 *	62.3	85.1	18 100 *													30.0
32.0	48.6	80.2	14 400 *	55.4	82.9	16 200 *	59.2	84.0	17 200 *													32.0
34.0	45.0	78.3	13 700 *	52.1	81.4	15 400 *	56.0	82.7	16 400 *	62.1	84.1	17 700 *										34.0
36.0	41.0	76.1	13 000 *	48.6	79.8	14 600 *	52.7	81.3	15 600 *	59.0	83.0	17 000 *										36.0
38.0	36.7	73.7	12 400 *	44.9	77.9	13 900 *	49.2	79.7	14 800 *	55.8	81.7	16 300 *										38.0
40.0	32.0	70.7	11 800 *	41.0	75.7	13 200 *	45.6	77.8	14 100 *	52.5	80.3	15 500 *										40.0
42.0	26.5	67.2	11 200 *	36.7	73.2	12 600 *	41.7	75.8	13 400 *	49.0	78.7	14 800 *	55.5	80.3	14 200							42.0
44.0	19.6	62.5	10 800 *	31.9	70.3	11 900 *	37.5	73.3	12 800 *	45.4	76.8	14 100 *	52.1	78.9	13 500							44.0
46.0				26.4	66.7	11 400 *	32.8	70.5	12 100 *	41.5	74.7	13 400 *	48.6	77.2	12 700							46.0
48.0				19.5	62.0	10 900 *	27.5	67.0	11 600 *	37.2	72.3	12 800 *	45.0	75.3	12 000	51.6	77.0	10 700				48.0
50.0				8.3	53.9	10 300 *	20.9	62.6	11 100 *	32.5	69.4	12 200 *	41.0	73.2	11 300	48.0	75.3	10 100				50.0
52.0										27.1	65.9	11 600 *	36.7	70.7	10 600	44.3	73.4	9 500				52.0
54.0										20.5	61.4	11 100 *	32.0	67.8	10 100	40.3	71.2	8 900				54.0
56.0										10.3	54.1	10 700	26.5	64.2	9 600	36.0	68.7	8 500	43.4	71.0	7 400	56.0
58.0													19.6	59.5	9 100	31.1	65.7	8 000	39.3	68.7	7 000	58.0
60.0																25.4	61.9	7 600	34.8	66.1	6 700	60.0
62.0																18.2	56.9	7 200	29.8	62.9	6 300	62.0
64.0																4.6	47.1	6 900	23.9	59.0	5 900	64.0
66.0																			16.0	53.5	5 600	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

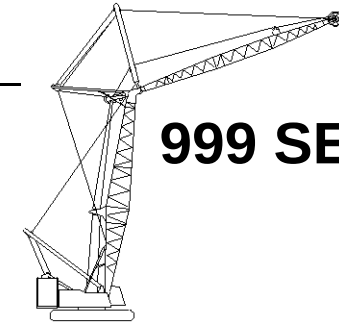
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.5	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	16 600 *													30.0
32.0	51.9	84.1	13 200 *	58.0	86.5	14 800 *	61.4	87.5	15 800 *													32.0
34.0	48.7	82.5	12 400 *	55.0	85.2	14 100 *	58.5	86.4	15 000 *													34.0
36.0	45.2	80.6	11 700 *	51.9	83.7	13 300 *	55.6	85.1	14 300 *	61.3	86.5	15 500 *										36.0
38.0	41.6	78.5	11 100 *	48.6	82.1	12 600 *	52.5	83.6	13 500 *	58.4	85.4	14 900 *										38.0
40.0	37.7	76.1	10 500 *	45.2	80.2	11 900 *	49.2	82.0	12 800 *	55.4	84.1	14 100 *										40.0
42.0	33.3	73.3	10 000 *	41.5	78.1	11 300 *	45.8	80.2	12 100 *	52.3	82.6	13 500 *										42.0
44.0	28.5	69.9	9 500 *	37.6	75.7	10 700 *	42.2	78.1	11 500 *	49.0	81.0	12 800 *	55.0	82.7	13 300							44.0
46.0	22.6	65.7	9 000 *	33.3	72.8	10 100 *	38.3	75.7	10 800 *	45.6	79.1	12 100 *	51.9	81.2	12 600							46.0
48.0	14.8	59.8	8 600 *	28.4	69.5	9 600 *	34.1	73.0	10 300 *	42.0	77.0	11 500 *	48.7	79.5	11 900							48.0
50.0				22.6	65.3	9 100 *	29.3	69.8	9 800 *	38.1	74.7	10 900 *	45.2	77.7	11 200							50.0
52.0				14.7	59.4	8 800 *	23.7	65.7	9 300 *	33.8	71.9	10 300 *	41.6	75.5	10 600	48.1	77.6	9 400				52.0
54.0							16.4	60.3	8 800 *	29.0	68.6	9 800 *	37.7	73.1	10 000	44.6	75.7	8 900				54.0
56.0										23.3	64.6	9 300 *	33.3	70.3	9 500	40.9	73.6	8 400				56.0
58.0										15.9	58.9	8 900 *	28.5	67.0	9 000	37.0	71.1	8 000	43.8	73.3	6 900	58.0
60.0													22.6	62.8	8 600	32.6	68.2	7 500	40.0	71.1	6 600	60.0
62.0													14.8	56.9	8 200	27.6	64.8	7 200	35.9	68.5	6 200	62.0
64.0																21.5	60.4	6 800	31.4	65.5	5 900	64.0
66.0																13.1	54.0	6 500	26.2	61.9	5 600	66.0
68.0																			19.8	57.2	5 300	68.0
70.0																			10.0	49.7	5 000	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

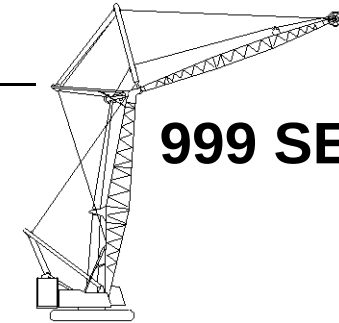
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	13 600 *													34.0
36.0	48.7	84.8	10 500 *	54.6	87.5	11 900 *	58.0	88.7	12 900 *													36.0
38.0	45.5	82.9	9 800 *	51.7	86.0	11 300 *	55.2	87.4	12 100 *	60.5	88.9	13 400 *										38.0
40.0	42.1	80.8	9 200 *	48.6	84.4	10 600 *	52.2	85.9	11 400 *	57.8	87.7	12 700 *										40.0
42.0	38.4	78.5	8 700 *	45.4	82.5	10 000 *	49.2	84.3	10 800 *	55.0	86.4	12 100 *										42.0
44.0	34.5	75.7	8 200 *	42.0	80.4	9 300 *	46.0	82.5	10 100 *	52.1	84.9	11 400 *										44.0
46.0	30.1	72.6	7 700 *	38.4	78.0	8 800 *	42.7	80.4	9 500 *	49.0	83.3	10 700 *	54.7	85.0	11 800 *							46.0
48.0	25.0	68.7	7 300 *	34.4	75.3	8 300 *	39.1	78.1	8 900 *	45.8	81.4	10 200 *	51.7	83.5	11 200 *							48.0
50.0	18.7	63.8	6 900 *	30.0	72.2	7 800 *	35.2	75.5	8 400 *	42.5	79.4	9 600 *	48.7	81.8	10 700 *							50.0
52.0				24.9	68.3	7 300 *	30.9	72.4	7 900 *	38.8	77.0	9 000 *	45.5	80.0	10 100 *	51.2	81.6	9 200				52.0
54.0				18.6	63.3	6 900 *	25.9	68.7	7 500 *	34.9	74.4	8 500 *	42.1	77.9	9 500 *	48.2	79.9	8 600				54.0
56.0				8.6	55.0	6 600 *	19.9	64.0	7 100 *	30.6	71.3	8 000 *	38.4	75.5	8 900 *	44.9	78.0	8 200				56.0
58.0										25.6	67.5	7 500 *	34.5	72.8	8 500 *	41.5	75.9	7 700	47.4	77.6	6 700	58.0
60.0										19.5	62.7	7 100 *	30.1	69.6	7 900 *	37.8	73.5	7 300	44.1	75.6	6 300	60.0
62.0										10.3	55.2	6 800 *	25.0	65.8	7 500 *	33.8	70.7	6 900	40.6	73.5	6 000	62.0
64.0													18.7	60.8	7 100 *	29.3	67.5	6 600	36.9	71.0	5 600	64.0
66.0																24.1	63.5	6 200	32.7	68.1	5 300	66.0
68.0																17.4	58.2	5 900	28.1	64.7	5 000	68.0
70.0																5.6	48.4	5 700	22.6	60.5	4 800	70.0
72.0																			15.4	54.6	4 500	72.0



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Liftcrane Luffing Jib Capacities

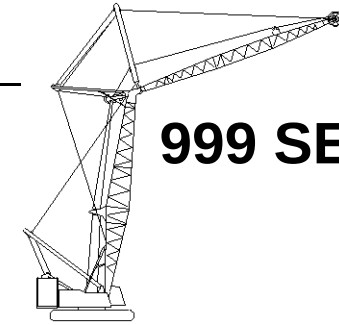
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	11 500 *										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	10 900 *										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	10 300 *										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	9 700 *	57.0	88.7	10 700 *							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	9 100 *	54.4	87.3	10 100 *							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	8 600 *	51.6	85.8	9 600 *							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	8 000 *	48.7	84.1	9 000 *							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	7 500 *	45.7	82.3	8 500 *	51.1	83.9	8 500				54.0
56.0				21.5	66.7	5 500 *	27.7	71.5	6 100 *	35.9	76.8	7 000 *	42.5	80.2	7 900 *	48.2	82.2	8 000				56.0
58.0				14.2	60.5	5 000 *	22.5	67.2	5 600 *	31.9	73.8	6 600 *	39.1	77.9	7 500 *	45.2	80.4	7 600				58.0
60.0							15.8	61.5	5 100 *	27.5	70.3	6 100 *	35.5	75.3	7 000 *	42.0	78.2	7 100				60.0
62.0										22.2	66.0	5 600 *	31.5	72.2	6 500 *	38.5	75.9	6 700	44.4	78.0	5 800	62.0
64.0										15.3	60.1	5 100 *	26.9	68.7	6 100 *	34.8	73.2	6 400	41.1	75.8	5 400	64.0
66.0													21.5	64.2	5 500 *	30.7	70.1	6 100	37.7	73.4	5 100	66.0
68.0													14.4	58.0	5 000 *	26.1	66.4	5 700	33.9	70.6	4 900	68.0
70.0																20.5	61.8	5 500	29.7	67.4	4 600	70.0
72.0																12.8	55.1	5 000 *	24.8	63.5	4 300	72.0
76.0																			10.0	50.7	3 900	76.0



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Liftcrane Luffing Jib Capacities

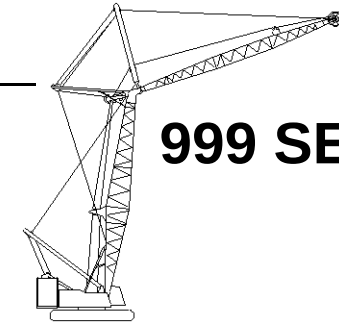
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	38 100 *																			18.0
20.0	41.1	65.2	34 700 *	56.3	68.5	41 000 *b																20.0
22.0	32.0	62.5	30 900 *	49.5	67.0	36 900 *b	57.9	68.4	37 100 b													22.0
24.0	19.7	58.4	25 500 *	42.0	65.1	33 200 *	51.3	67.0	34 000 b													24.0
26.0				33.2	62.5	30 300 *	44.1	65.2	31 500	58.4	67.6	28 800 b										26.0
28.0				21.5	58.6	27 000 *	35.7	62.8	29 200	51.8	66.2	26 700 b										28.0
30.0							25.0	59.4	27 300	44.6	64.4	24 800										30.0
32.0										36.3	62.0	23 300	51.9	64.9	21 100 b							32.0
34.0										25.9	58.7	21 700	44.8	63.1	19 800							34.0
36.0													36.5	60.7	18 300							36.0
38.0													26.2	57.5	17 100	44.4	61.3	15 500				38.0
40.0																36.1	58.9	14 500				40.0
42.0																25.6	55.6	13 500	43.4	59.0	12 100	42.0
44.0																			34.9	56.6	11 400	44.0
46.0																			24.0	53.0	10 700	46.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

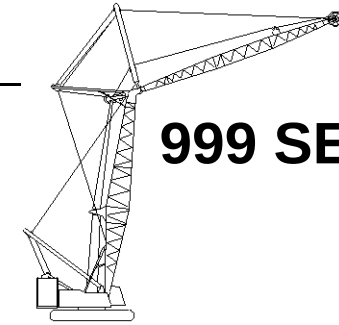
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	33 500 *	60.9	72.1	38 100 *b																20.0
22.0	42.1	67.5	30 900 *	55.4	70.8	36 100 *b	62.3	72.0	36 400 b													22.0
24.0	34.5	65.0	27 700 *	49.5	69.3	33 100 *	56.9	70.8	33 400 b													24.0
26.0	25.1	61.5	25 000 *	42.9	67.4	30 000 *	51.0	69.3	30 800	62.7	71.1	28 200 b										26.0
28.0				35.5	64.9	27 400 *	44.7	67.5	28 600	57.2	69.9	26 100 b										28.0
30.0				26.3	61.6	25 300 *	37.6	65.2	26 700	51.5	68.5	24 300										30.0
32.0				12.0	55.8	20 900 *	29.0	62.2	25 100	45.2	66.7	22 800	57.4	68.6	20 600 b							32.0
34.0										38.1	64.4	21 300	51.6	67.2	19 300							34.0
36.0										29.6	61.5	20 000	45.3	65.4	18 100							36.0
38.0										18.0	56.9	18 600	38.2	63.1	16 900							38.0
40.0													29.8	60.2	15 800	45.0	63.6	14 200				40.0
42.0													18.3	55.7	14 800	37.9	61.3	13 300				42.0
44.0																29.4	58.3	12 500				44.0
46.0																			36.9	59.0	10 400	46.0
48.0																			28.2	55.9	9 800	48.0
50.0																			15.5	50.9	9 200	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

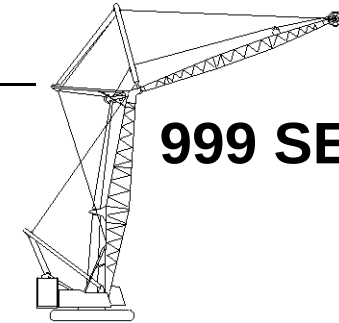
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	34 400 *b																20.0
22.0	48.7	71.8	29 000 *	59.7	74.5	32 800 *b	65.6	75.3	34 700 *b													22.0
24.0	42.9	69.9	27 400 *	54.7	73.2	31 300 *	60.9	74.3	32 800													24.0
26.0	36.4	67.4	24 900 *	49.4	71.6	29 800 *	56.0	73.1	30 300													26.0
28.0	28.6	64.3	22 800 *	43.6	69.7	27 300 *	50.8	71.6	28 200	61.3	73.4	25 700 b										28.0
30.0	18.0	59.7	19 700 *	37.2	67.4	25 100 *	45.2	69.8	26 300	56.4	72.2	23 900										30.0
32.0				29.6	64.3	23 200 *	39.0	67.6	24 600	51.2	70.8	22 400										32.0
34.0				19.5	60.0	20 800 *	31.7	64.8	23 200	45.6	69.0	21 000	56.5	70.9	19 000							34.0
36.0							22.6	60.9	21 600	39.4	66.8	19 700	51.3	69.5	17 800							36.0
38.0										32.3	64.0	18 400	45.7	67.7	16 700							38.0
40.0										23.3	60.2	17 200	39.6	65.5	15 600	51.1	67.7	14 000				40.0
42.0													32.4	62.8	14 600	45.5	65.9	13 100				42.0
44.0													23.5	59.0	13 700	39.2	63.7	12 300				44.0
46.0																32.1	60.9	11 600	44.7	63.6	10 200	46.0
48.0																23.0	57.1	10 900	38.4	61.4	9 600	48.0
50.0																			31.1	58.5	9 100	50.0
52.0																			21.6	54.5	8 600	52.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

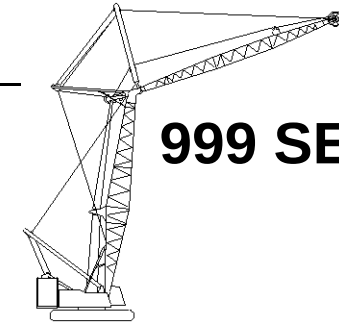
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	31 900 *b																20.0
22.0	53.6	75.7	26 700 *	63.0	77.9	30 300 *																22.0
24.0	48.8	74.1	25 400 *	58.7	76.8	28 900 *	64.1	77.8	30 700 *													24.0
26.0	43.6	72.2	24 300 *	54.1	75.5	27 500 *	59.8	76.7	29 400													26.0
28.0	37.8	69.8	22 300 *	49.4	73.9	26 300 *	55.3	75.4	27 700													28.0
30.0	31.1	66.9	20 500 *	44.2	72.0	24 800 *	50.6	73.9	25 700	60.1	75.8	23 400										30.0
32.0	22.8	63.0	18 900 *	38.5	69.8	23 000 *	45.6	72.1	24 100	55.7	74.6	21 900										32.0
34.0				32.0	66.9	20 900 *	40.0	70.0	22 600	51.0	73.1	20 500										34.0
36.0				24.0	63.2	19 100 *	33.8	67.3	21 300	46.0	71.3	19 300	55.8	73.2	17 400							36.0
38.0				11.7	56.9	16 700 *	26.3	63.9	19 600 *	40.5	69.2	18 200	51.1	71.8	16 400							38.0
40.0										34.3	66.5	17 000	46.1	70.0	15 400							40.0
42.0										26.9	63.2	16 000	40.6	67.9	14 400	50.8	70.0	12 800				42.0
44.0										16.7	58.2	15 000	34.4	65.3	13 500	45.8	68.2	12 000				44.0
46.0													27.0	61.9	12 700	40.3	66.1	11 300				46.0
48.0													17.0	57.0	12 000	34.1	63.4	10 700	45.1	66.0	9 400	48.0
50.0																26.6	60.0	10 100	39.6	63.8	8 800	50.0
52.0																			33.2	61.1	8 300	52.0
54.0																			25.6	57.5	7 800	54.0
56.0																			14.6	52.0	7 400	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

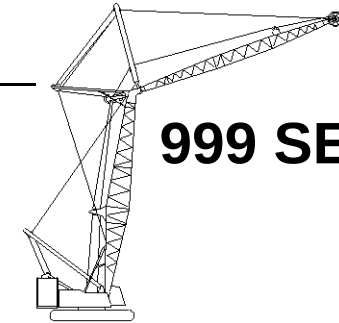
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	29 700 *b																20.0
22.0	57.3	79.4	25 600 *	65.6	81.3	28 600 *																22.0
24.0	53.2	78.0	24 400 *	61.8	80.3	27 500 *																24.0
26.0	48.8	76.4	23 300 *	57.8	79.2	26 300 *	62.8	80.2	27 800 *													26.0
28.0	44.1	74.5	21 600 *	53.7	77.8	25 100 *	58.9	79.1	26 700 *													28.0
30.0	38.9	72.2	19 900 *	49.3	76.2	24 000 *	54.8	77.8	25 400													30.0
32.0	33.1	69.5	18 400 *	44.7	74.3	22 900 *	50.5	76.2	23 800	59.2	78.2	21 600										32.0
34.0	26.2	66.0	17 100 *	39.6	72.1	21 200 *	45.9	74.4	22 400	55.1	76.9	20 300										34.0
36.0	16.8	60.9	15 600 *	33.8	69.4	19 600 *	40.9	72.3	21 100	50.8	75.4	19 000										36.0
38.0				27.1	66.0	18 000 *	35.4	69.8	19 900	46.2	73.6	18 000										38.0
40.0				18.2	61.2	16 500 *	29.0	66.6	18 400 *	41.3	71.5	17 000	50.9	74.1	15 200							40.0
42.0							20.9	62.3	17 000 *	35.8	69.0	15 900	46.3	72.3	14 300							42.0
44.0										29.5	65.9	15 000	41.4	70.2	13 500							44.0
46.0										21.5	61.7	14 100	35.9	67.7	12 700	46.1	70.5	11 200				46.0
48.0													29.6	64.6	11 900	41.2	68.4	10 600				48.0
50.0													21.7	60.4	11 300	35.7	65.9	10 000				50.0
52.0																29.3	62.8	9 400	40.5	66.1	8 300	52.0
54.0																21.3	58.5	9 000	34.9	63.5	7 800	54.0
56.0																			28.4	60.3	7 400	56.0
58.0																			20.0	55.8	7 000	58.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

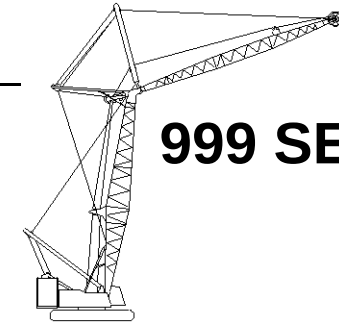
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.5	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	23 400 *																24.0
26.0	52.8	80.3	19 900 *	60.8	82.7	22 400 *	65.2	83.6	23 500 *													26.0
28.0	48.8	78.7	18 900 *	57.1	81.5	21 300 *	61.7	82.6	22 600 *													28.0
30.0	44.5	76.8	18 100 *	53.3	80.1	20 300 *	58.1	81.4	21 600 *													30.0
32.0	39.8	74.6	17 300 *	49.3	78.5	19 400 *	54.3	80.1	20 600 *	62.0	81.7	21 400										32.0
34.0	34.7	72.0	16 300 *	45.0	76.7	18 500 *	50.4	78.5	19 700 *	58.4	80.5	20 100										34.0
36.0	28.7	68.7	15 200 *	40.4	74.5	17 700 *	46.2	76.8	18 800 *	54.6	79.2	18 900										36.0
38.0	21.3	64.4	14 300 *	35.3	71.9	16 900 *	41.6	74.7	18 000 *	50.6	77.7	17 800										38.0
40.0				29.4	68.8	16 300 *	36.7	72.2	17 200 *	46.5	75.9	16 800	54.7	77.9	15 100							40.0
42.0				22.3	64.6	15 600 *	31.1	69.2	16 600 *	42.0	73.9	15 900	50.7	76.4	14 300							42.0
44.0				11.4	58.0	13 900 *	24.3	65.4	15 900 *	37.1	71.4	15 000	46.6	74.6	13 500							44.0
46.0										31.5	68.5	14 100	42.1	72.6	12 600	50.5	74.6	11 200				46.0
48.0										24.8	64.8	13 300	37.2	70.1	11 900	46.4	72.8	10 600				48.0
50.0										15.8	59.4	12 600	31.6	67.2	11 300	41.9	70.8	10 000				50.0
52.0													25.0	63.5	10 600	36.9	68.3	9 400	45.8	70.6	8 200	52.0
54.0													16.0	58.2	10 100	31.3	65.4	8 900	41.3	68.5	7 700	54.0
56.0																24.6	61.6	8 400	36.2	66.0	7 300	56.0
58.0																			30.6	62.9	6 900	58.0
60.0																			23.7	59.0	6 600	60.0
62.0																			13.9	53.2	6 200	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

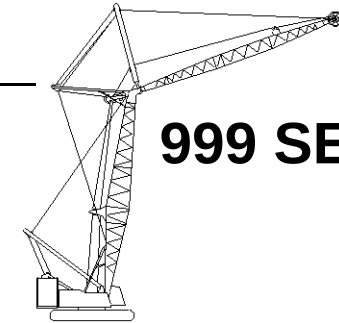
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	21 600 *													26.0
28.0	52.6	82.6	17 500 *	59.9	85.1	19 700 *	64.1	86.0	20 800 *													28.0
30.0	48.8	81.0	16 700 *	56.5	83.8	18 800 *	60.8	85.0	19 900 *													30.0
32.0	44.9	79.1	15 900 *	53.0	82.4	17 900 *	57.4	83.8	19 000 *													32.0
34.0	40.6	77.0	15 200 *	49.3	80.8	17 100 *	53.9	82.4	18 200 *	61.0	84.1	19 600										34.0
36.0	35.9	74.4	14 500 *	45.3	79.0	16 300 *	50.3	80.8	17 400 *	57.7	82.9	18 500										36.0
38.0	30.6	71.4	13 800 *	41.1	76.8	15 600 *	46.4	79.1	16 600 *	54.2	81.5	17 500										38.0
40.0	24.4	67.5	13 000 *	36.5	74.3	14 900 *	42.2	77.0	15 900 *	50.5	80.0	16 500										40.0
42.0	16.0	62.1	12 200 *	31.3	71.4	14 300 *	37.7	74.6	15 200 *	46.7	78.2	15 600	54.2	80.2	14 000							42.0
44.0				25.2	67.7	13 700 *	32.7	71.8	14 500 *	42.5	76.2	14 800	50.6	78.7	13 200							44.0
46.0				17.2	62.5	13 100 *	26.9	68.3	13 900 *	38.1	73.8	14 000	46.7	76.9	12 500							46.0
48.0							19.6	63.6	13 400 *	33.1	71.0	13 200	42.6	74.9	11 800	50.4	76.9	10 400				48.0
50.0										27.4	67.6	12 500	38.2	72.5	11 100	46.6	75.1	9 800				50.0
52.0										20.2	63.1	11 800	33.2	69.8	10 500	42.4	73.1	9 200	46.1	72.9	7 600	52.0
54.0													27.5	66.3	9 900	38.0	70.7	8 700	41.9	70.8	7 200	54.0
56.0													20.3	61.8	9 400	33.0	67.9	8 300	37.4	68.4	6 700	56.0
58.0																27.2	64.5	7 800	32.3	65.5	6 400	58.0
60.0																20.0	59.9	7 400	26.4	62.0	6 000	60.0
62.0																			18.9	57.2	5 800	62.0
64.0																						64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

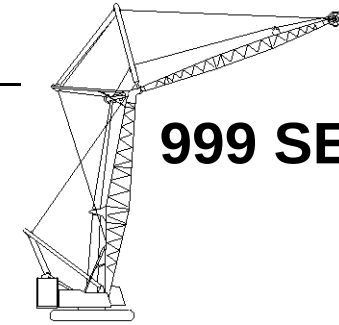
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	74.6	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	19 000 *													28.0
30.0	52.3	84.9	15 200 *	59.2	87.4	17 200 *	63.1	88.4	18 200 *													30.0
32.0	48.8	83.3	14 400 *	56.0	86.2	16 300 *	60.0	87.3	17 400 *													32.0
34.0	45.2	81.4	13 700 *	52.7	84.7	15 500 *	56.9	86.1	16 600 *													34.0
36.0	41.2	79.3	13 000 *	49.3	83.1	14 800 *	53.6	84.7	15 800 *	60.2	86.4	17 200 *										36.0
38.0	37.0	76.8	12 400 *	45.6	81.3	14 000 *	50.2	83.1	15 000 *	57.1	85.2	16 500 *										38.0
40.0	32.3	73.9	11 800 *	41.7	79.2	13 300 *	46.6	81.4	14 300 *	53.8	83.8	15 800 *										40.0
42.0	26.8	70.4	11 300 *	37.5	76.8	12 700 *	42.8	79.3	13 600 *	50.4	82.3	15 100 *										42.0
44.0	20.0	65.8	10 800 *	32.8	73.9	12 100 *	38.6	77.0	12 900 *	46.8	80.5	14 400 *	53.9	82.5	12 900							44.0
46.0				27.5	70.5	11 500 *	34.1	74.3	12 300 *	43.0	78.5	13 700	50.5	81.0	12 200							46.0
48.0				20.9	66.0	11 000 *	29.0	71.0	11 800 *	38.9	76.2	13 000	46.9	79.2	11 500							48.0
50.0				11.3	59.1	10 700 *	22.8	66.9	11 200 *	34.4	73.5	12 300	43.1	77.2	10 900	50.3	79.2	9 600				50.0
52.0										29.4	70.3	11 600	39.0	74.9	10 300	46.7	77.4	9 000				52.0
54.0										23.3	66.3	11 000	34.5	72.2	9 700	42.9	75.4	8 500				54.0
56.0										15.1	60.5	10 400	29.5	69.0	9 200	38.8	73.1	8 000				56.0
58.0													23.4	65.0	8 700	34.3	70.4	7 600	42.4	73.1	6 500	58.0
60.0													15.3	59.3	8 300	29.2	67.2	7 200	38.3	70.8	6 200	60.0
62.0																23.1	63.1	6 800	33.7	68.0	5 800	62.0
64.0																14.9	57.3	6 500	28.5	64.7	5 500	64.0
66.0																			22.2	60.5	5 200	66.0
68.0																			13.5	54.3	4 900	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

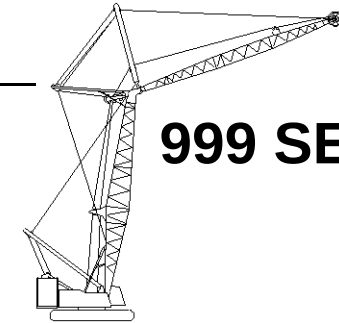
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	16 700 *													30.0
32.0	52.1	87.2	13 200 *	58.6	89.8	15 000 *	62.2	90.8	16 000 *													32.0
34.0	48.8	85.6	12 400 *	55.6	88.5	14 200 *	59.3	89.7	15 200 *													34.0
36.0	45.4	83.7	11 800 *	52.5	87.0	13 500 *	56.4	88.4	14 400 *													36.0
38.0	41.8	81.6	11 200 *	49.2	85.4	12 700 *	53.3	87.0	13 700 *	59.5	88.8	15 100 *										38.0
40.0	37.9	79.2	10 600 *	45.8	83.6	12 100 *	50.1	85.4	13 000 *	56.6	87.5	14 400 *										40.0
42.0	33.6	76.5	10 000 *	42.2	81.5	11 400 *	46.7	83.7	12 300 *	53.5	86.1	13 700 *										42.0
44.0	28.7	73.2	9 500 *	38.4	79.2	10 800 *	43.2	81.7	11 700 *	50.3	84.6	13 100 *										44.0
46.0	23.0	69.0	9 100 *	34.1	76.4	10 300 *	39.4	79.4	11 100 *	47.0	82.8	12 400 *	53.6	84.8	12 000							46.0
48.0	15.4	63.3	8 700 *	29.3	73.2	9 700 *	35.3	76.8	10 500 *	43.5	80.8	11 800 *	50.4	83.3	11 400							48.0
50.0				23.7	69.2	9 300 *	30.7	73.7	9 900 *	39.7	78.6	11 100 *	47.0	81.5	10 800							50.0
52.0				16.4	63.7	8 900 *	25.3	69.9	9 400 *	35.6	76.0	10 600 *	43.5	79.5	10 200	50.2	81.5	8 900				52.0
54.0							18.6	64.9	9 000 *	31.0	72.9	10 100 *	39.7	77.3	9 700	46.9	79.7	8 400				54.0
56.0										25.7	69.2	9 600 *	35.6	74.7	9 100	43.4	77.8	7 900				56.0
58.0										19.1	64.4	9 100 *	31.1	71.7	8 700	39.6	75.5	7 500	46.5	77.5	6 400	58.0
60.0													25.8	68.0	8 200	35.5	72.9	7 100	42.9	75.5	6 100	60.0
62.0													19.3	63.2	7 800	30.9	69.8	6 700	39.1	73.2	5 700	62.0
64.0													9.0	55.2	7 400	25.6	66.1	6 400	34.9	70.5	5 400	64.0
66.0																18.9	61.2	6 100	30.2	67.4	5 100	66.0
68.0																			24.8	63.5	4 800	68.0
70.0																			17.9	58.4	4 600	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

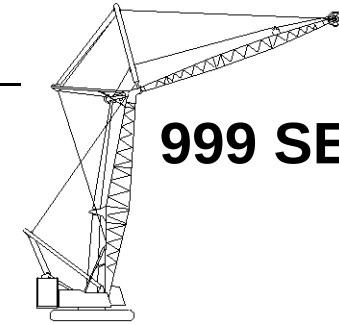
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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			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	74.7	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	13 800 *													34.0
36.0	48.9	87.9	10 500 *	55.2	90.8	12 100 *	58.7	92.0	13 000 *													36.0
38.0	45.7	86.0	9 900 *	52.3	89.3	11 400 *	55.9	90.8	12 300 *													38.0
40.0	42.3	84.0	9 300 *	49.2	87.7	10 700 *	53.0	89.3	11 600 *	58.9	91.1	12 900 *										40.0
42.0	38.6	81.6	8 700 *	46.0	85.9	10 100 *	50.0	87.7	11 000 *	56.1	89.9	12 300 *										42.0
44.0	34.7	78.9	8 200 *	42.7	83.8	9 500 *	46.9	86.0	10 300 *	53.2	88.5	11 700 *										44.0
46.0	30.3	75.8	7 700 *	39.1	81.5	8 900 *	43.6	84.0	9 700 *	50.2	86.9	11 000 *	56.2	88.6	11 700							46.0
48.0	25.3	72.0	7 300 *	35.2	78.9	8 400 *	40.0	81.7	9 100 *	47.1	85.1	10 400 *	53.3	87.1	11 000							48.0
50.0	19.1	67.1	6 900 *	30.9	75.8	7 900 *	36.2	79.2	8 600 *	43.8	83.2	9 800 *	50.3	85.6	10 500							50.0
52.0				25.9	72.1	7 400 *	32.1	76.3	8 100 *	40.3	80.9	9 200 *	47.2	83.8	10 000							52.0
54.0				19.9	67.4	7 000 *	27.3	72.7	7 600 *	36.5	78.4	8 700 *	43.9	81.9	9 400	50.2	83.8	8 200				54.0
56.0				11.1	60.2	6 700 *	21.6	68.3	7 200 *	32.4	75.5	8 200 *	40.4	79.6	8 900	47.0	82.0	7 700				56.0
58.0										27.7	72.0	7 700 *	36.6	77.1	8 500	43.7	80.1	7 300				58.0
60.0										22.1	67.7	7 300 *	32.5	74.2	8 000	40.2	77.9	6 900	46.6	79.8	5 800	60.0
62.0										14.6	61.7	6 900 *	27.8	70.8	7 600	36.4	75.3	6 500	43.3	77.8	5 500	62.0
64.0													22.2	66.5	7 200	32.3	72.4	6 200	39.7	75.5	5 200	64.0
66.0													14.8	60.5	6 900	27.5	68.9	5 900	35.9	73.0	4 900	66.0
68.0																21.9	64.6	5 600	31.7	70.0	4 600	68.0
70.0																14.4	58.5	5 300	26.9	66.4	4 400	70.0
72.0																			21.1	61.9	4 100	72.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

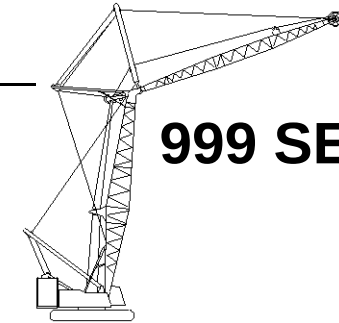
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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			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	75.6	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	11 800 *										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	11 200 *										42.0
44.0	39.3	84.0	7 300 *	46.2	88.2	8 500 *	50.0	90.0	9 300 *	55.7	92.2	10 500 *										44.0
46.0	35.7	81.4	6 800 *	43.1	86.2	8 000 *	47.0	88.3	8 700 *	53.0	90.8	9 900 *										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	9 300 *	55.8	90.9	10 400 *							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	8 800 *	53.0	89.5	9 900 *							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	8 200 *	50.2	87.9	9 300 *							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	7 700 *	47.3	86.1	8 800 *							54.0
56.0				22.6	70.7	5 600 *	29.0	75.5	6 200 *	37.3	80.8	7 200 *	44.2	84.2	8 200 *	50.1	86.1	7 500				56.0
58.0				15.8	64.9	5 100 *	24.0	71.5	5 700 *	33.5	78.0	6 700 *	40.9	82.0	7 700 *	47.1	84.4	7 100				58.0
60.0							17.8	66.2	5 300 *	29.3	74.7	6 300 *	37.4	79.5	7 300 *	44.0	82.4	6 700				60.0
62.0										24.4	70.8	5 800 *	33.6	76.7	6 800 *	40.8	80.2	6 300				62.0
64.0										18.3	65.7	5 300 *	29.4	73.5	6 300 *	37.3	77.7	6 000	43.6	80.1	5 000	64.0
66.0													24.5	69.5	5 900 *	33.4	74.9	5 700	40.3	77.9	4 700	66.0
68.0													18.5	64.5	5 300 *	29.2	71.6	5 400	36.8	75.4	4 400	68.0
70.0													9.2	56.3	4 900 *	24.2	67.6	5 100	32.9	72.5	4 200	70.0
72.0																18.1	62.5	4 800	28.6	69.1	3 900	72.0
76.0																			17.2	59.7	3 500	76.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

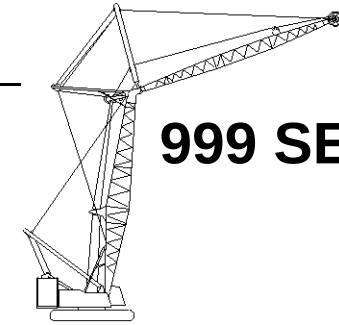
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

51.8m (170 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	58.3	72.4	40 500 *b																			15.2
16.0	55.8	71.9	39 800 *b																			16.0
18.0	49.1	70.3	38 000 *b																			18.0
20.0	41.5	68.4	34 100 *	57.4	71.8	40 500 *b																20.0
22.0	32.6	65.7	30 400 *	50.8	70.3	36 300 *b	59.6	71.8	36 100 b													22.0
24.0	20.5	61.7	25 700 *	43.5	68.5	32 800 *	53.1	70.4	33 100 b													24.0
26.0				35.0	66.0	29 800 *	46.1	68.7	30 600	60.8	71.0	27 800 b										26.0
28.0				24.1	62.5	27 200 *	38.0	66.5	28 400	54.5	69.7	25 700 b										28.0
30.0							28.2	63.5	26 600	47.5	68.1	24 000										30.0
32.0							12.8	58.1	24 900	39.8	66.0	22 500	55.4	68.5	20 200 b							32.0
34.0										30.4	63.1	21 100	48.6	66.9	18 900 b							34.0
36.0										17.0	58.6	19 700	41.0	64.9	17 800							36.0
38.0													31.9	62.2	16 600							38.0
40.0													19.5	58.0	15 400	41.6	63.3	13 800				40.0
42.0																32.7	60.7	12 900				42.0
44.0																20.7	56.7	12 100	41.5	61.1	10 700	44.0
46.0																			32.6	58.5	10 000	46.0
48.0																			20.6	54.5	9 400	48.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

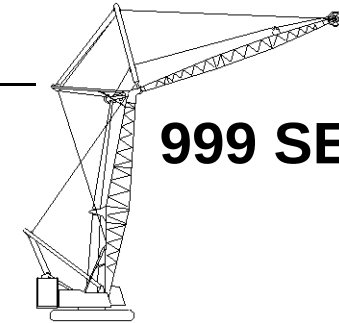
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	33 200 *	61.9	75.3	38 100 *b																20.0
22.0	42.5	70.7	30 200 *	56.4	74.1	36 000 *b	63.7	75.2	35 400 b													22.0
24.0	35.0	68.2	27 100 *	50.6	72.6	32 500 *	58.3	74.1	32 400 b													24.0
26.0	25.6	64.8	24 600 *	44.2	70.8	29 500 *	52.6	72.7	30 000													26.0
28.0				37.0	68.5	27 000 *	46.4	71.0	27 900	59.4	73.3	25 200 b										28.0
30.0				28.2	65.3	24 900 *	39.5	68.9	26 000	53.8	72.0	23 400										30.0
32.0				15.6	60.4	22 500 *	31.4	66.1	24 400	47.7	70.4	21 900										32.0
34.0							20.7	62.0	22 900	41.0	68.3	20 600	54.6	70.8	18 400							34.0
36.0										33.2	65.7	19 400	48.7	69.2	17 300							36.0
38.0										23.3	62.0	18 200	42.0	67.2	16 300							38.0
40.0													34.4	64.7	15 200	49.1	67.6	13 500				40.0
42.0													24.9	61.2	14 300	42.6	65.6	12 700				42.0
44.0													8.6	54.6	13 400	35.1	63.1	11 900				44.0
46.0																25.8	59.7	11 100	42.5	63.5	9 800	46.0
48.0																			35.0	61.0	9 200	48.0
50.0																			25.7	57.6	8 600	50.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

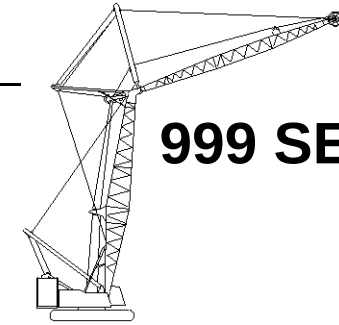
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	34 300 *b																20.0
22.0	49.0	74.9	28 700 *	60.6	77.7	32 800 *b																22.0
24.0	43.2	73.0	26 600 *	55.6	76.5	31 400 *	62.2	77.6	31 900 b													24.0
26.0	36.7	70.6	24 300 *	50.4	74.9	29 400 *	57.3	76.5	29 500													26.0
28.0	29.0	67.5	22 300 *	44.8	73.1	26 900 *	52.2	75.1	27 400													28.0
30.0	18.7	63.0	19 800 *	38.5	70.9	24 700 *	46.7	73.3	25 500	58.3	75.7	23 100										30.0
32.0				31.1	68.0	22 900 *	40.7	71.3	23 900	53.3	74.3	21 500										32.0
34.0				21.7	64.0	21 100 *	33.8	68.6	22 500	47.9	72.7	20 200										34.0
36.0							25.3	65.1	21 300	41.9	70.7	19 000	54.0	73.1	17 000							36.0
38.0							12.3	59.2	19 600	35.2	68.2	18 000	48.7	71.5	16 000							38.0
40.0										27.2	64.9	16 800	42.9	69.6	15 100							40.0
42.0										15.7	59.8	15 800	36.3	67.2	14 100	49.1	69.9	12 500				42.0
44.0													28.5	64.0	13 200	43.3	68.0	11 700				44.0
46.0													17.9	59.3	12 500	36.8	65.6	11 000				46.0
48.0																29.2	62.5	10 300	43.3	65.8	9 000	48.0
50.0																18.9	58.0	9 700	36.8	63.4	8 400	50.0
52.0																			29.1	60.3	8 000	52.0
54.0																			18.8	55.8	7 500	54.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

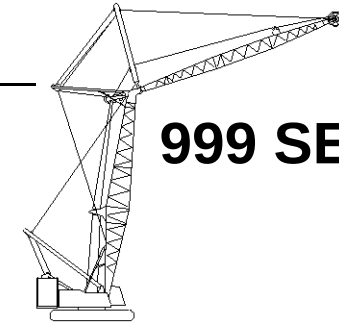
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	71.4	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	31 800 *b																20.0
22.0	53.8	78.8	26 600 *	63.8	81.1	30 400 *b																22.0
24.0	49.0	77.2	25 200 *	59.5	80.1	29 000 *	65.2	81.0	30 900 *													24.0
26.0	43.8	75.3	23 400 *	55.0	78.8	27 600 *	60.9	80.0	28 900													26.0
28.0	38.1	73.0	21 500 *	50.3	77.2	26 300 *	56.5	78.8	26 800													28.0
30.0	31.5	70.2	19 800 *	45.2	75.4	24 500 *	51.9	77.4	25 000													30.0
32.0	23.4	66.3	18 300 *	39.6	73.2	22 600 *	47.0	75.6	23 400	57.4	78.0	21 000										32.0
34.0				33.3	70.5	20 900 *	41.6	73.6	22 000	52.9	76.6	19 700										34.0
36.0				25.6	67.0	19 400 *	35.5	71.1	20 700	48.0	75.0	18 500										36.0
38.0				14.7	61.5	17 800 *	28.4	67.9	19 600	42.7	73.0	17 500	53.5	75.4	15 600							38.0
40.0							19.1	63.3	18 400 *	36.8	70.6	16 600	48.7	73.8	14 700							40.0
42.0										30.0	67.6	15 600	43.5	71.9	13 800							42.0
44.0										21.3	63.4	14 600	37.7	69.6	13 000	49.1	72.2	11 400				44.0
46.0													31.1	66.6	12 200	43.9	70.3	10 700				46.0
48.0													22.7	62.7	11 500	38.2	68.0	10 100				48.0
50.0													8.9	55.7	10 900	31.6	65.1	9 500	43.9	68.1	8 100	50.0
52.0																23.5	61.3	9 000	38.1	65.8	7 700	52.0
54.0																			31.6	62.9	7 300	54.0
56.0																			23.4	59.1	6 800	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

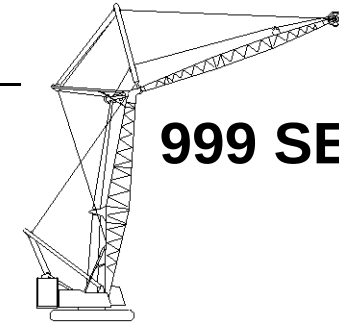
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	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	25 400 *																22.0
24.0	53.4	81.1	22 500 *	62.5	83.5	25 000 *																24.0
26.0	49.0	79.5	21 500 *	58.6	82.4	24 300 *	63.8	83.5	25 100 *													26.0
28.0	44.3	77.7	20 500 *	54.5	81.1	23 200 *	59.9	82.4	24 700 *													28.0
30.0	39.2	75.4	18 900 *	50.2	79.5	22 200 *	55.9	81.1	23 600 *													30.0
32.0	33.4	72.7	17 600 *	45.5	77.7	21 300 *	51.7	79.7	22 600 *	60.7	81.6	21 000										32.0
34.0	26.6	69.2	16 400 *	40.5	75.6	20 400 *	47.1	77.9	21 700 *	56.7	80.4	19 800										34.0
36.0	17.5	64.3	15 400 *	35.0	73.0	19 700 *	42.3	75.9	20 700	52.5	78.9	18 600										36.0
38.0				28.4	69.8	18 500 *	36.9	73.5	19 600	48.1	77.3	17 500										38.0
40.0				20.1	65.3	17 200 *	30.8	70.5	18 600	43.3	75.3	16 600	53.1	77.7	14 700							40.0
42.0							23.3	66.6	17 600	38.0	73.0	15 700	48.7	76.1	14 000							42.0
44.0							11.9	60.3	16 100	32.1	70.1	14 800	44.0	74.2	13 200							44.0
46.0										24.9	66.5	14 000	38.9	71.9	12 400	49.1	74.5	10 900				46.0
48.0										14.9	60.9	13 200	33.0	69.2	11 700	44.4	72.6	10 300				48.0
50.0													26.1	65.7	11 100	39.3	70.4	9 700				50.0
52.0													16.7	60.6	10 500	33.5	67.6	9 200	44.4	70.4	7 900	52.0
54.0																26.7	64.2	8 600	39.2	68.2	7 400	54.0
56.0																17.6	59.3	8 200	33.5	65.5	7 000	56.0
58.0																			26.6	62.0	6 600	58.0
60.0																			17.5	57.1	6 300	60.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

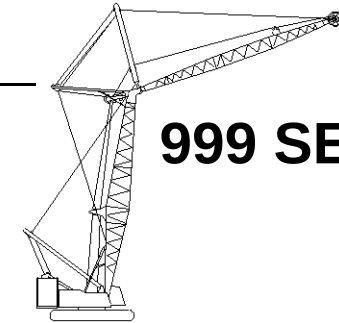
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	23 300 *																24.0
26.0	53.1	83.5	19 900 *	61.5	85.9	22 400 *	66.1	86.8	23 300 *													26.0
28.0	49.0	81.8	18 900 *	57.8	84.8	21 400 *	62.7	85.9	22 700 *													28.0
30.0	44.7	80.0	18 100 *	54.0	83.4	20 400 *	59.1	84.7	21 800 *													30.0
32.0	40.1	77.8	17 000 *	50.1	81.8	19 500 *	55.3	83.5	20 900 *													32.0
34.0	34.9	75.2	15 800 *	45.8	80.0	18 600 *	51.4	82.0	19 900 *	59.8	83.9	19 300										34.0
36.0	29.0	72.0	14 800 *	41.3	77.9	17 800 *	47.3	80.3	19 100 *	56.1	82.7	18 200										36.0
38.0	21.7	67.7	13 900 *	36.3	75.5	17 100 *	42.9	78.3	18 200 *	52.2	81.2	17 100										38.0
40.0				30.6	72.4	16 400 *	38.0	75.9	17 500 *	48.2	79.6	16 200	56.6	81.5	14 400							40.0
42.0				23.7	68.5	15 700 *	32.6	73.1	16 800 *	43.8	77.6	15 300	52.8	80.1	13 500							42.0
44.0				14.1	62.7	14 500 *	26.3	69.5	16 200 *	39.1	75.4	14 500	48.8	78.4	12 800							44.0
46.0							17.9	64.6	15 000 *	33.8	72.7	13 800	44.5	76.5	12 200							46.0
48.0										27.6	69.3	13 000	39.8	74.3	11 500	49.1	76.8	10 000				48.0
50.0										19.9	64.8	12 300	34.6	71.7	10 800	44.8	74.9	9 400				50.0
52.0													28.6	68.4	10 200	40.2	72.7	8 900				52.0
54.0													21.2	64.1	9 700	35.0	70.1	8 400	44.8	72.7	7 200	54.0
56.0													9.2	56.7	9 200	29.1	66.9	8 000	40.1	70.6	6 700	56.0
58.0																21.8	62.7	7 600	35.0	68.0	6 400	58.0
60.0																			29.1	64.8	6 000	60.0
62.0																			21.7	60.5	5 700	62.0
64.0																			10.4	53.6	5 400	64.0



999 SERIES 3

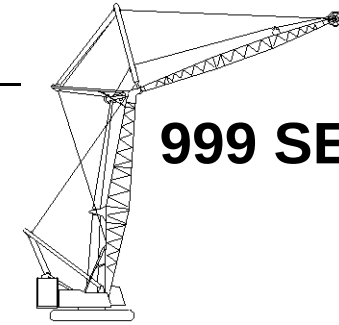
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	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	75.8	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	19 800 *	64.9	89.3	20 900 *													28.0
30.0	49.0	84.1	16 700 *	57.2	87.1	18 900 *	61.7	88.2	20 000 *													30.0
32.0	45.1	82.3	16 000 *	53.7	85.7	18 000 *	58.3	87.1	19 200 *													32.0
34.0	40.8	80.1	15 200 *	50.0	84.2	17 200 *	54.9	85.8	18 400 *													34.0
36.0	36.2	77.6	14 300 *	46.1	82.4	16 500 *	51.2	84.3	17 600 *	59.0	86.3	17 800										36.0
38.0	30.9	74.6	13 400 *	41.9	80.3	15 700 *	47.4	82.6	16 800 *	55.6	85.0	16 800										38.0
40.0	24.8	70.8	12 600 *	37.4	77.9	15 000 *	43.4	80.6	16 100 *	52.0	83.6	15 800										40.0
42.0	16.6	65.5	12 000 *	32.3	75.0	14 400 *	39.0	78.3	15 400 *	48.2	81.9	15 000	56.1	83.8	13 300							42.0
44.0				26.4	71.4	13 800 *	34.1	75.6	14 700 *	44.2	80.0	14 200	52.5	82.4	12 500							44.0
46.0				18.9	66.7	13 300 *	28.6	72.3	14 200 *	39.9	77.7	13 600	48.8	80.7	11 900							46.0
48.0							21.8	68.1	13 600 *	35.1	75.1	12 800	44.8	78.8	11 300							48.0
50.0							11.7	61.4	12 800 *	29.7	72.0	12 100	40.5	76.7	10 700	49.1	79.1	9 200				50.0
52.0										23.3	68.0	11 500	35.9	74.1	10 100	45.1	77.2	8 700				52.0
54.0										14.3	62.1	10 900	30.6	71.1	9 500	40.9	75.1	8 200				54.0
56.0													24.3	67.2	9 000	36.2	72.6	7 800	45.1	75.1	6 600	56.0
58.0													15.9	61.8	8 600	31.0	69.6	7 400	40.8	72.9	6 200	58.0
60.0																24.8	65.8	7 000	36.2	70.4	5 800	60.0
62.0																16.7	60.5	6 600	31.0	67.4	5 500	62.0
64.0																			24.8	63.6	5 200	64.0
66.0																			16.6	58.3	5 000	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

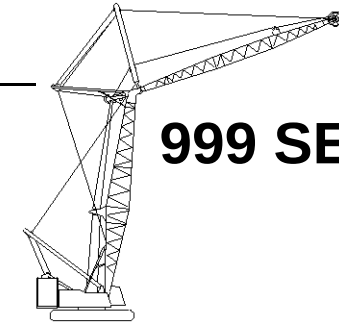
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	19 000 *													28.0
30.0	52.5	88.1	15 200 *	59.8	90.7	17 300 *	63.9	91.7	18 300 *													30.0
32.0	49.0	86.4	14 500 *	56.6	89.4	16 500 *	60.8	90.6	17 600 *													32.0
34.0	45.4	84.6	13 700 *	53.3	88.0	15 600 *	57.7	89.4	16 800 *													34.0
36.0	41.5	82.5	13 100 *	49.9	86.5	14 900 *	54.5	88.1	16 000 *	61.4	89.8	17 300										36.0
38.0	37.2	80.0	12 500 *	46.3	84.7	14 200 *	51.1	86.6	15 200 *	58.3	88.7	16 400										38.0
40.0	32.5	77.2	11 900 *	42.5	82.6	13 500 *	47.5	84.9	14 500 *	55.1	87.3	15 500										40.0
42.0	27.1	73.7	11 300 *	38.3	80.3	12 800 *	43.8	82.9	13 800 *	51.8	85.9	14 600										42.0
44.0	20.5	69.1	10 800 *	33.7	77.5	12 200 *	39.8	80.7	13 200 *	48.3	84.2	13 900	55.6	86.1	12 200							44.0
46.0				28.6	74.2	11 700 *	35.4	78.1	12 500 *	44.6	82.3	13 100	52.3	84.7	11 500							46.0
48.0				22.3	70.0	11 100 *	30.4	75.0	11 900 *	40.6	80.1	12 500	48.8	83.0	10 900							48.0
50.0				13.6	63.8	10 700 *	24.6	71.1	11 400 *	36.3	77.6	11 900	45.1	81.2	10 400							50.0
52.0							17.0	65.9	10 900 *	31.5	74.6	11 300	41.2	79.0	9 800	49.1	81.4	8 500				52.0
54.0										25.8	70.9	10 700	36.9	76.6	9 300	45.4	79.5	8 000				54.0
56.0										18.8	66.1	10 100	32.2	73.7	8 800	41.5	77.4	7 500				56.0
58.0													26.7	70.1	8 400	37.3	75.0	7 100	45.4	77.4	5 900	58.0
60.0													20.0	65.5	8 000	32.6	72.1	6 700	41.5	75.2	5 600	60.0
62.0													9.3	57.8	7 500	27.2	68.6	6 400	37.2	72.8	5 300	62.0
64.0																20.6	64.1	6 000	32.5	69.9	5 000	64.0
66.0																			27.1	66.5	4 700	66.0
68.0																			20.5	61.9	4 500	68.0
70.0																			10.4	54.7	4 200	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

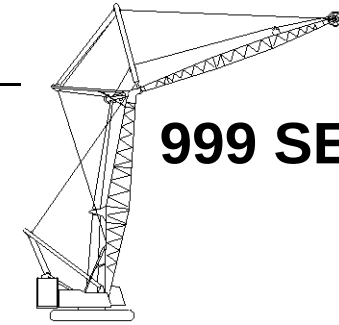
51.8m (170 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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	16 800 *													30.0
32.0	52.3	90.4	13 200 *	59.1	93.0	15 100 *	62.9	94.1	16 100 *													32.0
34.0	49.0	88.7	12 500 *	56.1	91.8	14 300 *	60.1	93.0	15 300 *													34.0
36.0	45.6	86.9	11 800 *	53.1	90.3	13 600 *	57.1	91.8	14 600 *													36.0
38.0	42.0	84.8	11 200 *	49.8	88.8	12 900 *	54.1	90.4	13 900 *	60.7	92.2	15 200 *										38.0
40.0	38.1	82.4	10 600 *	46.5	87.0	12 200 *	51.0	88.9	13 200 *	57.7	91.0	14 600 *										40.0
42.0	33.8	79.7	10 100 *	42.9	84.9	11 600 *	47.6	87.2	12 500 *	54.7	89.7	14 000 *										42.0
44.0	29.0	76.4	9 600 *	39.1	82.6	11 000 *	44.2	85.2	11 900 *	51.6	88.2	13 400 *										44.0
46.0	23.3	72.3	9 100 *	34.9	80.0	10 400 *	40.4	83.0	11 300 *	48.3	86.5	12 700 *	55.2	88.4	11 300							46.0
48.0	15.8	66.7	8 700 *	30.3	76.9	9 900 *	36.4	80.5	10 700 *	44.9	84.6	12 100 *	52.1	87.0	10 700							48.0
50.0				24.9	73.0	9 400 *	31.9	77.5	10 100 *	41.2	82.4	11 400 *	48.8	85.3	10 200							50.0
52.0				18.0	67.9	8 900 *	26.8	74.0	9 600 *	37.2	80.0	10 900 *	45.4	83.5	9 700	52.3	85.3	8 300				52.0
54.0							20.6	69.4	9 200 *	32.9	77.1	10 300 *	41.8	81.4	9 200	49.1	83.7	7 900				54.0
56.0							11.5	62.5	8 800 *	27.9	73.7	9 800 *	37.8	79.0	8 800	45.7	81.8	7 500				56.0
58.0										22.0	69.4	9 300 *	33.5	76.2	8 300	42.0	79.7	7 100				58.0
60.0										13.8	63.2	8 900 *	28.7	72.9	7 900	38.1	77.4	6 600	45.6	79.7	5 500	60.0
62.0													22.9	68.7	7 500	33.9	74.6	6 300	42.0	77.6	5 200	62.0
64.0													15.3	62.9	7 100	29.1	71.4	6 000	38.1	75.2	4 900	64.0
66.0																23.4	67.3	5 700	33.8	72.5	4 600	66.0
68.0																16.0	61.7	5 400	29.0	69.2	4 400	68.0
70.0																			23.4	65.1	4 100	70.0
72.0																			15.9	59.5	3 900	72.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

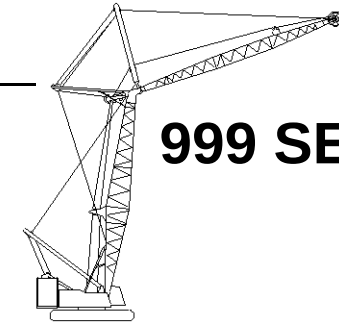
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

51.8m (170 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	74.8	101.3	17 800 *																			16.8
18.0	73.3	100.9	17 300 *																			18.0
20.0	70.9	100.3	16 400 *																			20.0
22.0	68.4	99.6	15 600 *																			22.0
24.0	65.8	98.7	14 800 *																			24.0
26.0	63.2	97.8	14 100 *	69.0	99.3	15 900 *																26.0
28.0	60.5	96.7	13 300 *	66.5	98.5	15 200 *																28.0
30.0	57.8	95.5	12 600 *	63.9	97.6	14 400 *																30.0
32.0	55.0	94.2	11 900 *	61.2	96.5	13 700 *	64.8	97.5	14 600 *													32.0
34.0	52.1	92.7	11 200 *	58.5	95.4	12 900 *	62.1	96.5	13 900 *													34.0
36.0	49.0	91.0	10 500 *	55.7	94.1	12 200 *	59.4	95.4	13 200 *													36.0
38.0	45.8	89.2	9 900 *	52.8	92.7	11 500 *	56.7	94.1	12 500 *													38.0
40.0	42.5	87.1	9 300 *	49.8	91.1	10 900 *	53.8	92.7	11 800 *	60.0	94.6	13 100 *										40.0
42.0	38.8	84.8	8 800 *	46.6	89.3	10 200 *	50.8	91.2	11 100 *	57.2	93.3	12 500 *										42.0
44.0	34.9	82.1	8 300 *	43.3	87.3	9 600 *	47.7	89.5	10 500 *	54.4	92.0	11 900 *										44.0
46.0	30.6	79.0	7 800 *	39.8	85.0	9 100 *	44.5	87.5	9 900 *	51.4	90.5	11 300 *	57.6	92.1	11 000							46.0
48.0	25.6	75.3	7 400 *	35.9	82.4	8 500 *	41.0	85.4	9 300 *	48.4	88.8	10 700 *	54.8	90.8	10 400							48.0
50.0	19.5	70.5	7 000 *	31.7	79.5	8 000 *	37.3	82.9	8 800 *	45.1	86.9	10 100 *	51.9	89.3	9 900							50.0
52.0				26.9	75.9	7 600 *	33.2	80.1	8 200 *	41.7	84.8	9 500 *	48.8	87.6	9 400							52.0
54.0				21.2	71.4	7 200 *	28.6	76.7	7 800 *	38.1	82.4	8 900 *	45.6	85.8	8 900							54.0
56.0				13.2	64.9	6 800 *	23.3	72.6	7 300 *	34.1	79.6	8 400 *	42.2	83.7	8 500	49.1	86.0	7 200				56.0
58.0							16.3	67.1	7 000 *	29.6	76.4	8 000 *	38.6	81.3	8 100	45.9	84.1	6 800				58.0
60.0										24.4	72.5	7 500 *	34.7	78.7	7 600	42.5	82.1	6 400				60.0
62.0										17.9	67.3	7 100 *	30.3	75.5	7 200	38.9	79.8	6 100	45.8	82.0	4 900	62.0
64.0										7.0	58.3	6 800 *	25.2	71.7	6 900	35.0	77.1	5 800	42.5	79.9	4 700	64.0
66.0													19.0	66.8	6 500	30.6	74.0	5 400	38.9	77.6	4 400	66.0
68.0													9.4	58.9	6 300	25.7	70.3	5 100	34.9	74.9	4 100	68.0
70.0																19.6	65.5	4 900	30.6	71.8	3 900	70.0
72.0																			25.6	68.1	3 700	72.0
76.0																			10.4	55.8	3 300	76.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

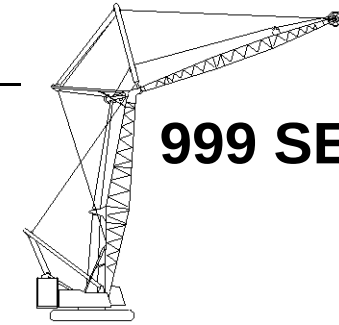
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

51.8m (170 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	75.8	104.4	16 100 *																			16.8
18.0	74.3	104.1	15 900 *																			18.0
20.0	72.0	103.5	15 200 *																			20.0
22.0	69.7	102.8	14 400 *																			22.0
24.0	67.3	102.0	13 700 *																			24.0
26.0	64.9	101.1	12 900 *	70.3	102.6	14 600 *																26.0
28.0	62.4	100.2	12 200 *	67.9	101.8	13 900 *																28.0
30.0	59.9	99.1	11 500 *	65.5	101.0	13 200 *																30.0
32.0	57.3	97.8	10 800 *	63.1	100.0	12 500 *	66.3	100.8	13 300 *													32.0
34.0	54.6	96.5	10 100 *	60.5	98.9	11 800 *	63.9	99.9	12 700 *													34.0
36.0	51.9	95.0	9 500 *	58.0	97.7	11 100 *	61.4	98.9	12 000 *													36.0
38.0	49.0	93.3	9 000 *	55.3	96.4	10 500 *	58.9	97.7	11 400 *													38.0
40.0	46.0	91.5	8 400 *	52.6	95.0	9 900 *	56.2	96.4	10 700 *	61.9	98.0	11 900 *										40.0
42.0	42.9	89.5	7 800 *	49.7	93.4	9 200 *	53.5	95.0	10 100 *	59.4	96.9	11 400 *										42.0
44.0	39.5	87.2	7 300 *	46.8	91.6	8 700 *	50.7	93.5	9 500 *	56.8	95.7	10 800 *										44.0
46.0	35.9	84.6	6 900 *	43.7	89.6	8 100 *	47.8	91.8	8 900 *	54.1	94.3	10 200 *										46.0
48.0	31.9	81.6	6 400 *	40.4	87.4	7 600 *	44.7	89.8	8 300 *	51.3	92.8	9 600 *										48.0
50.0	27.4	78.1	6 000 *	36.8	84.9	7 100 *	41.5	87.7	7 800 *	48.4	91.1	9 100 *	54.5	93.1	9 600							50.0
52.0	22.2	73.8	5 500 *	33.0	82.0	6 600 *	38.1	85.3	7 300 *	45.4	89.2	8 500 *	51.7	91.6	9 100							52.0
54.0	15.3	67.9	5 100 *	28.6	78.6	6 200 *	34.3	82.6	6 800 *	42.2	87.1	8 000 *	48.8	89.9	8 700							54.0
56.0				23.6	74.6	5 700 *	30.2	79.4	6 400 *	38.8	84.8	7 500 *	45.8	88.1	8 200							56.0
58.0				17.3	69.2	5 200 *	25.4	75.6	5 900 *	35.1	82.1	7 000 *	42.7	86.0	7 800	49.1	88.3	6 600				58.0
60.0							19.6	70.8	5 400 *	31.0	79.0	6 500 *	39.3	83.7	7 500	46.1	86.4	6 200				60.0
62.0							11.3	63.6	4 900 *	26.4	75.4	6 100 *	35.6	81.1	7 100	42.9	84.4	5 900				62.0
64.0										20.9	70.8	5 500 *	31.6	78.1	6 600 *	39.5	82.1	5 600	46.0	84.3	4 400	64.0
66.0										13.4	64.4	5 100 *	27.1	74.6	6 200 *	35.9	79.5	5 200	42.9	82.2	4 200	66.0
68.0													21.8	70.2	5 600 *	32.0	76.6	5 000	39.5	80.0	3 900	68.0
70.0													14.7	64.1	5 100 *	27.5	73.1	4 700	35.9	77.4	3 700	70.0
72.0																22.3	68.8	4 400	31.9	74.4	3 500	72.0
76.0																			22.2	66.6	3 100	76.0



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Liftcrane Luffing Jib Capacities

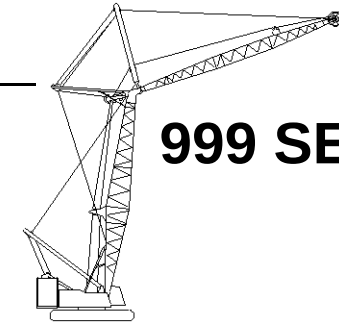
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	58.6	75.5	39 700 *b																			15.2
16.0	56.2	75.0	39 100 *b																			16.0
18.0	49.4	73.5	36 600 *b																			18.0
20.0	41.9	71.5	32 800 *	58.6	75.0	38 900 *b																20.0
22.0	33.1	68.9	29 100 *	52.1	73.7	34 700 *b																22.0
24.0	21.3	65.0	25 600 *	44.9	71.9	31 300 *	54.9	73.8	32 200 b													24.0
26.0				36.7	69.6	28 500 *	48.0	72.2	29 700 b													26.0
28.0				26.4	66.3	26 000 *	40.3	70.2	27 600	57.0	73.2	24 800 b										28.0
30.0							31.1	67.4	25 800	50.4	71.7	23 100 b										30.0
32.0							18.2	63.0	24 100	43.0	69.8	21 600										32.0
34.0										34.4	67.3	20 300	52.2	70.6	18 100 b							34.0
36.0										23.2	63.7	19 200	45.1	68.9	16 900							36.0
38.0													36.9	66.6	16 000							38.0
40.0													26.7	63.4	15 000							40.0
42.0																46.6	67.4	13 200				42.0
44.0																38.6	65.2	12 300				44.0
46.0																29.0	62.2	11 500				46.0
48.0																			39.6	63.2	9 400	48.0
50.0																			30.1	60.3	8 800	50.0
																			16.6	55.7	8 300	



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Liftcrane Luffing Jib Capacities

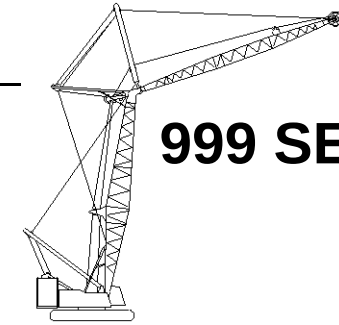
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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.	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	62.9	79.0	36 700 *b																			15.2
16.0	60.9	78.6	36 300 *b																			16.0
18.0	55.3	77.3	34 400 *																			18.0
20.0	49.4	75.8	31 600 *	62.9	78.5	37 700 *b																20.0
22.0	42.9	73.9	28 900 *	57.5	77.4	34 500 *b																22.0
24.0	35.4	71.4	26 000 *	51.7	76.0	31 000 *	59.8	77.4	31 600 b													24.0
26.0	26.2	68.0	23 600 *	45.4	74.2	28 200 *	54.2	76.1	29 100													26.0
28.0				38.4	72.0	25 800 *	48.1	74.5	27 100													28.0
30.0				30.0	69.0	23 700 *	41.5	72.5	25 300	56.1	75.5	22 600										30.0
32.0				18.6	64.6	22 000 *	33.8	69.9	23 700	50.2	74.0	21 100										32.0
34.0							24.0	66.3	22 200 *	43.8	72.1	19 800										34.0
36.0										36.5	69.8	18 700	51.8	73.0	16 500							36.0
38.0										27.6	66.6	17 600	45.6	71.2	15 500							38.0
40.0													38.6	69.0	14 700							40.0
42.0													30.2	66.1	13 800	46.9	69.7	12 000				42.0
44.0													18.9	61.7	12 900	40.0	67.6	11 300				44.0
46.0																32.0	64.8	10 600				46.0
48.0																21.6	60.9	10 000	40.8	65.6	8 500	48.0
50.0																			33.0	62.9	8 000	50.0
52.0																			23.0	59.1	7 500	52.0



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Liftcrane Luffing Jib Capacities

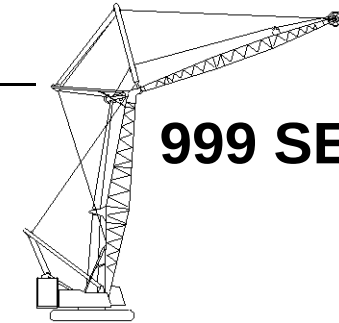
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	
15.2	66.1	82.3	33 600 *b																			15.2
16.0	64.3	82.0	33 000 *b																			16.0
18.0	59.6	80.9	31 500 *																			18.0
20.0	54.6	79.6	30 000 *	66.1	81.9	34 200 *b																20.0
22.0	49.3	78.1	27 700 *	61.5	80.9	32 800 *b																22.0
24.0	43.6	76.2	25 500 *	56.6	79.7	30 800 *	63.4	80.9	31 100 b													24.0
26.0	37.1	73.8	23 400 *	51.4	78.3	28 000 *	58.6	79.8	28 700													26.0
28.0	29.5	70.8	21 400 *	45.8	76.5	25 600 *	53.6	78.5	26 700													28.0
30.0	19.4	66.4	19 600 *	39.7	74.4	23 500 *	48.2	76.8	24 800	60.2	79.1	22 200										30.0
32.0				32.6	71.6	21 800 *	42.3	74.9	23 300	55.3	77.8	20 700										32.0
34.0				23.7	67.9	20 200 *	35.7	72.4	21 900	50.1	76.3	19 400										34.0
36.0							27.8	69.2	20 600 *	44.4	74.5	18 300										36.0
38.0							16.7	64.3	19 200 *	38.0	72.2	17 300	51.5	75.3	15 200							38.0
40.0										30.6	69.2	16 300	46.0	73.5	14 400							40.0
42.0										21.0	65.1	15 500	39.8	71.4	13 600							42.0
44.0													32.8	68.6	12 800	47.1	72.0	11 100				44.0
46.0													24.0	64.9	12 000	41.1	69.9	10 400				46.0
48.0																34.3	67.3	9 800				48.0
50.0																25.9	63.9	9 200				50.0
52.0																			41.8	67.9	7 800	52.0
54.0																			35.1	65.4	7 400	54.0
56.0																			27.0	62.1	6 900	56.0
																			15.4	56.9	6 500	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

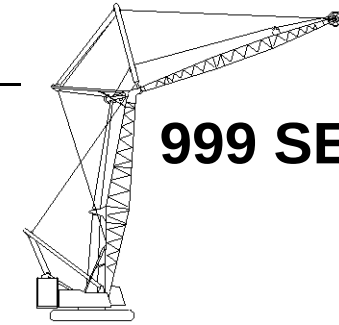
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	71.7	86.2	31 200 *b																			13.7
14.0	71.1	86.1	31 100 *b																			14.0
16.0	67.1	85.3	30 700 *b																			16.0
18.0	62.9	84.4	29 300 *																			18.0
20.0	58.6	83.3	27 900 *	68.6	85.2	31 400 *b																20.0
22.0	54.1	82.0	26 300 *	64.5	84.3	30 400 *b																22.0
24.0	49.3	80.4	24 400 *	60.3	83.3	29 000 *																24.0
26.0	44.1	78.5	22 500 *	55.9	82.1	27 700 *	62.1	83.3	28 100													26.0
28.0	38.4	76.2	20 800 *	51.2	80.6	25 300 *	57.7	82.1	26 100													28.0
30.0	31.9	73.4	19 300 *	46.2	78.8	23 300 *	53.2	80.8	24 300													30.0
32.0	23.9	69.6	17 900 *	40.7	76.7	21 500 *	48.3	79.1	22 800	59.2	81.5	20 300										32.0
34.0				34.5	74.1	19 900 *	43.0	77.2	21 400	54.7	80.2	19 000										34.0
36.0				27.2	70.8	18 600 *	37.2	74.8	20 100	49.9	78.6	17 800										36.0
38.0				17.2	65.9	17 300 *	30.5	71.8	18 900	44.8	76.8	16 800										38.0
40.0							21.9	67.8	17 700 *	39.2	74.5	15 900	51.3	77.6	13 900							40.0
42.0										32.8	71.8	15 100	46.3	75.8	13 200							42.0
44.0										25.0	68.2	14 300	40.8	73.7	12 400							44.0
46.0													34.7	71.1	11 800	47.3	74.3	10 200				46.0
48.0													27.4	67.8	11 100	42.0	72.3	9 500				48.0
50.0													17.5	63.0	10 500	36.0	69.8	9 000				50.0
52.0																29.0	66.7	8 500	42.6	70.2	7 100	52.0
54.0																19.9	62.2	8 000	36.7	67.8	6 700	54.0
56.0																			29.8	64.8	6 300	56.0
58.0																			21.0	60.6	5 900	58.0



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Liftcrane Luffing Jib Capacities

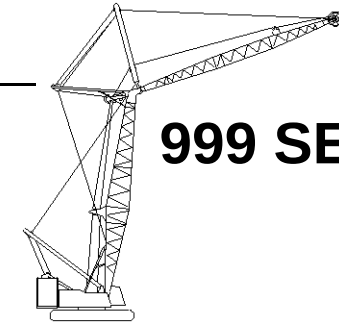
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	73.4	89.4	25 500 *b																			13.7
14.0	72.9	89.3	25 400 *b																			14.0
16.0	69.3	88.6	24 800 *b																			16.0
18.0	65.6	87.8	24 200 *																			18.0
20.0	61.7	86.8	23 600 *	70.7	88.5	25 400 *b																20.0
22.0	57.8	85.6	23 100 *	67.0	87.7	25 000 *b																22.0
24.0	53.6	84.3	22 400 *	63.2	86.8	24 600 *																24.0
26.0	49.3	82.7	21 200 *	59.3	85.7	24 200 *	64.8	86.7	24 700 *													26.0
28.0	44.6	80.8	19 700 *	55.3	84.4	23 300 *	61.0	85.7	24 400 *													28.0
30.0	39.5	78.6	18 400 *	51.0	82.9	22 300 *	57.0	84.5	23 800 *													30.0
32.0	33.8	75.9	17 100 *	46.4	81.1	21 400 *	52.8	83.1	22 800 *	62.2	84.9	20 300										32.0
34.0	27.0	72.5	16 000 *	41.5	79.0	20 300 *	48.4	81.4	21 400	58.3	83.8	19 000										34.0
36.0	18.1	67.7	15 100 *	36.0	76.6	18 900 *	43.6	79.5	20 100	54.2	82.5	17 900										36.0
38.0				29.7	73.5	17 600 *	38.4	77.2	19 100	49.9	80.9	16 900										38.0
40.0				21.9	69.3	16 500 *	32.5	74.4	18 000	45.2	79.1	16 000	55.3	81.4	14 000							40.0
42.0							25.5	70.8	17 000 *	40.2	76.9	15 100	51.1	79.9	13 200							42.0
44.0							15.7	65.5	16 000 *	34.6	74.3	14 400	46.5	78.1	12 500							44.0
46.0										28.0	71.0	13 600	41.6	76.0	11 900	51.9	78.3	10 300				46.0
48.0										19.5	66.4	12 900	36.2	73.6	11 300	47.5	76.6	9 700				48.0
50.0													29.9	70.5	10 600	42.6	74.6	9 200				50.0
52.0													22.1	66.4	10 100	37.3	72.2	8 700	43.2	72.6	6 900	52.0
54.0																31.2	69.3	8 200	37.9	70.2	6 500	54.0
56.0																23.8	65.4	7 700	31.9	67.4	6 100	56.0
58.0																			24.7	63.7	5 800	58.0
60.0																			14.6	58.1	5 500	60.0
62.0																						62.0



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Liftcrane Luffing Jib Capacities

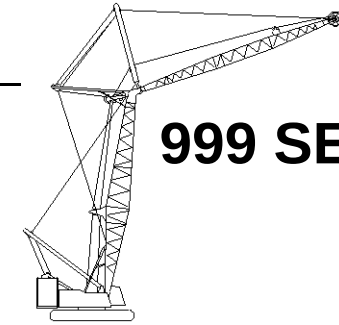
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	
13.7	74.8	92.6	23 900 *b																			13.7
14.0	74.3	92.5	23 800 *b																			14.0
16.0	71.1	91.9	23 300 *b																			16.0
18.0	67.7	91.1	22 800 *																			18.0
20.0	64.3	90.2	22 300 *																			20.0
22.0	60.7	89.2	21 700 *	69.0	91.0	23 400 *																22.0
24.0	57.1	88.0	20 800 *	65.6	90.1	23 000 *																24.0
26.0	53.3	86.6	19 800 *	62.1	89.2	22 500 *	67.0	90.0	22 900 *													26.0
28.0	49.2	85.0	18 900 *	58.5	88.0	21 500 *	63.6	89.1	22 600 *													28.0
30.0	45.0	83.1	17 600 *	54.8	86.7	20 600 *	60.0	88.1	21 900 *													30.0
32.0	40.3	80.9	16 500 *	50.8	85.2	19 600 *	56.3	86.8	21 000 *													32.0
34.0	35.2	78.4	15 400 *	46.6	83.4	18 800 *	52.5	85.4	20 200 *	61.2	87.3	18 600										34.0
36.0	29.4	75.2	14 400 *	42.2	81.4	18 000 *	48.4	83.7	19 300 *	57.6	86.1	17 500										36.0
38.0	22.2	71.1	13 600 *	37.3	79.0	17 200 *	44.1	81.8	18 500 *	53.8	84.8	16 500										38.0
40.0				31.7	76.1	16 300 *	39.4	79.6	17 700	49.8	83.2	15 600										40.0
42.0				25.1	72.4	15 300 *	34.1	76.9	16 700	45.5	81.4	14 700	54.8	83.7	12 800							42.0
44.0				16.3	67.1	14 400 *	28.1	73.6	15 700 *	41.0	79.3	14 000	50.9	82.2	12 200							44.0
46.0							20.4	69.1	14 900 *	35.9	76.7	13 300	46.7	80.4	11 500							46.0
48.0										30.2	73.7	12 600	42.3	78.4	10 900							48.0
50.0										23.2	69.7	12 000	37.4	76.0	10 400	47.6	78.9	8 900				50.0
52.0													31.9	73.1	9 800	43.2	76.9	8 400				52.0
54.0													25.3	69.4	9 300	38.4	74.6	7 900				54.0
56.0													16.5	64.2	8 800	33.0	71.8	7 500	43.7	74.9	6 200	56.0
58.0																26.7	68.3	7 100	38.9	72.6	5 800	58.0
60.0																18.6	63.6	6 700	33.6	69.9	5 500	60.0
62.0																			27.5	66.5	5 200	62.0
64.0																			19.6	61.9	4 900	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

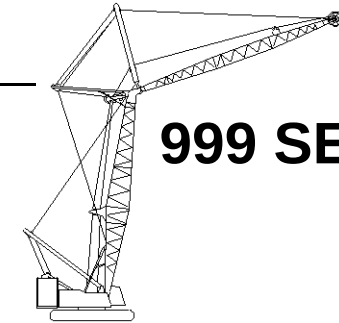
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	76.0	95.7	22 400 *b																			13.7
14.0	75.6	95.6	22 300 *b																			14.0
16.0	72.6	95.1	21 900 *b																			16.0
18.0	69.5	94.4	21 400 *																			18.0
20.0	66.4	93.6	20 900 *																			20.0
22.0	63.2	92.6	20 000 *																			22.0
24.0	59.9	91.5	19 200 *	67.6	93.5	21 400 *																24.0
26.0	56.5	90.3	18 300 *	64.4	92.6	20 600 *																26.0
28.0	52.9	88.9	17 500 *	61.2	91.5	19 800 *	65.8	92.5	20 900 *													28.0
30.0	49.2	87.3	16 700 *	57.8	90.4	19 000 *	62.5	91.5	20 100 *													30.0
32.0	45.3	85.4	15 800 *	54.3	89.0	18 100 *	59.2	90.4	19 400 *													32.0
34.0	41.1	83.3	14 800 *	50.7	87.5	17 400 *	55.8	89.1	18 500 *													34.0
36.0	36.4	80.8	13 900 *	46.8	85.7	16 600 *	52.2	87.7	17 800 *	60.3	89.7	17 200										36.0
38.0	31.2	77.8	13 100 *	42.7	83.7	15 900 *	48.5	86.0	17 000 *	56.9	88.5	16 100										38.0
40.0	25.1	74.1	12 300 *	38.3	81.4	15 200 *	44.5	84.1	16 300 *	53.4	87.1	15 300										40.0
42.0	17.1	68.9	11 700 *	33.3	78.6	14 600 *	40.2	81.9	15 600 *	49.7	85.5	14 400										42.0
44.0				27.6	75.2	14 000 *	35.5	79.4	14 900 *	45.8	83.7	13 700	54.4	86.0	11 900							44.0
46.0				20.5	70.7	13 400 *	30.1	76.3	14 300 *	41.6	81.6	13 000	50.8	84.5	11 300							46.0
48.0							23.7	72.3	13 800 *	37.1	79.2	12 400	46.9	82.7	10 700							48.0
50.0							15.0	66.6	13 100 *	32.0	76.3	11 800	42.8	80.7	10 100							50.0
52.0										26.0	72.6	11 200	38.4	78.4	9 700	47.7	81.2	8 200				52.0
54.0										18.3	67.7	10 600	33.4	75.6	9 100	43.7	79.2	7 800				54.0
56.0													27.7	72.2	8 700	39.3	77.0	7 300				56.0
58.0													20.7	67.8	8 200	34.5	74.3	6 900	44.1	77.2	5 700	58.0
60.0																29.0	71.1	6 600	39.8	75.0	5 300	60.0
62.0																22.3	66.9	6 200	35.0	72.4	5 000	62.0
64.0																12.6	60.5	5 900	29.6	69.2	4 800	64.0
66.0																			23.1	65.2	4 500	66.0
68.0																			14.0	59.2	4 200	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

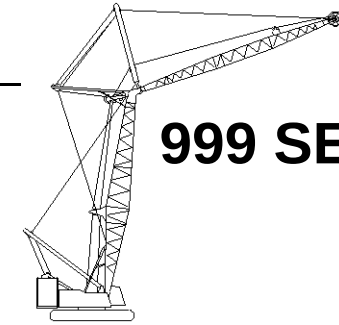
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	74.9	98.5	20 500 *b																			15.2
16.0	73.8	98.3	20 400 *b																			16.0
18.0	71.0	97.6	20 000 *																			18.0
20.0	68.2	96.9	19 300 *																			20.0
22.0	65.2	96.0	18 400 *																			22.0
24.0	62.2	95.0	17 600 *	69.3	96.7	19 700 *																24.0
26.0	59.2	93.9	16 700 *	66.4	95.9	18 900 *																26.0
28.0	56.0	92.6	16 000 *	63.4	95.0	18 100 *																28.0
30.0	52.7	91.2	15 200 *	60.4	93.9	17 300 *	64.6	94.9	18 400 *													30.0
32.0	49.2	89.6	14 500 *	57.2	92.7	16 600 *	61.6	93.9	17 600 *													32.0
34.0	45.6	87.7	13 800 *	54.0	91.3	15 800 *	58.5	92.8	16 900 *													34.0
36.0	41.7	85.6	13 100 *	50.6	89.8	15 000 *	55.3	91.5	16 100 *													36.0
38.0	37.5	83.2	12 500 *	47.0	88.0	14 300 *	52.0	90.0	15 400 *	59.6	92.1	15 700										38.0
40.0	32.8	80.4	11 900 *	43.2	86.0	13 600 *	48.5	88.3	14 700 *	56.4	90.8	14 800										40.0
42.0	27.4	76.9	11 200 *	39.1	83.8	13 000 *	44.8	86.4	14 000 *	53.1	89.4	14 000										42.0
44.0	20.9	72.5	10 700 *	34.6	81.1	12 300 *	40.9	84.3	13 300 *	49.7	87.8	13 300										44.0
46.0				29.6	77.9	11 800 *	36.6	81.8	12 700 *	46.1	86.0	12 600	54.0	88.3	10 900							46.0
48.0				23.6	73.9	11 300 *	31.8	78.8	12 100 *	42.2	83.9	12 000	50.6	86.8	10 300							48.0
50.0				15.6	68.3	10 800 *	26.2	75.2	11 600 *	38.0	81.6	11 400	47.1	85.0	9 800							50.0
52.0							19.3	70.5	11 100 *	33.4	78.8	10 900	43.3	83.0	9 300	51.3	85.2	7 800				52.0
54.0										28.2	75.4	10 400	39.2	80.8	8 800	47.8	83.5	7 400				54.0
56.0										21.8	71.1	9 900	34.7	78.1	8 400	44.1	81.6	7 000				56.0
58.0													29.7	74.9	8 000	40.0	79.3	6 600				58.0
60.0													23.7	70.9	7 500	35.7	76.8	6 300	44.5	79.5	5 100	60.0
62.0													15.8	65.4	7 200	30.8	73.7	6 000	40.5	77.3	4 800	62.0
64.0																25.0	69.9	5 600	36.2	74.8	4 500	64.0
66.0																17.6	64.8	5 300	31.3	71.8	4 200	66.0
68.0																			25.7	68.1	4 000	68.0
70.0																			18.6	63.2	3 800	70.0



999 SERIES 3

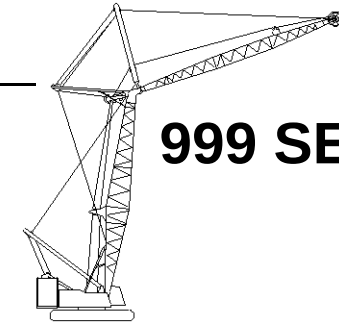
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	75.9	101.6	19 200 *b																			15.2
16.0	74.9	101.4	19 000 *b																			16.0
18.0	72.3	100.8	18 600 *																			18.0
20.0	69.7	100.1	17 800 *																			20.0
22.0	67.0	99.3	17 000 *																			22.0
24.0	64.2	98.4	16 200 *																			24.0
26.0	61.4	97.4	15 400 *	68.0	99.2	17 400 *																26.0
28.0	58.5	96.3	14 700 *	65.3	98.4	16 700 *																28.0
30.0	55.5	95.0	13 900 *	62.5	97.4	15 900 *	66.4	98.3	16 800 *													30.0
32.0	52.4	93.5	13 200 *	59.6	96.3	15 200 *	63.7	97.4	16 100 *													32.0
34.0	49.2	91.9	12 500 *	56.7	95.0	14 400 *	60.8	96.3	15 500 *													34.0
36.0	45.8	90.0	11 900 *	53.6	93.6	13 700 *	57.9	95.1	14 800 *													36.0
38.0	42.2	88.0	11 300 *	50.5	92.1	13 000 *	54.9	93.8	14 000 *													38.0
40.0	38.3	85.6	10 700 *	47.1	90.3	12 300 *	51.8	92.3	13 400 *	58.9	94.4	14 700										40.0
42.0	34.1	82.9	10 100 *	43.6	88.4	11 700 *	48.5	90.6	12 700 *	55.9	93.1	13 900										42.0
44.0	29.3	79.6	9 600 *	39.8	86.1	11 100 *	45.1	88.8	12 000 *	52.8	91.7	13 100										44.0
46.0	23.7	75.6	9 100 *	35.7	83.5	10 500 *	41.4	86.6	11 400 *	49.6	90.1	12 400	56.8	92.0	10 700							46.0
48.0	16.3	70.1	8 700 *	31.2	80.5	10 000 *	37.5	84.2	10 800 *	46.3	88.3	11 800	53.7	90.6	10 100							48.0
50.0				26.0	76.8	9 500 *	33.2	81.4	10 300 *	42.7	86.3	11 200	50.5	89.1	9 600							50.0
52.0				19.5	72.1	9 000 *	28.3	78.0	9 800 *	38.8	83.9	10 700	47.2	87.3	9 200							52.0
54.0							22.4	73.8	9 300 *	34.6	81.3	10 200	43.7	85.4	8 700	51.2	87.5	7 300				54.0
56.0							14.5	67.8	8 900 *	30.0	78.1	9 800	39.9	83.1	8 300	47.9	85.8	6 900				56.0
58.0										24.5	74.2	9 300	35.8	80.5	7 900	44.4	83.9	6 600				58.0
60.0										17.5	69.0	8 800	31.3	77.5	7 500	40.7	81.7	6 200				60.0
62.0													26.1	73.9	7 100	36.7	79.2	5 900	44.8	81.8	4 700	62.0
64.0													19.6	69.1	6 800	32.2	76.3	5 600	41.1	79.7	4 400	64.0
66.0																27.2	72.8	5 300	37.1	77.2	4 200	66.0
68.0																21.1	68.3	5 000	32.8	74.4	3 900	68.0
70.0																12.3	61.6	4 700	27.8	70.9	3 700	70.0
72.0																			21.8	66.6	3 500	72.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

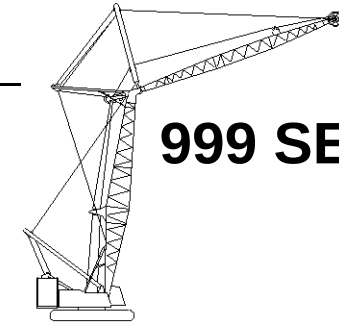
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	75.0	104.4	17 500 *																			16.8
18.0	73.5	104.0	17 100 *																			18.0
20.0	71.0	103.4	16 300 *																			20.0
22.0	68.5	102.6	15 600 *																			22.0
24.0	65.9	101.8	14 800 *																			24.0
26.0	63.3	100.9	14 000 *	69.5	102.5	15 900 *																26.0
28.0	60.7	99.8	13 300 *	66.9	101.7	15 200 *																28.0
30.0	58.0	98.6	12 600 *	64.4	100.8	14 500 *																30.0
32.0	55.1	97.3	11 900 *	61.7	99.8	13 700 *	65.4	100.7	14 700 *													32.0
34.0	52.2	95.8	11 200 *	59.0	98.6	13 000 *	62.8	99.8	14 000 *													34.0
36.0	49.2	94.2	10 600 *	56.2	97.4	12 400 *	60.1	98.7	13 300 *													36.0
38.0	46.0	92.3	10 000 *	53.4	96.0	11 700 *	57.4	97.5	12 600 *													38.0
40.0	42.6	90.3	9 400 *	50.4	94.4	11 000 *	54.6	96.1	12 000 *	61.0	97.9	13 300 *										40.0
42.0	39.0	88.0	8 800 *	47.2	92.6	10 400 *	51.6	94.6	11 300 *	58.3	96.8	12 700 *										42.0
44.0	35.1	85.3	8 300 *	44.0	90.7	9 800 *	48.6	92.9	10 700 *	55.5	95.5	12 200 *										44.0
46.0	30.8	82.3	7 800 *	40.5	88.5	9 200 *	45.3	91.1	10 100 *	52.6	94.0	11 500 *										46.0
48.0	25.9	78.6	7 400 *	36.7	86.0	8 700 *	41.9	89.0	9 500 *	49.6	92.4	10 900 *	56.3	94.3	9 800							48.0
50.0	19.8	73.8	7 000 *	32.5	83.1	8 100 *	38.3	86.6	9 000 *	46.4	90.6	10 300 *	53.4	92.9	9 300							50.0
52.0				27.9	79.6	7 700 *	34.3	83.9	8 400 *	43.1	88.6	9 700 *	50.4	91.4	8 800							52.0
54.0				22.3	75.4	7 200 *	29.9	80.7	8 000 *	39.5	86.3	9 200 *	47.3	89.6	8 400							54.0
56.0				15.0	69.4	6 900 *	24.8	76.8	7 500 *	35.7	83.7	8 700 *	44.0	87.7	7 900	51.0	89.8	6 600				56.0
58.0							18.4	71.8	7 100 *	31.4	80.7	8 200 *	40.5	85.5	7 600	47.9	88.1	6 200				58.0
60.0										26.6	77.1	7 700 *	36.8	83.0	7 200	44.7	86.2	5 900				60.0
62.0										20.7	72.5	7 300 *	32.6	80.1	6 900	41.2	84.0	5 600				62.0
64.0										12.5	65.8	6 900 *	28.0	76.7	6 500	37.5	81.6	5 300	45.1	84.1	4 100	64.0
66.0													22.5	72.4	6 200	33.5	78.8	5 000	41.6	82.0	3 900	66.0
68.0													15.2	66.5	5 900	29.0	75.5	4 800	38.0	79.6	3 600	68.0
70.0																23.7	71.5	4 500	34.0	76.9	3 400	70.0
72.0																16.9	66.1	4 300	29.5	73.6	3 200	72.0
76.0																			17.7	64.5	2 800	76.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

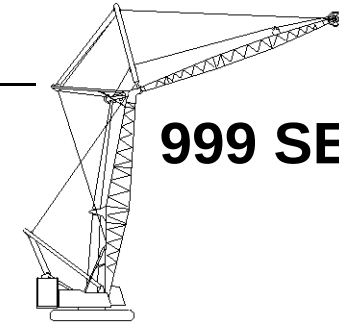
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

54.9m (180 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	75.9	107.5	15 800 *																			16.8
18.0	74.5	107.2	15 600 *																			18.0
20.0	72.2	106.6	15 100 *																			20.0
22.0	69.8	105.9	14 400 *																			22.0
24.0	67.4	105.1	13 600 *																			24.0
26.0	65.0	104.2	12 900 *	70.7	105.7	14 400 *																26.0
28.0	62.6	103.3	12 200 *	68.4	105.0	14 000 *																28.0
30.0	60.0	102.2	11 500 *	66.0	104.2	13 300 *																30.0
32.0	57.5	100.9	10 800 *	63.5	103.2	12 600 *	67.0	104.1	13 400 *													32.0
34.0	54.8	99.6	10 200 *	61.0	102.2	11 900 *	64.5	103.2	12 800 *													34.0
36.0	52.0	98.1	9 600 *	58.5	101.0	11 300 *	62.1	102.1	12 200 *													36.0
38.0	49.2	96.5	9 000 *	55.8	99.7	10 600 *	59.5	101.0	11 500 *													38.0
40.0	46.2	94.7	8 400 *	53.1	98.3	9 900 *	56.9	99.8	10 900 *													40.0
42.0	43.0	92.6	7 900 *	50.3	96.7	9 400 *	54.2	98.4	10 300 *	60.4	100.3	11 600 *										42.0
44.0	39.7	90.4	7 400 *	47.3	94.9	8 800 *	51.5	96.9	9 700 *	57.8	99.1	11 000 *										44.0
46.0	36.1	87.8	6 900 *	44.3	93.0	8 200 *	48.6	95.2	9 100 *	55.1	97.8	10 400 *										46.0
48.0	32.1	84.8	6 500 *	41.0	90.8	7 700 *	45.6	93.4	8 500 *	52.4	96.3	9 800 *										48.0
50.0	27.7	81.4	6 000 *	37.5	88.4	7 200 *	42.4	91.3	8 000 *	49.6	94.7	9 300 *	55.9	96.7	9 000							50.0
52.0	22.5	77.1	5 600 *	33.7	85.6	6 800 *	39.0	89.0	7 500 *	46.6	92.9	8 700 *	53.2	95.2	8 500							52.0
54.0	15.7	71.3	5 100 *	29.5	82.3	6 300 *	35.3	86.3	7 000 *	43.5	90.9	8 200 *	50.3	93.7	8 100							54.0
56.0				24.6	78.4	5 900 *	31.3	83.3	6 500 *	40.1	88.7	7 700 *	47.4	91.9	7 700							56.0
58.0				18.6	73.4	5 300 *	26.7	79.7	6 100 *	36.6	86.2	7 200 *	44.3	90.0	7 300	50.9	92.1	6 000				58.0
60.0							21.3	75.2	5 600 *	32.7	83.3	6 700 *	41.1	87.8	7 000	48.0	90.4	5 600				60.0
62.0							14.0	68.9	5 100 *	28.3	79.9	6 300 *	37.6	85.4	6 600	45.0	88.5	5 300				62.0
64.0										23.2	75.7	5 800 *	33.8	82.6	6 300	41.7	86.4	5 100				64.0
66.0										16.8	70.2	5 300 *	29.6	79.4	6 000	38.3	84.0	4 800	45.3	86.5	3 700	66.0
68.0													24.7	75.5	5 700	34.6	81.3	4 600	42.1	84.4	3 400	68.0
70.0													18.7	70.4	5 400	30.5	78.2	4 300	38.7	82.0	3 200	70.0
72.0																25.8	74.4	4 100	35.0	79.3	3 000	72.0
76.0																12.1	62.7	3 700	26.3	72.6	2 600	76.0
80.0																			13.2	61.4	2 300	80.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

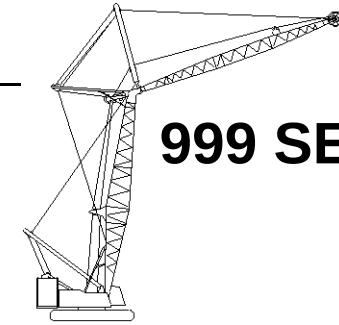
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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.	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	58.9	78.6	38 300 *b																			15.2
16.0	56.5	78.1	37 300 *b																			16.0
18.0	49.8	76.6	34 500 *b																			18.0
20.0	42.3	74.7	31 600 *	59.8	78.3	37 300 *b																20.0
22.0	33.6	72.1	28 800 *	53.3	77.0	34 200 *b																22.0
24.0	22.1	68.3	25 800 *	46.3	75.3	30 700 *	56.6	77.2	31 500 b													24.0
26.0				38.3	73.1	27 900 *	49.9	75.7	29 100 b													26.0
28.0				28.6	70.1	25 500 *	42.4	73.8	27 000	59.5	76.6	24 100 b										28.0
30.0				13.6	64.9	22 500 *	33.7	71.2	25 300	53.1	75.3	22 400 b										30.0
32.0							22.3	67.5	23 700	46.0	73.6	21 000										32.0
34.0										37.9	71.3	19 700	55.7	74.3	17 300 b							34.0
36.0										28.1	68.3	18 600	48.9	72.7	16 300							36.0
38.0										12.6	62.9	17 600	41.3	70.7	15 300							38.0
40.0													32.4	68.1	14 500	51.2	71.3	12 600 b				40.0
42.0													20.2	64.0	13 600	43.9	69.4	11 800				42.0
44.0																35.5	67.0	11 100				44.0
46.0																24.7	63.6	10 400				46.0
48.0																			45.6	67.5	8 800	48.0
50.0																			37.5	65.3	8 300	50.0
																			27.5	62.1	7 800	



999 SERIES 3

Liftcrane Luffing Jib Capacities

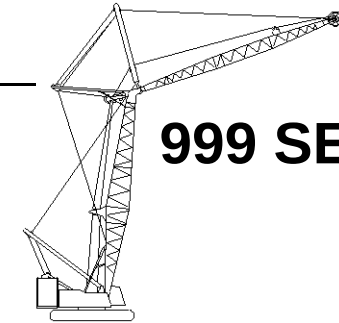
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	63.2	82.1	35 400 *b																			15.2
16.0	61.1	81.7	34 800 *b																			16.0
18.0	55.6	80.4	32 600 *b																			18.0
20.0	49.7	78.9	30 000 *	63.9	81.7	36 200 *b																20.0
22.0	43.2	77.0	27 600 *	58.5	80.6	33 700 *b																22.0
24.0	35.8	74.6	25 400 *	52.8	79.3	30 500 *	61.2	80.7	30 800 b													24.0
26.0	26.8	71.3	23 200 *	46.7	77.6	27 700 *	55.7	79.5	28 500 b													26.0
28.0				39.8	75.5	25 300 *	49.8	78.0	26 500													28.0
30.0				31.7	72.7	23 200 *	43.3	76.1	24 700	58.3	79.0	21 900 b										30.0
32.0				21.2	68.7	21 500 *	35.9	73.7	23 200	52.6	77.6	20 500										32.0
34.0							26.9	70.4	21 700	46.4	75.9	19 200										34.0
36.0							13.2	64.9	20 000 *	39.5	73.7	18 100	54.9	76.6	15 800							36.0
38.0										31.3	70.9	17 100	48.9	75.0	14 900							38.0
40.0										20.6	66.8	16 200	42.3	73.1	14 000							40.0
42.0													34.8	70.6	13 300							42.0
44.0													25.4	67.1	12 500	44.5	71.8	10 800				44.0
46.0																37.4	69.5	10 200				46.0
48.0																28.7	66.4	9 500				48.0
50.0																16.5	61.6	9 000				50.0
52.0																			39.1	67.6	7 500	52.0
54.0																			30.9	64.8	7 100	54.0
																			19.9	60.6	6 700	



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Liftcrane Luffing Jib Capacities

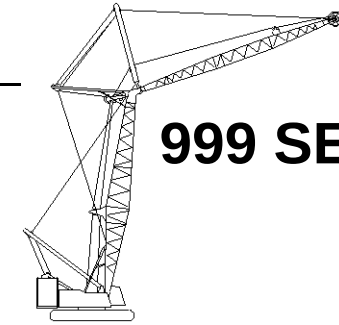
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	
15.2	66.3	85.4	32 600 *b																			15.2
16.0	64.6	85.1	32 300 *b																			16.0
18.0	59.9	84.0	30 700 *																			18.0
20.0	54.9	82.8	28 500 *	67.0	85.1	33 300 *b																20.0
22.0	49.6	81.2	26 300 *	62.3	84.2	32 800 *b																22.0
24.0	43.9	79.3	24 300 *	57.5	83.0	30 400 *	64.7	84.2	30 300 b													24.0
26.0	37.5	77.0	22 500 *	52.4	81.6	27 500 *	59.9	83.1	28 000 b													26.0
28.0	29.9	74.0	20 800 *	46.9	79.9	25 100 *	55.0	81.8	26 000													28.0
30.0	20.0	69.7	19 300 *	40.9	77.8	23 100 *	49.7	80.3	24 300													30.0
32.0				34.0	75.2	21 300 *	44.0	78.4	22 700	57.3	81.3	20 100										32.0
34.0				25.6	71.7	19 800 *	37.6	76.1	21 400	52.2	79.9	18 900										34.0
36.0				12.9	66.0	17 800 *	30.1	73.1	20 100	46.7	78.2	17 700										36.0
38.0							20.2	68.8	18 800 *	40.6	76.1	16 700	54.3	78.9	14 600							38.0
40.0										33.7	73.4	15 800	48.9	77.3	13 700							40.0
42.0										25.2	69.9	15 000	43.1	75.4	13 000							42.0
44.0										12.1	64.0	14 200	36.6	73.0	12 300							44.0
46.0													28.9	69.9	11 600	45.1	74.1	9 900				46.0
48.0													18.4	65.3	11 000	38.8	71.8	9 400				48.0
50.0																31.5	69.0	8 800				50.0
52.0																22.3	65.1	8 300	40.3	70.0	6 900	52.0
54.0																			33.3	67.3	6 500	54.0
56.0																			24.7	63.7	6 100	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

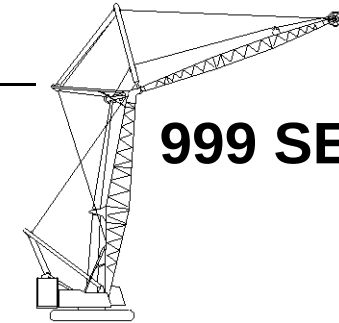
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	
15.2	68.8	88.7	30 200 *b																			15.2
16.0	67.3	88.4	30 000 *b																			16.0
18.0	63.1	87.5	28 700 *																			18.0
20.0	58.8	86.4	26 800 *	69.4	88.4	30 500 *b																20.0
22.0	54.3	85.1	25 000 *	65.3	87.5	30 300 *b																22.0
24.0	49.6	83.5	23 200 *	61.1	86.5	29 000 *																24.0
26.0	44.4	81.6	21 500 *	56.7	85.3	27 200 *	63.2	86.6	27 500													26.0
28.0	38.8	79.4	20 000 *	52.1	83.9	24 900 *	58.9	85.5	25 500													28.0
30.0	32.3	76.6	18 500 *	47.1	82.2	22 800 *	54.4	84.2	23 800													30.0
32.0	24.3	72.9	17 200 *	41.8	80.2	21 000 *	49.6	82.6	22 200	60.9	84.9	19 600										32.0
34.0				35.7	77.7	19 500 *	44.5	80.7	20 900	56.5	83.6	18 400										34.0
36.0				28.7	74.5	18 200 *	38.8	78.5	19 700	51.9	82.2	17 300										36.0
38.0				19.5	70.0	17 000 *	32.4	75.7	18 500	46.9	80.5	16 300										38.0
40.0							24.5	72.0	17 400 *	41.5	78.4	15 400	53.7	81.2	13 300							40.0
42.0							12.6	66.0	16 100 *	35.5	75.9	14 600	48.9	79.6	12 600							42.0
44.0										28.3	72.7	13 900	43.7	77.7	11 900							44.0
46.0										19.0	68.1	13 200	38.0	75.4	11 300	50.5	78.2	9 500				46.0
48.0													31.4	72.5	10 700	45.5	76.4	9 000				48.0
50.0													23.2	68.6	10 100	39.9	74.2	8 500				50.0
52.0																33.6	71.5	8 000	46.6	74.4	6 600	52.0
54.0																26.1	68.0	7 600	41.2	72.4	6 200	54.0
56.0																15.4	62.8	7 200	35.1	69.8	5 800	56.0
58.0																			27.9	66.6	5 500	58.0
60.0																			18.4	61.9	5 200	60.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

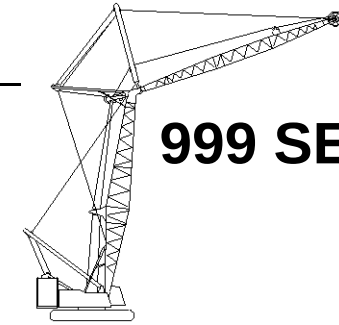
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	
15.2	70.8	92.0	24 500 *b																			15.2
16.0	69.4	91.7	24 300 *b																			16.0
18.0	65.8	90.9	23 800 *																			18.0
20.0	61.9	89.9	23 200 *																			20.0
22.0	58.0	88.7	22 700 *	67.7	90.9	24 600 *b																22.0
24.0	53.9	87.4	21 700 *	63.9	90.0	24 200 *																24.0
26.0	49.5	85.8	20 300 *	60.1	88.9	23 800 *	65.8	90.0	24 200 *													26.0
28.0	44.9	84.0	18 900 *	56.0	87.7	23 400 *	62.0	89.0	24 000 *													28.0
30.0	39.8	81.8	17 700 *	51.8	86.2	22 400 *	58.0	87.8	23 600													30.0
32.0	34.1	79.1	16 500 *	47.3	84.5	21 400 *	53.9	86.5	22 300													32.0
34.0	27.4	75.7	15 500 *	42.5	82.5	19 800 *	49.6	84.9	20 900	59.9	87.2	18 500										34.0
36.0	18.6	71.0	14 600 *	37.1	80.1	18 500 *	44.9	83.0	19 700	55.8	86.0	17 400										36.0
38.0				31.0	77.1	17 200 *	39.8	80.9	18 600	51.6	84.5	16 300										38.0
40.0				23.5	73.2	16 200 *	34.2	78.2	17 600	47.1	82.8	15 400										40.0
42.0				12.5	67.1	14 700 *	27.5	74.8	16 600 *	42.2	80.8	14 600	53.3	83.5	12 700							42.0
44.0							18.8	70.2	15 600 *	36.9	78.3	13 900	48.9	81.9	12 000							44.0
46.0										30.7	75.3	13 200	44.2	80.0	11 400							46.0
48.0										23.2	71.4	12 600	39.1	77.8	10 800	50.4	80.5	9 200				48.0
50.0										11.8	65.1	11 900	33.3	75.0	10 300	45.8	78.7	8 700				50.0
52.0													26.4	71.6	9 700	40.8	76.6	8 300				52.0
54.0													17.2	66.6	9 200	35.3	74.0	7 800				54.0
56.0																28.8	70.8	7 400	42.0	74.7	6 000	56.0
58.0																20.6	66.5	7 000	36.6	72.2	5 700	58.0
60.0																			30.4	69.2	5 300	60.0
62.0																			22.7	65.2	5 100	62.0
64.0																			10.9	58.6	4 800	64.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

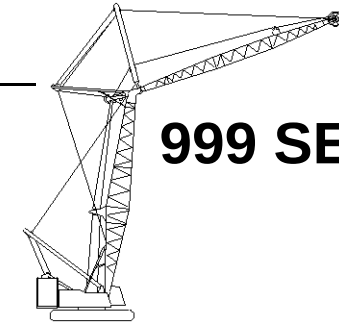
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	
15.2	72.5	95.2	23 000 *b																			15.2
16.0	71.2	94.9	22 900 *b																			16.0
18.0	67.9	94.2	22 400 *																			18.0
20.0	64.5	93.3	21 900 *																			20.0
22.0	60.9	92.3	21 400 *	69.6	94.1	22 900 *b																22.0
24.0	57.3	91.1	20 500 *	66.2	93.3	22 600 *																24.0
26.0	53.5	89.7	19 300 *	62.8	92.4	22 300 *																26.0
28.0	49.5	88.1	18 100 *	59.2	91.3	21 600 *	64.5	92.4	22 300 *													28.0
30.0	45.2	86.3	16 900 *	55.5	90.0	20 700 *	61.0	91.4	21 900 *													30.0
32.0	40.6	84.1	15 800 *	51.6	88.5	19 800 *	57.3	90.2	21 200 *													32.0
34.0	35.5	81.6	14 800 *	47.4	86.8	18 900 *	53.5	88.8	20 300 *													34.0
36.0	29.7	78.4	14 000 *	43.0	84.8	18 100 *	49.5	87.2	19 300 *	59.0	89.6	16 900										36.0
38.0	22.6	74.4	13 100 *	38.2	82.5	17 000 *	45.3	85.4	18 200 *	55.3	88.3	15 900										38.0
40.0				32.8	79.7	15 900 *	40.7	83.2	17 200 *	51.4	86.8	15 000										40.0
42.0				26.5	76.2	15 000 *	35.6	80.7	16 300 *	47.3	85.1	14 300										42.0
44.0				18.2	71.3	14 100 *	29.8	77.5	15 400 *	42.8	83.1	13 500	53.0	85.8	11 600							44.0
46.0							22.7	73.5	14 500 *	38.0	80.7	12 800	48.9	84.2	11 000							46.0
48.0							12.2	67.1	13 500 *	32.6	77.9	12 200	44.6	82.3	10 500							48.0
50.0										26.2	74.4	11 700	40.0	80.1	9 900	50.3	82.8	8 300				50.0
52.0										17.8	69.4	11 100	34.8	77.5	9 400	46.1	81.0	7 900				52.0
54.0													28.9	74.3	9 000	41.5	78.9	7 500				54.0
56.0													21.5	70.1	8 500	36.6	76.4	7 100				56.0
58.0																30.9	73.4	6 700	42.6	77.0	5 400	58.0
60.0																24.1	69.6	6 300	37.7	74.7	5 100	60.0
62.0																14.7	63.9	6 000	32.3	71.8	4 800	62.0
64.0																			25.8	68.2	4 500	64.0
66.0																			17.3	63.1	4 200	66.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

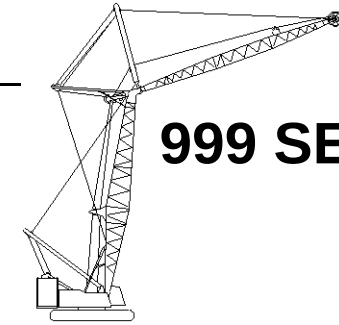
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	
15.2	73.9	98.4	21 600 *b																			15.2
16.0	72.7	98.1	21 500 *b																			16.0
18.0	69.7	97.5	21 000 *																			18.0
20.0	66.5	96.7	20 600 *																			20.0
22.0	63.4	95.7	19 900 *																			22.0
24.0	60.1	94.7	19 100 *	68.2	96.6	21 100 *																24.0
26.0	56.7	93.4	18 200 *	65.0	95.8	20 600 *																26.0
28.0	53.1	92.0	17 200 *	61.8	94.8	19 800 *	66.6	95.7	20 600 *													28.0
30.0	49.4	90.4	16 200 *	58.4	93.6	19 100 *	63.4	94.8	20 200 *													30.0
32.0	45.5	88.6	15 200 *	55.0	92.3	18 200 *	60.1	93.7	19 400 *													32.0
34.0	41.3	86.5	14 300 *	51.4	90.8	17 500 *	56.7	92.5	18 700 *													34.0
36.0	36.7	84.0	13 400 *	47.6	89.1	16 700 *	53.2	91.1	17 900 *													36.0
38.0	31.5	81.0	12 600 *	43.5	87.1	16 000 *	49.5	89.5	17 200 *	58.3	91.9	15 600										38.0
40.0	25.5	77.4	11 900 *	39.1	84.9	15 300 *	45.6	87.7	16 500 *	54.8	90.6	14 800										40.0
42.0	17.6	72.3	11 400 *	34.3	82.2	14 700 *	41.4	85.6	15 800 *	51.2	89.1	13 900										42.0
44.0				28.8	78.9	13 900 *	36.8	83.1	15 100 *	47.4	87.4	13 200										44.0
46.0				22.0	74.7	13 100 *	31.6	80.1	14 400 *	43.3	85.4	12 600	52.7	88.2	10 700							46.0
48.0				12.1	68.2	12 100 *	25.6	76.5	13 600 *	38.9	83.1	11 900	48.9	86.5	10 200							48.0
50.0							17.7	71.4	12 800 *	34.1	80.4	11 400	45.0	84.7	9 600							50.0
52.0										28.5	77.1	10 900	40.7	82.5	9 200	50.2	85.1	7 600				52.0
54.0										21.7	72.8	10 400	36.1	80.0	8 700	46.3	83.3	7 200				54.0
56.0										11.5	66.1	9 800	30.8	77.0	8 300	42.1	81.2	6 900				56.0
58.0													24.6	73.1	7 900	37.6	78.9	6 500	47.2	81.3	5 200	58.0
60.0													16.3	67.8	7 500	32.6	76.0	6 200	43.1	79.4	4 900	60.0
62.0																26.8	72.5	5 800	38.7	77.0	4 600	62.0
64.0																19.4	67.8	5 500	33.8	74.3	4 400	64.0
66.0																			28.2	71.0	4 100	66.0
68.0																			21.3	66.6	3 800	68.0
70.0																			10.8	59.7	3 600	70.0



999 SERIES 3

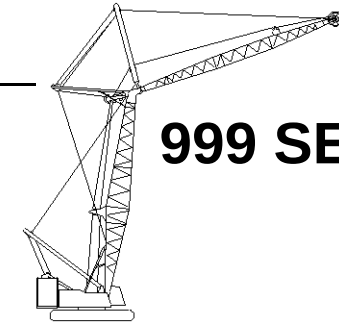
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	75.0	101.5	20 200 *b																			15.2
16.0	74.0	101.3	20 000 *b																			16.0
18.0	71.2	100.7	19 600 *																			18.0
20.0	68.3	100.0	19 100 *																			20.0
22.0	65.4	99.1	18 300 *																			22.0
24.0	62.4	98.1	17 500 *																			24.0
26.0	59.3	97.0	16 700 *	66.9	99.1	18 900 *																26.0
28.0	56.1	95.8	15 900 *	64.0	98.2	18 200 *																28.0
30.0	52.9	94.3	15 200 *	60.9	97.2	17 400 *	65.4	98.2	18 300 *													30.0
32.0	49.4	92.7	14 500 *	57.8	96.0	16 600 *	62.4	97.2	17 700 *													32.0
34.0	45.8	90.9	13 700 *	54.6	94.6	15 900 *	59.4	96.1	17 000 *													34.0
36.0	41.9	88.8	12 900 *	51.2	93.1	15 100 *	56.2	94.8	16 300 *													36.0
38.0	37.7	86.4	12 200 *	47.7	91.4	14 400 *	52.9	93.4	15 600 *	60.8	95.5	15 200										38.0
40.0	33.0	83.6	11 500 *	43.9	89.5	13 700 *	49.4	91.8	14 900 *	57.7	94.3	14 300										40.0
42.0	27.7	80.2	10 900 *	39.9	87.2	13 100 *	45.8	90.0	14 200 *	54.4	92.9	13 600										42.0
44.0	21.3	75.8	10 300 *	35.5	84.6	12 500 *	41.9	87.9	13 500 *	51.1	91.4	12 900										44.0
46.0				30.6	81.6	11 900 *	37.7	85.5	12 900 *	47.5	89.7	12 200	55.7	91.9	10 400							46.0
48.0				24.8	77.8	11 400 *	33.1	82.7	12 300 *	43.7	87.7	11 600	52.4	90.5	9 800							48.0
50.0				17.3	72.6	10 900 *	27.8	79.3	11 800 *	39.7	85.5	11 000	48.9	88.8	9 300							50.0
52.0							21.3	74.9	11 200 *	35.3	82.9	10 500	45.3	87.0	8 800							52.0
54.0							12.0	68.2	10 800 *	30.3	79.8	10 000	41.4	84.8	8 400	50.1	87.4	6 900				54.0
56.0										24.5	75.9	9 600	37.1	82.4	8 000	46.5	85.6	6 500				56.0
58.0										16.9	70.6	9 100	32.4	79.5	7 600	42.7	83.6	6 200				58.0
60.0													27.0	76.0	7 300	38.5	81.2	5 800				60.0
62.0													20.3	71.4	6 900	34.0	78.5	5 600	43.6	81.7	4 300	62.0
64.0													10.0	64.0	6 600	28.8	75.2	5 300	39.5	79.4	4 100	64.0
66.0																22.7	71.1	5 000	35.1	76.8	3 800	66.0
68.0																14.1	65.1	4 700	30.1	73.7	3 600	68.0
70.0																			24.2	69.8	3 400	70.0
72.0																			16.4	64.4	3 200	72.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

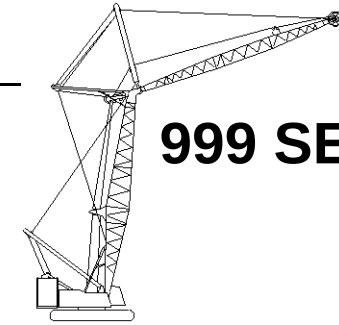
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	
16.8	74.1	104.3	18 600 *																			16.8
18.0	72.5	103.9	18 300 *																			18.0
20.0	69.8	103.2	17 700 *																			20.0
22.0	67.1	102.4	16 900 *																			22.0
24.0	64.4	101.5	16 200 *																			24.0
26.0	61.6	100.5	15 400 *	68.5	102.4	17 400 *																26.0
28.0	58.7	99.4	14 600 *	65.8	101.6	16 700 *																28.0
30.0	55.7	98.1	13 900 *	63.0	100.6	16 000 *																30.0
32.0	52.6	96.6	13 200 *	60.2	99.5	15 200 *	64.4	100.6	16 200 *													32.0
34.0	49.4	95.0	12 500 *	57.2	98.3	14 500 *	61.6	99.6	15 600 *													34.0
36.0	46.0	93.2	11 900 *	54.2	96.9	13 800 *	58.7	98.4	14 900 *													36.0
38.0	42.4	91.1	11 300 *	51.1	95.4	13 100 *	55.7	97.2	14 200 *													38.0
40.0	38.5	88.8	10 700 *	47.8	93.7	12 500 *	52.6	95.7	13 600 *	60.1	97.8	14 200										40.0
42.0	34.3	86.1	10 200 *	44.3	91.8	11 800 *	49.4	94.1	12 900 *	57.1	96.6	13 400										42.0
44.0	29.6	82.9	9 700 *	40.6	89.6	11 200 *	46.0	92.3	12 300 *	54.1	95.2	12 700										44.0
46.0	24.0	78.9	9 200 *	36.5	87.1	10 700 *	42.4	90.2	11 600 *	50.9	93.7	12 000										46.0
48.0	16.8	73.5	8 800 *	32.1	84.1	10 100 *	38.6	87.9	11 000 *	47.6	92.0	11 400	55.3	94.2	9 600							48.0
50.0				27.0	80.6	9 600 *	34.4	85.2	10 500 *	44.1	90.0	10 800	52.2	92.8	9 100							50.0
52.0				20.8	76.1	9 200 *	29.6	82.0	9 900 *	40.4	87.8	10 300	49.0	91.1	8 700							52.0
54.0				11.9	69.3	8 800 *	24.1	78.0	9 500 *	36.3	85.3	9 900	45.5	89.3	8 200							54.0
56.0							16.9	72.7	9 000 *	31.9	82.4	9 400	41.9	87.2	7 800	50.0	89.7	6 400				56.0
58.0										26.8	78.8	9 000	38.0	84.8	7 500	46.7	87.9	6 100				58.0
60.0										20.5	74.2	8 600	33.7	82.0	7 100	43.1	85.9	5 700				60.0
62.0										11.4	67.2	8 200	28.9	78.7	6 800	39.3	83.6	5 400				62.0
64.0													23.2	74.7	6 500	35.2	81.0	5 200	43.9	84.0	3 900	64.0
66.0													15.7	69.0	6 100	30.5	77.9	4 900	40.2	81.8	3 700	66.0
68.0																25.2	74.1	4 700	36.1	79.2	3 500	68.0
70.0																18.4	69.1	4 400	31.6	76.3	3 300	70.0
72.0																			26.5	72.7	3 100	72.0
76.0																			10.7	60.8	2 700	76.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

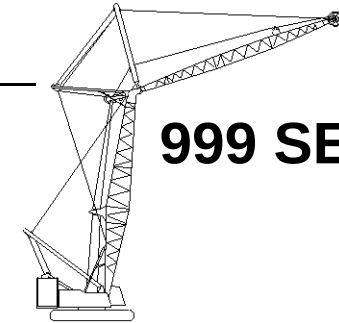
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

57.9m (190 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	75.1	107.4	17 000 *																			16.8
18.0	73.6	107.1	16 700 *																			18.0
20.0	71.1	106.5	16 200 *																			20.0
22.0	68.6	105.7	15 500 *																			22.0
24.0	66.1	104.9	14 700 *																			24.0
26.0	63.5	104.0	14 000 *	69.9	105.7	15 900 *																26.0
28.0	60.8	102.9	13 300 *	67.4	104.9	15 200 *																28.0
30.0	58.1	101.7	12 600 *	64.8	104.0	14 500 *																30.0
32.0	55.3	100.4	11 900 *	62.2	103.0	13 800 *	66.1	104.0	14 700 *													32.0
34.0	52.4	98.9	11 200 *	59.5	101.9	13 100 *	63.5	103.0	14 100 *													34.0
36.0	49.3	97.3	10 600 *	56.8	100.6	12 500 *	60.9	102.0	13 500 *													36.0
38.0	46.2	95.5	10 000 *	53.9	99.3	11 800 *	58.1	100.8	12 800 *													38.0
40.0	42.8	93.5	9 400 *	50.9	97.7	11 100 *	55.3	99.5	12 200 *	62.1	101.3	13 400 *										40.0
42.0	39.2	91.2	8 900 *	47.8	96.0	10 500 *	52.4	98.0	11 500 *	59.4	100.2	12 900 *										42.0
44.0	35.4	88.5	8 300 *	44.6	94.1	9 900 *	49.4	96.4	10 900 *	56.6	98.9	12 300 *										44.0
46.0	31.1	85.5	7 900 *	41.1	91.9	9 400 *	46.2	94.6	10 300 *	53.8	97.6	11 700 *										46.0
48.0	26.2	81.8	7 400 *	37.4	89.5	8 800 *	42.9	92.5	9 700 *	50.8	96.0	11 100 *										48.0
50.0	20.2	77.1	7 000 *	33.3	86.7	8 300 *	39.3	90.3	9 100 *	47.7	94.3	10 500 *	54.9	96.6	8 800 *							50.0
52.0				28.8	83.3	7 800 *	35.4	87.6	8 600 *	44.4	92.4	10 000 *	52.0	95.1	8 300 *							52.0
54.0				23.5	79.3	7 400 *	31.1	84.6	8 100 *	41.0	90.2	9 500 *	49.0	93.4	7 900 *							54.0
56.0				16.6	73.8	7 000 *	26.2	80.9	7 600 *	37.2	87.7	8 900 *	45.8	91.6	7 500 *							56.0
58.0							20.3	76.3	7 200 *	33.2	84.9	8 400 *	42.4	89.5	7 100 *	50.0	92.0	5 700 *				58.0
60.0							11.8	69.3	6 800 *	28.6	81.6	7 900 *	38.8	87.2	6 800 *	46.8	90.2	5 400 *				60.0
62.0										23.2	77.4	7 500 *	34.8	84.5	6 500 *	43.5	88.2	5 100 *				62.0
64.0										16.2	71.8	7 100 *	30.5	81.4	6 200 *	40.0	86.0	4 800 *	47.5	88.2	3 600 *	64.0
66.0													25.5	77.6	5 900 *	36.1	83.4	4 600 *	44.3	86.3	3 400 *	66.0
68.0													19.3	72.8	5 600 *	32.0	80.5	4 400 *	40.8	84.1	3 200 *	68.0
70.0													10.0	65.1	5 400 *	27.2	76.9	4 100 *	37.0	81.6	3 000 *	70.0
72.0																21.5	72.5	3 900 *	32.9	78.8	2 800 *	72.0
76.0																			22.9	71.2	2 500 *	76.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

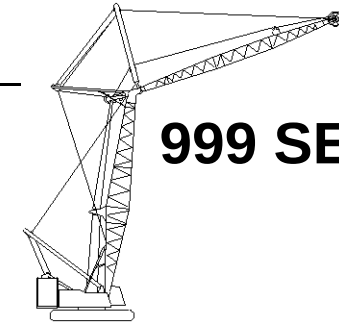
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

57.9m (190 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	76.0	110.6	15 400 *																			16.8
18.0	74.6	110.3	15 200 *																			18.0
20.0	72.3	109.7	14 800 *																			20.0
22.0	69.9	109.0	14 300 *																			22.0
24.0	67.6	108.2	13 600 *																			24.0
26.0	65.2	107.3	12 800 *																			26.0
28.0	62.7	106.4	12 200 *	68.8	108.2	13 800 *																28.0
30.0	60.2	105.3	11 500 *	66.4	107.3	13 300 *																30.0
32.0	57.6	104.1	10 800 *	64.0	106.4	12 700 *	67.6	107.3	13 100 *													32.0
34.0	54.9	102.7	10 200 *	61.5	105.4	12 000 *	65.2	106.4	12 900 *													34.0
36.0	52.2	101.2	9 600 *	58.9	104.2	11 300 *	62.7	105.4	12 300 *													36.0
38.0	49.3	99.6	9 000 *	56.3	103.0	10 700 *	60.2	104.3	11 600 *													38.0
40.0	46.3	97.8	8 500 *	53.6	101.6	10 100 *	57.6	103.1	11 000 *													40.0
42.0	43.2	95.8	7 900 *	50.8	100.0	9 500 *	55.0	101.8	10 400 *	61.4	103.7	11 600 *										42.0
44.0	39.9	93.5	7 400 *	47.9	98.3	8 900 *	52.2	100.3	9 900 *	58.8	102.6	11 200 *										44.0
46.0	36.3	91.0	7 000 *	44.8	96.4	8 400 *	49.4	98.7	9 300 *	56.2	101.3	10 600 *										46.0
48.0	32.4	88.0	6 500 *	41.6	94.3	7 800 *	46.4	96.9	8 700 *	53.5	99.9	10 100 *										48.0
50.0	28.0	84.6	6 100 *	38.2	91.9	7 300 *	43.2	94.9	8 100 *	50.7	98.3	9 500 *										50.0
52.0	22.8	80.4	5 700 *	34.4	89.2	6 800 *	39.9	92.6	7 600 *	47.8	96.6	9 000 *	54.6	98.9	8 100							52.0
54.0	16.2	74.7	5 200 *	30.3	86.0	6 400 *	36.3	90.1	7 100 *	44.7	94.7	8 400 *	51.8	97.4	7 700							54.0
56.0				25.6	82.2	6 000 *	32.4	87.1	6 700 *	41.5	92.5	7 900 *	49.0	95.7	7 200							56.0
58.0				19.8	77.5	5 500 *	28.0	83.7	6 200 *	38.0	90.1	7 400 *	46.0	93.9	6 900	52.7	95.9	5 500				58.0
60.0				11.7	70.4	5 000 *	22.9	79.5	5 700 *	34.3	87.4	6 900 *	42.8	91.8	6 500	49.9	94.3	5 100				60.0
62.0							16.3	73.9	5 200 *	30.1	84.2	6 500 *	39.4	89.6	6 200	46.9	92.5	4 900				62.0
64.0							3.0	62.1	4 800 *	25.4	80.4	6 100 *	35.8	87.0	5 900	43.8	90.5	4 600				64.0
66.0										19.6	75.6	5 500 *	31.8	84.0	5 700	40.5	88.3	4 300				66.0
68.0										11.2	68.3	5 000 *	27.3	80.4	5 400	37.0	85.8	4 100	44.5	88.6	2 900	68.0
70.0													22.1	76.1	5 200	33.2	83.0	3 900	41.3	86.5	2 700	70.0
72.0													15.1	70.2	4 900	28.9	79.7	3 700	37.8	84.0	2 500	72.0
76.0																17.6	70.4	3 300	29.9	78.1	2 200	76.0
80.0																			19.2	69.3	1 900	80.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

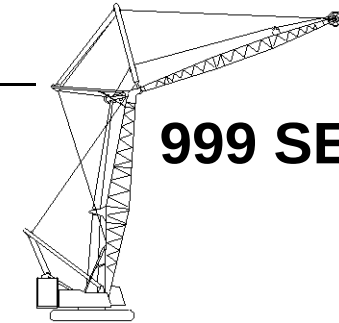
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	59.3	81.7	36 300 *b																			15.2
16.0	56.9	81.2	35 300 *b																			16.0
18.0	50.2	79.7	32 600 *b																			18.0
20.0	42.8	77.8	30 000 *																			20.0
22.0	34.1	75.3	27 600 *	54.6	80.3	33 000 *b																22.0
24.0	22.8	71.6	25 000 *	47.7	78.7	29 700 *b																24.0
26.0				39.9	76.6	27 000 *	51.7	79.1	28 400 b													26.0
28.0				30.6	73.7	24 600 *	44.5	77.3	26 400 b													28.0
30.0				17.3	69.2	22 700 *	36.2	75.0	24 600	55.7	78.8	21 700 b										30.0
32.0							25.8	71.6	22 800 *	48.9	77.2	20 300 b										32.0
34.0										41.3	75.2	19 100										34.0
36.0										32.3	72.6	18 000	52.5	76.4	15 600 b							36.0
38.0										20.1	68.5	17 000	45.4	74.7	14 700							38.0
40.0													37.3	72.4	13 900							40.0
42.0													27.2	69.3	13 100	48.7	73.4	11 200				42.0
44.0													10.5	63.4	12 400	41.0	71.4	10 600				44.0
46.0																32.0	68.7	10 000				46.0
48.0																19.7	64.6	9 400				48.0
50.0																			43.8	69.7	7 800	50.0
52.0																			35.4	67.3	7 300	52.0
																			24.6	63.8	6 900	



999 SERIES 3

Liftcrane Luffing Jib Capacities

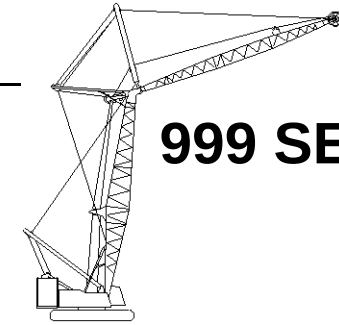
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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.	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	63.4	85.2	34 000 *b																			15.2
16.0	61.4	84.8	33 100 *b																			16.0
18.0	55.9	83.6	30 800 *b																			18.0
20.0	50.0	82.0	28 500 *	64.8	85.0	34 900 *b																20.0
22.0	43.6	80.2	26 300 *	59.5	83.9	32 500 *b																22.0
24.0	36.3	77.8	24 300 *	53.9	82.6	29 400 *	62.6	84.0	30 100 b													24.0
26.0	27.3	74.6	22 400 *	47.8	81.0	26 700 *	57.2	82.9	27 800 b													26.0
28.0				41.1	78.9	24 400 *	51.4	81.4	25 800													28.0
30.0				33.4	76.3	22 400 *	45.1	79.6	24 100													30.0
32.0				23.5	72.6	20 700 *	38.0	77.4	22 600	54.9	81.1	19 800 b										32.0
34.0							29.5	74.4	20 900 *	48.9	79.5	18 600										34.0
36.0							17.8	69.8	19 500 *	42.3	77.6	17 500										36.0
38.0										34.7	75.1	16 500	52.1	78.7	14 200							38.0
40.0										25.4	71.6	15 600	45.9	77.0	13 500							40.0
42.0													38.9	74.8	12 700							42.0
44.0													30.6	71.9	12 000	48.7	75.7	10 200				44.0
46.0													19.5	67.7	11 400	42.1	73.8	9 600				46.0
48.0																34.5	71.2	9 100				48.0
50.0																25.0	67.7	8 600				50.0
52.0																			37.3	69.7	6 600	52.0
54.0																			28.6	66.6	6 200	54.0
56.0																			16.3	61.8	5 800	56.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

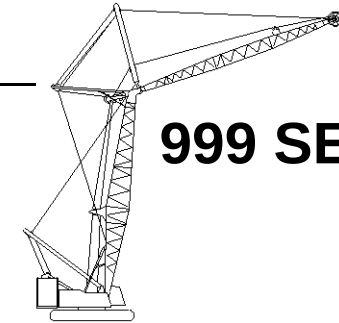
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
15.2	66.6	88.5	31 600 *b																			15.2
16.0	64.8	88.2	30 900 *b																			16.0
18.0	60.1	87.1	29 000 *b																			18.0
20.0	55.2	85.9	27 000 *	67.8	88.3	32 100 *b																20.0
22.0	49.9	84.3	25 100 *	63.2	87.4	31 800 *b																22.0
24.0	44.2	82.5	23 300 *	58.4	86.3	29 300 *																24.0
26.0	37.8	80.2	21 600 *	53.4	84.9	26 500 *	61.2	86.4	27 300 b													26.0
28.0	30.4	77.2	20 000 *	48.0	83.3	24 200 *	56.3	85.2	25 400 *													28.0
30.0	20.7	73.0	18 600 *	42.1	81.3	22 200 *	51.1	83.7	23 700 *													30.0
32.0				35.4	78.8	20 500 *	45.5	82.0	22 200 *	59.2	84.7	19 500 *										32.0
34.0				27.3	75.5	19 000 *	39.3	79.8	20 800 *	54.2	83.4	18 200 *										34.0
36.0				16.0	70.5	17 700 *	32.2	77.0	19 300 *	48.9	81.8	17 100 *										36.0
38.0							23.2	73.2	18 100 *	43.1	79.9	16 100 *										38.0
40.0										36.6	77.5	15 300 *	51.8	81.1	13 100 *							40.0
42.0										28.8	74.4	14 500 *	46.2	79.3	12 400 *							42.0
44.0										18.4	69.8	13 800 *	40.1	77.2	11 800 *							44.0
46.0													33.1	74.5	11 200 *	48.7	78.0	9 400 *				46.0
48.0													24.4	70.8	10 600 *	42.9	76.1	8 800 *				48.0
50.0													10.4	64.5	10 000 *	36.4	73.7	8 400 *				50.0
52.0																28.6	70.5	7 900 *	45.0	74.3	6 400 *	52.0
54.0																18.0	65.9	7 500 *	38.7	72.1	6 000 *	54.0
56.0																			31.5	69.2	5 700 *	56.0
58.0																			22.2	65.3	5 300 *	58.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

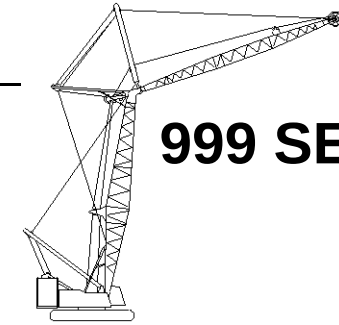
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
15.2	69.0	91.8	25 300 *b																			15.2
16.0	67.5	91.5	25 100 *b																			16.0
18.0	63.4	90.6	24 400 *																			18.0
20.0	59.1	89.5	23 800 *	70.1	91.5	25 900 *b																20.0
22.0	54.6	88.2	23 200 *	66.1	90.7	25 500 *b																22.0
24.0	49.8	86.6	21 800 *	61.9	89.8	25 100 *																24.0
26.0	44.7	84.8	20 300 *	57.5	88.6	24 700 *	64.3	89.8	25 200 *b													26.0
28.0	39.1	82.6	18 900 *	52.9	87.2	24 100 *	60.1	88.8	24 800													28.0
30.0	32.7	79.8	17 700 *	48.1	85.6	22 500 *	55.6	87.5	23 500													30.0
32.0	24.8	76.2	16 600 *	42.8	83.6	20 700 *	50.9	86.0	22 000	62.6	88.2	19 300										32.0
34.0				36.9	81.2	19 200 *	45.9	84.3	20 700	58.3	87.1	18 000										34.0
36.0				30.1	78.2	17 800 *	40.4	82.1	19 400	53.7	85.7	17 000										36.0
38.0				21.5	74.0	16 600 *	34.2	79.5	18 200 *	48.9	84.1	16 000										38.0
40.0							26.8	76.1	17 000 *	43.7	82.2	15 100	56.1	84.8	13 000							40.0
42.0							16.6	71.1	16 000 *	37.9	79.9	14 300	51.5	83.4	12 300							42.0
44.0										31.3	77.0	13 600	46.5	81.6	11 600							44.0
46.0										23.1	73.1	13 000	41.1	79.5	11 000							46.0
48.0													35.0	77.0	10 500	48.8	80.3	8 700				48.0
50.0													27.7	73.7	9 900	43.5	78.4	8 300				50.0
52.0													18.0	68.9	9 400	37.8	76.1	7 800				52.0
54.0																31.1	73.2	7 400	45.4	76.6	6 000	54.0
56.0																22.8	69.2	7 000	39.8	74.4	5 600	56.0
58.0																			33.6	71.8	5 300	58.0
60.0																			26.0	68.3	5 000	60.0
62.0																			15.3	62.9	4 700	62.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

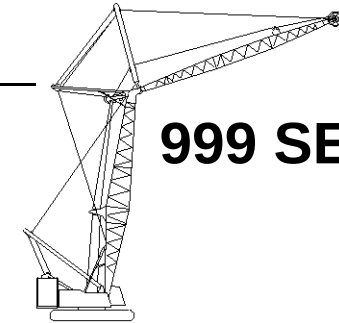
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
15.2	71.0	95.1	24 000 *b																			15.2
16.0	69.6	94.8	23 800 *b																			16.0
18.0	66.0	94.0	23 300 *																			18.0
20.0	62.1	93.0	22 800 *																			20.0
22.0	58.2	91.9	22 100 *	68.4	94.0	24 100 *b																22.0
24.0	54.1	90.5	20 800 *	64.6	93.2	23 700 *																24.0
26.0	49.8	88.9	19 400 *	60.8	92.1	23 400 *	66.8	93.2	23 700 *b													26.0
28.0	45.1	87.1	18 200 *	56.8	90.9	23 000 *	63.0	92.3	23 500 *													28.0
30.0	40.1	84.9	17 000 *	52.6	89.5	22 300 *	59.1	91.1	23 100													30.0
32.0	34.4	82.3	16 000 *	48.2	87.9	20 600 *	55.0	89.8	21 700													32.0
34.0	27.8	79.0	15 000 *	43.4	85.9	19 100 *	50.7	88.3	20 400	61.4	90.6	17 900										34.0
36.0	19.2	74.4	14 200 *	38.2	83.6	17 800 *	46.2	86.6	19 200	57.5	89.4	16 800										36.0
38.0				32.2	80.8	16 600 *	41.2	84.5	18 100	53.3	88.0	15 800										38.0
40.0				25.1	77.1	15 500 *	35.7	82.0	17 000 *	48.9	86.4	14 900										40.0
42.0				15.1	71.6	14 600 *	29.4	78.8	16 000 *	44.2	84.5	14 100	55.5	87.1	12 100							42.0
44.0							21.4	74.6	15 000 *	39.1	82.3	13 400	51.3	85.7	11 400							44.0
46.0										33.3	79.6	12 800	46.7	83.9	10 800							46.0
48.0										26.4	76.1	12 200	41.8	81.9	10 300							48.0
50.0										17.2	71.1	11 600	36.4	79.4	9 800	48.8	82.6	8 100				50.0
52.0													30.2	76.4	9 300	44.1	80.7	7 700				52.0
54.0													22.5	72.3	8 900	38.9	78.5	7 300				54.0
56.0													10.4	65.5	8 400	33.1	75.7	7 000				56.0
58.0																26.2	72.2	6 600	40.7	76.8	5 200	58.0
60.0																16.8	67.1	6 200	35.2	74.2	4 900	60.0
62.0																			28.7	71.0	4 600	62.0
64.0																			20.5	66.7	4 400	64.0



999 SERIES 3

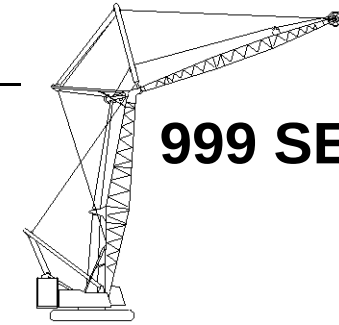
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
15.2	72.7	98.3	22 600 *b																			15.2
16.0	71.4	98.0	22 400 *b																			16.0
18.0	68.1	97.3	21 900 *																			18.0
20.0	64.6	96.4	21 500 *																			20.0
22.0	61.1	95.4	20 800 *																			22.0
24.0	57.5	94.2	19 600 *	66.9	96.5	22 200 *																24.0
26.0	53.7	92.8	18 500 *	63.4	95.6	21 900 *																26.0
28.0	49.7	91.2	17 400 *	59.9	94.5	21 500 *	65.4	95.6	21 800 *													28.0
30.0	45.4	89.4	16 300 *	56.2	93.3	20 700 *	61.9	94.6	21 700 *													30.0
32.0	40.9	87.3	15 300 *	52.3	91.8	19 900 *	58.3	93.5	21 200 *													32.0
34.0	35.8	84.8	14 400 *	48.2	90.2	18 900 *	54.5	92.2	20 000 *													34.0
36.0	30.0	81.7	13 500 *	43.9	88.2	17 500 *	50.6	90.6	18 800 *	60.5	93.0	16 400 *										36.0
38.0	23.0	77.7	12 800 *	39.1	86.0	16 400 *	46.4	88.9	17 800 *	56.8	91.8	15 400 *										38.0
40.0				33.9	83.3	15 300 *	41.9	86.8	16 800 *	53.0	90.4	14 500 *										40.0
42.0				27.8	79.9	14 300 *	37.0	84.4	15 700 *	48.9	88.7	13 800 *										42.0
44.0				20.0	75.4	13 500 *	31.4	81.4	14 800 *	44.6	86.9	13 000 *	55.0	89.5	11 100 *							44.0
46.0							24.8	77.7	13 900 *	40.0	84.7	12 400 *	51.1	88.0	10 500 *							46.0
48.0							15.7	72.3	13 200 *	34.8	82.0	11 800 *	46.9	86.2	10 000 *							48.0
50.0										28.9	78.8	11 300 *	42.5	84.2	9 500 *							50.0
52.0										21.5	74.6	10 700 *	37.6	81.8	9 000 *	48.8	84.9	7 400 *				52.0
54.0													32.1	78.9	8 600 *	44.5	83.1	7 000 *				54.0
56.0													25.6	75.3	8 200 *	39.8	80.8	6 600 *				56.0
58.0													17.0	70.2	7 800 *	34.6	78.2	6 300 *	46.0	81.2	4 900 *	58.0
60.0																28.7	75.0	6 000 *	41.5	79.1	4 600 *	60.0
62.0																21.2	70.7	5 700 *	36.5	76.7	4 400 *	62.0
64.0																9.3	63.4	5 300 *	30.8	73.7	4 100 *	64.0
66.0																			24.0	69.8	3 900 *	66.0
68.0																			14.6	64.1	3 600 *	68.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

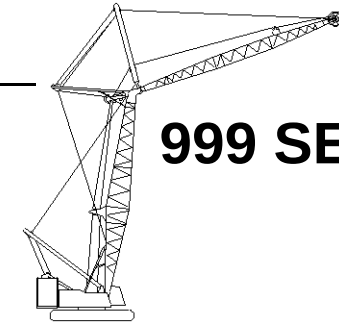
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
15.2	74.0	101.5	21 200 *b																			15.2
16.0	72.9	101.2	21 000 *b																			16.0
18.0	69.8	100.6	20 600 *																			18.0
20.0	66.7	99.8	20 200 *																			20.0
22.0	63.5	98.8	19 400 *																			22.0
24.0	60.2	97.8	18 400 *	68.7	99.8	20 700 *																24.0
26.0	56.9	96.5	17 500 *	65.6	99.0	20 400 *																26.0
28.0	53.3	95.1	16 500 *	62.4	98.0	19 800 *																28.0
30.0	49.6	93.5	15 600 *	59.1	96.9	19 000 *	64.2	98.1	20 000 *													30.0
32.0	45.7	91.7	14 700 *	55.6	95.6	18 300 *	61.0	97.0	19 400 *													32.0
34.0	41.5	89.6	13 800 *	52.1	94.1	17 500 *	57.6	95.8	18 700 *													34.0
36.0	37.0	87.2	13 000 *	48.3	92.5	16 800 *	54.1	94.5	18 000 *													36.0
38.0	31.8	84.3	12 300 *	44.3	90.5	16 100 *	50.5	92.9	17 300 *	59.6	95.3	15 100										38.0
40.0	25.8	80.6	11 600 *	40.0	88.3	15 100 *	46.6	91.2	16 500	56.2	94.1	14 200										40.0
42.0	18.1	75.7	11 100 *	35.2	85.7	14 200 *	42.5	89.1	15 500 *	52.7	92.7	13 500										42.0
44.0				29.9	82.6	13 300 *	38.0	86.8	14 600 *	48.9	91.0	12 800										44.0
46.0				23.4	78.6	12 500 *	33.0	84.0	13 800 *	45.0	89.2	12 100	54.5	91.8	10 200							46.0
48.0				14.5	72.8	11 900 *	27.3	80.5	13 000 *	40.7	87.0	11 500	50.9	90.3	9 700							48.0
50.0							20.1	76.0	12 300 *	36.1	84.5	11 000	47.1	88.5	9 200							50.0
52.0										30.8	81.5	10 500	43.0	86.5	8 700	52.6	88.9	7 100				52.0
54.0										24.6	77.6	10 000	38.6	84.2	8 300	48.8	87.2	6 700				54.0
56.0										16.3	72.3	9 600	33.7	81.5	7 900	44.9	85.4	6 400				56.0
58.0													28.0	78.1	7 600	40.6	83.2	6 100				58.0
60.0													21.0	73.7	7 200	35.9	80.7	5 800	46.2	83.5	4 400	60.0
62.0													10.3	66.6	6 800	30.6	77.6	5 500	42.1	81.5	4 100	62.0
64.0																24.4	73.8	5 200	37.6	79.1	3 900	64.0
66.0																16.0	68.3	4 900	32.5	76.2	3 700	66.0
68.0																			26.7	72.7	3 500	68.0
70.0																			19.3	68.0	3 300	70.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

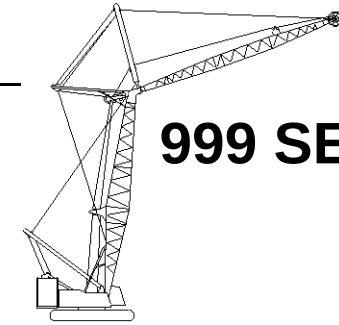
Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	75.2	104.6	19 800 *b																			15.2
16.0	74.1	104.4	19 700 *b																			16.0
18.0	71.3	103.8	19 300 *																			18.0
20.0	68.5	103.1	18 600 *																			20.0
22.0	65.5	102.2	17 900 *																			22.0
24.0	62.6	101.2	17 200 *																			24.0
26.0	59.5	100.1	16 400 *	67.4	102.3	18 800 *																26.0
28.0	56.3	98.9	15 600 *	64.5	101.4	18 100 *																28.0
30.0	53.0	97.5	14 800 *	61.5	100.4	17 400 *	66.2	101.4	18 300 *													30.0
32.0	49.6	95.8	14 000 *	58.4	99.2	16 600 *	63.2	100.5	17 700 *													32.0
34.0	46.0	94.0	13 200 *	55.2	97.9	15 900 *	60.2	99.4	17 100 *													34.0
36.0	42.1	92.0	12 500 *	51.8	96.4	15 200 *	57.0	98.2	16 400 *													36.0
38.0	37.9	89.6	11 800 *	48.3	94.8	14 500 *	53.8	96.8	15 700 *													38.0
40.0	33.3	86.8	11 200 *	44.6	92.9	13 800 *	50.4	95.2	15 000 *	58.9	97.7	13 900										40.0
42.0	28.0	83.4	10 600 *	40.7	90.7	13 200 *	46.8	93.5	14 400 *	55.7	96.4	13 100										42.0
44.0	21.6	79.1	10 100 *	36.4	88.2	12 600 *	43.0	91.5	13 700 *	52.4	95.0	12 400										44.0
46.0				31.5	85.2	12 000 *	38.9	89.2	13 100 *	48.9	93.3	11 700	57.4	95.5	9 900							46.0
48.0				26.0	81.6	11 500 *	34.4	86.5	12 500 *	45.3	91.5	11 200	54.2	94.1	9 300							48.0
50.0				18.9	76.7	11 000 *	29.3	83.3	12 000 *	41.3	89.4	10 600	50.8	92.6	8 800							50.0
52.0							23.2	79.2	11 400 *	37.1	86.9	10 100	47.2	90.8	8 300							52.0
54.0							15.0	73.4	10 800 *	32.4	84.0	9 600	43.4	88.9	7 900							54.0
56.0										27.0	80.5	9 200	39.4	86.6	7 600	48.8	89.5	6 000				56.0
58.0										20.2	75.9	8 800	34.9	83.9	7 200	45.2	87.7	5 700				58.0
60.0													29.9	80.8	6 900	41.2	85.5	5 400				60.0
62.0													24.0	76.9	6 500	37.0	83.1	5 100				62.0
64.0													16.2	71.4	6 300	32.2	80.2	4 900	42.6	83.8	3 600	64.0
66.0																26.8	76.7	4 600	38.5	81.5	3 400	66.0
68.0																20.0	72.0	4 400	33.9	78.7	3 200	68.0
70.0																9.5	64.4	4 200	28.8	75.5	3 000	70.0
72.0																			22.6	71.3	2 800	72.0



999 SERIES 3

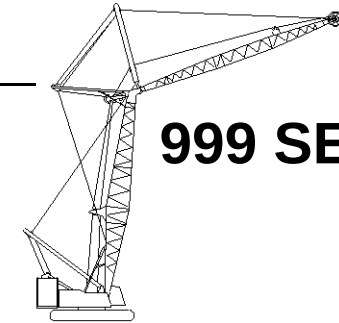
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 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	
16.8	74.2	107.4	18 000 *																			16.8
18.0	72.6	107.0	17 700 *																			18.0
20.0	70.0	106.3	17 100 *																			20.0
22.0	67.3	105.5	16 500 *																			22.0
24.0	64.5	104.6	15 900 *																			24.0
26.0	61.7	103.6	15 300 *	69.0	105.6	17 300 *																26.0
28.0	58.8	102.5	14 600 *	66.3	104.8	16 600 *																28.0
30.0	55.9	101.2	13 900 *	63.5	103.8	16 000 *																30.0
32.0	52.8	99.8	13 200 *	60.7	102.8	15 300 *	65.1	103.9	16 200 *													32.0
34.0	49.5	98.1	12 500 *	57.8	101.6	14 600 *	62.4	102.9	15 600 *													34.0
36.0	46.2	96.3	11 900 *	54.8	100.2	13 900 *	59.5	101.8	15 000 *													36.0
38.0	42.6	94.3	11 300 *	51.7	98.7	13 200 *	56.5	100.5	14 400 *													38.0
40.0	38.7	92.0	10 700 *	48.4	97.1	12 600 *	53.5	99.1	13 700 *	61.2	101.2	13 700										40.0
42.0	34.5	89.3	10 200 *	44.9	95.2	12 000 *	50.3	97.5	13 100 *	58.3	100.1	12 900										42.0
44.0	29.8	86.1	9 700 *	41.3	93.0	11 300 *	46.9	95.8	12 400 *	55.3	98.7	12 200										44.0
46.0	24.3	82.2	9 200 *	37.3	90.6	10 800 *	43.4	93.8	11 800 *	52.2	97.3	11 600										46.0
48.0	17.3	76.9	8 800 *	32.9	87.7	10 200 *	39.6	91.5	11 200 *	48.9	95.6	11 000	56.9	97.8	9 200							48.0
50.0				28.0	84.3	9 700 *	35.5	88.9	10 600 *	45.5	93.8	10 400	53.8	96.4	8 700							50.0
52.0				22.1	80.1	9 300 *	30.9	85.9	10 100 *	41.9	91.7	9 900	50.7	94.9	8 200							52.0
54.0				14.0	73.9	8 900 *	25.6	82.2	9 600 *	38.0	89.3	9 500	47.3	93.1	7 800							54.0
56.0							19.1	77.3	9 200 *	33.7	86.5	9 100	43.8	91.2	7 400							56.0
58.0										28.9	83.2	8 600	40.1	88.9	7 100	48.8	91.8	5 600				58.0
60.0										23.2	79.1	8 300	36.0	86.4	6 700	45.4	90.0	5 300				60.0
62.0										15.6	73.5	8 000	31.5	83.4	6 400	41.8	87.9	5 000				62.0
64.0													26.3	79.8	6 100	37.9	85.5	4 700	46.6	88.1	3 400	64.0
66.0													19.9	75.1	5 900	33.6	82.7	4 500	43.1	86.1	3 200	66.0
68.0													10.3	67.7	5 600	28.7	79.4	4 300	39.3	83.8	3 000	68.0
70.0																23.0	75.3	4 100	35.1	81.2	2 900	70.0
72.0																15.3	69.5	3 900	30.5	78.1	2 700	72.0
76.0																			18.3	69.3	2 400	76.0



999 SERIES 3

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

61.0m (200 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

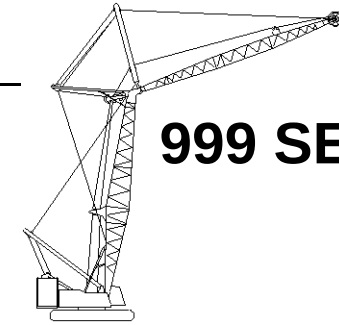
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.2	110.5	16 300 *																			16.8
18.0	73.7	110.2	16 100 *																			18.0
20.0	71.3	109.5	15 600 *																			20.0
22.0	68.8	108.8	15 200 *																			22.0
24.0	66.2	108.0	14 600 *																			24.0
26.0	63.6	107.1	13 900 *	70.4	108.8	15 500 *																26.0
28.0	61.0	106.0	13 300 *	67.9	108.1	15 200 *																28.0
30.0	58.2	104.8	12 600 *	65.3	107.2	14 500 *																30.0
32.0	55.4	103.5	11 900 *	62.7	106.2	13 900 *	66.8	107.2	14 600 *													32.0
34.0	52.5	102.1	11 200 *	60.0	105.1	13 200 *	64.2	106.3	14 200 *													34.0
36.0	49.5	100.4	10 600 *	57.3	103.9	12 500 *	61.6	105.3	13 500 *													36.0
38.0	46.3	98.6	10 000 *	54.4	102.6	11 900 *	58.9	104.1	13 000 *													38.0
40.0	43.0	96.6	9 500 *	51.5	101.0	11 300 *	56.1	102.8	12 300 *													40.0
42.0	39.4	94.3	8 900 *	48.4	99.4	10 600 *	53.2	101.4	11 700 *	60.5	103.6	12 500										42.0
44.0	35.6	91.7	8 400 *	45.2	97.5	10 000 *	50.2	99.8	11 100 *	57.7	102.4	11 900										44.0
46.0	31.3	88.7	7 900 *	41.8	95.4	9 400 *	47.1	98.1	10 400 *	54.9	101.1	11 200										46.0
48.0	26.4	85.1	7 500 *	38.1	93.0	8 900 *	43.8	96.1	9 900 *	52.0	99.6	10 600										48.0
50.0	20.6	80.5	7 100 *	34.1	90.2	8 400 *	40.3	93.9	9 300 *	48.9	97.9	10 100										50.0
52.0				29.7	87.0	7 900 *	36.5	91.4	8 800 *	45.7	96.1	9 600	53.5	98.7	7 800							52.0
54.0				24.5	83.1	7 500 *	32.3	88.4	8 300 *	42.4	94.0	9 100	50.6	97.2	7 400							54.0
56.0				18.1	78.0	7 100 *	27.6	85.0	7 800 *	38.7	91.7	8 700	47.4	95.4	7 100							56.0
58.0							22.0	80.6	7 400 *	34.8	89.0	8 300	44.2	93.5	6 700	51.9	95.8	5 200				58.0
60.0							14.5	74.6	7 000 *	30.5	85.9	8 000	40.7	91.3	6 400	48.8	94.1	4 900				60.0
62.0										25.4	82.1	7 600	36.9	88.8	6 100	45.6	92.3	4 600				62.0
64.0										19.3	77.3	7 300	32.8	85.9	5 800	42.3	90.2	4 400				64.0
66.0													28.2	82.5	5 500	38.6	87.9	4 200	46.8	90.4	2 900	66.0
68.0													22.7	78.3	5 300	34.7	85.2	3 900	43.5	88.5	2 700	68.0
70.0													15.6	72.6	5 100	30.3	82.0	3 700	39.9	86.2	2 500	70.0
72.0																25.3	78.3	3 500	36.1	83.6	2 400	72.0
76.0																9.6	65.5	3 200	27.1	77.1	2 000	76.0
80.0																			13.6	66.4	1 800	80.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 3

61.0m (200 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	
18.3	74.4	113.3	14 600 *																			18.3
20.0	72.4	112.8	14 300 *																			20.0
22.0	70.1	112.1	13 900 *																			22.0
24.0	67.7	111.3	13 500 *																			24.0
26.0	65.3	110.4	12 800 *																			26.0
28.0	62.8	109.5	12 100 *	69.2	111.3	13 600 *																28.0
30.0	60.3	108.4	11 500 *	66.9	110.5	13 300 *																30.0
32.0	57.7	107.2	10 800 *	64.4	109.6	12 700 *																32.0
34.0	55.1	105.8	10 200 *	61.9	108.6	12 100 *	65.8	109.6	12 700 *													34.0
36.0	52.3	104.4	9 600 *	59.4	107.5	11 400 *	63.4	108.7	12 400 *													36.0
38.0	49.5	102.7	9 100 *	56.8	106.2	10 800 *	60.9	107.6	11 800 *													38.0
40.0	46.5	100.9	8 500 *	54.1	104.9	10 200 *	58.3	106.5	11 200 *													40.0
42.0	43.4	98.9	8 000 *	51.3	103.3	9 600 *	55.7	105.2	10 600 *													42.0
44.0	40.1	96.7	7 400 *	48.5	101.7	9 000 *	53.0	103.7	10 000 *	59.8	106.0	11 300 *										44.0
46.0	36.5	94.2	7 000 *	45.4	99.8	8 400 *	50.1	102.1	9 400 *	57.2	104.7	10 800 *										46.0
48.0	32.6	91.3	6 500 *	42.2	97.7	7 900 *	47.2	100.4	8 800 *	54.6	103.4	10 300 *										48.0
50.0	28.2	87.8	6 100 *	38.8	95.4	7 400 *	44.1	98.4	8 300 *	51.8	101.9	9 800 *										50.0
52.0	23.1	83.7	5 700 *	35.2	92.7	7 000 *	40.8	96.2	7 800 *	48.9	100.2	9 200 *	56.0	102.5	7 600							52.0
54.0	16.6	78.1	5 200 *	31.1	89.6	6 500 *	37.3	93.8	7 300 *	45.9	98.4	8 700 *	53.3	101.0	7 200							54.0
56.0				26.5	86.0	6 100 *	33.5	91.0	6 800 *	42.8	96.4	8 200 *	50.5	99.5	6 800							56.0
58.0				21.0	81.5	5 600 *	29.2	87.7	6 400 *	39.4	94.1	7 600 *	47.5	97.7	6 500							58.0
60.0				13.6	75.1	5 100 *	24.3	83.7	6 000 *	35.8	91.5	7 200 *	44.5	95.8	6 100	51.7	98.1	4 700				60.0
62.0							18.2	78.6	5 400 *	31.8	88.5	6 700 *	41.2	93.6	5 800	48.9	96.4	4 400				62.0
64.0							8.7	70.2	4 900 *	27.3	84.9	6 300 *	37.7	91.2	5 500	45.9	94.6	4 200				64.0
66.0										22.0	80.6	5 800 *	34.0	88.4	5 300	42.7	92.5	3 900				66.0
68.0										15.1	74.6	5 300 *	29.8	85.2	5 000	39.3	90.2	3 700				68.0
70.0													24.9	81.4	4 800	35.7	87.6	3 500	43.8	90.8	2 300	70.0
72.0													19.0	76.4	4 600	31.7	84.6	3 300	40.5	88.6	2 100	72.0
76.0																21.9	76.7	3 000	33.1	83.2	1 800	76.0