

999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	

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.

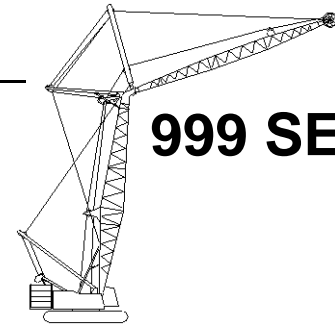
LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

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, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Consult chart **No. 8245-AM** for lifting off lower boom point with luffing jib attached. Chart **No. 8245-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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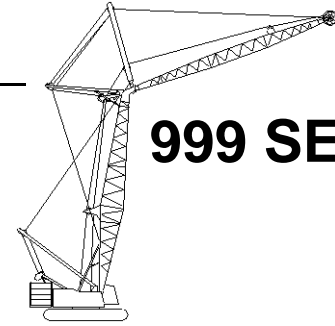
Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

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	40 300 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	35 700	54.0	39.5	34 600 b							22.0
24.0				25.9	32.9	28 700 *	32.0	34.7	31 100 *	40.2	36.7	32 000	47.1	37.9	30 900							24.0
26.0										31.0	33.9	28 900	39.2	35.8	27 900	45.9	36.8	27 000				26.0
28.0										18.0	29.5	25 500	29.7	32.8	25 500	37.9	34.6	24 600	44.5	35.6	23 800	28.0
30.0													15.8	28.1	23 300	28.0	31.5	22 500	36.2	33.2	21 800	30.0
32.0																12.4	26.1	20 700	25.8	29.9	20 000	32.0

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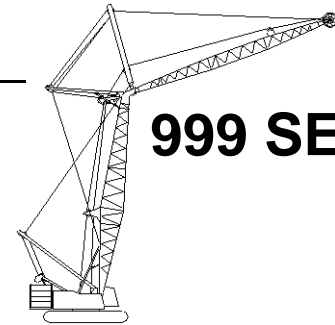
Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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																			12.2
14.0	63.1	45.5	40 600 *b	67.8	46.1	44 300 *b																14.0
16.0	57.7	44.4	38 700 *b	62.7	45.2	41 400 *b	65.5	45.5	43 000 *b													16.0
18.0	51.9	42.9	36 300 *	57.2	44.1	38 900 *	60.3	44.5	40 400 *b													18.0
20.0	45.6	41.2	33 400 *	51.5	42.6	36 600 *	54.7	43.2	38 000 *	59.7	44.0	39 900 b										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	35 500										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	31 800	53.4	41.9	30 700							24.0
26.0				29.6	35.6	25 800 *	34.5	37.2	27 600 *	41.4	39.0	28 700	47.3	40.2	27 700	52.5	40.9	26 800				26.0
28.0				18.0	31.1	21 800 *	25.0	33.7	24 500 *	33.7	36.4	26 200	40.5	38.1	25 300	46.3	39.1	24 300				28.0
30.0										23.9	32.8	24 000	32.6	35.4	23 100	39.4	37.0	22 300				30.0
32.0										5.0	25.0	19 000	22.5	31.6	21 300	31.3	34.2	20 500	38.0	35.6	19 800	32.0
34.0																20.5	30.1	19 000	29.5	32.6	18 400	34.0
36.0																			17.8	28.1	17 000	36.0

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Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

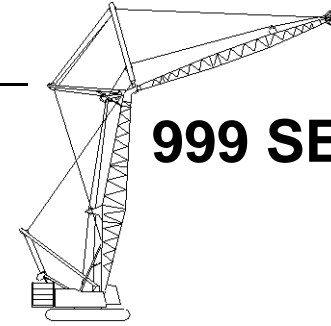
21.3m (70 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.3	49.6	37 800 *b																			12.2
14.0	66.3	48.9	35 600 *b																			14.0
16.0	61.6	47.9	34 100 *	65.9	48.6	36 400 *b																16.0
18.0	56.7	46.7	32 000 *	61.2	47.6	34 300 *	63.8	48.0	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	31 600										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	28 700	52.9	44.2	27 700							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	26 200	47.5	42.5	25 200							28.0
30.0				23.3	34.4	21 000 *	28.6	36.5	22 400 *	35.6	38.9	24 000	41.5	40.5	23 100	46.6	41.4	22 300				30.0
32.0				7.5	27.2	15 700 *	18.0	31.8	20 000 *	27.7	35.6	22 100	34.8	37.9	21 300	40.6	39.3	20 500	45.5	40.2	19 800	32.0
34.0										16.6	30.7	19 600 *	26.6	34.5	19 700	33.6	36.7	19 000	39.3	38.0	18 300	34.0
36.0													14.7	29.2	18 300	25.1	33.2	17 600	32.2	35.2	17 000	36.0
38.0																12.0	27.2	16 500	23.2	31.4	15 800	38.0

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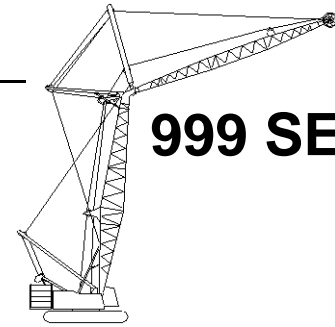
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83 730 kg Crane Counterweight
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Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib

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	27 500							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	26 100	52.5	46.5	25 100							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	23 800	47.6	44.8	22 900							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	21 900	42.3	42.8	21 100	46.9	43.8	20 300				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	19 500	41.5	41.7	18 800	45.9	42.5	18 100	34.0
36.0										21.8	34.2	18 300 *	29.5	37.3	18 100	35.4	39.2	17 400	40.4	40.3	16 800	36.0
38.0										6.4	26.3	14 900 *	20.6	33.0	16 900	28.3	36.0	16 200	34.2	37.7	15 600	38.0
40.0																18.9	31.4	15 200	26.8	34.3	14 600	40.0
42.0																			16.6	29.3	13 700	42.0



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 83 730 kg Crane Counterweight
 19 960 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

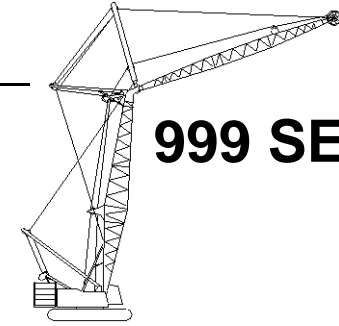
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m	
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
12.2	74.0	56.0	33 400 *b																			12.2	
14.0	70.8	55.4	32 300 *b																			14.0	
16.0	67.1	54.6	30 500 *																			16.0	
18.0	63.3	53.7	28 700 *	66.8	54.4	30 600 *																18.0	
20.0	59.4	52.6	27 100 *	63.1	53.4	28 900 *	65.1	53.8	29 800 *													20.0	
22.0	55.4	51.4	25 600 *	59.1	52.3	27 300 *	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	25 000								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	23 700	52.2	48.8	22 800								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	21 900	47.8	47.1	21 000	51.6	47.8	20 300					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	19 500	47.1	46.1	18 700					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	18 100	42.2	44.0	17 400					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	16 900	36.8	41.6	16 200	41.2	42.7	15 600		38.0
40.0										15.6	31.9	15 000 *	24.4	36.1	15 800	30.7	38.6	15 100	35.7	40.2	14 600		40.0
42.0													14.0	30.4	14 600	23.1	34.7	14 200	29.4	37.0	13 600		42.0
44.0																11.6	28.3	13 400	21.4	32.8	12 800		44.0



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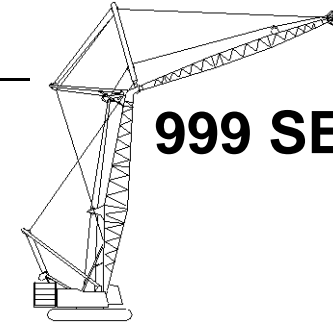
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



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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	22 600							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	20 800							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	19 300	51.4	50.1	18 500				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	17 900	47.2	48.4	17 200				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	16 700	42.8	46.4	16 000				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	15 600	38.0	44.0	15 000	41.9	45.0	14 300	40.0
42.0										20.4	35.6	14 200 *	27.2	39.0	14 600	32.5	41.2	14 000	37.0	42.6	13 400	42.0
44.0										7.2	27.4	11 400 *	19.2	34.3	13 700	26.1	37.6	13 100	31.4	39.7	12 600	44.0
46.0																17.7	32.6	12 400	24.8	35.9	11 900	46.0
48.0																			15.7	30.5	11 200	48.0



999 SERIES 2

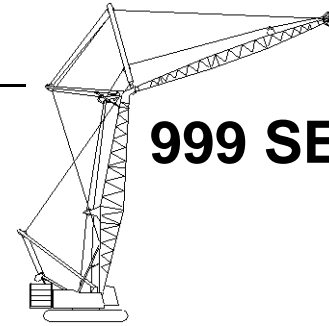
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.2	61.9	25 600 *																			13.7
14.0	73.8	61.8	25 400 *																			14.0
16.0	70.8	61.2	24 000 *																			16.0
18.0	67.7	60.4	22 700 *																			18.0
20.0	64.5	59.5	21 400 *	67.5	60.1	22 700 *																20.0
22.0	61.3	58.5	20 300 *	64.3	59.3	21 500 *	66.0	59.6	22 100 *													22.0
24.0	57.9	57.3	19 200 *	61.0	58.2	20 300 *	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	17 100				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	16 000				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	15 000	46.6	49.4	14 300	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	14 500	38.9	46.4	14 000	42.5	47.4	13 400	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	13 700	34.0	43.7	13 100	38.0	45.0	12 600	44.0
46.0										14.9	33.1	12 100 *	22.8	37.6	12 900	28.5	40.4	12 400	33.0	42.2	11 800	46.0
48.0													13.5	31.5	12 000	21.6	36.1	11 700	27.3	38.8	11 100	48.0
50.0																11.4	29.4	11 000	20.1	34.2	10 500	50.0



999 SERIES 2

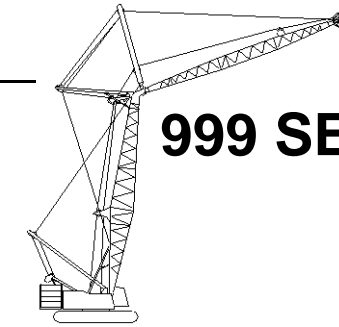
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	12 400	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	12 100	38.9	47.4	11 600	46.0
48.0										19.2	36.9	10 800 *	25.4	40.6	11 200 *	30.3	43.0	11 400	34.4	44.7	10 900	48.0
50.0										7.7	28.6	9 200 *	18.2	35.6	10 800 *	24.5	39.2	10 800	29.3	41.5	10 300	50.0
52.0																16.9	33.9	10 200	23.2	37.4	9 700	52.0
54.0																			15.0	31.7	9 200	54.0



999 SERIES 2

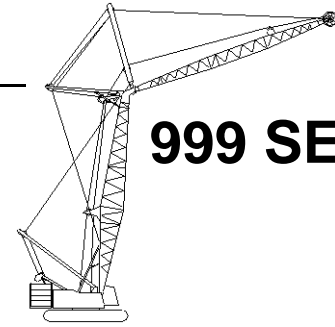
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.4	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	10 200	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	9 200	54.0
56.0																11.3	30.4	8 600 *	19.1	35.5	8 700	56.0



999 SERIES 2

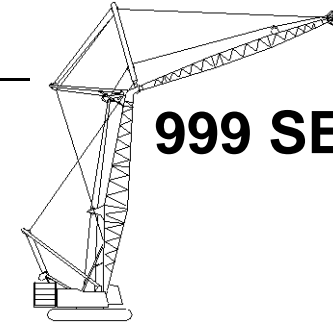
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

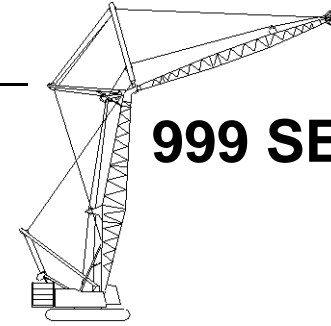
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	73.7	17 100 *																			16.8
18.0	73.1	73.3	16 500 *																			18.0
20.0	70.8	72.7	15 500 *																			20.0
22.0	68.4	71.9	14 600 *																			22.0
24.0	66.0	71.1	13 700 *	68.3	71.7	14 500 *																24.0
26.0	63.6	70.2	12 800 *	65.9	70.8	13 700 *	67.2	71.1	14 100 *													26.0
28.0	61.1	69.1	12 000 *	63.4	69.9	12 800 *	64.8	70.2	13 200 *													28.0
30.0	58.5	68.0	11 200 *	60.9	68.8	12 000 *	62.3	69.2	12 400 *													30.0
32.0	55.9	66.7	10 500 *	58.3	67.7	11 200 *	59.8	68.1	11 700 *	62.0	68.7	12 200 *										32.0
34.0	53.2	65.2	9 800 *	55.7	66.4	10 500 *	57.2	66.9	10 900 *	59.5	67.5	11 500 *										34.0
36.0	50.4	63.7	9 100 *	53.0	64.9	9 800 *	54.5	65.5	10 200 *	56.9	66.3	10 800 *										36.0
38.0	47.4	61.9	8 600 *	50.2	63.3	9 100 *	51.7	64.0	9 600 *	54.2	64.9	10 100 *										38.0
40.0	44.4	60.0	8 000 *	47.2	61.6	8 500 *	48.9	62.4	8 900 *	51.5	63.4	9 500 *	53.9	64.1	10 000 *							40.0
42.0	41.1	57.8	7 400 *	44.1	59.6	8 000 *	45.8	60.5	8 300 *	48.6	61.7	8 900 *	51.1	62.6	9 400 *							42.0
44.0	37.6	55.4	6 900 *	40.8	57.4	7 400 *	42.7	58.5	7 800 *	45.5	59.9	8 300 *	48.2	60.9	8 800 *	50.7	61.6	9 200 *				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



999 SERIES 2



Liftcrane Luffing Jib Capacities

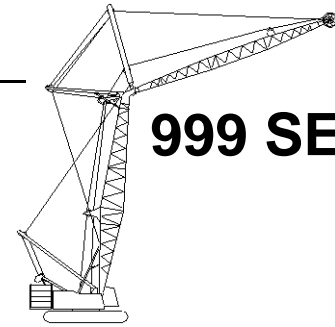
Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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	41 400	57.4	43.8	39 700 b										20.0
22.0	27.4	36.6	29 300 *	38.0	39.7	34 200 *	43.1	40.9	36 600	50.7	42.4	35 200 b										22.0
24.0	11.1	30.9	21 000 *	28.1	36.6	29 900 *	34.6	38.5	32 500	43.4	40.5	31 500	50.8	41.7	30 300							24.0
26.0							23.5	34.9	28 600 *	34.9	38.0	28 500	43.4	39.8	27 300	50.6	40.8	26 200				26.0
28.0										23.9	34.5	25 900	34.9	37.4	24 900	43.2	38.9	23 900				28.0
30.0										24.0	33.8	22 800	24.0	33.8	22 800	34.7	36.4	21 800	42.7	37.7	21 000	30.0
32.0																23.6	32.8	20 100	34.0	35.2	19 300	32.0
34.0																22.7	31.5	17 800	22.7	31.5	17 800	34.0

REFERENCE ONLY!



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

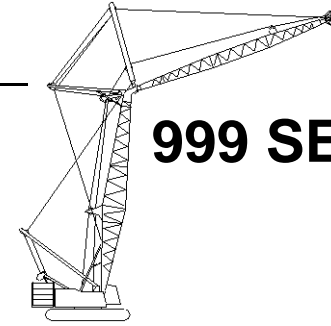
24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.0	49.4	43 100 *b																			12.2
14.0	63.3	48.6	40 600 *b																			14.0
16.0	57.9	47.5	38 800 *b	63.6	48.4	41 900 *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	38 900 b										20.0
22.0	39.0	42.2	29 700 *	46.4	44.2	34 500 *	50.3	45.1	36 200	56.4	46.1	35 000										22.0
24.0	30.8	39.3	26 300 *	39.5	42.1	30 100 *	43.9	43.3	32 600	50.5	44.7	31 300										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	28 300	50.6	44.0	27 100							26.0
28.0				20.6	35.2	23 300 *	27.8	37.7	25 500 *	36.9	40.5	25 800	44.2	42.1	24 700	50.4	43.1	23 700				28.0
30.0							14.9	32.6	21 800 *	28.1	37.3	23 600	36.9	39.8	22 600	44.0	41.2	21 600				30.0
32.0										15.5	32.3	21 700	28.2	36.7	20 800	36.7	38.8	19 900	43.5	40.0	19 000	32.0
34.0																27.9	35.7	18 400	36.1	37.6	17 600	34.0
36.0																15.0	30.6	17 100	27.2	34.4	16 300	36.0
38.0																			13.7	29.0	15 200	38.0

REFER TO EN 13000!



999 SERIES 2



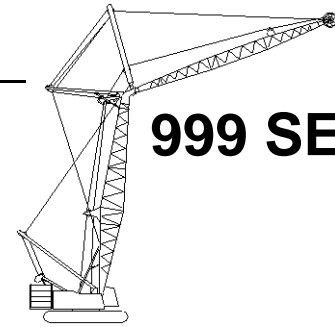
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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 Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.6	52.7	37 700 *b																			12.2
14.0	66.5	52.0	35 600 *b																			14.0
16.0	61.9	51.0	34 100 *b	66.8	51.8	36 700 *b																16.0
18.0	57.0	49.8	32 100 *	62.1	50.8	34 600 *	65.1	51.2	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	31 400										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	28 300	55.6	47.8	27 100							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	25 800	50.4	46.3	24 700							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	23 600	44.7	44.4	22 600	50.2	45.4	21 600				30.0
32.0				12.1	32.3	18 200 *	21.3	36.3	21 000 *	31.0	40.0	21 700	38.4	42.2	20 800	44.5	43.5	19 900				32.0
34.0										21.6	35.9	20 100	31.1	39.3	19 200	38.2	41.2	18 400	44.1	42.3	17 600	34.0
36.0													21.7	35.3	17 900	30.9	38.3	17 100	37.8	40.0	16 300	36.0
38.0																21.4	34.3	15 900	30.3	37.1	15 200	38.0
40.0																			20.5	32.9	14 200	40.0



999 SERIES 2

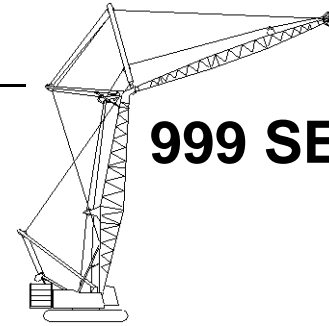
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	72.6	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	28 100										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	25 500	55.0	50.1	24 500							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	23 400	50.2	48.6	22 400							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	21 500	45.2	46.8	20 600	50.1	47.7	19 700				32.0
34.0				19.0	36.5	17 700 *	25.3	39.4	19 100 *	33.2	42.5	20 000	39.6	44.6	19 100	45.0	45.8	18 200				34.0
36.0							14.1	33.8	16 800 *	25.5	39.0	18 500	33.2	41.8	17 700	39.4	43.6	16 900	44.6	44.6	16 100	36.0
38.0										14.5	33.5	17 300	25.6	38.3	16 500	33.0	40.9	15 700	39.0	42.4	15 000	38.0
40.0																25.3	37.3	14 700	32.6	39.6	14 000	40.0
42.0																14.2	31.7	13 800	24.7	36.0	13 100	42.0
44.0																			13.1	30.1	12 300	44.0



999 SERIES 2

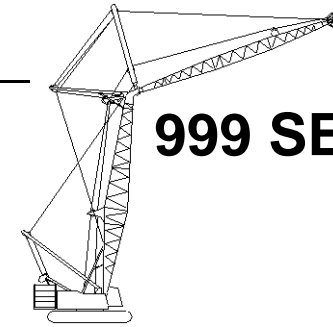
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	25 500 *										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	23 300 *	54.5	52.4	22 300 *							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	21 500 *	50.1	50.9	20 500 *							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	19 900 *	45.5	49.1	19 000 *	50.0	50.0	18 100 *				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	18 500 *	40.5	46.9	17 600 *	45.4	48.1	16 800 *				36.0
38.0				11.8	33.4	13 400 *	19.7	37.7	16 000 *	28.4	41.8	17 200 *	34.9	44.3	16 400 *	40.4	46.0	15 700 *				38.0
40.0										20.0	37.3	16 100 *	28.4	41.1	15 400 *	34.7	43.4	14 600 *	40.0	44.8	13 900 *	40.0
42.0													20.1	36.6	14 400 *	28.2	40.1	13 700 *	34.3	42.1	13 100 *	42.0
44.0																19.8	35.6	12 900 *	27.7	38.8	12 300 *	44.0
46.0																			19.1	34.2	11 500 *	46.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

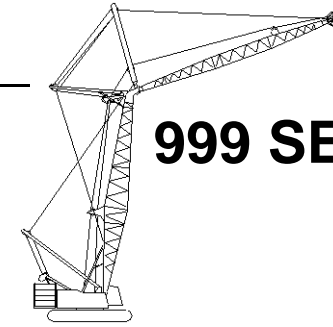
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.5	62.2	30 800 *b																			12.2
14.0	72.6	61.7	29 800 *b																			14.0
16.0	69.3	61.0	28 100 *																			16.0
18.0	65.9	60.2	26 600 *																			18.0
20.0	62.4	59.2	25 100 *	66.1	60.0	26 900 *																20.0
22.0	58.8	58.1	23 800 *	62.6	59.1	25 500 *	64.8	59.5	26 400 *													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	20 300							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	19 700	50.0	53.2	18 800							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	18 300	45.8	51.4	17 400	49.9	52.3	16 600				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	17 000	41.3	49.3	16 200	45.7	50.4	15 400				38.0
40.0				17.8	37.8	13 700 *	23.4	40.9	14 700 *	30.5	44.4	15 900	36.3	46.8	15 100	41.1	48.3	14 400	45.4	49.3	13 700	40.0
42.0							13.5	34.9	12 900 *	23.7	40.5	14 800 *	30.6	43.7	14 200	36.1	45.8	13 500	40.8	47.1	12 800	42.0
44.0										13.9	34.6	13 600 *	23.7	39.8	13 400	30.4	42.8	12 700	35.7	44.6	12 000	44.0
46.0																23.5	38.8	11 900	30.0	41.5	11 300	46.0
48.0																13.6	32.9	11 300	22.9	37.5	10 700	48.0
50.0																			12.6	31.2	10 100	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

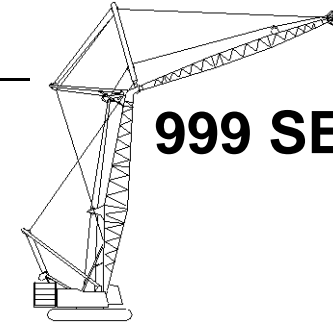
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	16 200 *	49.8	54.6	15 400				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	15 200 *	46.0	52.7	14 400				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	14 200 *	41.8	50.7	13 500	45.7	51.6	12 800	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	13 300 *	37.2	48.2	12 700	41.5	49.5	12 000	44.0
46.0										18.8	38.6	12 800 *	26.4	42.8	12 500 *	32.1	45.4	11 900	36.9	47.0	11 300	46.0
48.0													18.9	38.0	11 800	26.2	41.8	11 200	31.8	44.1	10 600	48.0
50.0																18.6	36.9	10 600	25.7	40.4	10 000	50.0
52.0																			18.0	35.5	9 500	52.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	68.1	23 600 *																			13.7
14.0	75.1	68.1	23 400 *																			14.0
16.0	72.3	67.5	22 100 *																			16.0
18.0	69.5	66.8	20 900 *																			18.0
20.0	66.6	66.0	19 800 *	69.7	66.6	21 100 *																20.0
22.0	63.7	65.0	18 700 *	66.8	65.8	20 000 *																22.0
24.0	60.6	64.0	17 600 *	63.8	64.9	18 900 *	65.7	65.2	19 500 *													24.0
26.0	57.5	62.8	16 600 *	60.8	63.8	17 800 *	62.7	64.3	18 500 *													26.0
28.0	54.2	61.4	15 800 *	57.7	62.6	16 900 *	59.6	63.2	17 500 *													28.0
30.0	50.9	59.9	14 900 *	54.4	61.3	15 900 *	56.5	61.9	16 600 *	59.7	62.7	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	14 200				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	13 300				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	12 500				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	11 700	42.0	51.8	11 100	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	11 000	37.9	49.4	10 400	48.0
50.0										13.4	35.8	10 600 *	22.3	41.3	11 000	28.4	44.5	10 400	33.2	46.6	9 800	50.0
52.0																22.1	40.3	9 800	28.0	43.2	9 300	52.0
54.0																13.2	34.0	9 300	21.5	38.9	8 800	54.0
56.0																			12.3	32.3	8 300	56.0

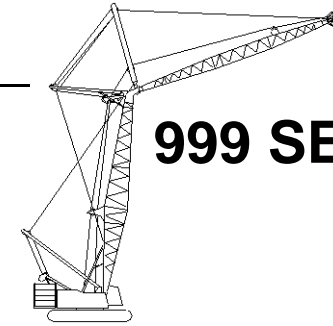


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

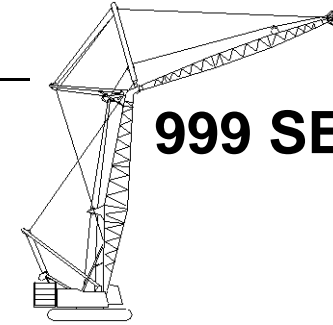
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	11 000	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	10 300	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	9 700	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	9 200	52.0
54.0													18.0	39.2	8 800 *	24.7	43.3	9 200 *	29.8	45.9	8 700	54.0
56.0																17.7	38.2	8 800	24.2	42.0	8 200	56.0
58.0																			17.1	36.7	7 800	58.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

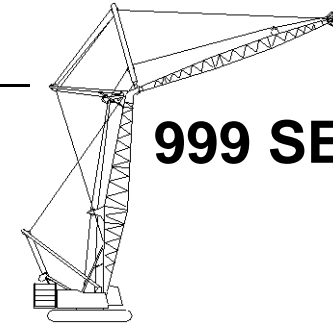
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	74.0	19 300 *																			15.2
16.0	74.6	73.8	18 900 *																			16.0
18.0	72.2	73.2	17 800 *																			18.0
20.0	69.7	72.5	16 800 *																			20.0
22.0	67.1	71.7	15 800 *	69.8	72.4	16 900 *																22.0
24.0	64.6	70.8	14 900 *	67.3	71.6	15 900 *																24.0
26.0	61.9	69.8	14 000 *	64.7	70.7	15 000 *	66.3	71.0	15 500 *													26.0
28.0	59.2	68.7	13 100 *	62.1	69.7	14 100 *	63.8	70.1	14 600 *													28.0
30.0	56.5	67.5	12 300 *	59.4	68.6	13 300 *	61.1	69.0	13 800 *													30.0
32.0	53.6	66.1	11 600 *	56.6	67.3	12 400 *	58.4	67.9	13 000 *	61.2	68.6	13 700 *										32.0
34.0	50.6	64.5	10 800 *	53.8	65.9	11 700 *	55.6	66.6	12 200 *	58.5	67.4	12 900 *										34.0
36.0	47.5	62.8	10 200 *	50.8	64.4	11 000 *	52.7	65.1	11 400 *	55.7	66.1	12 200 *										36.0
38.0	44.2	60.8	9 500 *	47.7	62.6	10 300 *	49.7	63.5	10 700 *	52.8	64.7	11 500 *	55.7	65.4	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	42.7	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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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



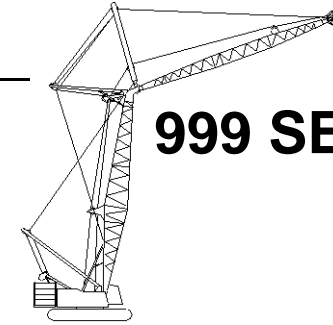
999 SERIES 2

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



999 SERIES 2



Liftcrane Luffing Jib Capacities

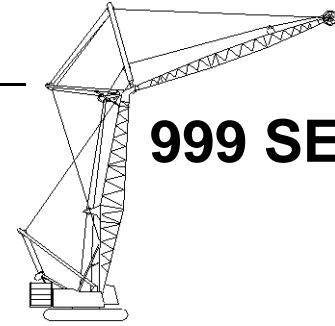
Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	60.4	48.4	43 900 *b																			13.7
14.0	59.5	48.2	43 700 *b																			14.0
16.0	53.0	46.9	41 800 *b	60.7	48.2	45 400 *b																16.0
18.0	46.0	45.2	39 300 *	54.3	46.9	42 800 *b	58.8	47.6	44 500 b													18.0
20.0	37.9	43.0	34 300 *	47.4	45.3	40 500 *	52.3	46.2	40 200 b	59.9	47.2	38 400 b										20.0
22.0	28.0	39.9	30 000 *	39.5	43.2	35 500 *	45.2	44.5	36 300	53.4	45.9	34 600 b										22.0
24.0	12.5	34.5	23 000 *	30.1	40.3	30 900 *	37.0	42.2	32 400	46.4	44.2	31 000	54.3	45.3	29 600							24.0
26.0							26.8	39.0	29 300	38.4	42.0	28 000	47.4	43.7	26 600							26.0
28.0										28.7	39.0	25 500	39.6	41.6	24 300	48.1	42.9	23 100				28.0
30.0										13.9	33.9	23 300	30.2	38.7	22 200	40.3	40.8	21 100				30.0
32.0													16.6	34.1	20 500	31.1	38.1	19 500	40.7	39.8	18 500	32.0
34.0																18.3	33.7	18 000	31.6	37.1	17 100	34.0
36.0																			19.1	32.8	15 800	36.0

REFERENCED



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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

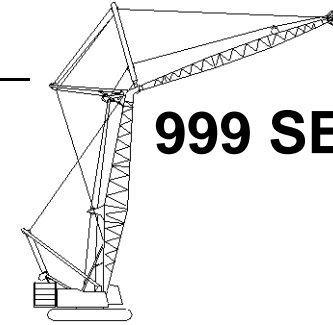
27.4m (90 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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	39 100													20.0
22.0	39.4	45.3	30 200 *	47.6	47.6	35 100 *	51.9	48.6	35 800	58.6	49.6	34 100 b										22.0
24.0	31.3	42.5	26 700 *	40.8	45.5	31 000 *	45.7	46.8	32 300	52.9	48.2	30 800										24.0
26.0	20.5	38.4	23 600 *	33.0	42.9	27 400 *	38.7	44.6	29 200	46.7	46.5	27 800	53.7	47.6	26 400							26.0
28.0				23.0	39.1	24 400 *	30.4	41.7	26 500	39.9	44.4	25 300	47.6	46.0	24 000							28.0
30.0							19.1	37.3	23 600 *	31.8	41.6	23 200	40.8	43.9	22 000	48.2	45.2	20 900				30.0
32.0										21.3	37.6	21 300	33.0	41.3	20 300	41.5	43.2	19 200				32.0
34.0													23.0	37.5	18 700	33.8	40.6	17 800	41.8	42.1	16 800	34.0
36.0																24.1	37.0	16 500	34.2	39.6	15 600	36.0
38.0																5.8	29.5	15 300	24.6	36.0	14 500	38.0

REFERENCE ONLY!



999 SERIES 2



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

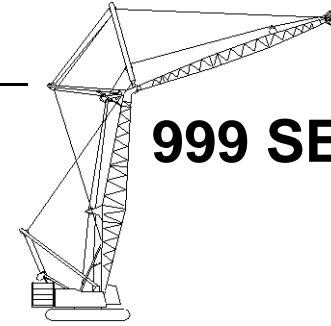
27.4m (90 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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	30 700										24.0
26.0	33.7	45.1	24 200 *	41.8	47.9	27 900 *	46.1	49.1	29 200	52.5	50.5	27 800										26.0
28.0	25.1	41.5	21 800 *	35.1	45.4	24 800 *	39.9	47.0	26 600	47.0	48.8	25 300	53.2	50.0	24 100							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	23 200	47.7	48.3	22 000							30.0
32.0				15.4	36.9	20 100 *	24.1	40.6	21 700 *	34.1	44.2	21 400	41.8	46.3	20 300	48.3	47.5	19 200				32.0
34.0										25.7	40.7	19 700	35.1	43.8	18 700	42.4	45.5	17 800				34.0
36.0										13.1	35.0	18 300	27.0	40.4	17 400	35.8	43.1	16 500	42.7	44.5	15 600	36.0
38.0													15.4	35.3	16 200	27.8	39.8	15 300	36.1	42.0	14 500	38.0
40.0																16.8	35.0	14 300	28.2	38.9	13 500	40.0
42.0																			17.5	34.1	12 700	42.0

REFERENCE ONLY!



999 SERIES 2



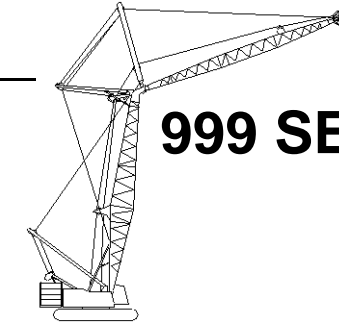
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	27 600										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	25 100										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	23 000	52.8	52.3	21 800							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	21 100	47.9	50.6	20 000							32.0
34.0				21.0	40.5	18 400 *	27.5	43.4	19 700 *	35.8	46.6	19 600	42.6	48.6	18 500	48.3	49.8	17 500				34.0
36.0							17.7	38.6	17 900 *	28.8	43.5	18 200	36.7	46.2	17 200	43.1	47.9	16 200				36.0
38.0										19.6	39.0	16 900	29.8	43.2	16 000	37.3	45.5	15 100	43.3	46.8	14 200	38.0
40.0													21.0	38.9	15 000	30.5	42.5	14 100	37.5	44.4	13 300	40.0
42.0																22.0	38.4	13 200	30.9	41.5	12 400	42.0
44.0																6.9	30.7	12 400	22.5	37.5	11 700	44.0



999 SERIES 2

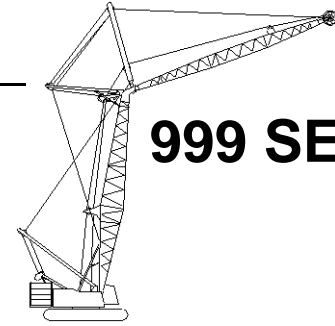
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.4	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	27 300										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	25 000										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	22 900										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	21 100	52.4	54.6	20 000							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	19 500	48.0	52.9	18 500							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	18 100	43.2	50.9	17 100	48.4	52.1	16 200				36.0
38.0				14.6	38.0	14 900 *	22.2	42.0	16 400 *	31.1	46.1	16 900	37.9	48.6	16 000	43.6	50.2	15 100				38.0
40.0										23.6	42.2	15 800	31.9	45.7	14 900	38.4	47.9	14 100	43.9	49.1	13 300	40.0
42.0										12.7	36.1	14 600	24.7	42.0	14 000	32.6	45.1	13 200	38.7	46.8	12 400	42.0
44.0													14.6	36.4	13 100	25.5	41.5	12 400	32.9	44.1	11 600	44.0
46.0																15.8	36.2	11 600	25.9	40.5	10 900	46.0
48.0																			16.4	35.3	10 300	48.0



999 SERIES 2

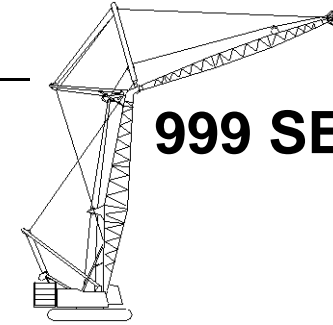
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	22 700 *										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	20 900 *	56.0	58.3	19 700 *							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	19 300 *	52.1	56.9	18 300 *							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	17 900 *	48.1	55.2	16 900 *							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	16 700 *	43.7	53.3	15 700 *	48.4	54.4	14 800 *				38.0
40.0				19.6	41.9	14 100 *	25.4	45.1	15 100 *	32.9	48.6	15 600 *	38.9	51.0	14 700 *	44.1	52.5	13 800 *				40.0
42.0							16.7	39.9	13 800 *	26.6	45.1	14 600 *	33.6	48.3	13 800 *	39.4	50.3	13 000 *	44.3	51.4	12 200 *	42.0
44.0										18.4	40.3	13 700 *	27.5	44.9	12 900 *	34.2	47.6	12 100 *	39.6	49.2	11 400 *	44.0
46.0													19.6	40.3	12 200 *	28.1	44.3	11 400 *	34.4	46.6	10 700 *	46.0
48.0																20.5	39.8	10 800 *	28.4	43.3	10 100 *	48.0
50.0																7.5	31.8	10 200 *	20.9	38.9	9 500 *	50.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

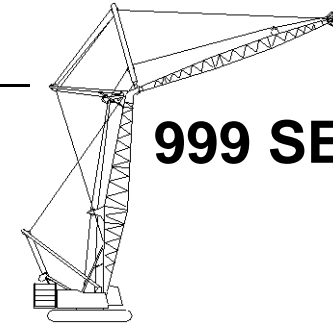
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	18 300							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	16 900							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	15 800							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	14 700	48.5	56.7	13 900				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	13 800	44.5	54.8	13 000				42.0
44.0				14.0	39.2	11 900 *	20.8	43.4	13 100 *	28.8	47.9	13 700	35.0	50.7	12 900	40.2	52.6	12 100	44.7	53.7	11 400	44.0
46.0										22.1	43.7	13 000	29.6	47.6	12 200	35.5	50.0	11 400	40.4	51.6	10 700	46.0
48.0										12.3	37.2	12 000	23.1	43.5	11 500	30.2	46.9	10 800	35.7	49.0	10 100	48.0
50.0													14.0	37.6	10 800	23.8	43.0	10 100	30.4	45.9	9 500	50.0
52.0																15.1	37.3	9 600	24.1	42.1	9 000	52.0
54.0																			15.6	36.5	8 500	54.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

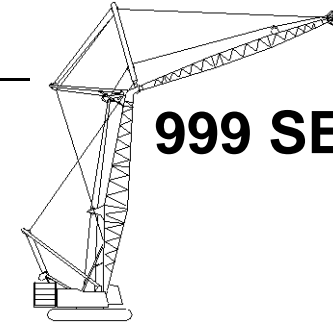
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	14 400 *	52.0	60.7	13 700				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	13 600	48.5	59.0	12 700				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	12 700	44.8	57.1	12 000				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	12 000	40.9	55.0	11 200	45.0	56.1	10 500	46.0
48.0							15.9	41.1	10 600 *	24.9	46.7	11 200 *	31.3	50.2	11 300	36.6	52.5	10 500	41.1	53.9	9 800	48.0
50.0										17.4	41.6	10 800 *	25.7	46.5	10 600	31.8	49.5	9 900	36.8	51.4	9 300	50.0
52.0													18.6	41.6	10 100	26.3	45.9	9 400	32.1	48.5	8 700	52.0
54.0																19.4	41.2	8 900	26.6	45.0	8 300	54.0
56.0																8.0	32.9	8 400	19.7	40.3	7 800	56.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

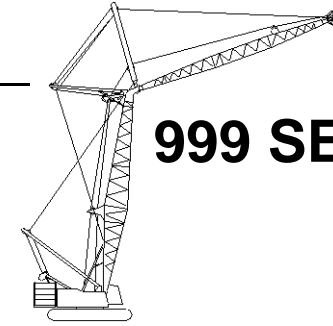
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	73.9	21 000 *																			15.2
16.0	73.7	73.7	20 500 *																			16.0
18.0	71.1	73.1	19 400 *																			18.0
20.0	68.4	72.4	18 300 *																			20.0
22.0	65.7	71.5	17 300 *	68.9	72.3	18 600 *																22.0
24.0	62.9	70.5	16 300 *	66.2	71.4	17 600 *																24.0
26.0	60.0	69.5	15 400 *	63.4	70.5	16 600 *	65.4	70.9	17 200 *													26.0
28.0	57.1	68.2	14 500 *	60.6	69.4	15 700 *	62.6	69.9	16 300 *													28.0
30.0	54.1	66.9	13 700 *	57.7	68.2	14 800 *	59.7	68.8	15 500 *													30.0
32.0	50.9	65.3	12 900 *	54.7	66.9	14 000 *	56.8	67.6	14 600 *	60.2	68.5	15 500 *										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	11 900				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	11 100				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	10 500	45.3	58.4	9 800	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	9 900	41.6	56.3	9 200	50.0
52.0										20.9	45.1	8 900 *	27.8	49.3	9 500 *	33.2	52.1	9 300	37.7	53.8	8 700	52.0
54.0										12.0	38.3	8 600 *	21.8	45.0	9 100 *	28.3	48.7	8 800	33.4	51.0	8 200	54.0
56.0													13.5	38.7	8 700 *	22.4	44.5	8 300	28.5	47.7	7 700	56.0
58.0																14.5	38.5	7 900	22.7	43.5	7 300	58.0
60.0																			15.0	37.7	7 000	60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

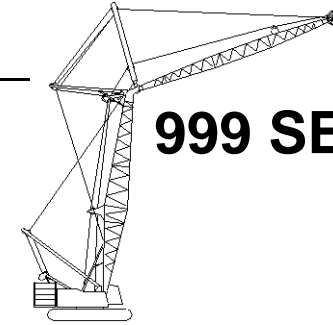
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	9 000	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	8 500	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	8 000	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	7 500	56.0
58.0													17.7	42.9	6 900 *	24.8	47.5	7 300 *	30.2	50.4	7 100	58.0
60.0																18.5	42.5	6 900 *	25.1	46.6	6 700	60.0
62.0																8.3	34.0	6 600 *	18.8	41.6	6 400	62.0
64.0																			9.0	33.5	6 100	64.0



999 SERIES 2

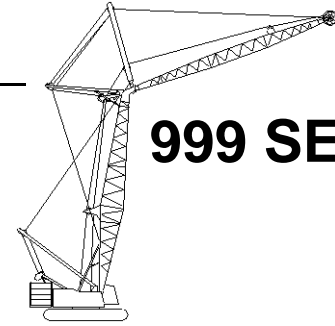
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.8	79.9	17 100 *																			16.8
18.0	73.4	79.5	16 500 *																			18.0
20.0	71.0	78.9	15 500 *																			20.0
22.0	68.7	78.1	14 600 *																			22.0
24.0	66.3	77.3	13 700 *	69.1	78.0	14 800 *																24.0
26.0	63.9	76.4	12 800 *	66.8	77.2	13 900 *																26.0
28.0	61.4	75.3	12 100 *	64.3	76.3	13 100 *	66.0	76.7	13 600 *													28.0
30.0	58.8	74.2	11 300 *	61.8	75.3	12 300 *	63.6	75.8	12 800 *													30.0
32.0	56.2	72.9	10 600 *	59.3	74.2	11 500 *	61.1	74.7	12 100 *													32.0
34.0	53.5	71.5	9 900 *	56.7	72.9	10 800 *	58.5	73.6	11 300 *	61.5	74.3	12 100 *										34.0
36.0	50.7	69.9	9 200 *	54.0	71.5	10 100 *	55.9	72.3	10 600 *	59.0	73.2	11 400 *										36.0
38.0	47.8	68.2	8 600 *	51.2	70.0	9 400 *	53.2	70.8	9 900 *	56.3	71.9	10 700 *										38.0
40.0	44.7	66.3	8 100 *	48.3	68.3	8 800 *	50.4	69.3	9 300 *	53.6	70.5	10 000 *	56.7	71.3	10 700 *							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 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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

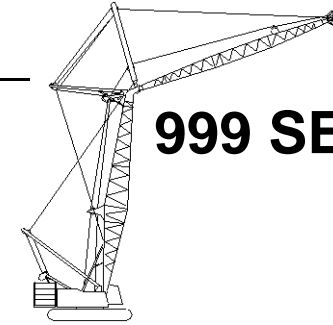
30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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	43 700 b													18.0
20.0	38.4	46.1	34 700 *	48.7	48.7	40 600	54.1	49.6	39 200 b	62.3	50.6	37 200 b										20.0
22.0	28.6	43.1	30 300 *	41.1	46.7	36 400	47.2	48.0	35 600	56.0	49.4	33 700 b										22.0
24.0	13.7	38.0	23 100 *	32.1	44.0	31 900 *	39.3	45.9	32 200	49.3	47.9	30 500										24.0
26.0							29.8	43.0	29 000	41.7	45.9	27 500	51.1	47.5	26 100							26.0
28.0										32.8	43.3	25 100	43.8	45.6	23 700							28.0
30.0										21.0	39.4	23 000	35.3	43.2	21 700	45.4	45.0	20 500				30.0
32.0													24.6	39.7	20 000	37.3	42.7	18 900	46.7	44.0	17 800	32.0
34.0																27.2	39.6	17 500	38.7	41.9	16 400	34.0
36.0																			29.1	38.9	15 200	36.0
38.0																			14.7	33.9	14 200	38.0

REFER TO EN 13000 Y!



999 SERIES 2



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.5	55.6	43 000 *b																			12.2
14.0	63.9	54.8	40 600 *b																			14.0
16.0	58.5	53.7	38 800 *b	65.6	54.8	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	38 500 b													20.0
22.0	39.8	48.5	30 500 *	48.7	51.0	35 600 *	53.5	52.0	34 900	60.7	53.0	33 100 b										22.0
24.0	31.8	45.7	27 200 *	42.1	49.0	31 900 *	47.4	50.3	31 800	55.2	51.7	30 200										24.0
26.0	21.2	41.7	24 100 *	34.6	46.5	28 200 *	40.6	48.2	28 900	49.2	50.2	27 300	56.6	51.2	25 800							26.0
28.0				25.1	43.0	25 300 *	32.8	45.5	26 300	42.7	48.3	24 900	50.8	49.8	23 500							28.0
30.0							22.6	41.7	24 100	35.2	45.8	22 800	44.5	47.9	21 500							30.0
32.0										26.0	42.4	21 000	37.3	45.6	19 800	45.9	47.3	18 600				32.0
34.0													28.6	42.5	18 300	38.9	45.1	17 200				34.0
36.0													16.3	37.7	17 000	30.7	42.2	16 000	40.1	44.2	15 000	36.0
38.0																19.6	38.0	14 900	32.2	41.5	14 000	38.0
40.0																			21.8	37.6	13 000	40.0

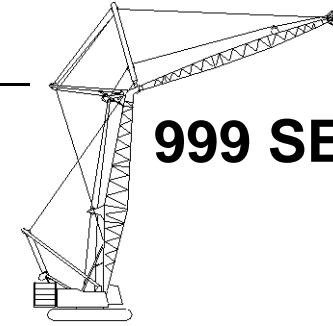
REFERENCE ONLY!



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

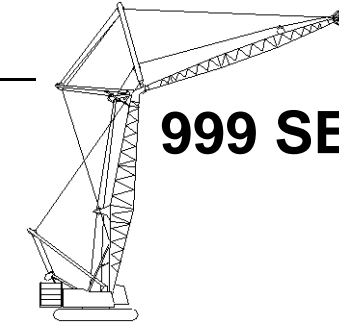
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	29 800										24.0
26.0	34.1	48.3	24 700 *	42.9	51.3	28 500 *	47.6	52.6	28 900	54.5	54.1	27 400										26.0
28.0	25.7	44.8	22 400 *	36.4	48.9	25 600 *	41.6	50.6	26 300	49.2	52.5	24 900	55.8	53.6	23 500							28.0
30.0	13.0	39.1	18 300 *	28.6	45.8	23 100 *	34.9	48.0	24 100	43.4	50.6	22 800	50.6	52.1	21 500							30.0
32.0				18.1	41.1	21 000 *	26.7	44.7	22 200	36.9	48.2	21 000	45.0	50.3	19 800	51.8	51.3	18 600				32.0
34.0										29.3	45.1	19 400	38.7	48.0	18 300	46.2	49.6	17 200				34.0
36.0										19.1	40.7	18 000	31.4	45.2	17 000	40.1	47.5	16 000				36.0
38.0													22.2	41.2	15 800	33.1	44.8	14 900	41.2	46.6	13 900	38.0
40.0																24.4	41.1	13 900	34.4	44.0	13 000	40.0
42.0																			26.1	40.6	12 200	42.0
44.0																			13.8	35.0	11 400	44.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

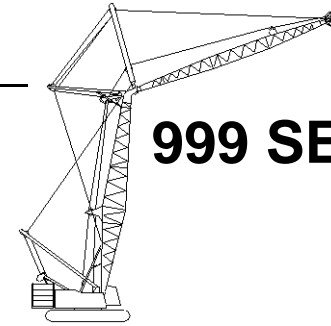
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib

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	26 800										26.0
28.0	35.8	50.7	22 300 *	43.6	53.6	24 800 *	47.7	54.9	26 000	54.0	56.4	24 700										28.0
30.0	28.7	47.5	20 200 *	37.8	51.3	23 000 *	42.4	52.9	24 000	49.2	54.8	22 600	55.2	55.9	21 300							30.0
32.0	19.5	43.1	18 500 *	31.2	48.4	20 900 *	36.5	50.5	22 000	44.0	52.9	20 800	50.5	54.4	19 500							32.0
34.0				22.9	44.5	19 100 *	29.6	47.4	20 300	38.3	50.6	19 200	45.4	52.6	18 100	51.5	53.6	17 000				34.0
36.0							20.7	43.1	18 800 *	31.7	47.8	17 800	39.8	50.4	16 800	46.5	51.9	15 700				36.0
38.0										23.6	43.9	16 600	33.5	47.7	15 600	41.1	49.8	14 600				38.0
40.0													26.0	44.2	14 600	35.0	47.3	13 700	42.0	48.9	12 800	40.0
42.0													15.2	38.9	13 700	27.8	44.0	12 800	36.1	46.5	11 900	42.0
44.0																18.1	39.3	12 000	29.1	43.3	11 200	44.0
46.0																			20.0	38.9	10 500	46.0



999 SERIES 2



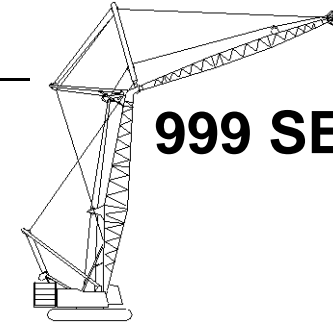
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	26 500										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	24 500										28.0
30.0	37.1	53.1	20 400 *	44.1	56.0	22 800 *	47.8	57.2	23 700	53.5	58.7	22 500										30.0
32.0	31.0	50.2	18 600 *	38.9	53.7	21 000 *	43.0	55.2	22 000	49.2	57.1	20 700	54.6	58.2	19 500							32.0
34.0	23.6	46.3	16 900 *	33.1	50.9	19 200 *	37.8	52.9	20 300	44.5	55.2	19 100	50.3	56.7	18 000							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	17 800	45.7	54.9	16 700							36.0
38.0				16.9	42.4	16 100 *	24.5	46.3	17 300 *	33.6	50.3	16 600	40.7	52.7	15 600	46.7	54.2	14 600				38.0
40.0										26.8	46.8	15 500	35.2	50.2	14 600	41.9	52.2	13 600				40.0
42.0										17.8	42.0	14 500	28.7	47.0	13 600	36.4	49.7	12 700	42.7	51.2	11 900	42.0
44.0													20.5	42.6	12 800	30.2	46.7	12 000	37.4	48.9	11 100	44.0
46.0																22.5	42.6	11 200	31.3	45.9	10 500	46.0
48.0																			23.9	42.1	9 800	48.0
50.0																			13.2	36.2	9 300	50.0



999 SERIES 2

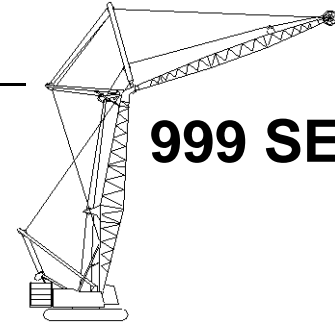
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.9	68.4	31 100 *b																			12.2
14.0	72.9	67.9	29 600 *b																			14.0
16.0	69.6	67.2	28 000 *																			16.0
18.0	66.3	66.4	26 500 *																			18.0
20.0	62.8	65.4	25 100 *	67.4	66.4	27 200 *																20.0
22.0	59.2	64.3	23 800 *	63.9	65.5	25 900 *	66.6	65.9	26 900 *													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	24 000										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	22 300										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	20 500	58.0	61.9	19 300							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	18 900	54.2	60.5	17 800							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	17 600	50.2	59.0	16 500							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	16 400	46.0	57.2	15 300							38.0
40.0				21.3	45.9	14 800 *	27.3	49.1	15 800 *	35.1	52.8	15 300	41.5	55.1	14 300	46.9	56.5	13 300				40.0
42.0							19.4	44.5	14 600 *	29.2	49.6	14 300	36.5	52.6	13 400	42.5	54.5	12 500				42.0
44.0										21.9	45.4	13 500	30.8	49.6	12 600	37.6	52.1	11 700	43.2	53.6	10 900	44.0
46.0													24.0	45.8	11 800	32.1	49.2	11 000	38.5	51.3	10 200	46.0
48.0													14.5	40.0	11 100	25.6	45.6	10 400	33.1	48.5	9 600	48.0
50.0																17.0	40.5	9 800	26.8	45.0	9 100	50.0
52.0																			18.7	40.2	8 600	52.0



999 SERIES 2

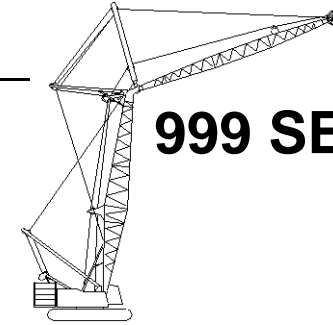
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	16 500							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	15 400							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	15 300	46.2	59.5	14 300	50.9	60.6	13 400				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	14 300	42.1	57.4	13 400	47.1	58.8	12 500				42.0
44.0				16.0	43.6	12 900 *	22.9	47.8	13 400 *	31.1	52.2	13 500	37.6	55.0	12 600	43.0	56.8	11 700				44.0
46.0										25.0	48.4	12 700	32.5	52.2	11 800	38.6	54.5	11 000	43.7	55.9	10 200	46.0
48.0										16.8	43.2	12 000	26.7	48.7	11 100	33.7	51.8	10 400	39.3	53.6	9 600	48.0
50.0													19.3	43.9	10 500	28.0	48.4	9 800	34.5	51.0	9 100	50.0
52.0																21.1	44.0	9 200	29.0	47.7	8 500	52.0
54.0																			22.4	43.6	8 100	54.0
56.0																			12.8	37.3	7 700	56.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
13.7	75.8	74.3	23 400 *b																			13.7	
14.0	75.4	74.2	23 200 *b																			14.0	
16.0	72.6	73.6	22 100 *																			16.0	
18.0	69.8	72.9	20 900 *																			18.0	
20.0	66.9	72.2	19 800 *	70.7	72.9	21 300 *																20.0	
22.0	64.0	71.2	18 700 *	67.9	72.2	20 200 *																22.0	
24.0	60.9	70.2	17 700 *	64.9	71.3	19 200 *																24.0	
26.0	57.8	69.0	16 700 *	61.9	70.3	18 200 *	64.3	70.8	19 000 *													26.0	
28.0	54.6	67.7	15 800 *	58.8	69.1	17 200 *	61.3	69.8	18 000 *													28.0	
30.0	51.2	66.2	15 000 *	55.6	67.9	16 300 *	58.2	68.6	17 000 *													30.0	
32.0	47.7	64.5	14 200 *	52.3	66.4	15 400 *	54.9	67.3	16 100 *	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	15 200							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	14 100							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	13 200	50.8	62.9	12 300				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	12 400	47.2	61.1	11 500				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	11 600	43.5	59.1	10 800				46.0
48.0								18.3	45.8	10 800 *	27.3	51.3	11 500 *	33.9	54.7	10 900	39.4	56.9	10 200	44.1	58.2	9 400	48.0
50.0											20.7	46.8	10 900 *	28.8	51.4	10 300	35.0	54.2	9 600	40.1	56.0	8 800	50.0
52.0														22.6	47.2	9 700	30.0	51.1	9 000	35.7	53.4	8 300	52.0
54.0														14.0	41.2	9 200	24.0	47.2	8 500	30.8	50.4	7 800	54.0
56.0																	16.2	41.7	8 100	25.1	46.6	7 400	56.0
58.0																				17.7	41.5	7 000	58.0

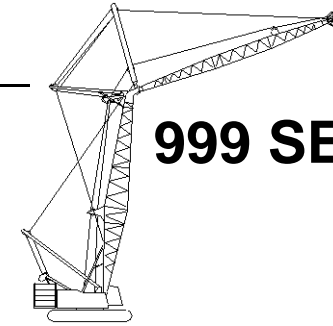


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

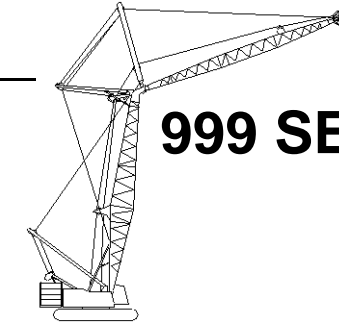
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	11 400			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	10 700			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	10 100			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	10 200	40.1	59.2	9 500	44.4	60.5	8 700	50.0
52.0										23.5	50.0	9 200 *	30.5	54.0	9 700	36.0	56.7	8 900	40.7	58.4	8 300	52.0
54.0										16.1	44.4	8 800 *	25.1	50.3	9 200	31.5	53.7	8 500	36.7	55.9	7 800	54.0
56.0													18.3	45.2	8 700	26.3	50.1	8 000	32.3	52.9	7 300	56.0
58.0																20.0	45.4	7 600	27.3	49.5	6 900	58.0
60.0																			21.1	45.0	6 600	60.0
62.0																			12.5	38.4	6 200	62.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

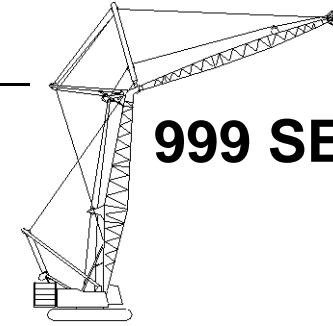
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.8	80.2	19 200 *																			15.2
16.0	74.9	80.0	18 800 *																			16.0
18.0	72.4	79.4	17 800 *																			18.0
20.0	69.9	78.7	16 800 *																			20.0
22.0	67.4	77.9	15 800 *																			22.0
24.0	64.8	77.0	14 900 *	68.2	77.9	16 200 *																24.0
26.0	62.2	76.0	14 000 *	65.7	77.1	15 300 *	67.7	77.5	15 900 *													26.0
28.0	59.5	74.9	13 200 *	63.1	76.1	14 400 *	65.1	76.6	15 000 *													28.0
30.0	56.8	73.7	12 400 *	60.4	75.0	13 500 *	62.5	75.6	14 200 *													30.0
32.0	53.9	72.3	11 600 *	57.7	73.8	12 700 *	59.8	74.5	13 400 *													32.0
34.0	50.9	70.8	10 900 *	54.8	72.5	12 000 *	57.1	73.3	12 600 *	60.6	74.2	13 500 *										34.0
36.0	47.9	69.1	10 300 *	51.9	71.0	11 200 *	54.2	71.9	11 900 *	57.9	73.0	12 800 *										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	10 500				46.0
48.0	23.5	52.3	7 000 *	30.4	57.3	7 700 *	33.8	59.5	8 100 *	39.0	62.4	8 900 *	43.4	64.4	9 600 *	47.5	65.7	9 800				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	9 300				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	8 700	44.7	62.8	8 000	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	8 200	41.3	60.7	7 500	54.0
56.0										19.7	48.1	7 000 *	27.1	53.1	7 500 *	32.8	56.2	7 800	37.6	58.3	7 100	56.0
58.0													21.4	48.7	7 100 *	28.2	52.9	7 400	33.6	55.5	6 700	58.0
60.0													13.6	42.3	6 700 *	22.8	48.7	7 000	29.0	52.2	6 300	60.0
62.0																15.6	42.9	6 600	23.7	48.1	6 000	62.0
64.0																			17.0	42.8	5 700	64.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

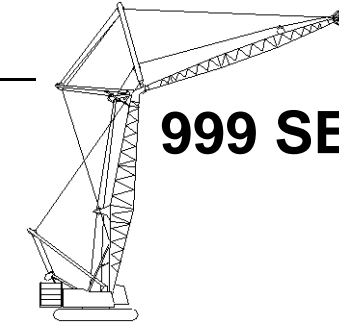
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	7 400	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	6 900	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	6 600	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	6 200	60.0			
62.0													17.5	46.5	5 100 *	25.0	51.7	5 700 *	30.5	54.8	5 800	62.0			
64.0													7.2	37.4	4 700 *	19.1	46.7	5 200 *	25.8	51.1	5 500	64.0			
66.0																						20.2	46.4	5 200	66.0
68.0																						12.2	39.5	4 900 *	68.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

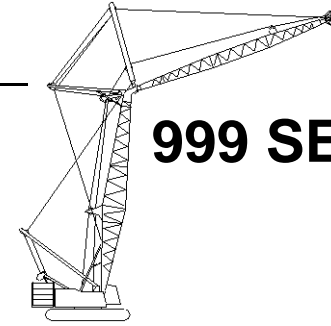
33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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	39 600 b	55.8	53.0	38 100 b													20.0
22.0	29.2	46.4	30 600 *	42.6	50.1	36 000	49.1	51.5	34 600 b	58.5	52.9	32 500 b										22.0
24.0	14.9	41.4	24 000 *	33.9	47.6	32 500	41.5	49.5	31 600	52.0	51.5	29 700										24.0
26.0				22.5	43.8	28 800 *	32.6	46.8	28 700	44.8	49.7	27 000	54.6	51.1	25 300 b							26.0
28.0							20.5	42.8	26 100	36.6	47.4	24 600	47.7	49.5	23 000							28.0
30.0										26.2	44.1	22 500	39.9	47.4	21 100							30.0
32.0										7.9	37.6	20 700	30.6	44.6	19 400	42.7	47.0	18 100				32.0
34.0																34.0	44.5	16 700	44.9	46.2	15 600	34.0
36.0																22.7	40.8	15 500	36.6	43.9	14 400	36.0
38.0																			26.4	40.6	13 400	38.0

REFERENCE ONLY!



999 SERIES 2



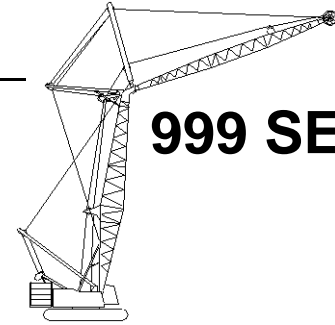
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	37 600 b													20.0
22.0	40.2	51.7	31 300 *	49.9	54.3	34 700 *	55.0	55.3	34 100													22.0
24.0	32.3	49.0	27 700 *	43.4	52.4	32 500	49.1	53.8	31 200	57.4	55.2	29 300										24.0
26.0	21.9	45.0	24 500 *	36.1	50.0	29 200 *	42.5	51.8	28 700	51.6	53.8	26 900										26.0
28.0				27.1	46.8	26 100 *	35.0	49.3	26 100	45.4	52.0	24 500	53.9	53.4	23 000							28.0
30.0				13.5	41.4	21 700 *	25.7	45.9	23 900	38.3	49.8	22 400	47.8	51.8	21 000							30.0
32.0							10.5	39.8	21 800	29.9	46.8	20 700	41.1	49.8	19 300	50.0	51.2	18 000				32.0
34.0										18.4	42.4	19 100	33.4	47.1	17 900	43.5	49.3	16 700				34.0
36.0													23.5	43.4	16 600	36.2	46.9	15 500				36.0
38.0																27.2	43.7	14 400	38.4	46.3	13 300	38.0
40.0																			30.0	43.3	12 400	40.0
42.0																			18.5	38.9	11 600	42.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	67.9	61.4	36 400 *b																			13.7
14.0	67.2	61.2	36 100 *b																			14.0
16.0	62.6	60.3	34 000 *b																			16.0
18.0	57.8	59.2	32 100 *	64.7	60.5	35 400 *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	33 300													22.0
24.0	41.3	54.0	27 400 *	49.8	56.6	30 200 *	54.4	57.7	30 700													24.0
26.0	34.5	51.5	24 800 *	44.1	54.7	28 800 *	49.1	56.1	28 200	56.5	57.5	26 400										26.0
28.0	26.2	48.0	22 500 *	37.7	52.4	26 100 *	43.3	54.2	26 000	51.3	56.1	24 400										28.0
30.0	14.0	42.6	18 800 *	30.2	49.5	23 500 *	36.8	51.8	23 800	45.8	54.3	22 300	53.4	55.7	20 900							30.0
32.0				20.4	45.2	21 400 *	29.1	48.7	22 000	39.6	52.2	20 500	48.0	54.1	19 200							32.0
34.0							18.7	44.2	20 300	32.5	49.4	19 000	42.1	52.1	17 700	49.9	53.5	16 500				34.0
36.0										23.6	45.7	17 600	35.4	49.6	16 500	44.1	51.7	15 300				36.0
38.0										8.4	38.7	16 400	27.4	46.3	15 300	37.8	49.4	14 200				38.0
40.0																30.3	46.4	13 300	39.7	48.7	12 300	40.0
42.0																20.6	42.2	12 400	32.6	45.9	11 500	42.0
44.0																			23.7	42.2	10 800	44.0

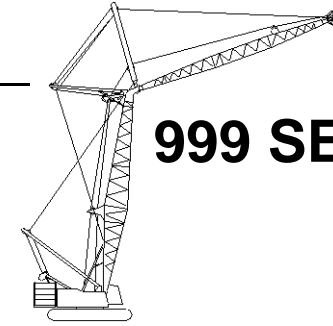
REFERENCE ONLY!



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

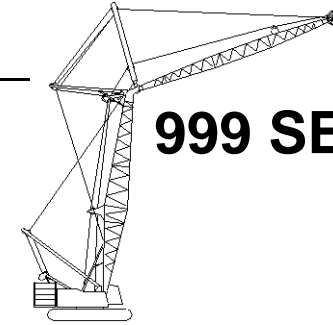
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	27 700	60.2	61.1	25 900										26.0
28.0	36.1	53.9	22 400 *	44.6	57.0	25 100 *	49.0	58.4	25 600	55.8	59.9	23 900										28.0
30.0	29.1	50.8	20 300 *	38.9	54.8	23 400 *	43.9	56.5	23 600	51.1	58.4	22 100										30.0
32.0	20.1	46.4	18 600 *	32.5	52.0	21 200 *	38.1	54.2	21 700	46.1	56.6	20 300	53.0	58.1	19 000							32.0
34.0				24.6	48.4	19 400 *	31.5	51.3	20 100	40.6	54.5	18 800	48.1	56.4	17 500							34.0
36.0				12.9	42.5	17 000 *	23.4	47.5	18 700	34.4	51.9	17 400	42.8	54.4	16 200	49.8	55.8	15 100				36.0
38.0							10.4	40.9	17 400	27.1	48.5	16 200	36.9	52.0	15 100	44.6	54.0	14 000				38.0
40.0										17.1	43.6	15 200	30.1	49.0	14 100	39.0	51.7	13 000	46.1	53.1	12 000	40.0
42.0													21.5	44.9	13 200	32.6	49.0	12 200	40.7	51.0	11 200	42.0
44.0																24.7	45.3	11 400	34.5	48.4	10 500	44.0
46.0																			27.2	45.1	9 900	46.0
48.0																			17.2	40.2	9 300	48.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

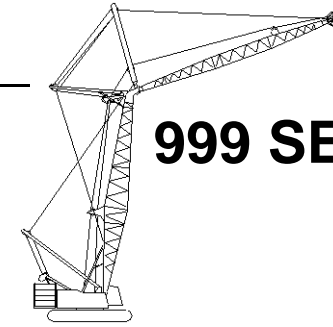
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	72.0	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	25 300	59.3	63.5	23 600										28.0
30.0	37.4	56.3	20 600 *	45.0	59.4	23 100 *	49.0	60.7	23 500	55.2	62.2	22 000										30.0
32.0	31.4	53.4	18 700 *	39.9	57.2	21 500 *	44.3	58.8	21 700	50.9	60.7	20 300	56.8	61.8	18 900							32.0
34.0	24.0	49.6	17 100 *	34.3	54.5	19 600 *	39.2	56.6	20 000	46.4	58.9	18 700	52.6	60.4	17 400							34.0
36.0	13.4	43.7	14 500 *	27.6	51.2	17 900 *	33.4	53.8	18 600	41.4	56.9	17 400	48.2	58.7	16 200							36.0
38.0				19.0	46.5	16 400 *	26.6	50.4	17 400	36.0	54.4	16 200	43.4	56.8	15 000	49.7	58.1	13 900				38.0
40.0							17.5	45.4	16 100	29.7	51.3	15 100	38.2	54.4	14 100	45.1	56.3	13 000				40.0
42.0										21.8	47.1	14 200	32.2	51.6	13 100	40.0	54.1	12 100				42.0
44.0										8.8	39.8	13 300	25.1	47.9	12 400	34.3	51.5	11 400	41.5	53.4	10 500	44.0
46.0																27.7	48.1	10 700	36.0	50.9	9 800	46.0
48.0																19.1	43.5	10 100	29.7	47.8	9 200	48.0
50.0																			21.9	43.6	8 700	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

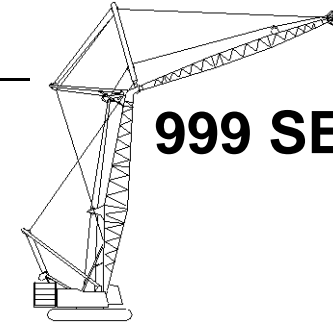
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	21 600										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	20 200										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	18 700	56.2	64.1	17 400							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	17 400	52.3	62.7	16 100							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	16 200	48.2	61.0	15 000							38.0
40.0				22.8	49.8	15 400 *	29.0	53.1	16 100	37.2	56.8	15 100	43.9	59.1	14 000	49.6	60.4	12 900				40.0
42.0				12.5	43.6	13 400 *	21.7	48.9	15 200	31.7	53.9	14 200	39.2	56.8	13 100	45.4	58.6	12 100				42.0
44.0							10.4	41.9	13 700 *	25.0	50.2	13 300	33.9	54.1	12 300	40.8	56.5	11 300				44.0
46.0										16.1	44.8	12 500	27.8	50.8	11 600	35.7	53.9	10 700	42.1	55.7	9 800	46.0
48.0													20.0	46.3	10 900	30.0	50.8	10 000	37.2	53.3	9 200	48.0
50.0																22.9	46.8	9 400	31.7	50.4	8 600	50.0
52.0																			25.1	46.7	8 100	52.0
54.0																			16.2	41.4	7 700	54.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

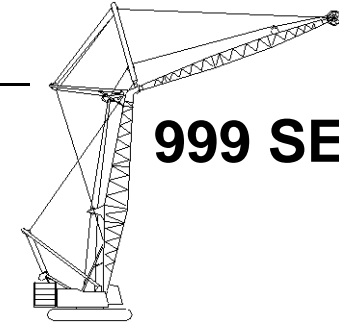
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.9	74.2	24 800 *b																			13.7
14.0	74.5	74.1	24 700 *b																			14.0
16.0	71.4	73.5	23 900 *																			16.0
18.0	68.3	72.8	22 600 *																			18.0
20.0	65.2	71.9	21 400 *	69.8	72.8	23 200 *																20.0
22.0	62.0	70.9	20 300 *	66.6	72.0	22 100 *																22.0
24.0	58.6	69.8	19 300 *	63.5	71.1	21 000 *	66.2	71.6	21 900 *													24.0
26.0	55.2	68.5	18 300 *	60.2	70.0	20 000 *	63.0	70.7	20 900 *													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	17 300	55.6	66.4	16 000							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	16 000	52.1	65.0	14 800							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	15 000	48.3	63.3	13 800							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	14 000	44.3	61.4	13 000	49.6	62.7	11 900				42.0
44.0				17.9	47.8	13 000 *	24.8	52.0	13 600 *	33.3	56.4	13 100	40.0	59.2	12 100	45.7	60.9	11 200				44.0
46.0							16.6	46.7	13 000 *	27.5	53.0	12 400	35.2	56.6	11 400	41.5	58.8	10 500	46.8	60.0	9 600	46.0
48.0										20.4	48.5	11 700	29.9	53.5	10 700	36.9	56.3	9 800	42.7	58.0	9 000	48.0
50.0										9.0	40.9	11 000	23.4	49.5	10 200	31.8	53.4	9 300	38.2	55.7	8 500	50.0
52.0																25.8	49.8	8 700	33.3	52.9	8 000	52.0
54.0																18.0	44.8	8 300	27.6	49.5	7 500	54.0
56.0																			20.5	45.0	7 100	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

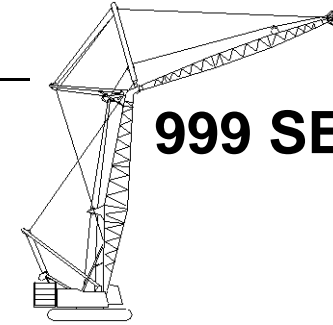
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	14 600							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	13 600							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	12 700							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	11 900	49.6	65.0	11 000				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	11 200	45.9	63.2	10 200				46.0
48.0				12.2	44.7	10 200 *	20.5	50.3	10 900 *	29.5	55.7	11 500	36.4	59.0	10 500	42.1	61.1	9 600				48.0
50.0							10.3	43.0	10 600 *	23.5	51.7	10 800	31.6	56.1	9 900	37.9	58.8	9 100	43.2	60.4	8 200	50.0
52.0										15.4	46.0	10 200	26.0	52.4	9 400	33.3	56.0	8 500	39.1	58.1	7 800	52.0
54.0													18.9	47.6	8 900	28.0	52.6	8 100	34.6	55.4	7 300	54.0
56.0																21.6	48.2	7 600	29.6	52.2	6 900	56.0
58.0																			23.5	48.2	6 500	58.0
60.0																			15.5	42.6	6 200	60.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.0	80.1	20 800 *																			15.2
16.0	74.0	79.9	20 400 *																			16.0
18.0	71.4	79.3	19 300 *																			18.0
20.0	68.7	78.5	18 300 *																			20.0
22.0	66.0	77.7	17 300 *	69.9	78.6	18 800 *																22.0
24.0	63.2	76.7	16 300 *	67.2	77.8	17 800 *																24.0
26.0	60.3	75.7	15 400 *	64.5	76.9	16 900 *	66.8	77.4	17 600 *													26.0
28.0	57.4	74.5	14 600 *	61.7	75.9	16 000 *	64.1	76.5	16 800 *													28.0
30.0	54.4	73.1	13 800 *	58.8	74.7	15 100 *	61.3	75.4	15 900 *													30.0
32.0	51.2	71.6	13 000 *	55.8	73.5	14 300 *	58.4	74.3	15 000 *	62.5	75.2	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	13 600							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	12 600							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	11 900							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	11 100	49.5	67.3	10 200				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	10 500	46.1	65.5	9 600				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	9 800	42.5	63.5	9 000				50.0
52.0							15.9	47.9	8 700 *	25.9	54.6	9 400 *	33.0	58.6	9 300	38.7	61.1	8 500	43.6	62.7	7 700	52.0
54.0										19.4	49.8	8 900 *	28.0	55.2	8 800	34.5	58.4	8 000	39.8	60.4	7 200	54.0
56.0										9.2	42.0	8 600 *	22.1	50.9	8 300	29.8	55.3	7 600	35.7	57.8	6 800	56.0
58.0																24.3	51.3	7 100	31.2	54.8	6 400	58.0
60.0																17.2	46.0	6 800	25.9	51.1	6 100	60.0
62.0																			19.4	46.4	5 700	62.0
64.0																			9.3	38.5	5 400	64.0

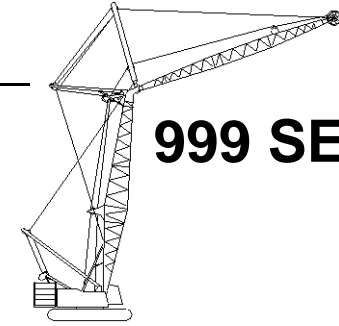


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

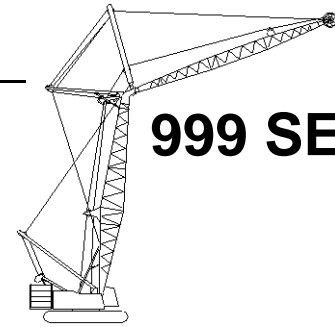
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	9 900				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	9 300				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	8 800				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	8 200	47.2	67.0	7 400	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	7 800	43.9	65.0	7 000	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	7 300	40.4	62.8	6 600	56.0
58.0										14.9	47.2	6 800 *	24.5	54.0	7 300 *	31.3	57.9	6 900	36.7	60.3	6 200	58.0
60.0													18.1	48.9	6 900 *	26.4	54.2	6 600	32.5	57.4	5 800	60.0
62.0																20.5	49.6	6 200	27.9	53.9	5 500	62.0
64.0																12.1	42.8	5 900	22.3	49.7	5 200	64.0
66.0																			14.9	43.7	4 900	66.0



999 SERIES 2

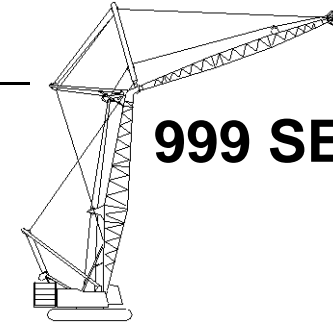
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
16.8	75.0	86.0	17 000 *																			16.8	
18.0	73.6	85.7	16 400 *																			18.0	
20.0	71.3	85.0	15 500 *																			20.0	
22.0	68.9	84.3	14 600 *																			22.0	
24.0	66.5	83.5	13 700 *																			24.0	
26.0	64.1	82.6	12 900 *	67.6	83.6	14 200 *																26.0	
28.0	61.6	81.5	12 100 *	65.2	82.7	13 300 *	67.3	83.2	14 000 *													28.0	
30.0	59.1	80.4	11 300 *	62.8	81.7	12 600 *	64.9	82.3	13 200 *													30.0	
32.0	56.5	79.1	10 600 *	60.3	80.6	11 800 *	62.4	81.3	12 400 *													32.0	
34.0	53.8	77.7	10 000 *	57.7	79.4	11 000 *	59.9	80.2	11 700 *													34.0	
36.0	51.0	76.2	9 300 *	55.0	78.1	10 300 *	57.3	79.0	11 000 *	61.0	80.0	11 900 *										36.0	
38.0	48.1	74.5	8 700 *	52.3	76.6	9 700 *	54.7	77.6	10 300 *	58.4	78.8	11 200 *										38.0	
40.0	45.0	72.6	8 100 *	49.4	75.0	9 000 *	51.9	76.1	9 600 *	55.8	77.5	10 500 *										40.0	
42.0	41.8	70.5	7 600 *	46.4	73.2	8 500 *	49.0	74.5	9 000 *	53.1	76.1	9 900 *	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	8 600				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	8 100				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	7 600				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	7 100	44.2	67.3	6 400	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	6 700	41.0	65.1	6 000	58.0	
60.0										18.5	51.1	5 200 *	26.5	56.9	5 900 *	32.5	60.4	6 400	37.5	62.7	5 700	60.0	
62.0											9.3	43.0	4 800 *	21.0	52.3	5 400 *	28.2	57.0	6 000	33.7	59.9	5 300	62.0
64.0														13.6	45.9	4 900 *	23.0	52.8	5 600 *	29.5	56.6	5 000	64.0
66.0																	16.5	47.3	5 100 *	24.6	52.7	4 800	66.0
68.0																				18.6	47.7	4 500	68.0
70.0																				9.4	39.6	4 300	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

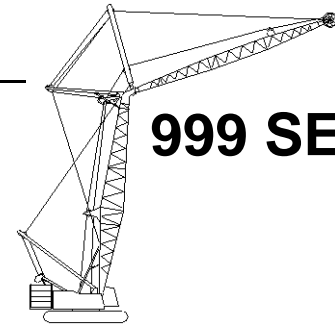
Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

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 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	
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	42 800 b																18.0
20.0	39.3	52.5	35 200 *	51.3	55.3	38 600 b	57.5	56.4	37 100 b													20.0
22.0	29.8	49.6	30 900 *	44.0	53.5	35 100	50.9	54.9	33 700 b	61.0	56.3	31 500 b										22.0
24.0	16.0	44.9	24 700 *	35.6	51.1	32 200	43.6	53.1	30 800	54.6	55.0	28 700 b										24.0
26.0				25.0	47.7	29 400	35.1	50.6	28 400	47.7	53.4	26 400										26.0
28.0							24.3	47.1	25 800	40.0	51.3	24 100	51.4	53.3	22 500 b							28.0
30.0										30.7	48.5	22 100	44.1	51.4	20 500							30.0
32.0										17.5	44.0	20 300	35.7	49.1	18 900	47.6	51.1	17 500				32.0
34.0													25.1	45.6	17 400	39.8	49.0	16 100				34.0
36.0																30.4	46.1	15 000	43.0	48.4	13 800	36.0
38.0																17.1	41.6	13 900	34.5	45.9	12 800	38.0
40.0																			23.3	42.2	11 900	40.0

REFER TO EN 13000!



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

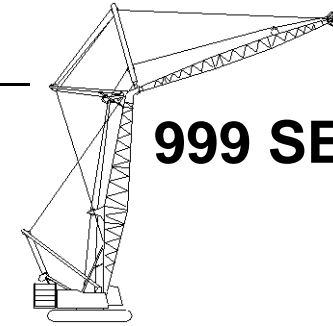
36.6m (120 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	65.2	61.1	40 000 *b																			13.7
14.0	64.5	61.0	39 600 *b																			14.0
16.0	59.1	59.9	37 300 *b																			16.0
18.0	53.5	58.6	35 200 *	62.3	60.3	39 200 *b																18.0
20.0	47.4	56.9	33 400 *	56.8	59.1	37 000 *b	62.0	59.9	36 500 b													20.0
22.0	40.6	54.9	31 400 *	51.0	57.6	34 800	56.5	58.7	33 200 b													22.0
24.0	32.7	52.2	27 900 *	44.7	55.8	31 700	50.7	57.2	30 400	59.6	58.6	28 300 b										24.0
26.0	22.6	48.4	24 900 *	37.5	53.5	29 300	44.3	55.4	28 000	54.0	57.3	26 000										26.0
28.0				28.9	50.5	26 700 *	37.1	53.1	25 800	47.9	55.7	24 000										28.0
30.0				16.8	45.7	23 100 *	28.4	50.0	23 600	41.2	53.7	22 000	51.1	55.6	20 500							30.0
32.0							15.9	45.0	21 800	33.4	51.0	20 300	44.7	53.8	18 800							32.0
34.0										23.6	47.4	18 700	37.6	51.5	17 400	47.7	53.4	16 000				34.0
36.0													29.0	48.4	16 100	41.0	51.3	14 900				36.0
38.0													17.0	43.7	15 000	33.2	48.7	13 800				38.0
40.0																23.3	45.0	12 900	36.5	48.3	11 800	40.0
42.0																			27.7	45.1	11 100	42.0
44.0																			14.6	39.9	10 400	44.0

REFERENCE ONLY!



999 SERIES 2



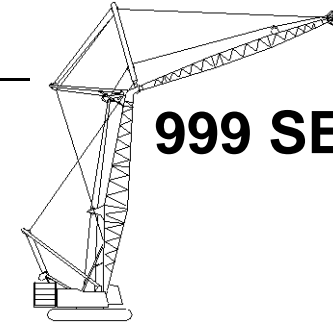
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	35 500 b													20.0
22.0	47.6	59.2	29 000 *	56.0	61.4	32 100 *	60.6	62.3	32 700 b													22.0
24.0	41.6	57.2	27 500 *	50.8	59.9	30 500 *	55.7	61.0	29 900													24.0
26.0	34.8	54.7	24 900 *	45.2	58.1	28 800	50.5	59.5	27 500	58.5	61.0	25 600										26.0
28.0	26.7	51.3	22 600 *	38.9	55.9	26 500	44.8	57.7	25 500	53.4	59.6	23 600										28.0
30.0	14.9	46.0	19 100 *	31.7	53.1	23 900 *	38.6	55.5	23 600	48.0	58.0	21 900										30.0
32.0				22.5	49.2	21 700 *	31.3	52.6	21 700	42.1	56.0	20 100	50.8	57.9	18 600							32.0
34.0							21.9	48.6	20 000	35.4	53.5	18 600	45.2	56.1	17 200							34.0
36.0										27.4	50.3	17 300	39.0	53.9	16 000	47.9	55.7	14 700				36.0
38.0										16.2	45.3	16 100	31.8	51.0	14 900	42.0	53.7	13 700				38.0
40.0													22.6	47.1	13 900	35.3	51.2	12 800	44.4	53.0	11 700	40.0
42.0																27.2	47.9	11 900	38.1	50.7	10 900	42.0
44.0																15.8	42.8	11 200	30.7	47.8	10 200	44.0
46.0																			21.1	43.7	9 600	46.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

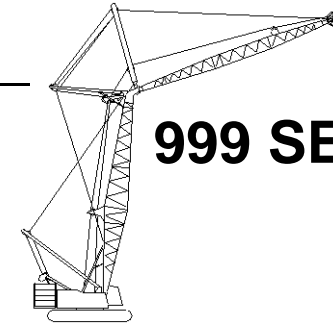
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.4	67.7	33 900 *b																			13.7
14.0	69.8	67.6	33 600 *b																			14.0
16.0	65.8	66.8	31 600 *b																			16.0
18.0	61.6	65.8	29 900 *	68.2	67.0	33 200 *b																18.0
20.0	57.2	64.6	28 200 *	64.0	66.1	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	29 300													24.0
26.0	42.4	59.5	24 200 *	50.6	62.2	26 700 *	55.1	63.4	27 000	61.9	64.5	25 000										26.0
28.0	36.5	57.1	22 500 *	45.6	60.4	25 400 *	50.3	61.8	24 900	57.6	63.3	23 100										28.0
30.0	29.6	54.0	20 400 *	40.0	58.3	23 800 *	45.3	60.0	23 200	53.0	62.0	21 500										30.0
32.0	20.7	49.8	18 700 *	33.8	55.6	21 500 *	39.7	57.8	21 500	48.1	60.3	19 900	55.4	61.7	18 400							32.0
34.0				26.2	52.2	19 700 *	33.4	55.1	19 900	42.8	58.3	18 400	50.7	60.2	17 000							34.0
36.0				15.7	46.9	17 900 *	25.8	51.6	18 400	37.0	55.9	17 100	45.6	58.4	15 700							36.0
38.0							14.9	46.2	17 200	30.2	52.9	15 900	40.1	56.2	14 700	48.0	58.0	13 400				38.0
40.0										21.6	48.8	14 900	33.8	53.6	13 700	42.7	56.0	12 500				40.0
42.0													26.3	50.1	12 800	36.8	53.6	11 700	44.9	55.3	10 600	42.0
44.0													15.8	44.9	12 000	30.0	50.6	10 900	39.3	53.1	9 900	44.0
46.0																21.3	46.4	10 300	32.9	50.3	9 300	46.0
48.0																			25.1	46.7	8 800	48.0
50.0																			13.8	41.1	8 200	50.0



999 SERIES 2



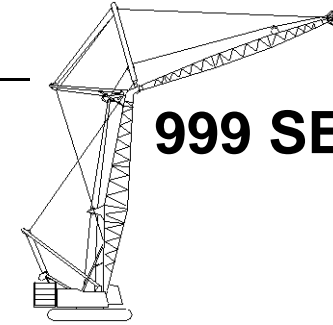
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	26 600 *													26.0
28.0	43.0	61.9	22 200 *	50.5	64.5	24 400 *	54.5	65.7	24 600 *	60.8	66.9	22 900										28.0
30.0	37.7	59.5	20 700 *	45.9	62.8	23 300 *	50.2	64.1	22 900	56.8	65.7	21 200										30.0
32.0	31.7	56.6	18 800 *	40.9	60.6	21 900 *	45.6	62.3	21 400	52.6	64.3	19 800										32.0
34.0	24.5	52.9	17 200 *	35.4	58.1	19 900 *	40.6	60.2	19 800	48.2	62.6	18 400	54.8	64.0	16 900							34.0
36.0	14.1	47.2	14 800 *	29.0	54.9	18 200 *	35.0	57.6	18 400	43.4	60.7	17 000	50.5	62.5	15 700							36.0
38.0				20.8	50.6	16 700 *	28.6	54.4	17 200	38.2	58.3	15 800	45.9	60.7	14 600							38.0
40.0							20.3	50.0	16 000	32.3	55.5	14 800	41.0	58.6	13 600	48.1	60.3	12 400				40.0
42.0										25.2	51.9	13 800	35.4	56.0	12 700	43.3	58.3	11 600				42.0
44.0										15.3	46.4	13 000	29.0	52.9	12 000	38.1	56.0	10 900				44.0
46.0													20.9	48.6	11 200	32.1	53.1	10 200	40.2	55.5	9 300	46.0
48.0																25.0	49.5	9 600	34.6	52.8	8 700	48.0
50.0																14.9	44.0	9 100	28.0	49.6	8 200	50.0
52.0																			19.6	45.0	7 700	52.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

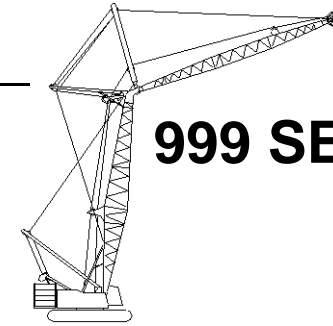
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.8	74.1	26 200 *b																			13.7
14.0	73.3	74.0	26 100 *b																			14.0
16.0	70.0	73.4	25 400 *b																			16.0
18.0	66.6	72.6	24 400 *																			18.0
20.0	63.2	71.6	23 100 *	68.6	72.7	25 300 *																20.0
22.0	59.6	70.5	21 900 *	65.2	71.9	24 100 *																22.0
24.0	55.9	69.3	20 800 *	61.7	70.9	22 900 *	65.0	71.5	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	21 000										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	19 500										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	18 300										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	17 000	54.3	66.3	15 700							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	15 800	50.4	64.8	14 600							38.0
40.0				24.3	53.7	15 600 *	30.7	57.0	16 000	39.2	60.7	14 800	46.2	63.0	13 600	52.2	64.2	12 400				40.0
42.0				15.0	48.1	14 200 *	23.9	53.2	15 000	33.9	58.0	13 900	41.7	60.9	12 700	48.2	62.6	11 600				42.0
44.0							14.3	47.4	14 100	27.8	54.7	13 000	36.7	58.5	11 900	43.8	60.6	10 900				44.0
46.0										20.1	50.2	12 200	31.1	55.5	11 200	39.1	58.4	10 200	45.6	59.9	9 200	46.0
48.0													24.4	51.7	10 500	33.8	55.7	9 600	41.0	57.8	8 600	48.0
50.0													15.0	46.1	9 900	27.7	52.3	9 000	36.0	55.3	8 100	50.0
52.0																19.9	47.8	8 500	30.3	52.2	7 700	52.0
54.0																			23.3	48.3	7 200	54.0
56.0																			13.3	42.2	6 800	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

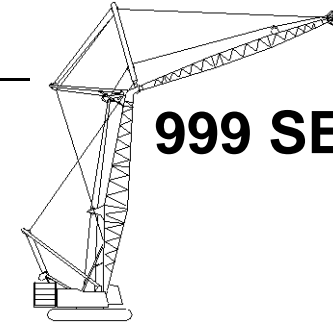
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	19 200										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	18 000										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	16 800										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	15 700	53.9	68.6	14 400							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	14 600	50.3	67.1	13 400							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	13 700	46.4	65.3	12 600							42.0
44.0				19.6	51.9	13 200 *	26.5	56.1	13 800 *	35.3	60.5	12 900	42.3	63.2	11 800	48.2	64.9	10 700				44.0
46.0							19.1	51.3	13 200	29.9	57.4	12 100	37.8	60.9	11 100	44.2	63.0	10 000				46.0
48.0										23.5	53.4	11 400	32.8	58.0	10 400	39.9	60.7	9 400	45.9	62.2	8 500	48.0
50.0										14.6	47.6	10 800	26.9	54.6	9 800	35.2	58.1	8 900	41.7	60.1	8 000	50.0
52.0													19.6	49.9	9 200	29.8	55.0	8 300	37.1	57.7	7 500	52.0
54.0																23.3	51.0	7 900	32.0	54.8	7 100	54.0
56.0																14.3	45.1	7 500	26.1	51.2	6 700	56.0
58.0																			18.4	46.3	6 300	58.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

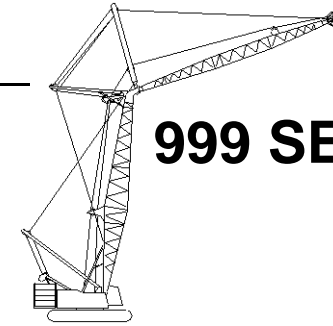
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	14 400	53.6	70.9	13 200							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	13 500	50.2	69.4	12 300							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	12 600	46.6	67.6	11 500							44.0
46.0				22.8	55.2	11 000 *	28.6	58.8	11 600 *	36.4	62.9	11 900	42.8	65.6	10 800	48.3	67.2	9 800				46.0
48.0				14.4	49.3	10 600 *	22.4	54.6	11 100 *	31.6	60.0	11 200	38.7	63.3	10 200	44.6	65.3	9 200				48.0
50.0							13.7	48.5	10 700 *	26.0	56.3	10 600	34.1	60.5	9 600	40.6	63.1	8 600				50.0
52.0										19.0	51.5	10 000	29.0	57.3	9 000	36.3	60.6	8 100	42.2	62.5	7 300	52.0
54.0													22.9	53.2	8 500	31.5	57.6	7 700	38.1	60.1	6 800	54.0
56.0													14.5	47.2	8 100	25.9	53.9	7 200	33.5	57.3	6 400	56.0
58.0																18.8	49.1	6 800	28.2	54.0	6 100	58.0
60.0																			21.9	49.7	5 700	60.0
62.0																			12.9	43.3	5 400	62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

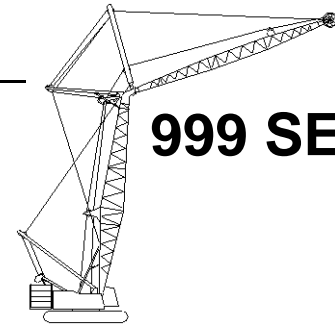
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	13 100							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	12 300							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	11 500							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	10 700	51.6	71.2	9 700				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	10 100	48.3	69.5	9 100				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	9 500	44.9	67.6	8 600				50.0
52.0							18.1	52.6	8 900 *	28.1	59.1	9 600 *	35.3	63.0	9 000	41.2	65.4	8 100	46.3	66.8	7 200	52.0
54.0										22.1	54.8	9 100 *	30.7	59.9	8 500	37.2	63.0	7 600	42.7	64.8	6 800	54.0
56.0										14.1	48.7	8 700 *	25.3	56.2	8 000	32.9	60.1	7 100	38.9	62.5	6 300	56.0
58.0													18.6	51.2	7 600	27.9	56.7	6 800	34.7	59.8	6 000	58.0
60.0																22.0	52.4	6 400	30.0	56.7	5 700	60.0
62.0																13.8	46.2	6 100	24.5	52.8	5 300	62.0
64.0																			17.5	47.6	5 000	64.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

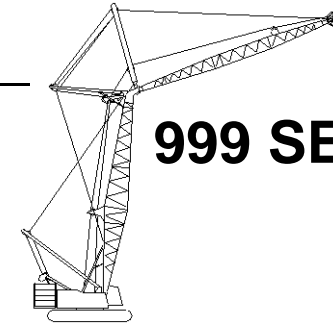
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.2	85.9	18 300 *																			16.8
18.0	72.7	85.5	17 700 *																			18.0
20.0	70.2	84.9	16 700 *																			20.0
22.0	67.7	84.1	15 800 *																			22.0
24.0	65.1	83.2	14 900 *	69.2	84.3	16 400 *																24.0
26.0	62.5	82.2	14 100 *	66.6	83.4	15 500 *																26.0
28.0	59.8	81.1	13 200 *	64.1	82.5	14 700 *	66.5	83.1	15 400 *													28.0
30.0	57.1	79.9	12 400 *	61.4	81.5	13 800 *	63.9	82.2	14 600 *													30.0
32.0	54.2	78.6	11 700 *	58.7	80.3	13 000 *	61.3	81.1	13 800 *													32.0
34.0	51.3	77.0	11 000 *	55.9	79.1	12 300 *	58.5	80.0	13 000 *													34.0
36.0	48.2	75.3	10 300 *	53.0	77.6	11 500 *	55.7	78.7	12 300 *	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	12 000							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	11 200							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	10 500							46.0
48.0	24.1	58.9	7 100 *	32.0	64.6	7 900 *	36.0	67.0	8 500 *	41.8	70.1	9 300 *	46.9	72.2	9 900	51.4	73.5	8 900				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	9 300	48.4	71.8	8 300				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	8 700	45.1	69.9	7 800				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	8 300	41.7	67.8	7 400	46.5	69.1	6 500	54.0
56.0							13.4	49.6	6 700 *	24.6	57.9	7 300 *	32.1	62.5	7 800	38.1	65.4	6 900	43.1	67.1	6 100	56.0
58.0										18.1	52.8	6 900 *	27.3	59.0	7 400	34.1	62.6	6 600	39.6	64.9	5 700	58.0
60.0													21.7	54.6	7 000	29.6	59.4	6 200	35.7	62.3	5 400	60.0
62.0													14.0	48.4	6 600	24.4	55.5	5 800	31.5	59.3	5 100	62.0
64.0																17.9	50.3	5 500	26.6	55.7	4 800	64.0
66.0																			20.8	51.1	4 600	66.0
68.0																			12.6	44.4	4 300	68.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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



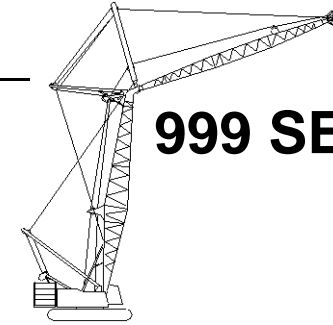
999 SERIES 2

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

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.2	89.1	16 900 *																			16.8
18.0	73.7	88.7	16 300 *																			18.0
20.0	71.4	88.1	15 500 *																			20.0
22.0	69.1	87.4	14 600 *																			22.0
24.0	66.7	86.6	13 700 *																			24.0
26.0	64.2	85.7	12 900 *	68.1	86.8	14 300 *																26.0
28.0	61.8	84.6	12 100 *	65.7	85.9	13 500 *																28.0
30.0	59.2	83.5	11 400 *	63.2	84.9	12 700 *	65.5	85.5	13 400 *													30.0
32.0	56.6	82.3	10 700 *	60.7	83.9	11 900 *	63.1	84.6	12 600 *													32.0
34.0	53.9	80.9	10 000 *	58.2	82.7	11 200 *	60.6	83.5	11 900 *													34.0
36.0	51.1	79.3	9 300 *	55.5	81.4	10 500 *	58.0	82.3	11 200 *													36.0
38.0	48.2	77.6	8 700 *	52.8	79.9	9 800 *	55.4	81.0	10 500 *	59.4	82.2	11 500 *										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	8 100				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	7 700				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	7 200				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	6 800				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	6 400	43.5	69.5	5 600	58.0
60.0										21.1	56.3	5 400 *	29.0	61.7	6 200 *	35.1	65.1	6 000	40.2	67.2	5 300	60.0
62.0										13.7	49.9	4 900 *	24.0	57.7	5 700 *	31.0	62.0	5 700	36.6	64.7	4 900	62.0
64.0													17.8	52.5	5 200 *	26.4	58.4	5 300	32.7	61.8	4 600	64.0
66.0																20.9	53.8	5 100	28.4	58.4	4 400	66.0
68.0																13.4	47.4	4 800	23.3	54.3	4 100	68.0
70.0																			16.8	48.8	3 900	70.0



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Liftcrane Luffing Jib Capacities

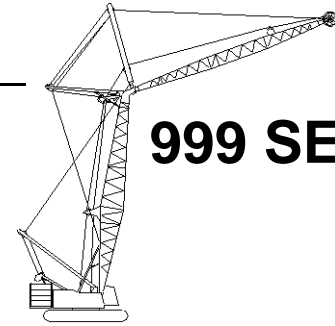
Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	61.7	60.8	44 500 *b																			13.7
14.0	60.8	60.7	44 100 *b																			14.0
16.0	54.4	59.4	41 700 *b																			16.0
18.0	47.5	57.8	39 700 *	59.1	60.0	41 900 b																18.0
20.0	39.7	55.7	35 400 *	52.6	58.6	37 700 b	59.2	59.7	36 000 b													20.0
22.0	30.4	52.8	31 100 *	45.5	56.9	34 300	52.7	58.3	32 700 b													22.0
24.0	17.0	48.3	25 200 *	37.3	54.6	31 500	45.6	56.6	30 000	57.2	58.5	27 700 b										24.0
26.0				27.3	51.5	29 000	37.5	54.4	27 700	50.5	57.0	25 400 b										26.0
28.0							27.5	51.2	25 500	43.2	55.2	23 500	54.9	56.9	21 600 b							28.0
30.0										34.6	52.7	21 600	48.0	55.3	19 900							30.0
32.0										23.6	49.1	19 900	40.3	53.3	18 300	52.1	54.9	16 700 b				32.0
34.0													31.0	50.5	16 900	44.9	53.1	15 400				34.0
36.0													18.1	46.1	15 700	36.7	50.8	14 300				36.0
38.0																26.4	47.6	13 300	41.1	50.5	12 100	38.0
40.0																			32.1	47.8	11 200	40.0
42.0																			19.8	43.7	10 500	42.0

REFERENCE ONLY!



999 SERIES 2

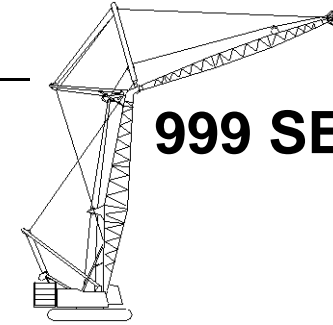
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	37 200 b	63.4	63.2	35 500 b													20.0
22.0	41.0	58.0	31 500 *	52.1	61.0	33 800	58.0	62.0	32 200 b													22.0
24.0	33.2	55.4	28 000 *	45.9	59.2	31 000	52.3	60.6	29 500													24.0
26.0	23.2	51.7	25 000 *	38.9	57.0	28 600	46.1	58.9	27 200	56.2	60.8	25 100										26.0
28.0				30.7	54.2	26 500	39.1	56.7	25 200	50.4	59.3	23 200										28.0
30.0				19.6	49.9	24 200	30.9	53.9	23 400	43.9	57.5	21 500	54.2	59.2	19 800							30.0
32.0							20.0	49.7	21 500	36.7	55.1	19 900	48.1	57.6	18 200							32.0
34.0										27.9	51.9	18 300	41.4	55.6	16 800							34.0
36.0										15.0	46.8	17 000	33.7	53.0	15 600	45.4	55.5	14 200				36.0
38.0													24.0	49.4	14 500	38.4	53.2	13 200				38.0
40.0																30.0	50.3	12 300	42.2	52.8	11 100	40.0
42.0																18.6	45.9	11 500	34.6	50.3	10 400	42.0
44.0																			25.2	46.8	9 700	44.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

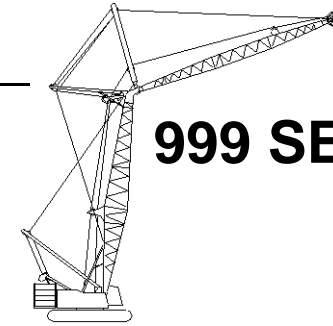
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	68.3	67.5	36 100 *b																			13.7
14.0	67.7	67.4	35 900 *b																			14.0
16.0	63.1	66.5	33 900 *b																			16.0
18.0	58.3	65.4	32 100 *	66.4	66.8	35 800 *b																18.0
20.0	53.3	64.0	30 500 *	61.8	65.9	34 000 *b	66.5	66.5	34 900 b													20.0
22.0	47.9	62.4	29 100 *	56.9	64.7	32 300 *	61.9	65.6	31 700 b													22.0
24.0	41.9	60.4	27 600 *	51.8	63.3	30 400	57.1	64.4	29 000													24.0
26.0	35.2	57.9	25 000 *	46.3	61.5	28 100	51.9	63.0	26 700	60.4	64.4	24 600										26.0
28.0	27.2	54.6	22 700 *	40.2	59.4	26 000	46.4	61.2	24 800	55.4	63.1	22 800										28.0
30.0	15.7	49.5	19 400 *	33.2	56.7	24 200	40.3	59.1	23 100	50.2	61.6	21 200										30.0
32.0				24.5	53.1	22 100 *	33.3	56.4	21 400	44.5	59.8	19 700	53.6	61.5	18 100							32.0
34.0							24.7	52.8	19 800	38.2	57.5	18 200	48.2	59.9	16 700							34.0
36.0										30.8	54.6	16 900	42.3	57.9	15 500							36.0
38.0										21.3	50.5	15 700	35.7	55.5	14 400	45.8	57.8	13 100				38.0
40.0													27.7	52.2	13 400	39.7	55.6	12 200				40.0
42.0													16.7	47.3	12 600	32.6	52.9	11 400	43.0	55.1	10 200	42.0
44.0																23.8	49.1	10 600	36.4	52.7	9 600	44.0
46.0																			28.7	49.6	9 000	46.0
48.0																			18.1	45.0	8 400	48.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

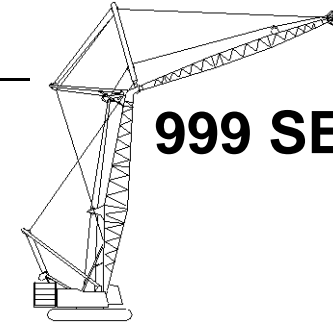
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



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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	31 100 b													22.0
24.0	48.0	64.7	25 400 *	56.2	67.0	28 400 *	60.7	67.9	28 400													24.0
26.0	42.7	62.7	24 200 *	51.5	65.6	26 900 *	56.3	66.7	26 200													26.0
28.0	36.8	60.3	22 600 *	46.5	63.8	25 500 *	51.6	65.3	24 200	59.3	66.8	22 300										28.0
30.0	30.0	57.3	20 500 *	41.1	61.7	23 700	46.7	63.5	22 500	54.8	65.5	20 700										30.0
32.0	21.2	53.1	18 700 *	35.0	59.2	21 900	41.2	61.5	21 100	50.1	63.9	19 300	57.7	65.2	17 600							32.0
34.0				27.8	55.9	20 000 *	35.2	58.9	19 600	45.0	62.1	18 000	53.2	63.8	16 400							34.0
36.0				18.1	51.2	18 300 *	28.0	55.7	18 200	39.4	59.9	16 700	48.3	62.2	15 200							36.0
38.0							18.4	51.0	16 900	33.0	57.2	15 500	43.0	60.3	14 100							38.0
40.0										25.3	53.6	14 500	37.2	57.9	13 200	46.2	60.1	11 900				40.0
42.0										14.1	48.0	13 600	30.4	54.9	12 300	40.7	58.0	11 100				42.0
44.0													21.9	50.8	11 500	34.5	55.4	10 400	43.6	57.5	9 300	44.0
46.0																27.2	52.0	9 800	37.8	55.1	8 700	46.0
48.0																17.3	47.1	9 200	31.2	52.2	8 200	48.0
50.0																			22.9	48.3	7 700	50.0



999 SERIES 2

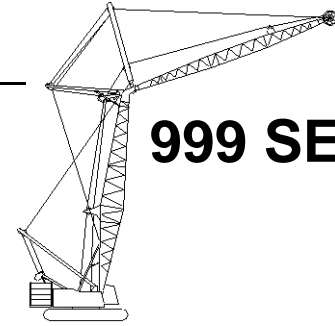
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	72.4	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	28 000													24.0
26.0	48.1	67.0	23 400 *	55.5	69.4	25 800 *	59.7	70.3	25 800													26.0
28.0	43.3	65.0	22 300 *	51.3	67.9	24 600 *	55.6	69.0	23 900													28.0
30.0	38.0	62.7	20 800 *	46.8	66.1	23 400	51.4	67.6	22 300	58.4	69.1	20 400										30.0
32.0	32.1	59.8	18 900 *	41.9	64.1	21 900	46.9	65.8	20 800	54.3	67.8	19 000										32.0
34.0	24.9	56.2	17 300 *	36.5	61.6	20 300 *	42.0	63.8	19 500	50.0	66.2	17 800	57.0	67.6	16 300							34.0
36.0	14.9	50.6	15 200 *	30.2	58.6	18 500 *	36.6	61.3	18 200	45.4	64.4	16 700	52.8	66.2	15 200							36.0
38.0				22.5	54.6	16 900 *	30.4	58.3	16 900	40.3	62.3	15 500	48.4	64.5	14 100							38.0
40.0							22.7	54.3	15 800	34.7	59.7	14 500	43.6	62.6	13 100	51.0	64.1	11 900				40.0
42.0										28.2	56.4	13 500	38.4	60.3	12 300	46.4	62.4	11 100				42.0
44.0										19.7	51.9	12 700	32.5	57.5	11 500	41.5	60.3	10 400				44.0
46.0													25.4	53.9	10 800	36.0	57.8	9 700	44.1	59.8	8 700	46.0
48.0													15.7	48.5	10 200	29.8	54.7	9 100	39.0	57.5	8 100	48.0
50.0																21.9	50.6	8 600	33.2	54.8	7 600	50.0
52.0																			26.3	51.3	7 200	52.0
54.0																			17.0	46.2	6 800	54.0



999 SERIES 2

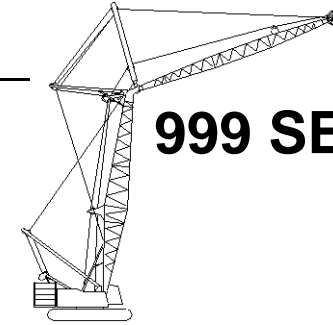
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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	18 800										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	17 600										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	16 500										36.0
38.0	19.8	54.4	14 900 *	32.2	61.2	16 400 *	37.8	63.8	16 900	45.7	66.7	15 500	52.5	68.5	14 100							38.0
40.0				25.7	57.5	15 800 *	32.3	60.9	15 800	41.1	64.6	14 400	48.4	66.8	13 100							40.0
42.0				17.1	52.4	14 600 *	25.8	57.3	14 800	36.1	62.1	13 500	44.1	64.9	12 200	50.8	66.4	11 000				42.0
44.0							17.3	52.2	13 900	30.4	59.0	12 700	39.4	62.7	11 500	46.6	64.7	10 300				44.0
46.0										23.4	55.1	11 900	34.1	60.0	10 800	42.2	62.6	9 700				46.0
48.0										13.5	49.1	11 200	28.1	56.7	10 200	37.3	60.2	9 100	44.5	62.1	8 100	48.0
50.0													20.4	52.2	9 600	31.7	57.3	8 600	39.9	59.9	7 600	50.0
52.0																25.1	53.6	8 100	34.7	57.3	7 100	52.0
54.0																16.3	48.3	7 600	28.7	54.0	6 700	54.0
56.0																			21.3	49.7	6 300	56.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

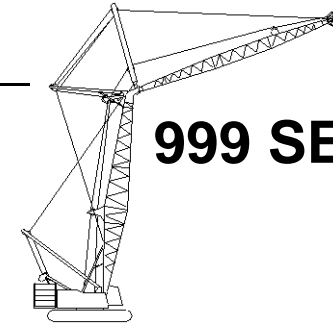
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	80.3	24 200 *b																			13.7
14.0	74.8	80.3	24 100 *b																			14.0
16.0	71.8	79.7	23 500 *																			16.0
18.0	68.7	78.9	22 500 *																			18.0
20.0	65.5	78.1	21 400 *																			20.0
22.0	62.3	77.1	20 300 *	67.8	78.4	22 400 *																22.0
24.0	59.0	76.0	19 300 *	64.6	77.5	21 300 *																24.0
26.0	55.6	74.7	18 400 *	61.4	76.5	20 300 *	64.7	77.2	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	18 500										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	17 300										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	16 200										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	15 200										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	14 300	52.2	70.8	12 900							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	13 400	48.5	69.1	12 100							42.0
44.0				21.1	56.0	13 300 *	28.2	60.1	13 800	37.2	64.5	12 500	44.5	67.2	11 300							44.0
46.0							21.3	55.7	13 000	32.1	61.6	11 800	40.2	65.0	10 600	46.8	67.0	9 500				46.0
48.0										26.2	58.0	11 100	35.4	62.4	10 000	42.7	65.0	8 900				48.0
50.0										18.6	53.2	10 500	30.1	59.3	9 400	38.3	62.6	8 400	44.9	64.4	7 400	50.0
52.0													23.7	55.4	8 900	33.3	59.8	7 900	40.6	62.2	6 900	52.0
54.0													15.0	49.7	8 400	27.6	56.5	7 400	36.0	59.7	6 500	54.0
56.0																20.5	52.0	7 000	30.7	56.7	6 100	56.0
58.0																			24.5	52.8	5 800	58.0
60.0																			16.1	47.4	5 500	60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

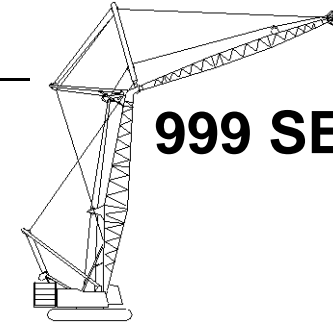
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	16 900										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	15 800										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	14 900										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	14 000	55.3	74.6	12 600							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	13 200	52.0	73.1	11 900							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	12 300	48.5	71.4	11 100							44.0
46.0				24.1	59.1	11 100 *	30.1	62.8	11 800 *	38.1	66.9	11 600	44.8	69.5	10 400	50.6	71.0	9 300				46.0
48.0				16.3	53.6	10 700 *	24.2	58.9	11 200 *	33.6	64.1	10 900	40.8	67.4	9 800	47.0	69.3	8 700				48.0
50.0							16.5	53.5	10 800 *	28.3	60.8	10 300	36.6	64.9	9 200	43.2	67.3	8 100				50.0
52.0										22.0	56.6	9 700	31.8	61.9	8 700	39.1	65.0	7 700	45.2	66.7	6 700	52.0
54.0										13.1	50.2	9 200	26.2	58.3	8 200	34.6	62.3	7 200	41.3	64.6	6 300	54.0
56.0													19.3	53.5	7 700	29.6	59.1	6 800	37.0	62.1	5 900	56.0
58.0																23.6	55.2	6 400	32.3	59.2	5 600	58.0
60.0																15.6	49.5	6 100	26.9	55.7	5 300	60.0
62.0																			20.1	51.1	4 900	62.0
64.0																			9.6	43.6	4 700	64.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

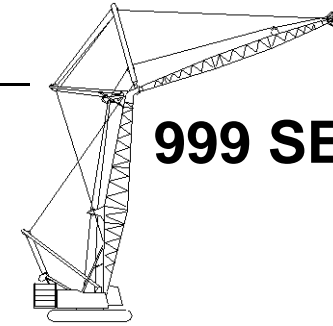
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	11 700							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	11 000							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	11 500	48.5	73.7	10 300							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	10 800	45.1	71.8	9 700	50.5	73.3	8 600				48.0
50.0				20.0	57.3	8 900 *	26.5	61.8	9 500 *	34.8	66.6	10 200	41.4	69.7	9 100	47.1	71.6	8 100				50.0
52.0							20.2	57.1	9 000 *	30.1	63.5	9 600	37.5	67.3	8 600	43.6	69.6	7 600				52.0
54.0										24.6	59.6	9 100	33.1	64.5	8 100	39.8	67.4	7 100	45.5	69.0	6 200	54.0
56.0										17.7	54.4	8 600	28.2	61.1	7 600	35.7	64.8	6 700	41.8	66.9	5 800	56.0
58.0													22.4	56.9	7 200	31.2	61.8	6 300	37.9	64.5	5 500	58.0
60.0													14.4	50.8	6 900	26.0	58.1	6 000	33.6	61.7	5 200	60.0
62.0																19.5	53.3	5 700	28.8	58.4	4 900	62.0
64.0																9.4	45.5	5 400	23.0	54.3	4 600	64.0
66.0																			15.4	48.6	4 300	66.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

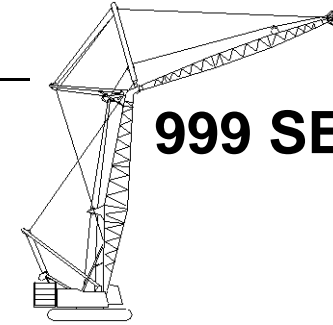
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	89.0	18 200 *																			16.8
18.0	72.8	88.6	17 600 *																			18.0
20.0	70.3	88.0	16 700 *																			20.0
22.0	67.8	87.2	15 800 *																			22.0
24.0	65.3	86.3	14 900 *																			24.0
26.0	62.6	85.4	14 100 *	67.1	86.6	15 600 *																26.0
28.0	60.0	84.3	13 200 *	64.5	85.7	14 800 *	67.2	86.3	15 600 *													28.0
30.0	57.2	83.0	12 500 *	61.9	84.7	14 000 *	64.6	85.4	14 800 *													30.0
32.0	54.4	81.7	11 700 *	59.2	83.6	13 200 *	62.0	84.4	14 000 *													32.0
34.0	51.4	80.2	11 000 *	56.4	82.3	12 400 *	59.3	83.3	13 200 *													34.0
36.0	48.4	78.5	10 400 *	53.6	80.9	11 700 *	56.5	82.0	12 400 *	61.1	83.3	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	10 700							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	10 100							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	9 500							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	8 900	50.4	75.6	7 800				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	8 400	47.2	73.9	7 300				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	7 900	44.0	71.9	6 900				54.0
56.0							15.8	54.7	6 800 *	26.7	62.5	7 500 *	34.3	67.0	7 400	40.5	69.7	6 500	45.7	71.3	5 600	56.0
58.0										20.9	58.0	7 100 *	29.9	63.8	7 000	36.7	67.2	6 100	42.3	69.3	5 200	58.0
60.0										12.8	51.4	6 800 *	24.8	59.9	6 700	32.5	64.3	5 800	38.7	66.9	4 900	60.0
62.0													18.4	54.8	6 300	27.9	60.9	5 500	34.8	64.2	4 600	62.0
64.0													8.1	46.3	6 000	22.3	56.6	5 200	30.4	61.1	4 400	64.0
66.0																15.0	50.7	4 900	25.4	57.3	4 100	66.0
68.0																			19.1	52.4	3 900	68.0
70.0																			9.7	44.7	3 600	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

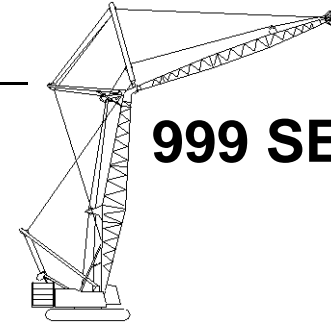
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.3	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	9 800							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	9 300							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	8 700							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	8 200	50.3	77.9	7 200				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	7 700	47.3	76.2	6 800				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	7 300	44.3	74.2	6 300				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	6 000	45.9	73.6	5 100	58.0
60.0										23.4	61.1	5 600 *	31.3	66.4	6 500 *	37.5	69.6	5 600	42.7	71.6	4 800	60.0
62.0										17.0	55.7	5 100 *	26.7	62.8	6 000 *	33.7	66.8	5 300	39.3	69.3	4 500	62.0
64.0										5.7	45.7	4 700 *	21.3	58.3	5 400 *	29.5	63.6	5 000	35.7	66.7	4 200	64.0
66.0													14.0	52.0	5 000 *	24.6	59.7	4 700	31.7	63.7	3 900	66.0
68.0																18.6	54.6	4 400	27.2	60.1	3 700	68.0
70.0																9.5	46.6	4 200	21.9	55.8	3 500	70.0
72.0																			14.9	49.8	3 300	72.0



999 SERIES 2



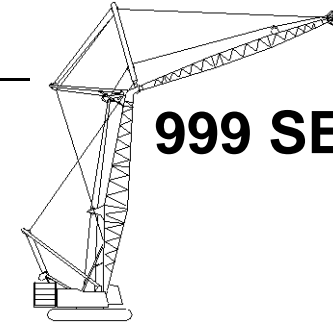
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	36 800 b	60.9	63.0	35 000 b													20.0
22.0	30.9	56.0	31 100 *	46.8	60.3	33 500	54.5	61.7	31 800 b													22.0
24.0	17.9	51.6	24 600 *	38.9	58.1	30 700	47.6	60.1	29 100													24.0
26.0				29.4	55.2	28 400	39.8	58.0	26 900	53.2	60.6	24 600 b										26.0
28.0							30.5	55.2	24 900	46.2	58.9	22 700										28.0
30.0							17.1	50.6	23 100	38.2	56.7	21 100	51.7	59.1	19 200							30.0
32.0										28.4	53.6	19 500	44.4	57.3	17 700							32.0
34.0													36.1	54.9	16 400	49.6	57.1	14 800 b				34.0
36.0													25.6	51.6	15 200	42.1	55.2	13 700				36.0
38.0																33.4	52.6	12 700				38.0
40.0																21.7	48.7	11 900				40.0
42.0																			39.1	52.5	10 600	42.0
44.0																			15.6	44.8	9 300	44.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	65.7	67.3	39 700 *b																			13.7
14.0	65.0	67.2	39 400 *b																			14.0
16.0	59.7	66.1	37 300 *b																			16.0
18.0	54.1	64.8	35 300 *	64.2	66.7	39 800 *b																18.0
20.0	48.0	63.2	33 500 *	58.9	65.6	36 300 b	64.8	66.4	34 500 b													20.0
22.0	41.4	61.2	31 600 *	53.2	64.3	33 000	59.5	65.4	31 300 b													22.0
24.0	33.6	58.6	28 200 *	47.1	62.6	30 300	53.8	64.0	28 700													24.0
26.0	23.9	54.9	24 700 *	40.3	60.5	27 900	47.8	62.4	26 500	58.4	64.3	24 200 b										26.0
28.0				32.4	57.8	25 900	41.0	60.4	24 600	52.7	62.9	22 400										28.0
30.0				22.1	53.9	24 100	33.3	57.7	22 900	46.6	61.2	20 800										30.0
32.0							23.3	54.0	21 200	39.7	59.1	19 400	51.3	61.4	17 600							32.0
34.0										31.6	56.3	17 900	45.0	59.6	16 300							34.0
36.0										21.0	52.2	16 600	37.9	57.3	15 100	49.5	59.4	13 600				36.0
38.0													29.4	54.3	14 100	43.0	57.5	12 700				38.0
40.0																35.6	55.0	11 800				40.0
42.0																26.5	51.7	11 000	40.5	54.9	9 800	42.0
44.0																12.3	46.1	10 300	32.6	52.2	9 200	44.0
46.0																			22.4	48.4	8 600	46.0

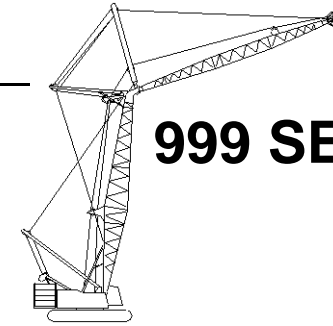
REFERENCE ONLY!



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

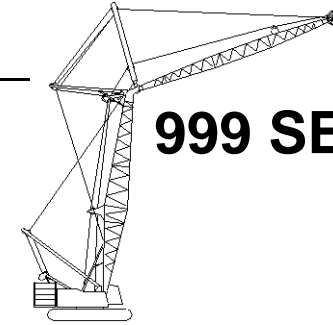
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	32 300	63.1	68.8	30 900 b													22.0
24.0	42.3	63.5	27 700 *	52.8	66.6	29 800	58.4	67.7	28 200													24.0
26.0	35.6	61.1	25 100 *	47.3	64.9	27 400	53.3	66.4	26 000	62.3	67.8	23 800 b										26.0
28.0	27.6	57.8	22 800 *	41.3	62.9	25 400	47.9	64.7	24 100	57.4	66.6	22 000										28.0
30.0	16.5	52.9	19 100 *	34.5	60.3	23 700	42.0	62.7	22 400	52.3	65.2	20 400										30.0
32.0				26.3	56.9	22 200	35.3	60.2	21 000	46.8	63.5	19 000	56.3	65.1	17 300							32.0
34.0							27.2	56.9	19 500	40.8	61.4	17 800	51.1	63.7	16 100							34.0
36.0							15.8	51.9	18 100	33.9	58.8	16 500	45.5	61.9	15 000							36.0
38.0										25.5	55.3	15 400	39.3	59.7	13 900							38.0
40.0													32.1	56.9	13 000	43.7	59.8	11 600				40.0
42.0													23.1	53.1	12 100	37.3	57.5	10 800				42.0
44.0																29.7	54.4	10 200	41.5	57.2	9 000	44.0
46.0																19.7	50.1	9 500	34.7	54.7	8 400	46.0
48.0																			26.5	51.3	7 900	48.0
50.0																			14.6	46.0	7 400	50.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

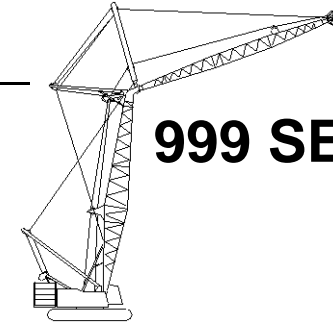
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	70.8	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	30 200 b													22.0
24.0	48.2	67.8	25 400 *	57.0	70.3	28 600 *	61.8	71.2	27 700													24.0
26.0	43.0	65.9	24 200 *	52.4	68.9	26 900	57.5	70.1	25 500													26.0
28.0	37.1	63.5	22 700 *	47.5	67.2	24 900	52.9	68.7	23 600	61.0	70.2	21 500										28.0
30.0	30.4	60.5	20 500 *	42.2	65.2	23 200	48.0	67.0	21 900	56.6	69.0	19 900										30.0
32.0	21.8	56.4	18 800 *	36.2	62.7	21 700	42.7	65.0	20 500	52.0	67.5	18 600										32.0
34.0				29.2	59.6	20 300	36.8	62.6	19 200	47.0	65.8	17 400	55.6	67.5	15 700							34.0
36.0				20.3	55.3	18 600 *	30.0	59.6	17 900	41.7	63.8	16 300	50.9	66.0	14 700							36.0
38.0							21.3	55.5	16 700	35.6	61.3	15 200	45.8	64.2	13 700							38.0
40.0										28.6	58.1	14 100	40.3	62.0	12 700	49.4	64.0	11 400				40.0
42.0										19.3	53.6	13 200	34.1	59.4	11 900	44.3	62.1	10 600				42.0
44.0													26.7	56.0	11 100	38.6	59.9	9 900				44.0
46.0																32.1	57.0	9 300	42.3	59.6	8 100	46.0
48.0																24.1	53.3	8 700	36.4	57.1	7 600	48.0
50.0																11.9	47.1	8 200	29.4	54.0	7 100	50.0
52.0																			20.5	49.8	6 700	52.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

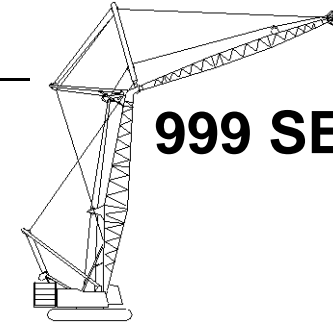
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	27 400													24.0
26.0	48.3	70.1	23 400 *	56.3	72.6	26 100 *	60.7	73.6	25 200													26.0
28.0	43.5	68.2	22 300 *	52.1	71.2	24 700 *	56.7	72.4	23 300													28.0
30.0	38.3	65.9	21 000 *	47.6	69.5	22 900	52.5	71.0	21 700	60.0	72.5	19 700										30.0
32.0	32.4	63.1	19 300 *	42.8	67.5	21 400	48.1	69.3	20 200	56.0	71.3	18 400										32.0
34.0	25.3	59.4	17 700 *	37.5	65.1	20 100	43.3	67.4	18 900	51.7	69.8	17 200										34.0
36.0	15.5	54.1	15 400 *	31.5	62.2	18 800	38.1	65.0	17 800	47.2	68.1	16 100	55.0	69.8	14 500							36.0
38.0				24.1	58.4	17 500	32.1	62.2	16 700	42.4	66.1	15 100	50.7	68.3	13 600							38.0
40.0							25.0	58.5	15 500	37.0	63.7	14 100	46.1	66.5	12 700							40.0
42.0							15.0	53.0	14 600	30.9	60.7	13 200	41.2	64.4	11 800	49.4	66.3	10 500				42.0
44.0										23.4	56.8	12 400	35.7	61.9	11 100	44.7	64.4	9 900				44.0
46.0													29.3	58.7	10 400	39.6	62.2	9 200				46.0
48.0													21.3	54.5	9 800	33.9	59.6	8 700	42.9	61.9	7 600	48.0
50.0																27.2	56.2	8 100	37.6	59.6	7 100	50.0
52.0																18.4	51.4	7 700	31.6	56.7	6 700	52.0
54.0																			24.3	52.9	6 300	54.0
56.0																			13.9	47.1	5 900	56.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

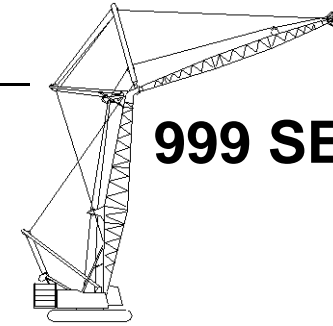
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

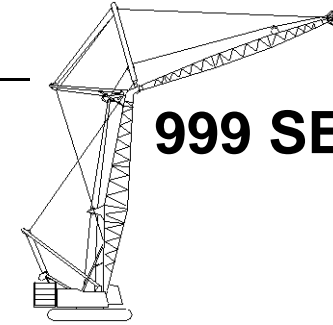
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	17 800										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	16 700										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	15 600										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	14 700										38.0
40.0	23.6	61.0	13 300 *	34.7	67.3	14 600 *	39.9	69.8	15 400	47.5	72.7	13 800	54.1	74.4	12 400							40.0
42.0	14.8	55.2	12 200 *	29.2	64.0	14 000 *	35.2	67.2	14 400	43.4	70.7	13 000	50.4	72.9	11 600							42.0
44.0				22.5	59.9	13 500 *	29.8	64.0	13 600	39.1	68.5	12 200	46.6	71.1	10 900							44.0
46.0							23.3	60.0	12 800	34.2	65.8	11 500	42.5	69.1	10 200	49.3	70.9	9 000				46.0
48.0							14.3	54.2	12 000	28.7	62.5	10 800	38.0	66.7	9 600	45.4	69.1	8 500				48.0
50.0										21.9	58.3	10 200	33.0	63.9	9 100	41.2	66.9	8 000				50.0
52.0													27.2	60.4	8 500	36.6	64.5	7 500	43.9	66.6	6 400	52.0
54.0													20.0	55.9	8 000	31.4	61.5	7 000	39.6	64.3	6 000	54.0
56.0																25.3	57.8	6 600	34.8	61.7	5 700	56.0
58.0																17.4	52.7	6 300	29.3	58.5	5 300	58.0
60.0																			22.7	54.4	5 000	60.0
62.0																			13.4	48.3	4 700	62.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

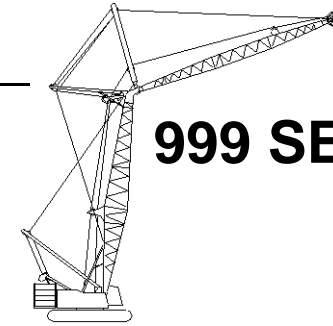
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	86.2	21 900 *																			15.2
16.0	73.2	85.9	21 600 *																			16.0
18.0	70.4	85.3	20 700 *																			18.0
20.0	67.5	84.5	19 600 *																			20.0
22.0	64.6	83.6	18 700 *	70.0	84.8	20 600 *																22.0
24.0	61.6	82.6	17 700 *	67.1	84.0	19 600 *																24.0
26.0	58.5	81.5	16 800 *	64.2	83.1	18 700 *	67.4	83.8	19 600 *													26.0
28.0	55.3	80.2	16 000 *	61.1	82.1	17 800 *	64.5	82.9	18 800 *													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	16 300										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	15 200										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	14 300										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	13 500	57.0	78.1	12 000							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	12 700	53.7	76.7	11 300							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	12 000	50.3	75.2	10 600							44.0
46.0				25.3	62.9	11 300 *	31.5	66.6	11 900 *	39.8	70.8	11 300	46.8	73.4	10 000							46.0
48.0				18.0	57.9	10 800 *	25.9	63.0	11 400 *	35.4	68.2	10 600	42.9	71.4	9 400	49.3	73.2	8 200				48.0
50.0							18.8	58.1	10 900 *	30.5	65.2	10 000	38.8	69.1	8 800	45.7	71.4	7 700				50.0
52.0										24.7	61.3	9 400	34.3	66.4	8 300	41.8	69.3	7 200				52.0
54.0										17.2	56.1	8 900	29.2	63.2	7 800	37.6	66.9	6 800	44.3	68.9	5 800	54.0
56.0													23.1	59.1	7 400	32.9	64.0	6 400	40.3	66.7	5 500	56.0
58.0																27.6	60.6	6 000	35.9	64.1	5 100	58.0
60.0																21.1	56.2	5 700	31.1	61.1	4 800	60.0
62.0																11.5	49.3	5 400	25.4	57.4	4 500	62.0
64.0																			18.2	52.4	4 300	64.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

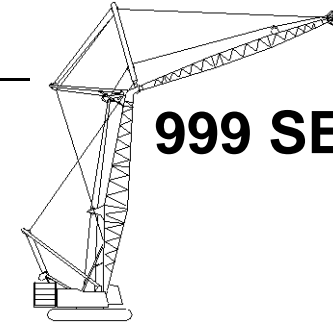
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.4	89.3	20 400 *																			15.2
16.0	74.4	89.1	20 000 *																			16.0
18.0	71.8	88.5	19 100 *																			18.0
20.0	69.1	87.8	18 200 *																			20.0
22.0	66.4	87.0	17 200 *																			22.0
24.0	63.6	86.0	16 400 *	68.7	87.3	18 100 *																24.0
26.0	60.8	85.0	15 500 *	66.0	86.5	17 200 *																26.0
28.0	57.9	83.8	14 600 *	63.2	85.5	16 400 *	66.3	86.2	17 200 *													28.0
30.0	54.9	82.5	13 900 *	60.4	84.5	15 500 *	63.5	85.3	16 400 *													30.0
32.0	51.8	81.0	13 100 *	57.5	83.3	14 700 *	60.7	84.2	15 600 *													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	15 000										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	14 100										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	13 300										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	12 500	56.5	80.4	11 100							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	11 800	53.4	79.0	10 500							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	11 200	50.2	77.5	9 900							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	10 500	46.9	75.7	9 300							48.0
50.0				21.3	61.3	9 000 *	27.9	65.8	9 600 *	36.5	70.7	9 900	43.4	73.7	8 700	49.3	75.5	7 600				50.0
52.0							22.0	61.5	9 100 *	32.0	67.7	9 300	39.6	71.5	8 300	45.9	73.7	7 200				52.0
54.0							13.9	55.3	8 700 *	26.9	64.2	8 900	35.5	68.9	7 800	42.3	71.6	6 700				54.0
56.0										20.7	59.7	8 400	30.9	65.8	7 300	38.4	69.3	6 300	44.6	71.2	5 400	56.0
58.0													25.6	62.1	6 900	34.2	66.5	6 000	40.9	69.0	5 000	58.0
60.0													19.0	57.2	6 600	29.4	63.3	5 600	36.9	66.5	4 700	60.0
62.0																23.8	59.3	5 300	32.5	63.7	4 400	62.0
64.0																16.6	53.9	5 000	27.5	60.2	4 200	64.0
66.0																			21.5	55.8	3 900	66.0
68.0																			13.0	49.4	3 700	68.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

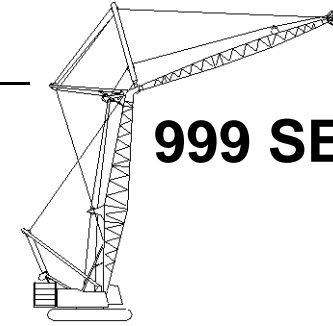
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	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	10 100						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	9 500						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	9 000						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	8 500						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	8 000	49.3	77.8	6 900			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	7 500	46.1	76.0	6 500			54.0	
56.0							18.0	59.4	6 900 *	28.7	66.9	7 800 *	36.4	71.3	7 100	42.7	73.9	6 100			56.0	
58.0										23.4	62.8	7 300 *	32.3	68.4	6 700	39.1	71.6	5 700	44.9	73.5	4 800	58.0
60.0										16.5	57.3	6 900 *	27.6	64.9	6 300	35.3	69.0	5 400	41.5	71.4	4 500	60.0
62.0													21.9	60.5	6 000	31.0	65.9	5 100	37.8	68.9	4 200	62.0
64.0													14.4	54.4	5 700	26.0	62.2	4 800	33.8	66.2	3 900	64.0
66.0																20.0	57.5	4 500	29.3	62.9	3 700	66.0
68.0																11.3	50.4	4 300	24.0	58.9	3 500	68.0
70.0																			17.4	53.6	3 300	70.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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



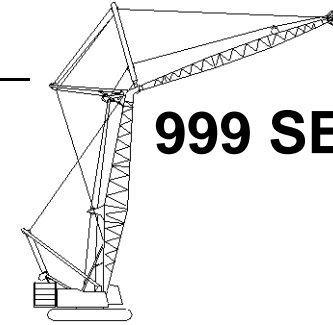
999 SERIES 2

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	9 300							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	8 700							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	8 300							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	7 800	52.1	81.7	6 700				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	7 400	49.3	80.1	6 300				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	6 900	46.3	78.3	5 900				56.0
58.0							20.9	62.9	5 400 *	30.2	69.6	6 300 *	37.3	73.7	6 600	43.1	76.3	5 600				58.0
60.0							13.5	56.4	5 000 *	25.5	65.8	5 900 *	33.4	70.9	6 100	39.8	74.0	5 200	45.1	75.8	4 300	60.0
62.0										19.7	61.0	5 300 *	29.2	67.6	5 800	36.2	71.4	4 900	41.9	73.7	4 000	62.0
64.0										11.5	53.9	4 900 *	24.3	63.6	5 500	32.3	68.5	4 600	38.5	71.3	3 800	64.0
66.0													18.2	58.5	5 200	27.8	65.0	4 300	34.8	68.6	3 500	66.0
68.0																22.6	60.8	4 100	30.7	65.5	3 300	68.0
70.0																16.0	55.1	3 900	26.1	61.8	3 100	70.0
72.0																			20.5	57.2	2 900	72.0



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Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	62.3	67.0	42 600 *b																			13.7
14.0	61.5	66.9	42 300 *b																			14.0
16.0	55.1	65.6	40 000 *b																			16.0
18.0	48.3	64.1	38 200 *																			18.0
20.0	40.6	62.0	36 100 *	55.0	65.2	36 000 b																20.0
22.0	31.5	59.3	31 700 *	48.2	63.7	32 800 b	56.2	65.1	31 000 b													22.0
24.0	18.8	55.0	25 000 *	40.5	61.6	30 100	49.5	63.6	28 400													24.0
26.0				31.3	58.9	27 800	42.0	61.6	26 200	55.8	64.1	23 700 b										26.0
28.0				18.6	54.6	25 000	33.2	59.0	24 300	49.1	62.6	22 000 b										28.0
30.0							21.4	55.2	22 700	41.5	60.6	20 400										30.0
32.0										32.6	57.9	19 100	48.3	61.1	17 100							32.0
34.0										20.5	53.9	17 700	40.6	59.1	15 900							34.0
36.0													31.5	56.3	14 700	47.1	59.2	13 100				36.0
38.0													18.8	52.1	13 700	39.2	57.1	12 200				38.0
40.0																29.7	54.2	11 400	45.2	56.9	10 000	40.0
42.0																15.8	49.4	10 600	37.1	54.6	9 300	42.0
44.0																		10 600	26.9	51.4	8 700	44.0

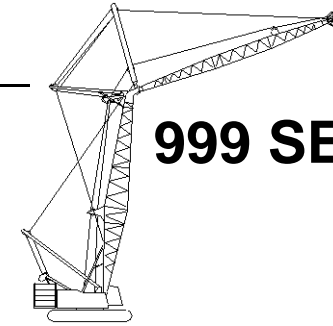
REFERENCE ONLY!



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

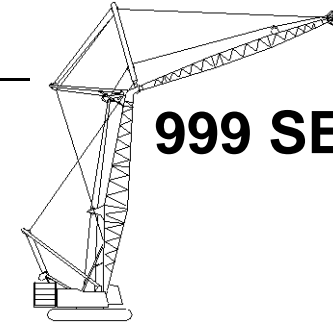
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	35 300 b	66.1	69.7	33 400 b													20.0
22.0	41.7	64.4	31 600 *	54.3	67.6	32 200 b	60.9	68.7	30 400 b													22.0
24.0	34.1	61.8	28 300 *	48.3	66.0	29 500	55.4	67.4	27 800													24.0
26.0	24.5	58.2	25 200 *	41.6	64.0	27 300	49.4	65.9	25 700	60.6	67.7	23 200 b										26.0
28.0				34.0	61.4	25 300	42.9	64.0	23 800	55.0	66.4	21 400 b										28.0
30.0				24.3	57.8	23 600	35.5	61.5	22 200	49.1	64.9	19 900										30.0
32.0				6.6	50.5	18 900	26.3	58.2	20 800	42.5	62.9	18 600	54.4	65.0	16 600							32.0
34.0										35.0	60.4	17 400	48.4	63.4	15 500							34.0
36.0										25.7	57.0	16 200	41.7	61.4	14 500							36.0
38.0										10.4	50.9	15 100	34.1	58.9	13 500	47.3	61.5	11 900				38.0
40.0													24.5	55.3	12 600	40.5	59.5	11 100				40.0
42.0																32.6	56.8	10 300				42.0
44.0																22.5	52.9	9 700	38.7	57.0	8 400	44.0
46.0																			30.4	54.1	7 900	46.0
48.0																			19.2	49.7	7 400	48.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

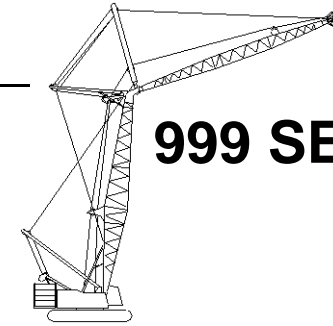
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	68.8	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	31 700	64.4	72.1	29 900 b													22.0
24.0	42.6	66.7	27 800 *	53.7	69.9	29 000	59.6	71.0	27 300													24.0
26.0	36.0	64.2	25 300 *	48.4	68.3	26 800	54.7	69.7	25 200													26.0
28.0	28.1	61.1	22 800 *	42.5	66.3	24 800	49.4	68.2	23 300	59.4	70.0	21 100 b										28.0
30.0	17.3	56.3	19 400 *	35.9	63.8	23 100	43.6	66.3	21 700	54.4	68.7	19 600										30.0
32.0				28.0	60.6	21 700	37.2	63.9	20 300	49.0	67.2	18 200										32.0
34.0				17.1	55.8	19 800	29.6	60.9	19 100	43.3	65.2	17 100	53.8	67.3	15 200							34.0
36.0							19.5	56.5	17 800	36.7	62.9	16 000	48.5	65.7	14 200							36.0
38.0										29.1	59.8	14 900	42.6	63.8	13 300							38.0
40.0										18.7	55.2	14 000	36.0	61.3	12 400	47.5	63.8	10 900				40.0
42.0													28.1	58.1	11 600	41.5	61.8	10 200				42.0
44.0													17.3	53.3	10 900	34.8	59.3	9 500				44.0
46.0																26.6	55.9	8 900	40.0	59.3	7 700	46.0
48.0																14.7	50.6	8 400	32.9	56.6	7 200	48.0
50.0																			24.2	53.0	6 800	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

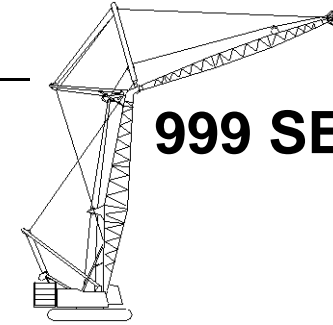
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



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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	28 400	62.9	74.5	26 800													24.0
26.0	43.3	69.0	24 300 *	53.3	72.2	26 200	58.6	73.4	24 700													26.0
28.0	37.5	66.7	22 800 *	48.4	70.6	24 300	54.1	72.1	22 900													28.0
30.0	30.7	63.7	20 600 *	43.2	68.6	22 600	49.3	70.5	21 200	58.4	72.4	19 100										30.0
32.0	22.3	59.7	18 900 *	37.4	66.3	21 200	44.2	68.6	19 900	53.8	71.1	17 800										32.0
34.0				30.6	63.3	19 900	38.5	66.3	18 600	49.0	69.5	16 600										34.0
36.0				22.2	59.3	18 700	32.0	63.5	17 500	43.9	67.6	15 600	53.3	69.6	13 800							36.0
38.0				7.4	51.7	15 400	23.9	59.7	16 400	38.1	65.3	14 700	48.5	68.0	13 000							38.0
40.0										31.5	62.4	13 700	43.3	66.1	12 200							40.0
42.0										23.4	58.5	12 800	37.5	63.7	11 400	47.7	66.1	9 900				42.0
44.0										10.4	51.9	12 000	30.8	60.8	10 600	42.3	64.1	9 300				44.0
46.0													22.3	56.8	10 000	36.4	61.7	8 700	46.4	63.8	7 400	46.0
48.0																29.5	58.6	8 100	40.9	61.7	6 900	48.0
50.0																20.6	54.3	7 600	34.8	59.1	6 500	50.0
52.0																			27.6	55.8	6 100	52.0
54.0																			17.8	51.0	5 700	54.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

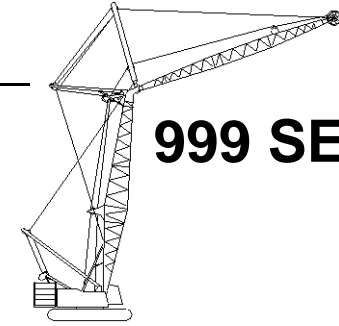
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

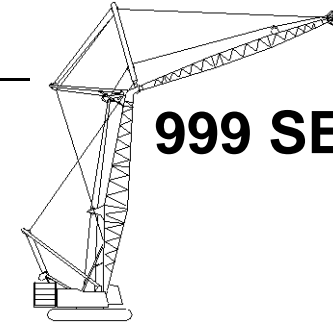
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	22 300 *													28.0
30.0	44.3	73.7	18 000 *	52.6	76.8	20 200 *	57.1	78.1	20 800 *													30.0
32.0	39.6	71.4	17 200 *	48.5	75.2	19 200 *	53.3	76.7	19 400 *	60.6	78.3	17 400 *										32.0
34.0	34.4	68.8	16 500 *	44.2	73.3	18 300 *	49.3	75.1	18 200 *	56.9	77.1	16 200 *										34.0
36.0	28.3	65.5	15 500 *	39.5	71.0	17 500 *	45.0	73.2	17 100 *	53.1	75.7	15 200 *										36.0
38.0	20.8	61.1	14 500 *	34.3	68.4	16 800 *	40.4	71.1	16 100 *	49.0	74.1	14 300 *										38.0
40.0				28.2	65.1	16 100 *	35.3	68.5	15 200 *	44.7	72.2	13 500 *	52.6	74.3	11 900 *							40.0
42.0				20.7	60.7	15 300 *	29.4	65.3	14 400 *	40.1	70.0	12 700 *	48.6	72.6	11 200 *							42.0
44.0				8.0	52.8	12 900 *	22.2	61.2	13 500 *	34.9	67.4	12 000 *	44.3	70.7	10 600 *							44.0
46.0										29.0	64.2	11 300 *	39.6	68.5	9 900 *	47.9	70.7	8 600 *				46.0
48.0										21.7	60.0	10 600 *	34.4	65.8	9 300 *	43.5	68.8	8 000 *				48.0
50.0										10.4	53.0	10 000 *	28.3	62.5	8 800 *	38.7	66.5	7 500 *				50.0
52.0													20.8	58.2	8 200 *	33.4	63.7	7 100 *	42.4	66.4	6 000 *	52.0
54.0																27.2	60.3	6 700 *	37.5	64.0	5 600 *	54.0
56.0																19.2	55.7	6 300 *	32.0	61.1	5 300 *	56.0
58.0																			25.5	57.4	4 900 *	58.0
60.0																			16.8	52.3	4 600 *	60.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

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

83 730 kg Crane Counterweight

19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	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	17 000										32.0
34.0	40.4	73.8	15 200 *	48.6	77.5	17 000 *	53.0	79.0	17 800	59.7	80.7	15 900										34.0
36.0	35.7	71.2	14 500 *	44.6	75.6	16 200 *	49.3	77.4	16 700	56.3	79.4	14 900										36.0
38.0	30.3	68.1	13 900 *	40.3	73.4	15 400 *	45.3	75.5	15 800	52.8	78.0	14 000										38.0
40.0	24.0	64.3	13 200 *	35.6	70.8	14 800 *	41.1	73.4	14 900	49.0	76.4	13 200	55.9	78.0	11 600							40.0
42.0	15.4	58.7	12 200 *	30.3	67.7	14 100 *	36.5	70.9	14 100	45.1	74.5	12 500	52.4	76.6	10 900							42.0
44.0				23.9	63.8	13 600 *	31.3	67.9	13 300	40.8	72.4	11 800	48.6	74.9	10 300							44.0
46.0				15.3	58.2	13 000 *	25.2	64.2	12 500	36.2	69.8	11 100	44.6	73.0	9 700	51.7	74.7	8 400				46.0
48.0							17.2	59.1	11 800	31.0	66.8	10 500	40.4	70.8	9 200	48.0	73.0	7 900				48.0
50.0										24.8	63.0	9 900	35.7	68.3	8 600	43.9	71.1	7 400				50.0
52.0										16.6	57.7	9 300	30.3	65.2	8 100	39.6	68.9	6 900	47.0	70.7	5 800	52.0
54.0													24.0	61.3	7 600	34.8	66.2	6 500	42.9	68.7	5 500	54.0
56.0													15.4	55.7	7 200	29.4	63.0	6 100	38.5	66.4	5 100	56.0
58.0																22.8	59.0	5 800	33.6	63.6	4 800	58.0
60.0																13.5	52.8	5 400	27.9	60.2	4 500	60.0
62.0																			20.9	55.8	4 200	62.0
64.0																			10.0	48.6	3 900	64.0

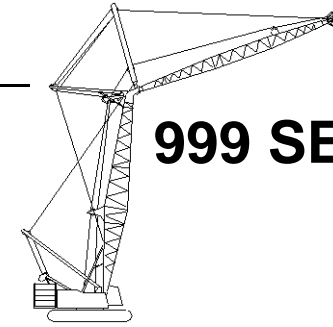


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

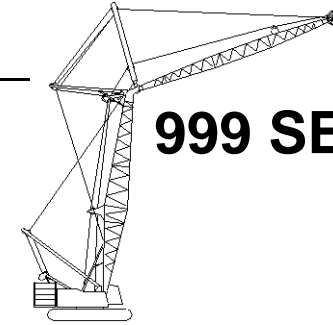
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	15 500										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	14 500										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	13 600										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	12 800										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	12 100	55.5	80.3	10 600							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	11 400	52.1	78.9	9 900							44.0
46.0				26.4	66.7	11 400 *	32.8	70.5	12 100 *	41.5	74.7	10 800	48.6	77.2	9 400							46.0
48.0				19.5	62.0	10 900 *	27.5	67.0	11 600 *	37.2	72.3	10 300	45.0	75.3	8 900	51.6	77.0	7 600				48.0
50.0				8.3	53.9	10 300 *	20.9	62.6	11 000	32.5	69.4	9 700	41.0	73.2	8 400	48.0	75.3	7 100				50.0
52.0										27.1	65.9	9 100	36.7	70.7	7 900	44.3	73.4	6 700				52.0
54.0										20.5	61.4	8 600	32.0	67.8	7 400	40.3	71.2	6 300				54.0
56.0										10.3	54.1	8 100	26.5	64.2	7 000	36.0	68.7	5 900	43.4	71.0	4 800	56.0
58.0													19.6	59.5	6 600	31.1	65.7	5 600	39.3	68.7	4 500	58.0
60.0																25.4	61.9	5 200	34.8	66.1	4 200	60.0
62.0																18.2	56.9	4 900	29.8	62.9	4 000	62.0
64.0																4.6	47.1	4 600	23.9	59.0	3 700	64.0
66.0																			16.0	53.5	3 500	66.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

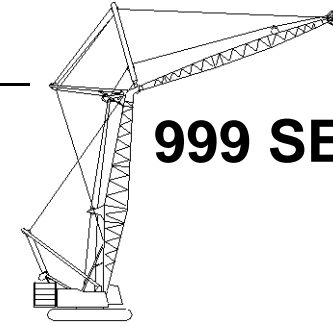
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	92.4	20 100 *																			15.2
16.0	74.5	92.2	19 800 *																			16.0
18.0	71.9	91.6	19 000 *																			18.0
20.0	69.3	90.9	18 100 *																			20.0
22.0	66.5	90.1	17 200 *																			22.0
24.0	63.8	89.1	16 300 *	69.2	90.5	18 200 *																24.0
26.0	61.0	88.1	15 500 *	66.5	89.7	17 300 *																26.0
28.0	58.0	86.9	14 600 *	63.7	88.8	16 500 *	67.0	89.5	17 300 *													28.0
30.0	55.0	85.6	13 900 *	60.9	87.7	15 700 *	64.3	88.5	16 600 *													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	14 300										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	13 400										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	12 600										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	11 900										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	11 300	55.0	82.7	9 800							44.0
46.0	22.6	65.7	9 000 *	33.2	72.8	10 100 *	38.3	75.7	10 800 *	45.6	79.1	10 700	51.9	81.2	9 200							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	10 100	48.7	79.5	8 700							48.0
50.0				22.6	65.3	9 100 *	29.3	69.8	9 800 *	38.1	74.7	9 600	45.2	77.7	8 200							50.0
52.0				14.7	59.4	8 800 *	23.7	65.7	9 300 *	33.8	71.9	9 000	41.6	75.5	7 800	48.1	77.6	6 600				52.0
54.0							16.4	60.3	8 800 *	29.0	68.6	8 500	37.7	73.1	7 300	44.6	75.7	6 200				54.0
56.0										23.3	64.6	8 100	33.3	70.3	6 900	40.9	73.6	5 800				56.0
58.0										15.9	58.9	7 600	28.5	67.0	6 600	37.0	71.1	5 500	43.8	73.3	4 400	58.0
60.0													22.6	62.8	6 200	32.6	68.2	5 100	40.0	71.1	4 200	60.0
62.0													14.8	56.9	5 800	27.6	64.8	4 800	35.9	68.5	3 900	62.0
64.0																21.5	60.4	4 600	31.4	65.5	3 600	64.0
66.0																13.1	54.0	4 300	26.2	61.9	3 400	66.0
68.0																			19.8	57.2	3 200	68.0
70.0																			10.0	49.7	3 000	70.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

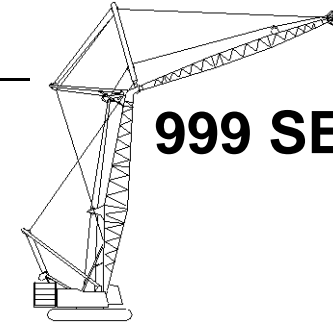
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	13 100										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	12 300										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	11 500										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	10 900										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	10 300	54.7	85.0	8 900							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	9 800	51.7	83.5	8 400							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	9 200	48.7	81.8	7 900							50.0
52.0				24.9	68.3	7 300 *	30.9	72.4	7 900 *	38.8	77.0	8 800	45.5	80.0	7 500	51.2	81.6	6 300				52.0
54.0				18.6	63.3	6 900 *	25.9	68.7	7 500 *	34.9	74.4	8 300	42.1	77.9	7 100	48.2	79.9	5 900				54.0
56.0				8.6	55.0	6 600 *	19.9	64.0	7 100 *	30.6	71.3	7 800	38.4	75.5	6 700	44.9	78.0	5 600				56.0
58.0										25.6	67.5	7 400	34.5	72.8	6 300	41.5	75.9	5 200	47.4	77.6	4 200	58.0
60.0										19.5	62.7	7 000	30.1	69.6	6 000	37.8	73.5	4 900	44.1	75.6	3 900	60.0
62.0										10.3	55.2	6 700	25.0	65.8	5 600	33.8	70.7	4 600	40.6	73.5	3 600	62.0
64.0													18.7	60.8	5 300	29.3	67.5	4 400	36.9	71.0	3 400	64.0
66.0																24.1	63.5	4 100	32.7	68.1	3 200	66.0
68.0																17.4	58.2	3 800	28.1	64.7	2 900	68.0
70.0																5.6	48.4	3 600	22.6	60.5	2 800	70.0
72.0																			15.4	54.6	2 600	72.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

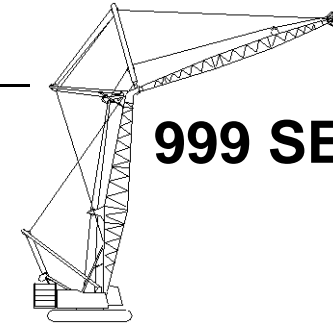
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	8 600							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	8 100							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	7 600							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	7 200							52.0
54.0	14.4	61.0	5 000 *	26.9	71.2	6 000 *	32.2	75.0	6 500 *	39.5	79.4	7 500 *	45.7	82.3	6 800	51.1	83.9	5 600				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	6 500	48.2	82.2	5 300				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	6 100	45.2	80.4	5 000				58.0
60.0							15.8	61.5	5 100 *	27.5	70.3	6 100 *	35.5	75.3	5 800	42.0	78.2	4 700				60.0
62.0										22.2	66.0	5 600 *	31.5	72.2	5 500	38.5	75.9	4 400	44.4	78.0	3 500	62.0
64.0										15.3	60.1	5 100 *	26.9	68.7	5 200	34.8	73.2	4 200	41.1	75.8	3 200	64.0
66.0													21.5	64.2	4 900	30.7	70.1	3 900	37.7	73.4	3 000	66.0
68.0													14.4	58.0	4 600	26.1	66.4	3 600	33.9	70.6	2 800	68.0
70.0																20.5	61.8	3 500	29.7	67.4	2 600	70.0
72.0																12.8	55.1	3 200	24.8	63.5	2 400	72.0
76.0																			10.0	50.7	2 100	76.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

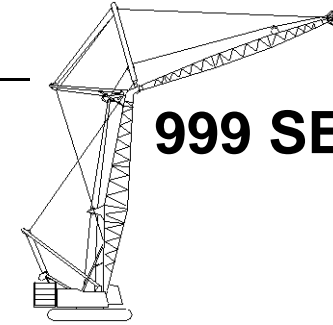
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	35 100 b																20.0
22.0	32.0	62.5	30 900 *	49.5	67.0	32 000 b	57.9	68.4	30 100 b													22.0
24.0	19.7	58.4	25 500 *	42.0	65.1	29 400	51.3	67.0	27 600 b													24.0
26.0				33.2	62.5	27 200	44.1	65.2	25 400	58.4	67.6	22 800 b										26.0
28.0				21.5	58.6	25 100	35.7	62.8	23 600	51.8	66.2	21 100 b										28.0
30.0							25.0	59.4	22 000	44.6	64.4	19 600										30.0
32.0										36.3	62.0	18 300	51.9	64.9	16 200 b							32.0
34.0										25.9	58.7	17 200	44.8	63.1	15 200							34.0
36.0													36.5	60.7	14 200							36.0
38.0													26.2	57.5	13 200	44.4	61.3	11 600				38.0
40.0																36.1	58.9	10 800				40.0
42.0																25.6	55.6	10 000				42.0
44.0																			43.4	59.0	8 600	44.0
46.0																			24.0	53.0	7 500	46.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.3	73.5	39 100 *b																			13.7
14.0	65.6	73.4	38 800 *b																			14.0
16.0	60.3	72.4	37 000 *b																			16.0
18.0	54.7	71.1	35 200 *																			18.0
20.0	48.7	69.5	33 500 *	60.9	72.1	34 400 b																20.0
22.0	42.1	67.5	30 900 *	55.4	70.8	31 400 b	62.3	72.0	29 500 b													22.0
24.0	34.5	65.0	27 700 *	49.5	69.3	28 800	56.9	70.8	27 000 b													24.0
26.0	25.1	61.5	25 000 *	42.9	67.4	26 600	51.0	69.3	24 900	62.7	71.1	22 300 b										26.0
28.0				35.5	64.9	24 700	44.7	67.5	23 100	57.2	69.9	20 600 b										28.0
30.0				26.3	61.6	23 000	37.6	65.2	21 500	51.5	68.5	19 100										30.0
32.0				12.0	55.8	20 900	29.0	62.2	20 100	45.2	66.7	17 900	57.4	68.6	15 800 b							32.0
34.0										38.1	64.4	16 700	51.6	67.2	14 700							34.0
36.0										29.6	61.5	15 700	45.3	65.4	13 800							36.0
38.0										18.0	56.9	14 700	38.2	63.1	13 000							38.0
40.0													29.8	60.2	12 100	45.0	63.6	10 500				40.0
42.0													18.3	55.7	11 300	37.9	61.3	9 800				42.0
44.0																29.4	58.3	9 100				44.0
46.0																			36.9	59.0	7 200	46.0
48.0																			28.2	55.9	6 800	48.0
50.0																			15.5	50.9	6 300	50.0

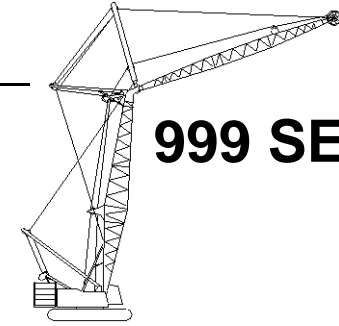


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

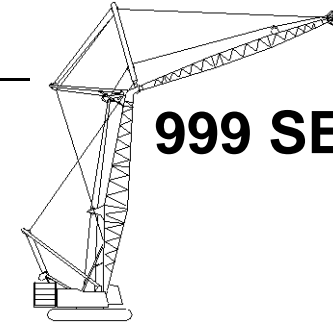
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	33 900 b																20.0
22.0	48.7	71.8	29 000 *	59.7	74.5	30 800 b	65.6	75.3	29 000 b													22.0
24.0	42.9	69.9	27 400 *	54.7	73.2	28 300	60.9	74.3	26 500													24.0
26.0	36.4	67.4	24 900 *	49.4	71.6	26 100	56.0	73.1	24 400													26.0
28.0	28.6	64.3	22 800 *	43.6	69.7	24 200	50.8	71.6	22 600	61.3	73.4	20 200 b										28.0
30.0	18.0	59.7	19 700 *	37.2	67.4	22 600	45.2	69.8	21 100	56.4	72.2	18 800										30.0
32.0				29.6	64.3	21 100	39.0	67.6	19 700	51.2	70.8	17 500										32.0
34.0				19.5	60.0	19 800	31.7	64.8	18 500	45.6	69.0	16 300	56.5	70.9	14 400							34.0
36.0							22.6	60.9	17 400	39.4	66.8	15 400	51.3	69.5	13 500							36.0
38.0										32.3	64.0	14 500	45.7	67.7	12 600							38.0
40.0										23.3	60.2	13 600	39.6	65.5	11 900	51.1	67.7	10 300				40.0
42.0													32.4	62.8	11 100	45.5	65.9	9 600				42.0
44.0													23.5	59.0	10 400	39.2	63.7	9 000				44.0
46.0																32.1	60.9	8 400	44.7	63.6	7 100	46.0
48.0																23.0	57.1	7 900	38.4	61.4	6 600	48.0
50.0																			31.1	58.5	6 200	50.0
52.0																			21.6	54.5	5 800	52.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

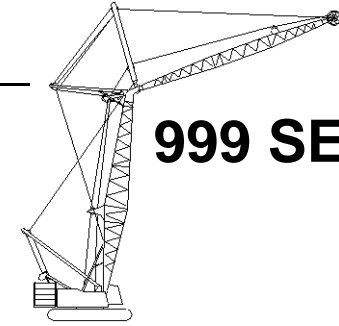
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	71.2	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	30 100																22.0
24.0	48.8	74.1	25 400 *	58.7	76.8	27 700	64.1	77.8	26 000													24.0
26.0	43.6	72.2	24 300 *	54.1	75.5	25 600	59.8	76.7	23 900													26.0
28.0	37.8	69.8	22 300 *	49.4	73.9	23 700	55.3	75.4	22 200													28.0
30.0	31.1	66.9	20 500 *	44.2	72.0	22 100	50.6	73.9	20 600	60.1	75.8	18 300										30.0
32.0	22.8	63.0	18 900 *	38.5	69.8	20 600	45.6	72.1	19 200	55.7	74.6	17 100										32.0
34.0				32.0	66.9	19 400	40.0	70.0	18 000	51.0	73.1	15 900										34.0
36.0				24.0	63.2	18 300	33.8	67.3	17 000	46.0	71.3	14 900	55.8	73.2	13 000							36.0
38.0				11.7	56.9	16 700	26.3	63.9	16 000	40.5	69.2	14 100	51.1	71.8	12 200							38.0
40.0										34.3	66.5	13 200	46.1	70.0	11 500							40.0
42.0										26.9	63.2	12 500	40.6	67.9	10 800	50.8	70.0	9 300				42.0
44.0										16.7	58.2	11 700	34.4	65.3	10 200	45.8	68.2	8 700				44.0
46.0													27.0	61.9	9 500	40.3	66.1	8 100				46.0
48.0													17.0	57.0	8 900	34.1	63.4	7 600	45.1	66.0	6 300	48.0
50.0																26.6	60.0	7 100	39.6	63.8	5 900	50.0
52.0																			33.2	61.1	5 500	52.0
54.0																			25.6	57.5	5 200	54.0
56.0																			14.6	52.0	4 900	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

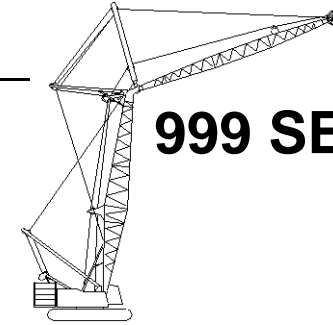
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	27 300																24.0
26.0	48.8	76.4	23 300 *	57.8	79.2	25 200	62.8	80.2	23 600													26.0
28.0	44.1	74.5	21 600 *	53.7	77.8	23 400	58.9	79.1	21 900													28.0
30.0	38.9	72.2	19 900 *	49.3	76.2	21 800	54.8	77.8	20 300													30.0
32.0	33.1	69.5	18 400 *	44.7	74.3	20 400	50.5	76.2	19 000	59.2	78.2	16 800										32.0
34.0	26.2	66.0	17 100 *	39.6	72.1	19 100	45.9	74.4	17 800	55.1	76.9	15 700										34.0
36.0	16.8	60.9	15 600 *	33.8	69.4	18 000	40.9	72.3	16 700	50.8	75.4	14 700										36.0
38.0				27.1	66.0	17 000	35.4	69.8	15 800	46.2	73.6	13 900										38.0
40.0				18.2	61.2	16 000	29.0	66.6	14 900	41.3	71.5	13 100	50.9	74.1	11 300							40.0
42.0							20.9	62.3	14 100	35.8	69.0	12 300	46.3	72.3	10 700							42.0
44.0										29.5	65.9	11 600	41.4	70.2	10 100							44.0
46.0										21.5	61.7	10 900	35.9	67.7	9 500	46.1	70.5	8 100				46.0
48.0													29.6	64.6	8 900	41.2	68.4	7 600				48.0
50.0													21.7	60.4	8 400	35.7	65.9	7 100				50.0
52.0																29.3	62.8	6 700	40.5	66.1	5 400	52.0
54.0																21.3	58.5	6 300	34.9	63.5	5 100	54.0
56.0																			28.4	60.3	4 800	56.0
58.0																			20.0	55.8	4 500	58.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

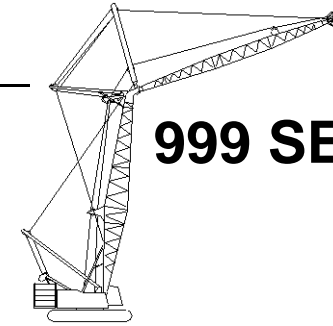
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.5	86.4	24 800 *b																			13.7
14.0	74.0	86.3	24 700 *b																			14.0
16.0	70.7	85.7	24 100 *b																			16.0
18.0	67.3	84.9	23 500 *																			18.0
20.0	63.9	84.0	23 000 *																			20.0
22.0	60.4	83.0	21 900 *	67.7	84.6	24 100 *																22.0
24.0	56.7	81.7	20 800 *	64.3	83.7	23 400 *																24.0
26.0	52.8	80.3	19 900 *	60.8	82.7	22 400 *	65.2	83.6	23 400													26.0
28.0	48.8	78.7	18 900 *	57.1	81.5	21 300 *	61.7	82.6	21 700													28.0
30.0	44.5	76.8	18 100 *	53.3	80.1	20 300 *	58.1	81.4	20 100													30.0
32.0	39.8	74.6	17 300 *	49.3	78.5	19 400 *	54.3	80.1	18 800	62.0	81.7	16 600										32.0
34.0	34.7	72.0	16 300 *	45.0	76.7	18 500 *	50.4	78.5	17 600	58.4	80.5	15 500										34.0
36.0	28.7	68.7	15 200 *	40.4	74.5	17 700 *	46.2	76.8	16 600	54.6	79.2	14 600										36.0
38.0	21.3	64.4	14 300 *	35.3	71.9	16 800	41.6	74.7	15 600	50.6	77.7	13 700										38.0
40.0				29.4	68.8	15 900	36.7	72.2	14 700	46.5	75.9	12 900	54.7	77.9	11 200							40.0
42.0				22.3	64.6	15 100	31.1	69.2	14 000	42.0	73.9	12 200	50.7	76.4	10 600							42.0
44.0				11.4	58.0	13 800	24.3	65.4	13 200	37.1	71.4	11 500	46.6	74.6	9 900							44.0
46.0										31.5	68.5	10 900	42.1	72.6	9 400	50.5	74.6	8 000				46.0
48.0										24.8	64.8	10 300	37.2	70.1	8 900	46.4	72.8	7 500				48.0
50.0										15.8	59.4	9 700	31.6	67.2	8 400	41.9	70.8	7 100				50.0
52.0													25.0	63.5	7 900	36.9	68.3	6 600	45.8	70.6	5 400	52.0
54.0													16.0	58.2	7 400	31.3	65.4	6 200	41.3	68.5	5 100	54.0
56.0																24.6	61.6	5 900	36.2	66.0	4 700	56.0
58.0																			30.6	62.9	4 400	58.0
60.0																			23.7	59.0	4 200	60.0
62.0																			13.9	53.2	3 900	62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

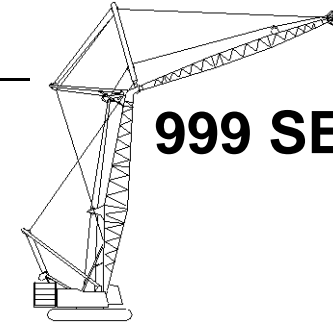
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	19 800 *													30.0
32.0	44.9	79.1	15 900 *	53.0	82.4	17 900 *	57.4	83.8	18 500 *													32.0
34.0	40.6	77.0	15 200 *	49.3	80.8	17 100 *	53.9	82.4	17 300 *	61.0	84.1	15 200										34.0
36.0	35.9	74.4	14 500 *	45.3	79.0	16 300 *	50.3	80.8	16 200 *	57.7	82.9	14 300										36.0
38.0	30.6	71.4	13 800 *	41.1	76.8	15 600 *	46.4	79.1	15 300 *	54.2	81.5	13 400										38.0
40.0	24.4	67.5	13 000 *	36.5	74.3	14 900 *	42.2	77.0	14 400 *	50.5	80.0	12 600										40.0
42.0	16.0	62.1	12 200 *	31.3	71.4	14 300 *	37.7	74.6	13 700 *	46.7	78.2	11 900	54.2	80.2	10 300							42.0
44.0				25.2	67.7	13 700 *	32.7	71.8	12 900 *	42.5	76.2	11 300	50.6	78.7	9 700							44.0
46.0				17.2	62.5	13 100 *	26.9	68.3	12 300 *	38.1	73.8	10 700	46.7	76.9	9 100							46.0
48.0							19.6	63.6	11 600 *	33.1	71.0	10 100	42.6	74.9	8 700	50.4	76.9	7 200				48.0
50.0										27.4	67.6	9 600	38.2	72.5	8 200	46.6	75.1	6 800				50.0
52.0										20.2	63.1	9 000	33.2	69.8	7 700	42.4	73.1	6 400				52.0
54.0													27.5	66.3	7 300	38.0	70.7	6 000	46.1	72.9	4 900	54.0
56.0													20.3	61.8	6 900	33.0	67.9	5 700	41.9	70.8	4 600	56.0
58.0																27.2	64.5	5 300	37.4	68.4	4 300	58.0
60.0																20.0	59.9	5 000	32.3	65.5	4 000	60.0
62.0																			26.4	62.0	3 700	62.0
64.0																			18.9	57.2	3 500	64.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

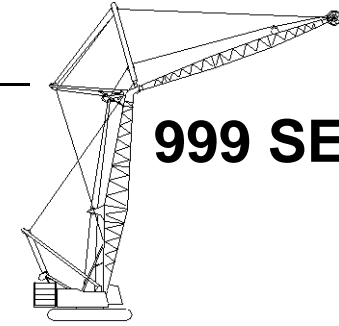
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	92.3	21 200 *b																			15.2
16.0	73.5	92.1	21 100 *b																			16.0
18.0	70.7	91.5	20 400 *																			18.0
20.0	67.9	90.7	19 500 *																			20.0
22.0	64.9	89.8	18 600 *																			22.0
24.0	61.9	88.8	17 700 *	68.2	90.4	19 800 *																24.0
26.0	58.8	87.7	16 800 *	65.3	89.5	18 900 *																26.0
28.0	55.6	86.4	16 000 *	62.3	88.6	18 000 *	66.0	89.4	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	13 900										36.0
38.0	37.0	76.8	12 400 *	45.6	81.3	14 000 *	50.2	83.1	14 900	57.1	85.2	13 000										38.0
40.0	32.3	73.9	11 800 *	41.7	79.2	13 300 *	46.6	81.4	14 000	53.8	83.8	12 200										40.0
42.0	26.8	70.4	11 300 *	37.5	76.8	12 700 *	42.8	79.3	13 300	50.4	82.3	11 500										42.0
44.0	20.0	65.8	10 800 *	32.8	73.9	12 100 *	38.6	77.0	12 600	46.8	80.5	10 900	53.9	82.5	9 300							44.0
46.0				27.5	70.5	11 500 *	34.1	74.3	11 900	43.0	78.5	10 300	50.5	81.0	8 800							46.0
48.0				20.9	66.0	11 000 *	29.0	71.0	11 400	38.9	76.2	9 800	46.9	79.2	8 300							48.0
50.0				11.3	59.1	10 700 *	22.8	66.9	10 800	34.4	73.5	9 300	43.1	77.2	7 900	50.3	79.2	6 500				50.0
52.0										29.4	70.3	8 800	39.0	74.9	7 400	46.7	77.4	6 100				52.0
54.0										23.3	66.3	8 300	34.5	72.2	7 000	42.9	75.4	5 800				54.0
56.0										15.1	60.5	7 900	29.5	69.0	6 600	38.8	73.1	5 400				56.0
58.0													23.4	65.0	6 200	34.3	70.4	5 100	42.4	73.1	4 000	58.0
60.0													29.2	67.2	4 800	38.3	70.8	3 700	38.3	70.8	3 700	60.0
62.0													15.3	59.3	5 900	23.1	63.1	4 500	33.7	68.0	3 500	62.0
64.0																14.9	57.3	4 300	28.5	64.7	3 300	64.0
66.0																			22.2	60.5	3 000	66.0
68.0																			13.5	54.3	2 800	68.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

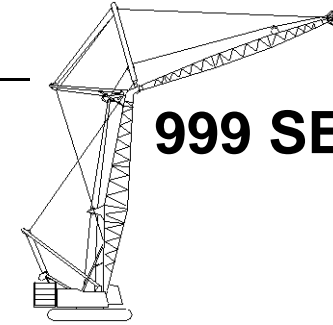
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	12 800										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	12 100										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	11 400										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	10 700										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	10 100	53.6	84.8	8 600							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	9 600	50.4	83.3	8 100							48.0
50.0				23.7	69.2	9 300 *	30.7	73.7	9 900 *	39.7	78.6	9 100	47.0	81.5	7 700							50.0
52.0				16.4	63.7	8 900 *	25.3	69.9	9 400 *	35.6	76.0	8 700	43.5	79.5	7 300	50.2	81.5	6 000				52.0
54.0							18.6	64.9	9 000 *	31.0	72.9	8 200	39.7	77.3	6 900	46.9	79.7	5 600				54.0
56.0										25.7	69.2	7 800	35.6	74.7	6 600	43.4	77.8	5 300				56.0
58.0										19.1	64.4	7 400	31.1	71.7	6 200	39.6	75.5	5 000	46.5	77.5	3 900	58.0
60.0													25.8	68.0	5 800	35.5	72.9	4 700	42.9	75.5	3 600	60.0
62.0													19.3	63.2	5 500	30.9	69.8	4 400	39.1	73.2	3 400	62.0
64.0													9.0	55.2	5 200	25.6	66.1	4 200	34.9	70.5	3 200	64.0
66.0																18.9	61.2	3 900	30.2	67.4	2 900	66.0
68.0																			24.8	63.5	2 800	68.0
70.0																			17.9	58.4	2 500	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

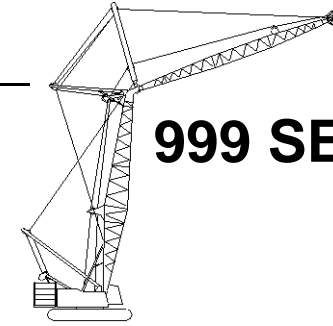
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	98.2	17 900 *																			16.8
18.0	73.2	97.9	17 400 *																			18.0
20.0	70.7	97.2	16 500 *																			20.0
22.0	68.2	96.5	15 700 *																			22.0
24.0	65.7	95.6	14 900 *																			24.0
26.0	63.1	94.7	14 100 *	68.5	96.2	15 800 *																26.0
28.0	60.4	93.6	13 300 *	66.0	95.3	15 100 *																28.0
30.0	57.7	92.4	12 500 *	63.4	94.4	14 300 *	66.6	95.1	15 200 *													30.0
32.0	54.8	91.0	11 800 *	60.7	93.3	13 600 *	64.1	94.2	14 500 *													32.0
34.0	51.9	89.6	11 100 *	58.0	92.1	12 800 *	61.4	93.2	13 800 *													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	11 700										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	11 000										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	10 400										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	9 800	56.2	88.6	8 300							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	9 300	53.3	87.1	7 800							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	8 800	50.3	85.6	7 400							50.0
52.0				25.9	72.1	7 400 *	32.1	76.3	8 100 *	40.3	80.9	8 300	47.2	83.8	6 900							52.0
54.0				19.9	67.4	7 000 *	27.3	72.7	7 600 *	36.5	78.4	7 900	43.9	81.9	6 600	50.2	83.8	5 300				54.0
56.0				11.1	60.2	6 700 *	21.6	68.3	7 200 *	32.4	75.5	7 500	40.4	79.6	6 200	47.0	82.0	5 000				56.0
58.0										27.7	72.0	7 100	36.6	77.1	5 900	43.7	80.1	4 700				58.0
60.0										22.1	67.7	6 800	32.5	74.2	5 600	40.2	77.9	4 400	46.6	79.8	3 300	60.0
62.0										14.6	61.7	6 400	27.8	70.8	5 300	36.4	75.3	4 200	43.3	77.8	3 100	62.0
64.0													22.2	66.5	5 000	32.3	72.4	3 900	39.7	75.5	2 900	64.0
66.0													14.8	60.5	4 700	27.5	68.9	3 700	35.9	73.0	2 700	66.0
68.0																21.9	64.6	3 500	31.7	70.0	2 500	68.0
70.0																14.4	58.5	3 300	26.9	66.4	2 300	70.0
72.0																			21.1	61.9	2 100	72.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

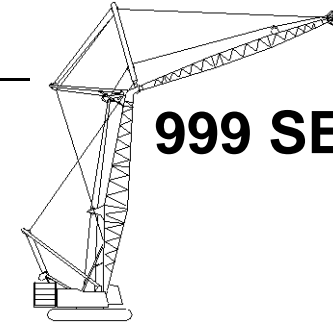
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.6	101.4	16 400 *																			16.8
18.0	74.2	101.0	16 000 *																			18.0
20.0	71.9	100.4	15 300 *																			20.0
22.0	69.6	99.7	14 500 *																			22.0
24.0	67.2	98.9	13 700 *																			24.0
26.0	64.8	98.0	12 900 *	69.8	99.4	14 600 *																26.0
28.0	62.3	97.1	12 200 *	67.5	98.6	13 900 *																28.0
30.0	59.8	95.9	11 500 *	65.1	97.8	13 100 *																30.0
32.0	57.2	94.7	10 800 *	62.6	96.8	12 400 *	65.7	97.6	13 200 *													32.0
34.0	54.5	93.4	10 100 *	60.1	95.7	11 700 *	63.2	96.6	12 500 *													34.0
36.0	51.7	91.9	9 500 *	57.5	94.5	11 000 *	60.7	95.6	11 900 *													36.0
38.0	48.9	90.2	8 900 *	54.8	93.1	10 300 *	58.2	94.4	11 200 *													38.0
40.0	45.9	88.4	8 300 *	52.1	91.7	9 700 *	55.5	93.1	10 500 *	60.9	94.7	11 400										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	10 700										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	10 100										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	9 500										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	9 000	55.8	90.9	7 500							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	8 500	53.0	89.5	7 100							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	8 100	50.2	87.9	6 700							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	6 300							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	6 000	50.1	86.1	4 700				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	5 700	47.1	84.4	4 400				58.0
60.0							17.8	66.2	5 300 *	29.3	74.7	6 300 *	37.4	79.5	5 400	44.0	82.4	4 200				60.0
62.0										24.4	70.8	5 800 *	33.6	76.7	5 100	40.8	80.2	3 900				62.0
64.0										18.3	65.7	5 300 *	29.4	73.5	4 800	37.3	77.7	3 700	43.6	80.1	2 700	64.0
66.0													24.5	69.5	4 600	33.4	74.9	3 500	40.3	77.9	2 400	66.0
68.0													18.5	64.5	4 300	29.2	71.6	3 300	36.8	75.4	2 300	68.0
70.0													9.2	56.3	4 000	24.2	67.6	3 100	32.9	72.5	2 100	70.0
72.0																18.1	62.5	2 900	28.6	69.1	2 000	72.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	34 200 b																20.0
22.0	32.6	65.7	30 400 *	50.8	70.3	31 200 b	59.6	71.8	29 200 b													22.0
24.0	20.5	61.7	25 700 *	43.5	68.5	28 600	53.1	70.4	26 700 b													24.0
26.0				35.0	66.0	26 400	46.1	68.7	24 600	60.8	71.0	21 800 b										26.0
28.0				24.1	62.5	24 600	38.0	66.5	22 900	54.5	69.7	20 200 b										28.0
30.0							28.2	63.5	21 300	47.5	68.1	18 800										30.0
32.0							12.8	58.1	20 000	39.8	66.0	17 500	55.4	68.5	15 300 b							32.0
34.0										30.4	63.1	16 400	48.6	66.9	14 300 b							34.0
36.0										17.0	58.6	15 500	41.0	64.9	13 400							36.0
38.0													31.9	62.2	12 600							38.0
40.0													19.5	58.0	11 800	41.6	63.3	10 100				40.0
42.0																32.7	60.7	9 400				42.0
44.0																20.7	56.7	8 800	41.5	61.1	7 400	44.0
46.0																			32.6	58.5	6 800	46.0
48.0																			20.6	54.5	6 400	48.0

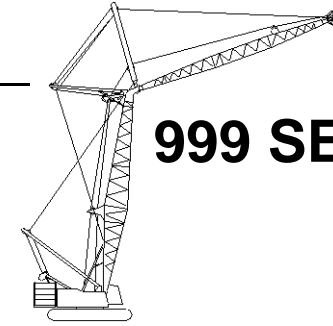
REFERENCE ONLY!



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

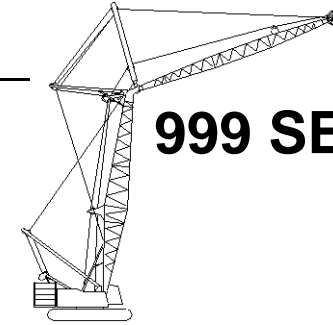
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	33 500 b																20.0
22.0	42.5	70.7	30 200 *	56.4	74.1	30 500 b	63.7	75.2	28 500 b													22.0
24.0	35.0	68.2	27 100 *	50.6	72.6	28 000	58.3	74.1	26 100 b													24.0
26.0	25.6	64.8	24 600 *	44.2	70.8	25 900	52.6	72.7	24 100													26.0
28.0				37.0	68.5	24 000	46.4	71.0	22 300	59.4	73.3	19 700 b										28.0
30.0				28.2	65.3	22 400	39.5	68.9	20 800	53.8	72.0	18 300										30.0
32.0				15.6	60.4	21 100	31.4	66.1	19 500	47.7	70.4	17 100										32.0
34.0							20.7	62.0	18 300	41.0	68.3	16 000	54.6	70.8	13 800							34.0
36.0										33.2	65.7	15 000	48.7	69.2	13 000							36.0
38.0										23.3	62.0	14 100	42.0	67.2	12 100							38.0
40.0													34.4	64.7	11 400	49.1	67.6	9 700				40.0
42.0													24.9	61.2	10 800	42.6	65.6	9 100				42.0
44.0													8.6	54.6	10 000	35.1	63.1	8 500				44.0
46.0																25.8	59.7	8 000				46.0
48.0																			42.5	63.5	6 600	48.0
50.0																			35.0	61.0	6 100	50.0
																			25.7	57.6	5 700	



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

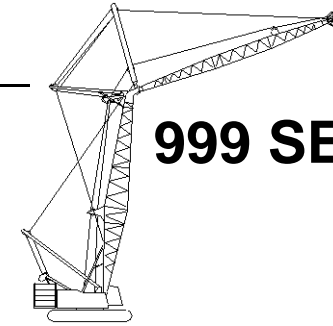
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m	
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
13.7	69.3	79.9	34 700 *b																			13.7	
14.0	68.7	79.8	34 600 *b																			14.0	
16.0	64.1	78.9	33 300 *b																			16.0	
18.0	59.4	77.8	31 700 *																			18.0	
20.0	54.4	76.5	30 200 *	65.3	78.7	33 000 b																20.0	
22.0	49.0	74.9	28 700 *	60.6	77.7	30 000 b																22.0	
24.0	43.2	73.0	26 600 *	55.6	76.5	27 500	62.2	77.6	25 700 b													24.0	
26.0	36.7	70.6	24 300 *	50.4	74.9	25 400	57.3	76.5	23 700													26.0	
28.0	29.0	67.5	22 300 *	44.8	73.1	23 600	52.2	75.1	21 900													28.0	
30.0	18.7	63.0	19 800 *	38.5	70.9	22 000	46.7	73.3	20 400	58.3	75.7	18 000										30.0	
32.0				31.1	68.0	20 600	40.7	71.3	19 000	53.3	74.3	16 700										32.0	
34.0				21.7	64.0	19 400	33.8	68.6	17 900	47.9	72.7	15 600										34.0	
36.0							25.3	65.1	16 900	41.9	70.7	14 700	54.0	73.1	12 700							36.0	
38.0							12.3	59.2	16 000	35.2	68.2	13 800	48.7	71.5	11 900							38.0	
40.0										27.2	64.9	13 000	42.9	69.6	11 200							40.0	
42.0											15.7	59.8	12 300	36.3	67.2	10 500	49.1	69.9	8 800			42.0	
44.0														28.5	64.0	9 900	43.3	68.0	8 300			44.0	
46.0														17.9	59.3	9 300	36.8	65.6	7 800			46.0	
48.0																	29.2	62.5	7 300	43.3	65.8	6 000	48.0
50.0																	18.9	58.0	6 900	36.8	63.4	5 500	50.0
52.0																				29.1	60.3	5 200	52.0
54.0																				18.8	55.8	4 800	54.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

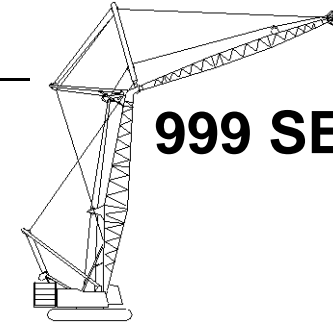
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	29 500 b																22.0
24.0	49.0	77.2	25 200 *	59.5	80.1	27 000	65.2	81.0	25 100													24.0
26.0	43.8	75.3	23 400 *	55.0	78.8	24 900	60.9	80.0	23 100													26.0
28.0	38.1	73.0	21 500 *	50.3	77.2	23 100	56.5	78.8	21 400													28.0
30.0	31.5	70.2	19 800 *	45.2	75.4	21 500	51.9	77.4	19 900													30.0
32.0	23.4	66.3	18 300 *	39.6	73.2	20 100	47.0	75.6	18 600	57.4	78.0	16 200										32.0
34.0				33.3	70.5	18 900	41.6	73.6	17 400	52.9	76.6	15 200										34.0
36.0				25.6	67.0	17 800	35.5	71.1	16 400	48.0	75.0	14 200										36.0
38.0				14.7	61.5	16 900	28.4	67.9	15 500	42.7	73.0	13 400	53.5	75.4	11 500							38.0
40.0							19.1	63.3	14 700	36.8	70.6	12 600	48.7	73.8	10 800							40.0
42.0										30.0	67.6	11 900	43.5	71.9	10 100							42.0
44.0										21.3	63.4	11 300	37.7	69.6	9 500	49.1	72.2	7 900				44.0
46.0													31.1	66.6	9 000	43.9	70.3	7 500				46.0
48.0													22.7	62.7	8 500	38.2	68.0	7 000				48.0
50.0													8.9	55.7	8 000	31.6	65.1	6 600	43.9	68.1	5 300	50.0
52.0																23.5	61.3	6 200	38.1	65.8	4 900	52.0
54.0																			31.6	62.9	4 600	54.0
56.0																			23.4	59.1	4 300	56.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

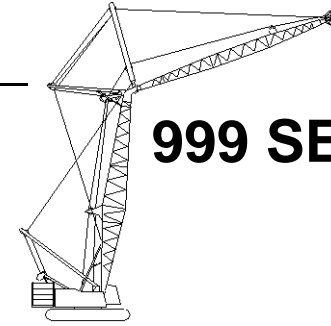
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib

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



999 SERIES 2



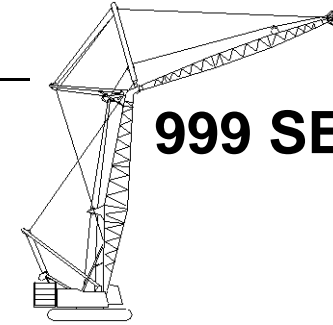
Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	22 600													26.0
28.0	49.0	81.8	18 900 *	57.8	84.8	21 400 *	62.7	85.9	20 900													28.0
30.0	44.7	80.0	18 100 *	54.0	83.4	20 400 *	59.1	84.7	19 500													30.0
32.0	40.1	77.8	17 000 *	50.1	81.8	19 500 *	55.3	83.5	18 200													32.0
34.0	34.9	75.2	15 800 *	45.8	80.0	18 400	51.4	82.0	17 100	59.8	83.9	14 800										34.0
36.0	29.0	72.0	14 800 *	41.3	77.9	17 300	47.3	80.3	16 000	56.1	82.7	13 900										36.0
38.0	21.7	67.7	13 900 *	36.3	75.5	16 400	42.9	78.3	15 100	52.2	81.2	13 100										38.0
40.0				30.6	72.4	15 500	38.0	75.9	14 300	48.2	79.6	12 300	56.6	81.5	10 500							40.0
42.0				23.7	68.5	14 700	32.6	73.1	13 500	43.8	77.6	11 600	52.8	80.1	9 900							42.0
44.0				14.1	62.7	14 000	26.3	69.5	12 800	39.1	75.4	11 000	48.8	78.4	9 300							44.0
46.0							17.9	64.6	12 200	33.8	72.7	10 400	44.5	76.5	8 800							46.0
48.0										27.6	69.3	9 900	39.8	74.3	8 300	49.1	76.8	6 800				48.0
50.0										19.9	64.8	9 400	34.6	71.7	7 900	44.8	74.9	6 400				50.0
52.0													28.6	68.4	7 400	40.2	72.7	6 000				52.0
54.0													21.2	64.1	7 000	35.0	70.1	5 700	44.8	72.7	4 400	54.0
56.0													9.2	56.7	6 600	29.1	66.9	5 400	40.1	70.6	4 200	56.0
58.0																21.8	62.7	5 100	35.0	68.0	3 900	58.0
60.0																			29.1	64.8	3 600	60.0
62.0																			21.7	60.5	3 400	62.0
64.0																			10.4	53.6	3 200	64.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

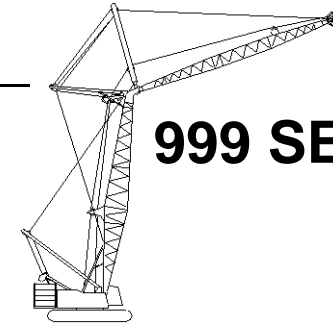
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	92.6	22 800 *b																			13.7
14.0	75.4	92.6	22 700 *b																			14.0
16.0	72.4	92.0	22 200 *b																			16.0
18.0	69.3	91.3	21 700 *																			18.0
20.0	66.2	90.5	21 100 *																			20.0
22.0	63.0	89.5	20 100 *																			22.0
24.0	59.7	88.4	19 200 *	67.0	90.3	21 500 *																24.0
26.0	56.3	87.2	18 300 *	63.8	89.4	20 600 *																26.0
28.0	52.8	85.8	17 500 *	60.6	88.3	19 800 *	64.9	89.3	20 600													28.0
30.0	49.0	84.1	16 700 *	57.2	87.1	18 900 *	61.7	88.2	19 100													30.0
32.0	45.1	82.3	16 000 *	53.7	85.7	18 000 *	58.3	87.1	17 900													32.0
34.0	40.8	80.1	15 200 *	50.0	84.2	17 200 *	54.9	85.8	16 700													34.0
36.0	36.2	77.6	14 300 *	46.1	82.4	16 500 *	51.2	84.3	15 700	59.0	86.3	13 600										36.0
38.0	30.9	74.6	13 400 *	41.9	80.3	15 700 *	47.4	82.6	14 800	55.6	85.0	12 800										38.0
40.0	24.8	70.8	12 600 *	37.4	77.9	15 000 *	43.4	80.6	14 000	52.0	83.6	12 000										40.0
42.0	16.6	65.5	12 000 *	32.3	75.0	14 400	39.0	78.3	13 200	48.2	81.9	11 300	56.1	83.8	9 600							42.0
44.0				26.4	71.4	13 700	34.1	75.6	12 500	44.2	80.0	10 700	52.5	82.4	9 000							44.0
46.0				18.9	66.7	13 000	28.6	72.3	11 900	39.9	77.7	10 100	48.8	80.7	8 500							46.0
48.0							21.8	68.1	11 300	35.1	75.1	9 600	44.8	78.8	8 000							48.0
50.0							11.7	61.4	10 700	29.7	72.0	9 100	40.5	76.7	7 600	49.1	79.1	6 100				50.0
52.0										23.3	68.0	8 700	35.9	74.1	7 200	45.1	77.2	5 800				52.0
54.0										14.3	62.1	8 200	30.6	71.1	6 800	40.9	75.1	5 500				54.0
56.0													24.3	67.2	6 500	36.2	72.6	5 100	45.1	75.1	3 900	56.0
58.0													15.9	61.8	6 100	31.0	69.6	4 900	40.8	72.9	3 700	58.0
60.0																24.8	65.8	4 600	36.2	70.4	3 400	60.0
62.0																16.7	60.5	4 300	31.0	67.4	3 200	62.0
64.0																			24.8	63.6	3 000	64.0
66.0																			16.6	58.3	2 800	66.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

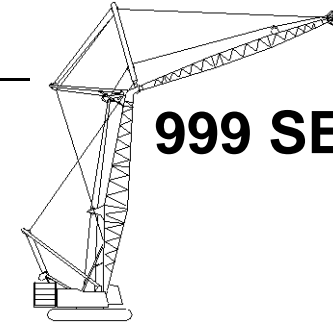
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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 Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	17 500 *													32.0
34.0	45.4	84.6	13 700 *	53.3	88.0	15 600 *	57.7	89.4	16 300 *													34.0
36.0	41.5	82.5	13 100 *	49.9	86.5	14 900 *	54.5	88.1	15 300 *	61.4	89.8	13 200										36.0
38.0	37.2	80.0	12 500 *	46.3	84.7	14 200 *	51.1	86.6	14 400 *	58.3	88.7	12 400										38.0
40.0	32.5	77.2	11 900 *	42.5	82.6	13 500 *	47.5	84.9	13 600 *	55.1	87.3	11 700										40.0
42.0	27.1	73.7	11 300 *	38.3	80.3	12 800 *	43.8	82.9	12 800 *	51.8	85.9	11 000										42.0
44.0	20.5	69.1	10 800 *	33.7	77.5	12 200 *	39.8	80.7	12 100 *	48.3	84.2	10 300	55.6	86.1	8 700							44.0
46.0				28.6	74.2	11 700 *	35.4	78.1	11 500 *	44.6	82.3	9 800	52.3	84.7	8 100							46.0
48.0				22.3	70.0	11 100 *	30.4	75.0	10 900 *	40.6	80.1	9 200	48.8	83.0	7 700							48.0
50.0				13.6	63.8	10 700 *	24.6	71.1	10 400 *	36.3	77.6	8 800	45.1	81.2	7 200							50.0
52.0							17.0	65.9	10 000 *	31.5	74.6	8 300	41.2	79.0	6 900	49.1	81.4	5 500				52.0
54.0										25.8	70.9	7 900	36.9	76.6	6 500	45.4	79.5	5 100				54.0
56.0										18.8	66.1	7 600	32.2	73.7	6 100	41.5	77.4	4 800				56.0
58.0													26.7	70.1	5 800	37.3	75.0	4 500	45.4	77.4	3 300	58.0
60.0													20.0	65.5	5 500	32.6	72.1	4 300	41.5	75.2	3 100	60.0
62.0													9.3	57.8	5 200	27.2	68.6	4 000	37.2	72.8	2 900	62.0
64.0																20.6	64.1	3 800	32.5	69.9	2 700	64.0
66.0																			27.1	66.5	2 500	66.0
68.0																			20.5	61.9	2 300	68.0
70.0																			10.4	54.7	2 200	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	12 200										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	11 500										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	10 800										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	10 200										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	9 600	55.2	88.4	8 000							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	9 100	52.1	87.0	7 500							48.0
50.0				24.9	73.0	9 400 *	31.9	77.5	10 100 *	41.2	82.4	8 600	48.8	85.3	7 100							50.0
52.0				18.0	67.9	8 900 *	26.8	74.0	9 600 *	37.2	80.0	8 200	45.4	83.5	6 700	52.3	85.3	5 300				52.0
54.0							20.6	69.4	9 200 *	32.9	77.1	7 800	41.8	81.4	6 300	49.1	83.7	5 000				54.0
56.0							11.5	62.5	8 800 *	27.9	73.7	7 400	37.8	79.0	6 000	45.7	81.8	4 700				56.0
58.0										22.0	69.4	7 100	33.5	76.2	5 700	42.0	79.7	4 400				58.0
60.0										13.8	63.2	6 700	28.7	72.9	5 400	38.1	77.4	4 100	45.6	79.7	3 000	60.0
62.0													22.9	68.7	5 100	33.9	74.6	3 900	42.0	77.6	2 800	62.0
64.0													15.3	62.9	4 900	29.1	71.4	3 700	38.1	75.2	2 600	64.0
66.0																23.4	67.3	3 500	33.8	72.5	2 400	66.0
68.0																16.0	61.7	3 300	29.0	69.2	2 200	68.0
70.0																			23.4	65.1	2 000	70.0
72.0																			15.9	59.5	1 900	72.0

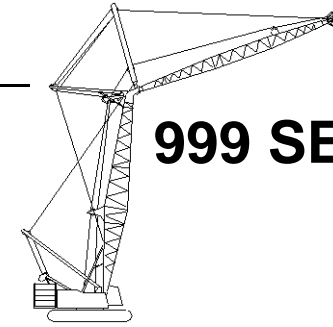


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

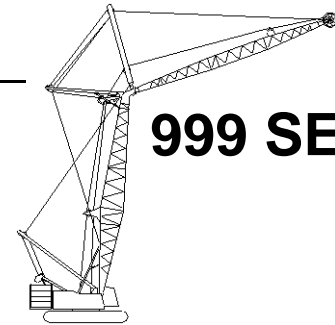
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	11 100										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	10 400										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	9 900										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	9 300	57.6	92.1	7 600							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	8 700	54.8	90.8	7 200							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	8 300	51.9	89.3	6 800							50.0
52.0				26.9	75.9	7 600 *	33.2	80.1	8 200 *	41.7	84.8	7 800	48.8	87.6	6 400							52.0
54.0				21.2	71.4	7 200 *	28.6	76.7	7 800 *	38.1	82.4	7 400	45.6	85.8	6 000							54.0
56.0				13.2	64.9	6 800 *	23.3	72.6	7 300 *	34.1	79.6	7 100	42.2	83.7	5 700	49.1	86.0	4 400				56.0
58.0							16.3	67.1	7 000 *	29.6	76.4	6 700	38.6	81.3	5 400	45.9	84.1	4 100				58.0
60.0										24.4	72.5	6 400	34.7	78.7	5 100	42.5	82.1	3 800				60.0
62.0										17.9	67.3	6 100	30.3	75.5	4 800	38.9	79.8	3 600	45.8	82.0	2 400	62.0
64.0										7.0	58.3	5 800	25.2	71.7	4 600	35.0	77.1	3 400	42.5	79.9	2 300	64.0
66.0													19.0	66.8	4 300	30.6	74.0	3 200	38.9	77.6	2 100	66.0
68.0													9.4	58.9	4 200	25.7	70.3	3 000	34.9	74.9	1 900	68.0
70.0																19.6	65.5	2 800				70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

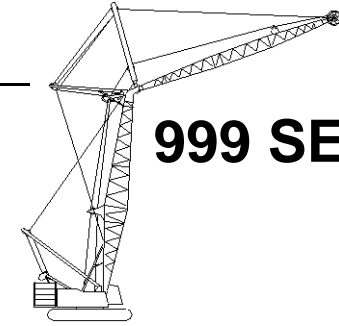
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.8	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	10 800							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	10 100							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	9 600							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	9 000							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	8 500							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	8 000	54.5	93.1	6 500				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	7 600	51.7	91.6	6 100				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	7 200	48.8	89.9	5 800				54.0
56.0				23.6	74.6	5 700 *	30.2	79.4	6 400 *	38.8	84.8	6 800	45.8	88.1	5 400				56.0
58.0				17.3	69.2	5 200 *	25.4	75.6	5 900 *	35.1	82.1	6 500	42.7	86.0	5 100	49.1	88.3	3 800	58.0
60.0							19.6	70.8	5 400 *	31.0	79.0	6 200	39.3	83.7	4 800	46.1	86.4	3 600	60.0
62.0							11.3	63.6	4 900 *	26.4	75.4	5 900	35.6	81.1	4 600	42.9	84.4	3 400	62.0
64.0										20.9	70.8	5 500	31.6	78.1	4 300	39.5	82.1	3 100	64.0
66.0										13.4	64.4	5 100 *	27.1	74.6	4 100	35.9	79.5	2 900	66.0
68.0													21.8	70.2	3 900	32.0	76.6	2 700	68.0
70.0													14.7	64.1	3 700	27.5	73.1	2 500	70.0
72.0																22.3	68.8	2 400	72.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

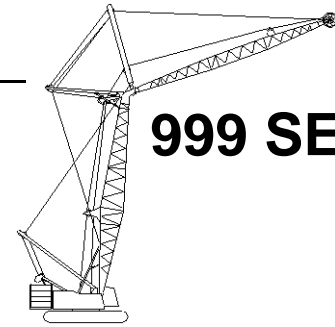
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	33 300 b																20.0
22.0	33.1	68.9	29 100 *	52.1	73.7	30 300 b																22.0
24.0	21.3	65.0	25 600 *	44.9	71.9	27 900	54.9	73.8	25 900 b													24.0
26.0				36.7	69.6	25 800	48.0	72.2	23 900 b													26.0
28.0				26.4	66.3	24 000	40.3	70.2	22 100	57.0	73.2	19 300 b										28.0
30.0							31.1	67.4	20 600	50.4	71.7	17 900 b										30.0
32.0							18.2	63.0	19 400	43.0	69.8	16 800										32.0
34.0										34.4	67.3	15 700	52.2	70.6	13 400 b							34.0
36.0										23.2	63.7	14 800	45.1	68.9	12 600							36.0
38.0													36.9	66.6	11 800							38.0
40.0													26.7	63.4	11 100	46.6	67.4	9 300				40.0
42.0																38.6	65.2	8 700				42.0
44.0																29.0	62.2	8 200				44.0
46.0																			39.6	63.2	6 200	46.0
48.0																			30.1	60.3	5 800	48.0
50.0																			16.6	55.7	5 400	50.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

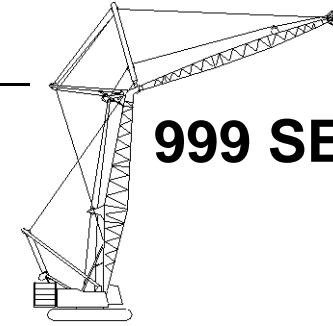
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	62.9	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	32 600 b																20.0
22.0	42.9	73.9	28 900 *	57.5	77.4	29 700 b																22.0
24.0	35.4	71.4	26 000 *	51.7	76.0	27 300	59.8	77.4	25 300 b													24.0
26.0	26.2	68.0	23 600 *	45.4	74.2	25 200	54.2	76.1	23 300													26.0
28.0				38.4	72.0	23 400	48.1	74.5	21 600													28.0
30.0				30.0	69.0	21 800	41.5	72.5	20 200	56.1	75.5	17 500										30.0
32.0				18.6	64.6	20 500	33.8	69.9	18 800	50.2	74.0	16 300										32.0
34.0							24.0	66.3	17 700	43.8	72.1	15 300	51.8	73.0	12 200							34.0
36.0										36.5	69.8	14 300	45.6	71.2	11 400							36.0
38.0										27.6	66.6	13 500	38.6	69.0	10 700							38.0
40.0													30.2	66.1	10 100	46.9	69.7	8 300				40.0
42.0																						42.0
44.0													18.9	61.7	9 600	40.0	67.6	7 800				44.0
46.0																32.0	64.8	7 400				46.0
48.0																21.6	60.9	6 900				48.0
50.0																			40.8	65.6	5 500	50.0
52.0																			33.0	62.9	5 100	52.0
																			23.0	59.1	4 800	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

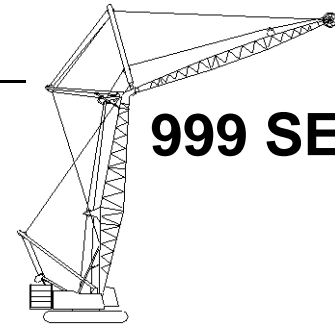
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	32 100 b																20.0
22.0	49.3	78.1	27 700 *	61.5	80.9	29 200 b																22.0
24.0	43.6	76.2	25 500 *	56.6	79.7	26 800	63.4	80.9	24 900 b													24.0
26.0	37.1	73.8	23 400 *	51.4	78.3	24 800	58.6	79.8	22 900													26.0
28.0	29.5	70.8	21 400 *	45.8	76.5	23 000	53.6	78.5	21 200													28.0
30.0	19.4	66.4	19 600 *	39.7	74.4	21 400	48.2	76.8	19 700	60.2	79.1	17 100										30.0
32.0				32.6	71.6	20 000	42.3	74.9	18 500	55.3	77.8	16 000										32.0
34.0				23.7	67.9	18 900	35.7	72.4	17 300	50.1	76.3	14 900										34.0
36.0							27.8	69.2	16 300	44.4	74.5	14 000										36.0
38.0							16.7	64.3	15 400	38.0	72.2	13 100	51.5	75.3	11 100							38.0
40.0										30.6	69.2	12 400	46.0	73.5	10 400							40.0
42.0										21.0	65.1	11 800	39.8	71.4	9 800							42.0
44.0													32.8	68.6	9 300	47.1	72.0	7 600				44.0
46.0													24.0	64.9	8 800	41.1	69.9	7 100				46.0
48.0																34.3	67.3	6 700				48.0
50.0																25.9	63.9	6 300				50.0
52.0																			41.8	67.9	4 900	52.0
54.0																			35.1	65.4	4 600	54.0
56.0																			27.0	62.1	4 200	56.0
																			15.4	56.9	4 000	



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

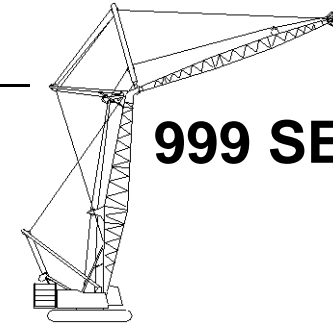
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	71.7	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	31 300 b																20.0
22.0	54.1	82.0	26 300 *	64.5	84.3	28 700 b																22.0
24.0	49.3	80.4	24 400 *	60.3	83.3	26 300																24.0
26.0	44.1	78.5	22 500 *	55.9	82.1	24 200	62.1	83.3	22 400													26.0
28.0	38.4	76.2	20 800 *	51.2	80.6	22 500	57.7	82.1	20 700													28.0
30.0	31.9	73.4	19 300 *	46.2	78.8	20 900	53.2	80.8	19 300													30.0
32.0	23.9	69.6	17 900 *	40.7	76.7	19 600	48.3	79.1	18 000	59.2	81.5	15 500										32.0
34.0				34.5	74.1	18 400	43.0	77.2	16 800	54.7	80.2	14 500										34.0
36.0				27.2	70.8	17 300	37.2	74.8	15 800	49.9	78.6	13 600										36.0
38.0				17.2	65.9	16 400	30.5	71.8	15 000	44.8	76.8	12 700										38.0
40.0							21.9	67.8	14 100	39.2	74.5	12 000	51.3	77.6	10 000							40.0
42.0										32.8	71.8	11 300	46.3	75.8	9 400							42.0
44.0										25.0	68.2	10 700	40.8	73.7	8 900							44.0
46.0													34.7	71.1	8 400	47.3	74.3	6 700				46.0
48.0													27.4	67.8	8 000	42.0	72.3	6 300				48.0
50.0													17.5	63.0	7 500	36.0	69.8	5 900				50.0
52.0																29.0	66.7	5 600	42.6	70.2	4 200	52.0
54.0																19.9	62.2	5 300	36.7	67.8	3 900	54.0
56.0																			29.8	64.8	3 700	56.0
58.0																			21.0	60.6	3 400	58.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

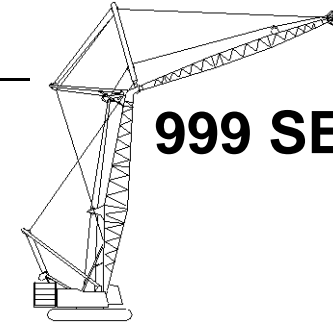
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	22 400													26.0
28.0	44.6	80.8	19 700 *	55.3	84.4	22 400	61.0	85.7	20 700													28.0
30.0	39.5	78.6	18 400 *	51.0	82.9	20 900	57.0	84.5	19 300													30.0
32.0	33.8	75.9	17 100 *	46.4	81.1	19 500	52.8	83.1	18 000	62.2	84.9	15 600										32.0
34.0	27.0	72.5	16 000 *	41.5	79.0	18 400	48.4	81.4	16 900	58.3	83.8	14 600										34.0
36.0	18.1	67.7	15 100 *	36.0	76.6	17 300	43.6	79.5	15 900	54.2	82.5	13 700										36.0
38.0				29.7	73.5	16 400	38.4	77.2	15 000	49.9	80.9	12 800										38.0
40.0				21.9	69.3	15 500	32.5	74.4	14 100	45.2	79.1	12 100	55.3	81.4	10 100							40.0
42.0							25.5	70.8	13 400	40.2	76.9	11 400	51.1	79.9	9 500							42.0
44.0							15.7	65.5	12 800	34.6	74.3	10 800	46.5	78.1	9 000							44.0
46.0										28.0	71.0	10 300	41.6	76.0	8 500	51.9	78.3	6 900				46.0
48.0										19.5	66.4	9 800	36.2	73.6	8 000	47.5	76.6	6 500				48.0
50.0													29.9	70.5	7 600	42.6	74.6	6 100				50.0
52.0													22.1	66.4	7 300	37.3	72.2	5 700				52.0
54.0																31.2	69.3	5 400	43.2	72.6	4 100	54.0
56.0																23.8	65.4	5 100	37.9	70.2	3 800	56.0
58.0																			31.9	67.4	3 600	58.0
60.0																			24.7	63.7	3 400	60.0
62.0																			14.6	58.1	3 100	62.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

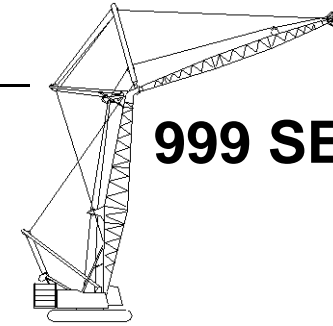
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.8	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	21 900													26.0
28.0	49.2	85.0	18 900 *	58.5	88.0	21 500 *	63.6	89.1	20 300													28.0
30.0	45.0	83.1	17 600 *	54.8	86.7	20 500	60.0	88.1	18 900													30.0
32.0	40.3	80.9	16 500 *	50.8	85.2	19 100	56.3	86.8	17 600													32.0
34.0	35.2	78.4	15 400 *	46.6	83.4	18 000	52.5	85.4	16 500	61.2	87.3	14 100										34.0
36.0	29.4	75.2	14 400 *	42.2	81.4	16 900	48.4	83.7	15 500	57.6	86.1	13 200										36.0
38.0	22.2	71.1	13 600 *	37.3	79.0	15 900	44.1	81.8	14 600	53.8	84.8	12 500										38.0
40.0				31.7	76.1	15 100	39.4	79.6	13 800	49.8	83.2	11 700										40.0
42.0				25.1	72.4	14 300	34.1	76.9	13 000	45.5	81.4	11 100	54.8	83.7	9 200							42.0
44.0				16.3	67.1	13 700	28.1	73.6	12 400	41.0	79.3	10 400	50.9	82.2	8 600							44.0
46.0							20.4	69.1	11 800	35.9	76.7	9 900	46.7	80.4	8 100							46.0
48.0										30.2	73.7	9 400	42.3	78.4	7 700							48.0
50.0										23.2	69.7	8 900	37.4	76.0	7 300	47.6	78.9	5 700				50.0
52.0													31.9	73.1	6 900	43.2	76.9	5 400				52.0
54.0													25.3	69.4	6 500	38.4	74.6	5 100				54.0
56.0													16.5	64.2	6 200	33.0	71.8	4 800	43.7	74.9	3 500	56.0
58.0																26.7	68.3	4 500	38.9	72.6	3 300	58.0
60.0																18.6	63.6	4 300	33.6	69.9	3 000	60.0
62.0																			27.5	66.5	2 900	62.0
64.0																			19.6	61.9	2 700	64.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

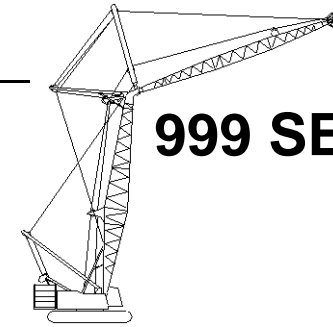
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	19 900													28.0
30.0	49.2	87.3	16 700 *	57.8	90.4	19 000 *	62.5	91.5	18 500													30.0
32.0	45.3	85.4	15 800 *	54.3	89.0	18 100 *	59.2	90.4	17 300													32.0
34.0	41.1	83.3	14 800 *	50.7	87.5	17 400 *	55.8	89.1	16 200													34.0
36.0	36.4	80.8	13 900 *	46.8	85.7	16 500	52.2	87.7	15 200	60.3	89.7	13 000										36.0
38.0	31.2	77.8	13 100 *	42.7	83.7	15 600	48.5	86.0	14 300	56.9	88.5	12 100										38.0
40.0	25.1	74.1	12 300 *	38.3	81.4	14 800	44.5	84.1	13 500	53.4	87.1	11 400										40.0
42.0	17.1	68.9	11 700 *	33.3	78.6	14 000	40.2	81.9	12 700	49.7	85.5	10 800										42.0
44.0				27.6	75.2	13 300	35.5	79.4	12 100	45.8	83.7	10 200	54.4	86.0	8 300							44.0
46.0				20.5	70.7	12 700	30.1	76.3	11 500	41.6	81.6	9 600	50.8	84.5	7 900							46.0
48.0							23.7	72.3	10 900	37.1	79.2	9 100	46.9	82.7	7 400							48.0
50.0							15.0	66.6	10 500	32.0	76.3	8 600	42.8	80.7	7 000							50.0
52.0										26.0	72.6	8 200	38.4	78.4	6 600	47.7	81.2	5 100				52.0
54.0										18.3	67.7	7 900	33.4	75.6	6 300	43.7	79.2	4 800				54.0
56.0													27.7	72.2	5 900	39.3	77.0	4 500				56.0
58.0													20.7	67.8	5 700	34.5	74.3	4 300	44.1	77.2	3 000	58.0
60.0																29.0	71.1	4 100	39.8	75.0	2 800	60.0
62.0																22.3	66.9	3 800	35.0	72.4	2 600	62.0
64.0																12.6	60.5	3 600	29.6	69.2	2 400	64.0
66.0																			23.1	65.2	2 200	66.0
68.0																			14.0	59.2	2 100	68.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

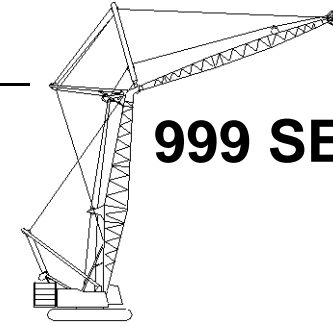
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.9	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	18 100													30.0
32.0	49.2	89.6	14 500 *	57.2	92.7	16 600 *	61.6	93.9	16 900													32.0
34.0	45.6	87.7	13 800 *	54.0	91.3	15 800 *	58.5	92.8	15 800													34.0
36.0	41.7	85.6	13 100 *	50.6	89.8	15 000 *	55.3	91.5	14 800													36.0
38.0	37.5	83.2	12 500 *	47.0	88.0	14 300 *	52.0	90.0	13 900	59.6	92.1	11 800										38.0
40.0	32.8	80.4	11 900 *	43.2	86.0	13 600 *	48.5	88.3	13 100	56.4	90.8	11 100										40.0
42.0	27.4	76.9	11 200 *	39.1	83.8	13 000 *	44.8	86.4	12 400	53.1	89.4	10 400										42.0
44.0	20.9	72.5	10 700 *	34.6	81.1	12 300 *	40.9	84.3	11 700	49.7	87.8	9 800										44.0
46.0				29.6	77.9	11 800 *	36.6	81.8	11 100	46.1	86.0	9 300	54.0	88.3	7 500							46.0
48.0				23.6	73.9	11 300 *	31.8	78.8	10 500	42.2	83.9	8 700	50.6	86.8	7 100							48.0
50.0				15.6	68.3	10 800 *	26.2	75.2	10 000	38.0	81.6	8 300	47.1	85.0	6 700							50.0
52.0							19.3	70.5	9 600	33.4	78.8	7 900	43.3	83.0	6 300	51.3	85.2	4 800				52.0
54.0										28.2	75.4	7 500	39.2	80.8	6 000	47.8	83.5	4 500				54.0
56.0										21.8	71.1	7 100	34.7	78.1	5 600	44.1	81.6	4 200				56.0
58.0													29.7	74.9	5 300	40.0	79.3	3 900				58.0
60.0													23.7	70.9	5 000	35.7	76.8	3 700	44.5	79.5	2 500	60.0
62.0													15.8	65.4	4 800	30.8	73.7	3 500	40.5	77.3	2 300	62.0
64.0																25.0	69.9	3 300	36.2	74.8	2 100	64.0
66.0																17.6	64.8	3 100	31.3	71.8	1 900	66.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

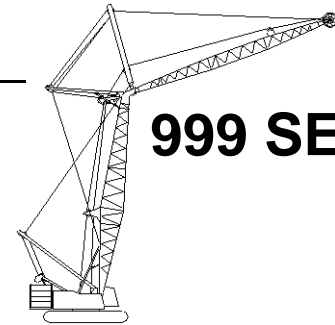
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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			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	
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	14 600										36.0
38.0	42.2	88.0	11 300 *	50.5	92.1	13 000 *	54.9	93.8	13 700										38.0
40.0	38.3	85.6	10 700 *	47.1	90.3	12 300 *	51.8	92.3	12 900	58.9	94.4	10 900							40.0
42.0	34.1	82.9	10 100 *	43.6	88.4	11 700 *	48.5	90.6	12 200	55.9	93.1	10 200							42.0
44.0	29.3	79.6	9 600 *	39.8	86.1	11 100 *	45.1	88.8	11 500	52.8	91.7	9 600							44.0
46.0	23.7	75.6	9 100 *	35.7	83.5	10 500 *	41.4	86.6	10 900	49.6	90.1	9 100	56.8	92.0	7 400				46.0
48.0	16.3	70.1	8 700 *	31.2	80.5	10 000 *	37.5	84.2	10 400	46.3	88.3	8 600	53.7	90.6	6 900				48.0
50.0				26.0	76.8	9 500 *	33.2	81.4	9 900	42.7	86.3	8 100	50.5	89.1	6 500				50.0
52.0				19.5	72.1	9 000 *	28.3	78.0	9 400	38.8	83.9	7 700	47.2	87.3	6 100				52.0
54.0							22.4	73.8	9 000	34.6	81.3	7 300	43.7	85.4	5 800	51.2	87.5	4 400	54.0
56.0							14.5	67.8	8 600	30.0	78.1	7 000	39.9	83.1	5 500	47.9	85.8	4 100	56.0
58.0										24.5	74.2	6 700	35.8	80.5	5 200	44.4	83.9	3 800	58.0
60.0										17.5	69.0	6 400	31.3	77.5	4 900	40.7	81.7	3 600	60.0
62.0													26.1	73.9	4 700	36.7	79.2	3 400	62.0
64.0													19.6	69.1	4 400	32.2	76.3	3 200	64.0
66.0																27.2	72.8	2 900	66.0
68.0																21.1	68.3	2 800	68.0
70.0																12.3	61.6	2 600	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

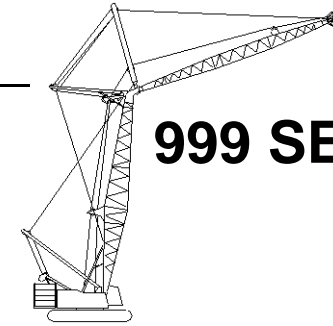
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.0	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	10 500							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	9 900							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	9 300							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	8 800							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	8 200	56.3	94.3	6 600				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	7 800	53.4	92.9	6 200				50.0
52.0				27.9	79.6	7 700 *	34.3	83.9	8 400 *	43.1	88.6	7 400	50.4	91.4	5 800				52.0
54.0				22.3	75.4	7 200 *	29.9	80.7	8 000 *	39.5	86.3	7 000	47.3	89.6	5 500				54.0
56.0				15.0	69.4	6 900 *	24.8	76.8	7 500 *	35.7	83.7	6 600	44.0	87.7	5 200	51.0	89.8	3 800	56.0
58.0							18.4	71.8	7 100 *	31.4	80.7	6 300	40.5	85.5	4 900	47.9	88.1	3 500	58.0
60.0										26.6	77.1	6 000	36.8	83.0	4 600	44.7	86.2	3 300	60.0
62.0										20.7	72.5	5 700	32.6	80.1	4 300	41.2	84.0	3 000	62.0
64.0										12.5	65.8	5 500	28.0	76.7	4 100	37.5	81.6	2 900	64.0
66.0													22.5	72.4	3 900	33.5	78.8	2 600	66.0
68.0													15.2	66.5	3 700	29.0	75.5	2 500	68.0
70.0																23.7	71.5	2 300	70.0
72.0																16.9	66.1	2 100	72.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

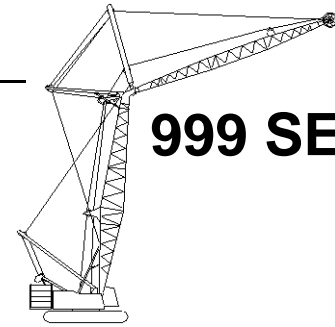
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.9	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	9 600							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	9 000							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	8 500							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	8 000							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	7 500	55.9	96.7	5 900				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	7 100	53.2	95.2	5 600				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	6 800	50.3	93.7	5 200				54.0
56.0				24.6	78.4	5 900 *	31.3	83.3	6 500 *	40.1	88.7	6 400	47.4	91.9	4 900				56.0
58.0				18.6	73.4	5 300 *	26.7	79.7	6 100 *	36.6	86.2	6 100	44.3	90.0	4 600	50.9	92.1	3 300	58.0
60.0							21.3	75.2	5 600 *	32.7	83.3	5 800	41.1	87.8	4 400	48.0	90.4	3 000	60.0
62.0							14.0	68.9	5 100 *	28.3	79.9	5 500	37.6	85.4	4 100	45.0	88.5	2 800	62.0
64.0										23.2	75.7	5 200	33.8	82.6	3 900	41.7	86.4	2 600	64.0
66.0										16.8	70.2	5 000	29.6	79.4	3 600	38.3	84.0	2 400	66.0
68.0													24.7	75.5	3 400	34.6	81.3	2 200	68.0
70.0													18.7	70.4	3 300	30.5	78.2	2 000	70.0
72.0																25.8	74.4	1 900	72.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	58.9	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	32 600 b																20.0
22.0	33.6	72.1	28 800 *	53.3	77.0	29 700 b																22.0
24.0	22.1	68.3	25 800 *	46.3	75.3	27 300	56.6	77.2	25 200 b													24.0
26.0				38.3	73.1	25 200	49.9	75.7	23 200 b													26.0
28.0				28.6	70.1	23 500	42.4	73.8	21 500	59.5	76.6	18 600 b										28.0
30.0				13.6	64.9	21 800	33.7	71.2	20 100	53.1	75.3	17 300 b										30.0
32.0							22.3	67.5	18 800	46.0	73.6	16 100										32.0
34.0										37.9	71.3	15 100	55.7	74.3	12 800 b							34.0
36.0										28.1	68.3	14 200	48.9	72.7	11 900							36.0
38.0										12.6	62.9	13 400	41.3	70.7	11 200							38.0
40.0													32.4	68.1	10 500	51.2	71.3	8 600 b				40.0
42.0													20.2	64.0	9 900	43.9	69.4	8 100				42.0
44.0																35.5	67.0	7 600				44.0
46.0																24.7	63.6	7 100				46.0
48.0																			45.6	67.5	5 600	48.0
50.0																			37.5	65.3	5 200	50.0
																			27.5	62.1	4 900	

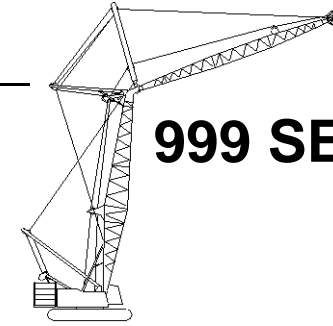


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**

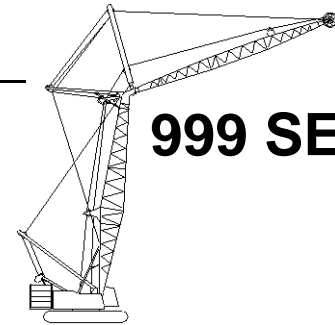
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	31 900 b																20.0
22.0	43.2	77.0	27 600 *	58.5	80.6	29 100 b																22.0
24.0	35.8	74.6	25 400 *	52.8	79.3	26 700	61.2	80.7	24 600 b													24.0
26.0	26.8	71.3	23 200 *	46.7	77.6	24 700	55.7	79.5	22 700 b													26.0
28.0				39.8	75.5	22 900	49.8	78.0	21 000													28.0
30.0				31.7	72.7	21 400	43.3	76.1	19 600	58.3	79.0	16 900 b										30.0
32.0				21.2	68.7	20 000	35.9	73.7	18 300	52.6	77.6	15 700										32.0
34.0							26.9	70.4	17 200	46.4	75.9	14 600										34.0
36.0							13.2	64.9	16 300	39.5	73.7	13 700	54.9	76.6	11 500							36.0
38.0										31.3	70.9	13 000	48.9	75.0	10 800							38.0
40.0										20.6	66.8	12 300	42.3	73.1	10 100							40.0
42.0													34.8	70.6	9 500							42.0
44.0													25.4	67.1	9 000							44.0
46.0																44.5	71.8	7 200				46.0
48.0																37.4	69.5	6 800				48.0
50.0																28.7	66.4	6 400				50.0
52.0																16.5	61.6	6 000	39.1	67.6	4 500	52.0
54.0																			30.9	64.8	4 200	54.0
																			19.9	60.6	3 900	



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

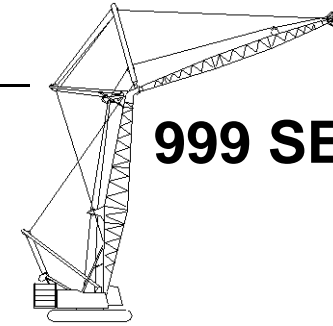
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	66.3	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	31 300 b																20.0
22.0	49.6	81.2	26 300 *	62.3	84.2	28 600 b																22.0
24.0	43.9	79.3	24 300 *	57.5	83.0	26 200	64.7	84.2	24 200 b													24.0
26.0	37.5	77.0	22 500 *	52.4	81.6	24 200	59.9	83.1	22 300 b													26.0
28.0	29.9	74.0	20 800 *	46.9	79.9	22 500	55.0	81.8	20 600													28.0
30.0	20.0	69.7	19 300 *	40.9	77.8	21 000	49.7	80.3	19 200													30.0
32.0				34.0	75.2	19 600	44.0	78.4	18 000	57.3	81.3	15 300										32.0
34.0				25.6	71.7	18 500	37.6	76.1	16 800	52.2	79.9	14 300										34.0
36.0				12.9	66.0	17 300	30.1	73.1	15 800	46.7	78.2	13 400										36.0
38.0							20.2	68.8	15 000	40.6	76.1	12 600	54.3	78.9	10 500							38.0
40.0										33.7	73.4	11 900	48.9	77.3	9 800							40.0
42.0										25.2	69.9	11 300	43.1	75.4	9 200							42.0
44.0										12.1	64.0	10 700	36.6	73.0	8 700							44.0
46.0													28.9	69.9	8 200	45.1	74.1	6 500				46.0
48.0													18.4	65.3	7 800	38.8	71.8	6 100				48.0
50.0																31.5	69.0	5 800				50.0
52.0																22.3	65.1	5 500	40.3	70.0	4 000	52.0
54.0																			33.3	67.3	3 700	54.0
56.0																			24.7	63.7	3 500	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

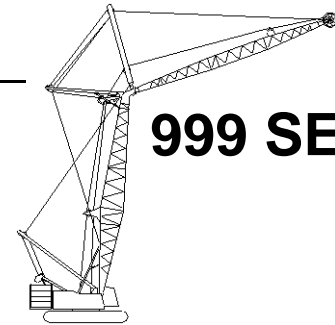
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	30 300 b																20.0
22.0	54.3	85.1	25 000 *	65.3	87.5	28 000 b																22.0
24.0	49.6	83.5	23 200 *	61.1	86.5	25 700																24.0
26.0	44.4	81.6	21 500 *	56.7	85.3	23 700	63.2	86.6	21 800													26.0
28.0	38.8	79.4	20 000 *	52.1	83.9	22 000	58.9	85.5	20 100													28.0
30.0	32.3	76.6	18 500 *	47.1	82.2	20 500	54.4	84.2	18 700													30.0
32.0	24.3	72.9	17 200 *	41.8	80.2	19 100	49.6	82.6	17 500	60.9	84.9	14 900										32.0
34.0				35.7	77.7	18 000	44.5	80.7	16 400	56.5	83.6	13 900										34.0
36.0				28.7	74.5	16 900	38.8	78.5	15 400	51.9	82.2	13 000										36.0
38.0				19.5	70.0	16 000	32.4	75.7	14 500	46.9	80.5	12 200										38.0
40.0							24.5	72.0	13 700	41.5	78.4	11 500	53.7	81.2	9 500							40.0
42.0							12.6	66.0	13 100	35.5	75.9	10 800	48.9	79.6	8 900							42.0
44.0										28.3	72.7	10 300	43.7	77.7	8 300							44.0
46.0										19.0	68.1	9 800	38.0	75.4	7 900	50.5	78.2	6 100				46.0
48.0													31.4	72.5	7 400	45.5	76.4	5 800				48.0
50.0													23.2	68.6	7 000	39.9	74.2	5 400				50.0
52.0																33.6	71.5	5 100	46.6	74.4	3 600	52.0
54.0																26.1	68.0	4 800	41.2	72.4	3 400	54.0
56.0																15.4	62.8	4 500	35.1	69.8	3 100	56.0
58.0																			27.9	66.6	2 900	58.0
60.0																			18.4	61.9	2 700	60.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

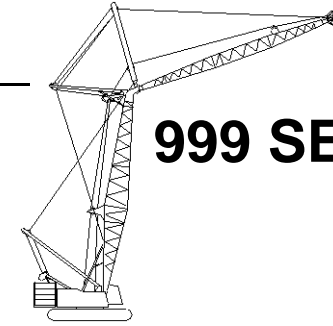
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	23 700	65.8	90.0	21 800													26.0
28.0	44.9	84.0	18 900 *	56.0	87.7	22 000	62.0	89.0	20 200													28.0
30.0	39.8	81.8	17 700 *	51.8	86.2	20 500	58.0	87.8	18 800													30.0
32.0	34.1	79.1	16 500 *	47.3	84.5	19 100	53.9	86.5	17 600													32.0
34.0	27.4	75.7	15 500 *	42.5	82.5	18 000	49.6	84.9	16 400	59.9	87.2	14 000										34.0
36.0	18.6	71.0	14 600 *	37.1	80.1	16 900	44.9	83.0	15 500	55.8	86.0	13 100										36.0
38.0				31.0	77.1	16 000	39.8	80.9	14 600	51.6	84.5	12 300										38.0
40.0				23.5	73.2	15 200	34.2	78.2	13 800	47.1	82.8	11 600										40.0
42.0				12.5	67.1	14 200	27.5	74.8	13 000	42.2	80.8	10 900	53.3	83.5	9 000							42.0
44.0							18.8	70.2	12 400	36.9	78.3	10 400	48.9	81.9	8 500							44.0
46.0										30.7	75.3	9 800	44.2	80.0	8 000							46.0
48.0										23.2	71.4	9 300	39.1	77.8	7 500	50.4	80.5	5 900				48.0
50.0										11.8	65.1	8 900	33.3	75.0	7 100	45.8	78.7	5 500				50.0
52.0													26.4	71.6	6 800	40.8	76.6	5 200				52.0
54.0													17.2	66.6	6 400	35.3	74.0	4 900				54.0
56.0																28.8	70.8	4 600	42.0	74.7	3 300	56.0
58.0																20.6	66.5	4 400	36.6	72.2	3 000	58.0
60.0																			30.4	69.2	2 800	60.0
62.0																			22.7	65.2	2 700	62.0
64.0																			10.9	58.6	2 500	64.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

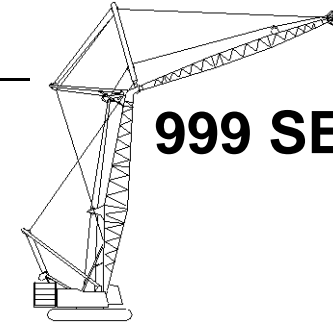
Maximum Operating Wind Speeds
 (all boom lengths)
 10 m/s with 21.3m thru 33.5m Luffing Jib
 7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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	21 500	64.5	92.4	19 700													28.0
30.0	45.2	86.3	16 900 *	55.5	90.0	20 100	61.0	91.4	18 400													30.0
32.0	40.6	84.1	15 800 *	51.6	88.5	18 700	57.3	90.2	17 100													32.0
34.0	35.5	81.6	14 800 *	47.4	86.8	17 600	53.5	88.8	16 000													34.0
36.0	29.7	78.4	14 000 *	43.0	84.8	16 500	49.5	87.2	15 100	59.0	89.6	12 700										36.0
38.0	22.6	74.4	13 100 *	38.2	82.5	15 600	45.3	85.4	14 200	55.3	88.3	11 900										38.0
40.0				32.8	79.7	14 800	40.7	83.2	13 400	51.4	86.8	11 200										40.0
42.0				26.5	76.2	14 000	35.6	80.7	12 700	47.3	85.1	10 600										42.0
44.0				18.2	71.3	13 300	29.8	77.5	12 000	42.8	83.1	10 000	53.0	85.8	8 100							44.0
46.0							22.7	73.5	11 400	38.0	80.7	9 500	48.9	84.2	7 600							46.0
48.0							12.2	67.1	10 900	32.6	77.9	9 000	44.6	82.3	7 200							48.0
50.0										26.2	74.4	8 500	40.0	80.1	6 800	50.3	82.8	5 200				50.0
52.0										17.8	69.4	8 100	34.8	77.5	6 400	46.1	81.0	4 900				52.0
54.0													28.9	74.3	6 100	41.5	78.9	4 600				54.0
56.0													21.5	70.1	5 800	36.6	76.4	4 300				56.0
58.0																30.9	73.4	4 000	42.6	77.0	2 700	58.0
60.0																24.1	69.6	3 800	37.7	74.7	2 500	60.0
62.0																14.7	63.9	3 600	32.3	71.8	2 300	62.0
64.0																			25.8	68.2	2 100	64.0
66.0																			17.3	63.1	2 000	66.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

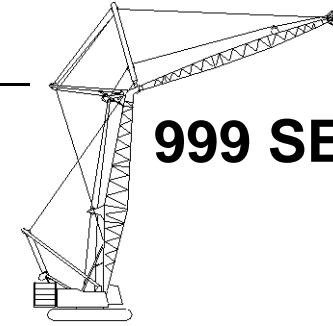
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	19 400													28.0
30.0	49.4	90.4	16 200 *	58.4	93.6	19 100 *	63.4	94.8	18 000													30.0
32.0	45.5	88.6	15 200 *	55.0	92.3	18 200 *	60.1	93.7	16 800													32.0
34.0	41.3	86.5	14 300 *	51.4	90.8	17 300	56.7	92.5	15 700													34.0
36.0	36.7	84.0	13 400 *	47.6	89.1	16 200	53.2	91.1	14 700													36.0
38.0	31.5	81.0	12 600 *	43.5	87.1	15 300	49.5	89.5	13 900	58.3	91.9	11 600										38.0
40.0	25.5	77.4	11 900 *	39.1	84.9	14 400	45.6	87.7	13 100	54.8	90.6	10 900										40.0
42.0	17.6	72.3	11 400 *	34.3	82.2	13 700	41.4	85.6	12 400	51.2	89.1	10 300										42.0
44.0				28.8	78.9	13 000	36.8	83.1	11 700	47.4	87.4	9 700										44.0
46.0				22.0	74.7	12 400	31.6	80.1	11 100	43.3	85.4	9 200	52.7	88.2	7 400							46.0
48.0				12.1	68.2	11 700	25.6	76.5	10 600	38.9	83.1	8 700	48.9	86.5	6 900							48.0
50.0							17.7	71.4	10 100	34.1	80.4	8 200	45.0	84.7	6 500							50.0
52.0										28.5	77.1	7 900	40.7	82.5	6 200	50.2	85.1	4 600				52.0
54.0										21.7	72.8	7 400	36.1	80.0	5 800	46.3	83.3	4 300				54.0
56.0										11.5	66.1	7 200	30.8	77.0	5 500	42.1	81.2	4 000				56.0
58.0													24.6	73.1	5 200	37.6	78.9	3 800	47.2	81.3	2 500	58.0
60.0													16.3	67.8	5 000	32.6	76.0	3 600	43.1	79.4	2 300	60.0
62.0																26.8	72.5	3 300	38.7	77.0	2 100	62.0
64.0																19.4	67.8	3 200	33.8	74.3	1 900	64.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

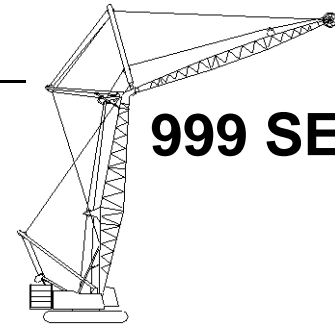
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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			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	
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	17 600										30.0
32.0	49.4	92.7	14 500 *	57.8	96.0	16 600 *	62.4	97.2	16 400										32.0
34.0	45.8	90.9	13 700 *	54.6	94.6	15 900 *	59.4	96.1	15 300										34.0
36.0	41.9	88.8	12 900 *	51.2	93.1	15 100 *	56.2	94.8	14 300										36.0
38.0	37.7	86.4	12 200 *	47.7	91.4	14 400 *	52.9	93.4	13 500	60.8	95.5	11 200							38.0
40.0	33.0	83.6	11 500 *	43.9	89.5	13 700 *	49.4	91.8	12 700	57.7	94.3	10 600							40.0
42.0	27.7	80.2	10 900 *	39.9	87.2	13 100 *	45.8	90.0	12 000	54.4	92.9	9 900							42.0
44.0	21.3	75.8	10 300 *	35.5	84.6	12 500 *	41.9	87.9	11 400	51.1	91.4	9 400							44.0
46.0				30.6	81.6	11 900 *	37.7	85.5	10 800	47.5	89.7	8 800	55.7	91.9	7 000				46.0
48.0				24.8	77.8	11 400 *	33.1	82.7	10 200	43.7	87.7	8 300	52.4	90.5	6 600				48.0
50.0				17.3	72.6	10 900	27.8	79.3	9 700	39.7	85.5	7 900	48.9	88.8	6 200				50.0
52.0							21.3	74.9	9 300	35.3	82.9	7 500	45.3	87.0	5 800				52.0
54.0							12.0	68.2	8 900	30.3	79.8	7 100	41.4	84.8	5 500	50.1	87.4	4 000	54.0
56.0										24.5	75.9	6 800	37.1	82.4	5 200	46.5	85.6	3 700	56.0
58.0										16.9	70.6	6 500	32.4	79.5	4 900	42.7	83.6	3 500	58.0
60.0													27.0	76.0	4 600	38.5	81.2	3 200	60.0
62.0													20.3	71.4	4 400	34.0	78.5	3 000	62.0
64.0													10.0	64.0	4 200	28.8	75.2	2 800	64.0
66.0																22.7	71.1	2 600	66.0
68.0																14.1	65.1	2 500	68.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

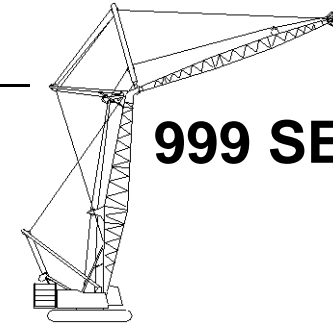
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib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



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 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 2

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			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.1	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	10 000							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	9 400							42.0
44.0	35.4	88.5	8 300 *	44.6	94.1	9 900 *	49.4	96.4	10 800	56.6	98.9	8 800							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	8 300							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	7 900							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	7 400	54.9	96.6	5 700				50.0
52.0				28.8	83.3	7 800 *	35.4	87.6	8 600 *	44.4	92.4	7 000	52.0	95.1	5 400				52.0
54.0				23.5	79.3	7 400 *	31.1	84.6	8 100 *	41.0	90.2	6 600	49.0	93.4	5 000				54.0
56.0				16.6	73.8	7 000 *	26.2	80.9	7 600 *	37.2	87.7	6 300	45.8	91.6	4 700				56.0
58.0							20.3	76.3	7 200 *	33.2	84.9	6 000	42.4	89.5	4 400	50.0	92.0	3 000	58.0
60.0							11.8	69.3	6 800 *	28.6	81.6	5 700	38.8	87.2	4 200	46.8	90.2	2 800	60.0
62.0										23.2	77.4	5 400	34.8	84.5	4 000	43.5	88.2	2 600	62.0
64.0										16.2	71.8	5 200	30.5	81.4	3 700	40.0	86.0	2 400	64.0
66.0													25.5	77.6	3 500	36.1	83.4	2 200	66.0
68.0													19.3	72.8	3 300	32.0	80.5	2 000	68.0
70.0													10.0	65.1	3 200	27.2	76.9	1 900	70.0

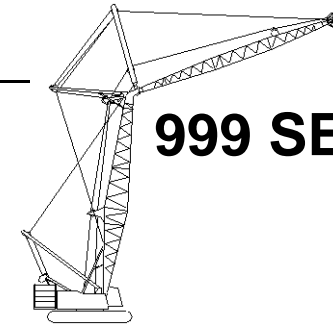


Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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 2

57.9m (190 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

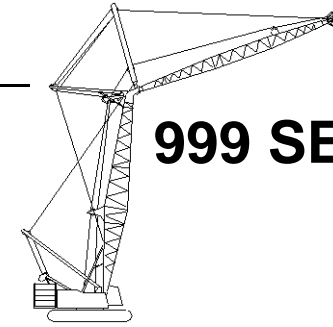
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	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	9 100							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	8 600							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	8 100							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	7 600							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	7 200							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	6 800	54.6	98.9	5 100				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	6 400	51.8	97.4	4 800				54.0
56.0				25.6	82.2	6 000 *	32.4	87.1	6 700 *	41.5	92.5	6 000	49.0	95.7	4 500				56.0
58.0				19.8	77.5	5 500 *	28.0	83.7	6 200 *	38.0	90.1	5 700	46.0	93.9	4 200	52.7	95.9	2 800	58.0
60.0				11.7	70.4	5 000 *	22.9	79.5	5 700 *	34.3	87.4	5 400	42.8	91.8	4 000	49.9	94.3	2 600	60.0
62.0							16.3	73.9	5 200 *	30.1	84.2	5 200	39.4	89.6	3 700	46.9	92.5	2 300	62.0
64.0							3.0	62.1	4 800 *	25.4	80.4	4 900	35.8	87.0	3 500	43.8	90.5	2 100	64.0
66.0										19.6	75.6	4 700	31.8	84.0	3 300	40.5	88.3	1 900	66.0
68.0										11.2	68.3	4 500	27.3	80.4	3 100	37.0	85.8	1 800	68.0
70.0													22.1	76.1	2 900				70.0
72.0													15.1	70.2	2 700				72.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

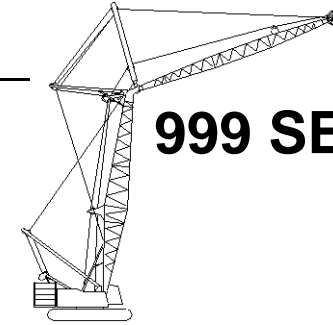
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	25 000																24.0
26.0	44.7	84.8	20 300 *	57.5	88.6	23 400	64.3	89.8	21 400 b													26.0
28.0	39.1	82.6	18 900 *	52.9	87.2	21 700	60.1	88.8	19 800													28.0
30.0	32.7	79.8	17 700 *	48.1	85.6	20 300	55.6	87.5	18 500													30.0
32.0	24.8	76.2	16 600 *	42.8	83.6	19 000	50.9	86.0	17 200	62.6	88.2	14 600										32.0
34.0				36.9	81.2	17 800	45.9	84.3	16 200	58.3	87.1	13 600										34.0
36.0				30.1	78.2	16 800	40.4	82.1	15 200	53.7	85.7	12 700										36.0
38.0				21.5	74.0	15 900	34.2	79.5	14 300	48.9	84.1	12 000										38.0
40.0							26.8	76.1	13 600	43.7	82.2	11 300	56.1	84.8	9 100							40.0
42.0							16.6	71.1	12 900	37.9	79.9	10 600	51.5	83.4	8 600							42.0
44.0										31.3	77.0	10 000	46.5	81.6	8 100							44.0
46.0										23.1	73.1	9 500	41.1	79.5	7 600							46.0
48.0													35.0	77.0	7 200	48.8	80.3	5 400				48.0
50.0													27.7	73.7	6 800	43.5	78.4	5 100				50.0
52.0													18.0	68.9	6 500	37.8	76.1	4 800				52.0
54.0																31.1	73.2	4 500	45.4	76.6	3 000	54.0
56.0																22.8	69.2	4 200	39.8	74.4	2 800	56.0
58.0																			33.6	71.8	2 600	58.0
60.0																			26.0	68.3	2 400	60.0
62.0																			15.3	62.9	2 200	62.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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	23 200	66.8	93.2	21 200 b													26.0
28.0	45.1	87.1	18 200 *	56.8	90.9	21 500	63.0	92.3	19 600													28.0
30.0	40.1	84.9	17 000 *	52.6	89.5	20 000	59.1	91.1	18 300													30.0
32.0	34.4	82.3	16 000 *	48.2	87.9	18 700	55.0	89.8	17 100													32.0
34.0	27.8	79.0	15 000 *	43.4	85.9	17 600	50.7	88.3	16 000	61.4	90.6	13 400										34.0
36.0	19.2	74.4	14 200 *	38.2	83.6	16 500	46.2	86.6	15 000	57.5	89.4	12 600										36.0
38.0				32.2	80.8	15 600	41.2	84.5	14 100	53.3	88.0	11 800										38.0
40.0				25.1	77.1	14 800	35.7	82.0	13 400	48.9	86.4	11 100										40.0
42.0				15.1	71.6	14 100	29.4	78.8	12 700	44.2	84.5	10 500	55.5	87.1	8 500							42.0
44.0							21.4	74.6	12 000	39.1	82.3	9 900	51.3	85.7	7 900							44.0
46.0										33.3	79.6	9 400	46.7	83.9	7 500							46.0
48.0										26.4	76.1	8 900	41.8	81.9	7 000							48.0
50.0										17.2	71.1	8 500	36.4	79.4	6 700	48.8	82.6	5 000				50.0
52.0													30.2	76.4	6 300	44.1	80.7	4 700				52.0
54.0													22.5	72.3	6 000	38.9	78.5	4 400				54.0
56.0													10.4	65.5	5 700	33.1	75.7	4 200				56.0
58.0																26.2	72.2	3 900	40.7	76.8	2 500	58.0
60.0																16.8	67.1	3 700	35.2	74.2	2 300	60.0
62.0																			28.7	71.0	2 200	62.0
64.0																			20.5	66.7	2 000	64.0

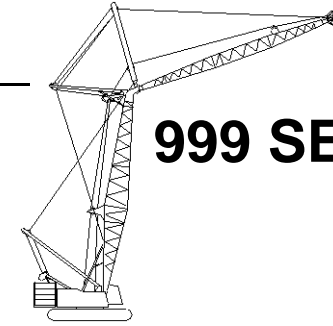


999 SERIES 2

Liftcrane Luffing Jib Capacities

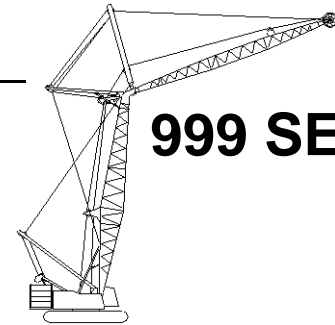
Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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			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	
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	21 100	65.4	95.6	19 200										28.0
30.0	45.4	89.4	16 300 *	56.2	93.3	19 600	61.9	94.6	17 800										30.0
32.0	40.9	87.3	15 300 *	52.3	91.8	18 300	58.3	93.5	16 600										32.0
34.0	35.8	84.8	14 400 *	48.2	90.2	17 200	54.5	92.2	15 600										34.0
36.0	30.0	81.7	13 500 *	43.9	88.2	16 100	50.6	90.6	14 600	60.5	93.0	12 200							36.0
38.0	23.0	77.7	12 800 *	39.1	86.0	15 200	46.4	88.9	13 800	56.8	91.8	11 400							38.0
40.0				33.9	83.3	14 400	41.9	86.8	13 000	53.0	90.4	10 800							40.0
42.0				27.8	79.9	13 700	37.0	84.4	12 300	48.9	88.7	10 100							42.0
44.0				20.0	75.4	13 000	31.4	81.4	11 700	44.6	86.9	9 500	55.0	89.5	7 600				44.0
46.0							24.8	77.7	11 100	40.0	84.7	9 000	51.1	88.0	7 100				46.0
48.0							15.7	72.3	10 600	34.8	82.0	8 500	46.9	86.2	6 700				48.0
50.0										28.9	78.8	8 100	42.5	84.2	6 300				50.0
52.0										21.5	74.6	7 700	37.6	81.8	6 000	48.8	84.9	4 400	52.0
54.0													32.1	78.9	5 700	44.5	83.1	4 100	54.0
56.0													25.6	75.3	5 400	39.8	80.8	3 800	56.0
58.0													17.0	70.2	5 100	34.6	78.2	3 600	58.0
60.0																28.7	75.0	3 300	60.0
62.0																21.2	70.7	3 200	62.0
64.0																9.3	63.4	3 000	64.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

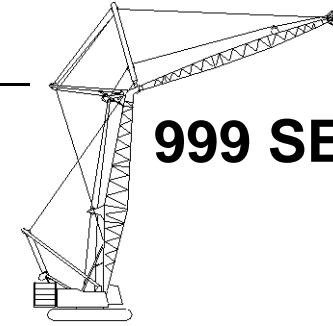
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib 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	
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	17 500										30.0
32.0	45.7	91.7	14 700 *	55.6	95.6	18 000	61.0	97.0	16 300										32.0
34.0	41.5	89.6	13 800 *	52.1	94.1	16 800	57.6	95.8	15 300										34.0
36.0	37.0	87.2	13 000 *	48.3	92.5	15 800	54.1	94.5	14 300										36.0
38.0	31.8	84.3	12 300 *	44.3	90.5	14 900	50.5	92.9	13 500	59.6	95.3	11 100							38.0
40.0	25.8	80.6	11 600 *	40.0	88.3	14 100	46.6	91.2	12 700	56.2	94.1	10 400							40.0
42.0	18.1	75.7	11 100 *	35.2	85.7	13 300	42.5	89.1	12 000	52.7	92.7	9 900							42.0
44.0				29.9	82.6	12 700	38.0	86.8	11 300	48.9	91.0	9 300							44.0
46.0				23.4	78.6	12 100	33.0	84.0	10 800	45.0	89.2	8 800	54.5	91.8	6 900				46.0
48.0				14.5	72.8	11 600	27.3	80.5	10 200	40.7	87.0	8 300	50.9	90.3	6 500				48.0
50.0							20.1	76.0	9 800	36.1	84.5	7 900	47.1	88.5	6 100				50.0
52.0										30.8	81.5	7 400	43.0	86.5	5 700	52.6	88.9	4 100	52.0
54.0										24.6	77.6	7 100	38.6	84.2	5 400	48.8	87.2	3 800	54.0
56.0										16.3	72.3	6 800	33.7	81.5	5 100	44.9	85.4	3 600	56.0
58.0													28.0	78.1	4 800	40.6	83.2	3 300	58.0
60.0													21.0	73.7	4 600	35.9	80.7	3 100	60.0
62.0													10.3	66.6	4 400	30.6	77.6	2 900	62.0
64.0																24.4	73.8	2 700	64.0
66.0																16.0	68.3	2 500	66.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

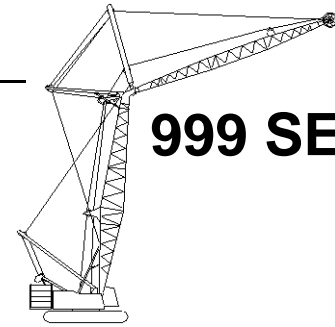
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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			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	
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	17 100										30.0
32.0	49.6	95.8	14 000 *	58.4	99.2	16 600 *	63.2	100.5	15 900										32.0
34.0	46.0	94.0	13 200 *	55.2	97.9	15 900 *	60.2	99.4	14 900										34.0
36.0	42.1	92.0	12 500 *	51.8	96.4	15 200 *	57.0	98.2	13 900										36.0
38.0	37.9	89.6	11 800 *	48.3	94.8	14 500 *	53.8	96.8	13 100										38.0
40.0	33.3	86.8	11 200 *	44.6	92.9	13 700	50.4	95.2	12 300	58.9	97.7	10 100							40.0
42.0	28.0	83.4	10 600 *	40.7	90.7	13 000	46.8	93.5	11 600	55.7	96.4	9 500							42.0
44.0	21.6	79.1	10 100 *	36.4	88.2	12 300	43.0	91.5	11 000	52.4	95.0	8 900							44.0
46.0				31.5	85.2	11 700	38.9	89.2	10 400	48.9	93.3	8 400	57.4	95.5	6 500				46.0
48.0				26.0	81.6	11 100	34.4	86.5	9 900	45.3	91.5	7 900	54.2	94.1	6 100				48.0
50.0				18.9	76.7	10 600	29.3	83.3	9 400	41.3	89.4	7 500	50.8	92.6	5 700				50.0
52.0							23.2	79.2	9 000	37.1	86.9	7 100	47.2	90.8	5 400				52.0
54.0							15.0	73.4	8 600	32.4	84.0	6 700	43.4	88.9	5 100				54.0
56.0										27.0	80.5	6 400	39.4	86.6	4 800	48.8	89.5	3 200	56.0
58.0										20.2	75.9	6 100	34.9	83.9	4 500	45.2	87.7	3 000	58.0
60.0													29.9	80.8	4 200	41.2	85.5	2 800	60.0
62.0													24.0	76.9	4 000	37.0	83.1	2 600	62.0
64.0													16.2	71.4	3 800	32.2	80.2	2 400	64.0
66.0																26.8	76.7	2 200	66.0
68.0																20.0	72.0	2 100	68.0
70.0																9.5	64.4	1 900	70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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

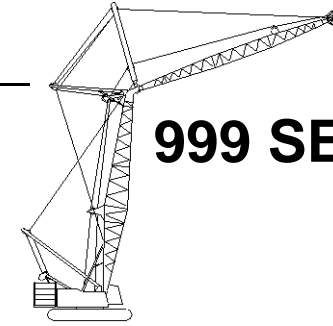
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.2	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	15 700										32.0
34.0	49.5	98.1	12 500 *	57.8	101.6	14 600 *	62.4	102.9	14 600										34.0
36.0	46.2	96.3	11 900 *	54.8	100.2	13 900 *	59.5	101.8	13 700										36.0
38.0	42.6	94.3	11 300 *	51.7	98.7	13 200 *	56.5	100.5	12 900										38.0
40.0	38.7	92.0	10 700 *	48.4	97.1	12 600 *	53.5	99.1	12 200	61.2	101.2	9 900							40.0
42.0	34.5	89.3	10 200 *	44.9	95.2	12 000 *	50.3	97.5	11 500	58.3	100.1	9 300							42.0
44.0	29.8	86.1	9 700 *	41.3	93.0	11 300 *	46.9	95.8	10 800	55.3	98.7	8 800							44.0
46.0	24.3	82.2	9 200 *	37.3	90.6	10 800 *	43.4	93.8	10 300	52.2	97.3	8 300							46.0
48.0	17.3	76.9	8 800 *	32.9	87.7	10 200 *	39.6	91.5	9 700	48.9	95.6	7 800	56.9	97.8	6 000				48.0
50.0				28.0	84.3	9 700 *	35.5	88.9	9 200	45.5	93.8	7 400	53.8	96.4	5 600				50.0
52.0				22.1	80.1	9 300 *	30.9	85.9	8 800	41.9	91.7	6 900	50.7	94.9	5 200				52.0
54.0				14.0	73.9	8 900 *	25.6	82.2	8 400	38.0	89.3	6 600	47.3	93.1	4 900				54.0
56.0							19.1	77.3	8 000	33.7	86.5	6 300	43.8	91.2	4 600				56.0
58.0										28.9	83.2	5 900	40.1	88.9	4 300	48.8	91.8	2 900	58.0
60.0										23.2	79.1	5 700	36.0	86.4	4 100	45.4	90.0	2 700	60.0
62.0										15.6	73.5	5 400	31.5	83.4	3 900	41.8	87.9	2 500	62.0
64.0													26.3	79.8	3 700	37.9	85.5	2 300	64.0
66.0													19.9	75.1	3 400	33.6	82.7	2 100	66.0
68.0													10.3	67.7	3 300	28.7	79.4	1 900	68.0
70.0																23.0	75.3	1 800	70.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

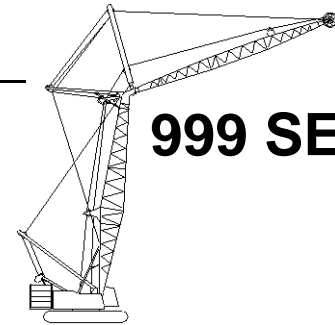
Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 51.8m Luffing Jib



999 SERIES 2

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			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.2	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	13 400										36.0
38.0	46.3	98.6	10 000 *	54.4	102.6	11 900 *	58.9	104.1	12 600										38.0
40.0	43.0	96.6	9 500 *	51.5	101.0	11 300 *	56.1	102.8	11 800										40.0
42.0	39.4	94.3	8 900 *	48.4	99.4	10 600 *	53.2	101.4	11 100	60.5	103.6	8 900							42.0
44.0	35.6	91.7	8 400 *	45.2	97.5	10 000 *	50.2	99.8	10 500	57.7	102.4	8 400							44.0
46.0	31.3	88.7	7 900 *	41.8	95.4	9 400 *	47.1	98.1	9 900	54.9	101.1	7 900							46.0
48.0	26.4	85.1	7 500 *	38.1	93.0	8 900 *	43.8	96.1	9 400	52.0	99.6	7 500							48.0
50.0	20.6	80.5	7 100 *	34.1	90.2	8 400 *	40.3	93.9	8 900	48.9	97.9	7 000							50.0
52.0				29.7	87.0	7 900 *	36.5	91.4	8 400	45.7	96.1	6 600	53.5	98.7	4 900				52.0
54.0				24.5	83.1	7 500 *	32.3	88.4	8 000	42.4	94.0	6 300	50.6	97.2	4 600				54.0
56.0				18.1	78.0	7 100 *	27.6	85.0	7 700	38.7	91.7	5 900	47.4	95.4	4 300				56.0
58.0							22.0	80.6	7 300	34.8	89.0	5 600	44.2	93.5	4 000	51.9	95.8	2 600	58.0
60.0							14.5	74.6	7 000 *	30.5	85.9	5 300	40.7	91.3	3 800	48.8	94.1	2 300	60.0
62.0										25.4	82.1	5 100	36.9	88.8	3 500	45.6	92.3	2 100	62.0
64.0										19.3	77.3	4 800	32.8	85.9	3 400	42.3	90.2	1 900	64.0
66.0													28.2	82.5	3 100				66.0
68.0													22.7	78.3	3 000				68.0
70.0													15.6	72.6	2 800				70.0



999 SERIES 2

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
 83 730 kg Crane Counterweight
 19 960 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, 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			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		
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	8 200				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	7 600				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	7 200				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	6 800				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	6 400	56.0	102.5	4 700	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	6 000	53.3	101.0	4 300	54.0	
56.0				26.5	86.0	6 100 *	33.5	91.0	6 800 *	42.8	96.4	5 700	50.5	99.5	4 100	56.0	
58.0				21.0	81.5	5 600 *	29.2	87.7	6 400 *	39.4	94.1	5 400	47.5	97.7	3 800	58.0	
60.0				13.6	75.1	5 100 *	24.3	83.7	6 000 *	35.8	91.5	5 100	44.5	95.8	3 600	60.0	
62.0							18.2	78.6	5 400 *	31.8	88.5	4 800	41.2	93.6	3 300	62.0	
64.0								8.7	70.2	4 900 *	27.3	84.9	4 600	37.7	91.2	3 100	64.0
66.0										22.0	80.6	4 300	34.0	88.4	2 900	66.0	
68.0										15.1	74.6	4 100	29.8	85.2	2 700	68.0	
70.0													24.9	81.4	2 500	70.0	
72.0													19.0	76.4	2 400	72.0	