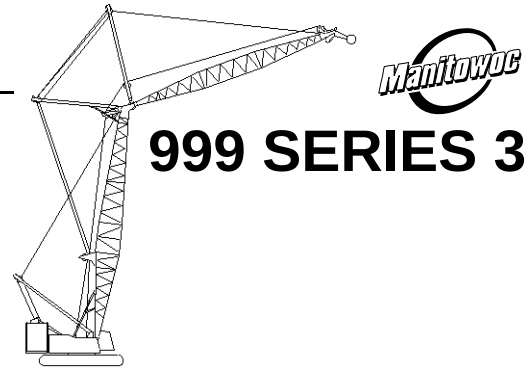




Liftcrane Luffing Jib Capacities

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

Maximum Operating Wind Speeds (all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m 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 1 770 kg minimum block weight.

Consult Luffing Jib Raising Procedure chart **No. 9270-A** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

Upper luffing jib point capacity for liftcrane service with single part whip line is 13 380 kg or 26 760 kg with two part line (9 070 kg with one part line or 18 140 kg with 2 part line when auxiliary drum is used). In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, etc., beneath boom, intermediate fall 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 13 mm 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. A01031**, Wire Rope Specification chart **No. 8405-A** and Luffing Jib Raising Procedure chart **No. 9270-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. 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 75 degrees and luffing jib at 55 degrees for luffing jib lengths 21.3m thru 42.7m; position boom at 80 degrees and luffing jib at 60 degrees for luffing jib lengths 45.7m thru 73.2m. Lower boom and jib onto blocking at ground level when wind is above conditions stated in Maximum Parking Wind Speed table.

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. 8360-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, 9 part luffing jib hoist reeving, luffing jib straps, two 38 mm luffing jib backstay pendants, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

Consult chart **No. 8350-AM** for intermediate fall capacities. Consult chart **No. 8366-AM** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8356-AM** for fixed jib on luffing jib capacities. Chart **No. 8366-AM** cannot be used when fixed jib No. 134 is attached to luffing jib No. 149.



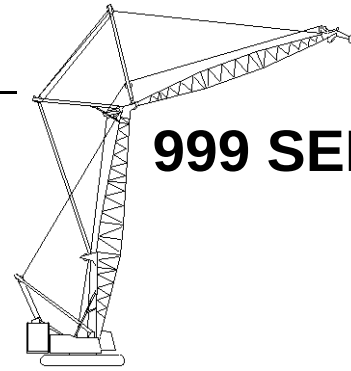
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



Maximum Parking Wind Speeds (all boom lengths)

Luffing Jib Lengths	Lower To Ground
21.3m - 42.7m	22 m/s
45.7m - 51.8m	18 m/s
54.9m - 61.0m	16 m/s
64.0m - 67.1m	13 m/s
70.1m - 73.2m	11 m/s

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached

Fixed Jib Length	Fixed Jib No. 134
9.1m	1 860 kg
12.2m	2 220 kg
15.2m	2 630 kg
18.3m	3 040 kg
21.3m	3 360 kg
24.4m	3 810 kg

Intermediate Fall Deduct

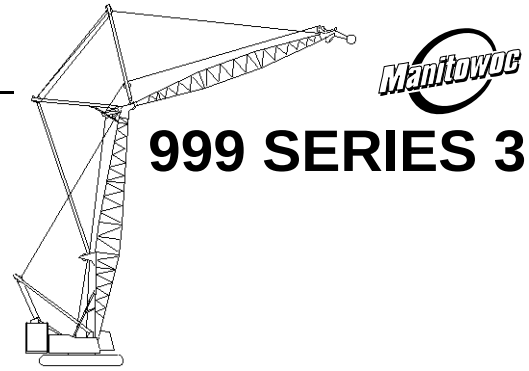
Deduct 680 kg from capacities when luffing jib is equipped with intermediate fall.

Boom Catwalks Deduct

Deduct 150 kg from capacities when boom catwalks are attached.

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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 Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Point Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.0	69.3	46.6	72 500*b																			11.0
12.0	66.3	46.2	66 400*b																			12.0
14.0	60.2	45.2	59 100*b	62.8	45.6	61 900*b	66.6	46.0	66 300*b													14.0
16.0	53.7	43.8	52 700*	56.5	44.3	55 200*	60.6	45.0	58 900*b	64.4	45.5	60 900b										16.0
18.0	46.6	42.1	46 200*	49.7	42.8	48 900*	54.1	43.7	52 700*	58.2	44.3	53 800										18.0
20.0	38.5	39.8	39 900*	42.1	40.8	42 200*	47.1	42.0	46 500*	51.6	42.9	48 100	58.4	43.8	46 400							20.0
22.0	28.5	36.7	34 700*	33.1	38.1	37 000*	39.0	39.7	40 100*	44.2	41.0	42 500	51.8	42.4	41 000							22.0
24.0	12.2	30.9	25 100*	20.8	34.0	31 000*	29.2	36.7	35 300*	35.7	38.5	38 000	44.5	40.5	36 700	51.8	41.7	35 400				24.0
26.0										24.6	34.9	33 700*	36.0	38.1	33 100	44.5	39.8	31 900	51.6	40.8	30 800	26.0
28.0													25.0	34.5	30 000	36.0	37.4	29 000	44.3	38.9	27 900	28.0
30.0																25.1	33.9	26 500	35.7	36.4	25 600	30.0
32.0																			24.7	32.9	23 500	32.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.0	72.0	49.9	69 000*b																			11.0
12.0	69.4	49.5	64 700*b																			12.0
14.0	64.3	48.6	57 600*b	66.5	49.0	60 300*b	69.7	49.3	64 600*b													14.0
16.0	58.9	47.5	51 600*	61.2	47.9	53 900*	64.6	48.5	57 500*b													16.0
18.0	53.1	46.1	45 700*	55.6	46.7	48 500*	59.2	47.3	51 600*	62.6	47.8	52 700										18.0
20.0	46.9	44.4	39 600*	49.6	45.1	42 100*	53.5	46.0	46 300*	57.1	46.6	47 100										20.0
22.0	40.0	42.2	34 800*	43.0	43.1	36 700*	47.3	44.3	39 900*	51.3	45.2	42 300	57.3	46.2	40 800							22.0
24.0	31.8	39.3	30 900*	35.5	40.6	32 500*	40.4	42.1	35 000*	44.8	43.3	37 700	51.5	44.7	36 300							24.0
26.0	20.8	35.1	26 600*	26.0	37.1	29 000*	32.3	39.3	31 100*	37.6	40.9	33 500*	45.1	42.8	32 800	51.5	44.0	31 600				26.0
28.0							21.6	35.2	27 400*	28.8	37.8	29 800*	37.8	40.5	29 800	45.1	42.2	28 700	51.3	43.1	27 600	28.0
30.0										15.8	32.7	25 700*	29.1	37.4	27 200	37.9	39.8	26 200	44.9	41.2	25 200	30.0
32.0													16.4	32.4	25 000	29.1	36.7	24 000	37.6	38.9	23 100	32.0
34.0																			28.8	35.7	21 300	34.0
36.0																			16.0	30.6	19 800	36.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.0	74.1	53.1	66 700*b																			11.0
12.0	71.8	52.8	62 900*b																			12.0
14.0	67.3	52.0	56 200*b	69.2	52.3	58 800*b																14.0
16.0	62.7	51.0	50 600*	64.7	51.4	52 800*	67.6	51.8	56 300*b													16.0
18.0	57.8	49.8	45 400*	59.9	50.3	47 700*	63.0	50.9	50 700*													18.0
20.0	52.7	48.4	39 400*	54.9	49.0	41 900*	58.1	49.7	45 800*	61.2	50.2	46 200										20.0
22.0	47.2	46.7	34 600*	49.6	47.4	36 500*	53.0	48.3	39 800*	56.3	49.0	41 700	61.3	49.7	40 200							22.0
24.0	41.1	44.6	30 700*	43.7	45.4	32 300*	47.5	46.6	34 800*	51.0	47.5	37 500	56.4	48.5	36 100							24.0
26.0	34.1	41.9	27 500*	37.2	43.0	28 800*	41.4	44.5	30 900*	45.3	45.6	33 300*	51.2	47.0	32 500	56.4	47.8	31 300				26.0
28.0	25.4	38.3	24 700*	29.4	39.9	26 000*	34.5	41.8	27 700*	39.0	43.3	29 600*	45.5	45.2	29 500	51.2	46.3	28 400				28.0
30.0	11.7	32.0	18 800*	18.8	35.2	22 600*	26.0	38.3	25 000*	31.6	40.4	26 600*	39.2	42.9	27 000	45.5	44.5	25 900				30.0
32.0							12.9	32.4	21 300*	22.1	36.3	24 100*	31.9	40.0	24 800	39.3	42.2	23 800	45.4	43.5	22 900	32.0
34.0													22.5	36.0	22 900	31.9	39.3	22 000	39.1	41.3	21 100	34.0
36.0																22.5	35.3	20 400	31.7	38.4	19 500	36.0
38.0																			22.2	34.3	18 200	38.0



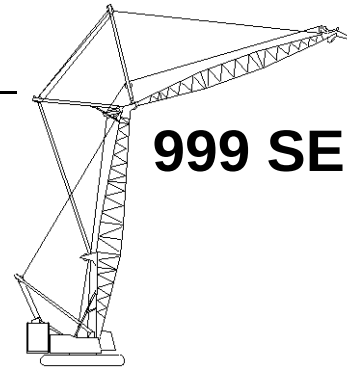
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

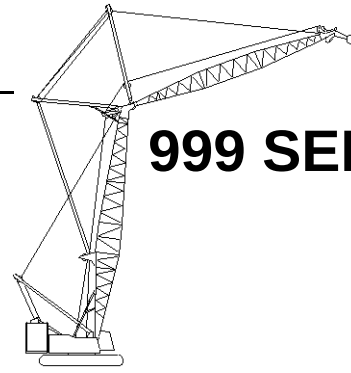


24.4m (80 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.0	75.7	56.3	64 400*b																			11.0
12.0	73.7	56.0	60 800*b																			12.0
14.0	69.7	55.3	54 600*b	71.4	55.5	57 200*b																14.0
16.0	65.6	54.4	49 400*	67.4	54.7	51 500*																16.0
18.0	61.4	53.4	44 800*	63.2	53.8	46 700*	65.9	54.3	49 600*													18.0
20.0	57.0	52.2	39 600*	58.9	52.7	42 100*	61.6	53.2	45 100*	64.3	53.7	45 400										20.0
22.0	52.3	50.7	34 600*	54.3	51.3	36 600*	57.2	52.0	40 000*	60.0	52.6	41 100										22.0
24.0	47.4	49.0	30 700*	49.5	49.7	32 300*	52.6	50.6	34 900*	55.6	51.3	37 300	60.2	52.1	35 900							24.0
26.0	41.9	46.9	27 500*	44.3	47.8	28 800*	47.7	48.9	30 900*	50.8	49.8	33 300*	55.7	50.8	32 400							26.0
28.0	35.8	44.4	24 800*	38.5	45.4	25 900*	42.3	46.8	27 700*	45.7	47.9	29 600*	51.0	49.3	29 400	55.7	50.1	28 200				28.0
30.0	28.6	41.1	22 600*	31.9	42.5	23 500*	36.2	44.3	24 900*	40.1	45.7	26 600*	45.9	47.5	26 800	51.0	48.6	25 700				30.0
32.0	19.0	36.4	19 900*	23.6	38.6	21 400*	29.1	41.1	22 600*	33.7	43.0	24 000*	40.3	45.3	24 600	45.9	46.8	23 600	50.8	47.7	22 700	32.0
34.0							19.7	36.5	20 400*	26.0	39.4	21 900*	34.0	42.6	22 700	40.3	44.6	21 800	45.8	45.9	20 900	34.0
36.0										14.8	33.8	19 400*	26.3	39.0	21 000	34.0	41.9	20 200	40.2	43.6	19 300	36.0
38.0													15.3	33.5	19 600	26.3	38.3	18 700	33.8	40.9	17 900	38.0
40.0																			26.1	37.3	16 700	40.0
42.0																			15.0	31.8	15 600	42.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	75.9	59.3	60 100*b																			11.6
12.0	75.2	59.1	58 900*b																			12.0
14.0	71.6	58.5	53 200*	73.2	58.7	55 600*b																14.0
16.0	68.0	57.8	48 200*	69.5	58.0	50 200*																16.0
18.0	64.2	56.8	43 900*	65.8	57.2	45 700*	68.2	57.6	48 400*													18.0
20.0	60.3	55.8	39 500*	62.0	56.2	41 700*	64.4	56.7	44 200*	66.8	57.0	44 800										20.0
22.0	56.3	54.5	34 500*	58.0	55.0	36 600*	60.6	55.6	40 000*	63.0	56.1	40 500										22.0
24.0	52.0	53.0	30 600*	53.9	53.6	32 200*	56.5	54.4	34 800*	59.1	54.9	36 900										24.0
26.0	47.5	51.3	27 400*	49.5	52.0	28 700*	52.3	52.9	30 900*	55.0	53.6	33 300*	59.2	54.5	32 200							26.0
28.0	42.6	49.2	24 700*	44.7	50.1	25 700*	47.8	51.2	27 600*	50.6	52.1	29 500*	55.1	53.1	29 300							28.0
30.0	37.2	46.8	22 400*	39.6	47.8	23 300*	42.9	49.1	24 800*	46.0	50.2	26 500*	50.8	51.6	26 700	55.1	52.4	25 600				30.0
32.0	31.0	43.8	20 500*	33.8	45.1	21 300*	37.5	46.7	22 500*	41.0	48.1	23 900*	46.2	49.8	24 500	50.8	50.9	23 500				32.0
34.0	23.3	39.8	18 700*	26.9	41.6	19 500*	31.4	43.7	20 600*	35.4	45.5	21 700*	41.2	47.6	22 600	46.2	49.1	21 700	50.7	50.0	20 800	34.0
36.0	11.4	33.1	14 700*	17.5	36.5	17 300*	23.9	39.8	18 900*	28.8	42.2	19 900*	35.6	45.0	20 900	41.2	46.9	20 000	46.1	48.2	19 200	36.0
38.0							12.5	33.5	16 500*	20.4	37.7	18 300*	29.0	41.8	19 400	35.6	44.4	18 600	41.0	46.0	17 800	38.0
40.0													20.7	37.3	18 100	29.1	41.1	17 400	35.4	43.4	16 600	40.0
42.0																20.8	36.7	16 200	28.9	40.1	15 500	42.0
44.0																			20.5	35.6	14 500	44.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.7	61.8	52 100*																			13.7
14.0	73.2	61.7	51 400*																			14.0
16.0	69.9	61.0	46 800*	71.3	61.3	48 800*																16.0
18.0	66.5	60.2	42 800*	68.0	60.5	44 500*																18.0
20.0	63.0	59.2	39 100*	64.5	59.6	40 800*	66.7	60.0	43 100*													20.0
22.0	59.4	58.1	34 300*	61.0	58.6	36 400*	63.2	59.1	39 300*	65.4	59.5	39 700										22.0
24.0	55.7	56.8	30 300*	57.3	57.3	31 900*	59.6	58.0	34 600*	61.9	58.5	36 100										24.0
26.0	51.8	55.3	27 100*	53.5	55.9	28 400*	55.9	56.7	30 600*	58.3	57.3	33 000*	62.0	58.0	31 800							26.0
28.0	47.6	53.6	24 400*	49.4	54.3	25 500*	52.0	55.2	27 300*	54.5	55.9	29 300*	58.4	56.8	28 900							28.0
30.0	43.2	51.6	22 100*	45.1	52.4	23 100*	47.9	53.5	24 600*	50.5	54.4	26 200*	54.6	55.5	26 400							30.0
32.0	38.3	49.2	20 200*	40.4	50.2	21 000*	43.5	51.5	22 200*	46.3	52.5	23 700*	50.6	53.9	24 200	54.6	54.8	23 100				32.0
34.0	32.9	46.3	18 500*	35.3	47.6	19 100*	38.6	49.1	20 300*	41.7	50.4	21 500*	46.4	52.1	22 300	50.7	53.2	21 300				34.0
36.0	26.4	42.7	17 000*	29.3	44.3	17 600*	33.2	46.3	18 500*	36.7	47.9	19 600*	41.9	50.0	20 600	46.4	51.4	19 700	50.5	52.3	18 800	36.0
38.0	17.8	37.7	15 100*	21.9	40.0	16 300*	26.8	42.7	17 100*	31.0	44.9	18 000*	36.9	47.5	19 100	41.9	49.3	18 300	46.3	50.5	17 400	38.0
40.0							18.4	37.8	15 700*	24.0	40.9	16 600*	31.2	44.4	17 800	36.9	46.8	17 000	41.8	48.4	16 200	40.0
42.0										14.1	34.9	15 000*	24.3	40.5	16 600	31.2	43.8	15 900	36.7	45.9	15 100	42.0
44.0													14.5	34.7	15 400*	24.3	39.9	14 900	31.0	42.8	14 100	44.0
46.0																			24.1	38.9	13 300	46.0
48.0																			14.2	32.9	12 500	48.0



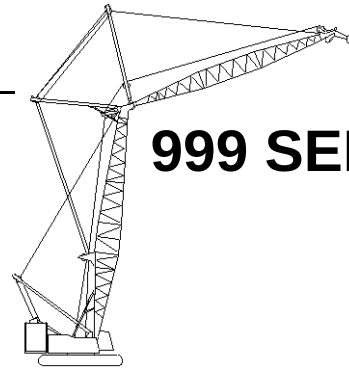
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

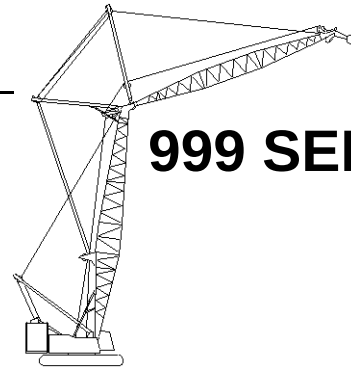
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.0	65.0	50 400*																			13.7
14.0	74.5	64.9	49 800*																			14.0
16.0	71.5	64.3	45 700*	72.8	64.5	47 400*																16.0
18.0	68.4	63.5	41 800*	69.7	63.8	43 400*																18.0
20.0	65.3	62.7	38 400*	66.6	63.0	40 000*	68.6	63.4	42 100*													20.0
22.0	62.0	61.6	34 600*	63.4	62.0	36 500*	65.4	62.5	38 800*													22.0
24.0	58.7	60.5	30 500*	60.1	60.9	32 100*	62.2	61.5	34 900*	64.3	61.9	35 700										24.0
26.0	55.2	59.1	27 200*	56.7	59.7	28 600*	58.9	60.3	30 700*	61.0	60.8	32 700										26.0
28.0	51.6	57.6	24 500*	53.1	58.2	25 600*	55.4	59.0	27 400*	57.6	59.6	29 500*	61.1	60.4	28 800							28.0
30.0	47.7	55.9	22 200*	49.4	56.6	23 100*	51.8	57.5	24 600*	54.1	58.2	26 300*	57.7	59.1	26 300							30.0
32.0	43.7	53.9	20 200*	45.4	54.7	21 000*	48.0	55.8	22 300*	50.4	56.7	23 700*	54.2	57.8	24 100	57.7	58.5	23 100				32.0
34.0	39.2	51.6	18 500*	41.2	52.5	19 100*	43.9	53.8	20 300*	46.5	54.8	21 500*	50.5	56.2	22 200	54.2	57.1	21 300				34.0
36.0	34.3	48.9	17 000*	36.5	50.0	17 600*	39.5	51.5	18 600*	42.3	52.8	19 600*	46.6	54.4	20 500	50.5	55.5	19 600				36.0
38.0	28.7	45.5	15 700*	31.2	47.0	16 200*	34.6	48.8	17 000*	37.8	50.3	17 900*	42.5	52.3	19 100	46.6	53.7	18 200				38.0
40.0	21.8	41.2	14 400*	25.0	43.1	15 000*	29.1	45.5	15 700*	32.7	47.4	16 500*	37.9	49.9	17 800	42.5	51.6	16 900	46.5	52.8	16 100	40.0
42.0	11.2	34.2	11 500*	16.6	37.7	13 400*	22.2	41.2	14 600*	26.7	43.9	15 300*	32.8	47.0	16 500	37.9	49.2	15 800	42.3	50.7	15 000	42.0
44.0							12.1	34.5	12 800*	19.1	39.0	14 200*	26.9	43.5	15 300*	32.9	46.3	14 800	37.8	48.3	14 100	44.0
46.0													19.4	38.7	14 200*	27.0	42.8	13 800	32.7	45.4	13 200	46.0
48.0																19.5	38.0	13 000	26.8	41.8	12 400	48.0
50.0																			19.2	37.0	11 600	50.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	73.9	67.7	45 700*																			15.2
16.0	72.9	67.5	44 200*																			16.0
18.0	70.0	66.8	40 700*	71.2	67.0	42 200*																18.0
20.0	67.1	66.0	37 500*	68.4	66.3	38 900*	70.2	66.6	41 000*													20.0
22.0	64.2	65.1	34 300*	65.4	65.4	35 800*	67.3	65.8	37 800*													22.0
24.0	61.1	64.0	30 300*	62.4	64.4	31 900*	64.4	64.9	34 500*	66.2	65.3	34 900										24.0
26.0	58.0	62.8	26 900*	59.4	63.3	28 300*	61.3	63.9	30 500*	63.2	64.3	32 000										26.0
28.0	54.8	61.5	24 200*	56.2	62.0	25 300*	58.2	62.7	27 100*	60.2	63.2	29 300										28.0
30.0	51.4	59.9	21 900*	52.8	60.5	22 800*	55.0	61.3	24 400*	57.0	62.0	26 100*	60.3	62.7	26 000							30.0
32.0	47.8	58.2	19 900*	49.4	58.9	20 700*	51.6	59.8	22 000*	53.7	60.5	23 500*	57.1	61.5	23 800							32.0
34.0	44.1	56.2	18 200*	45.7	57.0	18 900*	48.0	58.1	20 000*	50.3	59.0	21 200*	53.8	60.1	21 900	57.1	60.8	20 900				34.0
36.0	40.0	54.0	16 700*	41.8	54.9	17 300*	44.3	56.1	18 300*	46.7	57.2	19 300*	50.4	58.5	20 200	53.8	59.4	19 300				36.0
38.0	35.6	51.3	15 300*	37.5	52.4	15 900*	40.2	53.9	16 800*	42.8	55.1	17 700*	46.8	56.7	18 800	50.4	57.8	17 900				38.0
40.0	30.6	48.2	14 200*	32.8	49.5	14 700*	35.8	51.3	15 400*	38.7	52.7	16 200*	42.9	54.6	17 400	46.8	56.0	16 600	50.3	56.9	15 800	40.0
42.0	24.7	44.3	13 200*	27.3	46.0	13 600*	30.9	48.2	14 200*	34.1	50.0	14 900*	38.8	52.3	16 200	43.0	54.0	15 500	46.7	55.1	14 700	42.0
44.0	16.9	38.9	11 800*	20.6	41.4	12 600*	25.1	44.3	13 200*	28.8	46.6	13 800*	34.2	49.5	15 000*	38.8	51.6	14 500	42.9	53.0	13 700	44.0
46.0							17.5	39.0	12 200*	22.5	42.4	12 800*	29.0	46.2	13 900*	34.3	48.9	13 500	38.7	50.7	12 800	46.0
48.0										13.6	36.0	11 700*	22.8	42.0	12 800*	29.1	45.5	12 700	34.1	47.9	12 000	48.0
50.0													14.0	35.8	12 000*	22.8	41.3	11 900	28.9	44.6	11 300	50.0
52.0																			22.6	40.3	10 600	52.0
54.0																			13.7	34.0	10 000	54.0



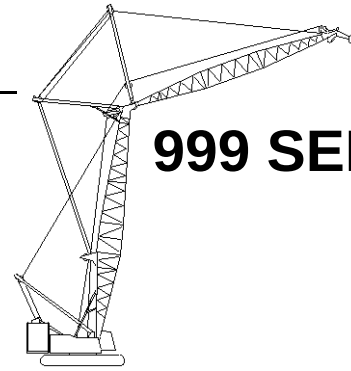
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

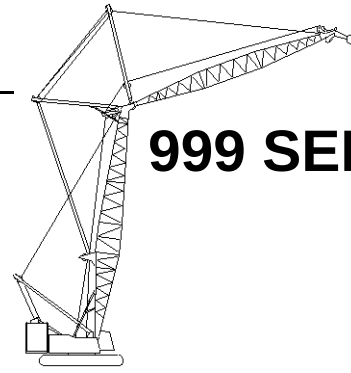
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.0	70.9	41 000*																			15.2
16.0	74.1	70.7	40 900*																			16.0
18.0	71.4	70.0	39 600*																			18.0
20.0	68.7	69.3	36 600*	69.9	69.6	38 000*																20.0
22.0	66.0	68.4	33 800*	67.2	68.8	35 200*	68.9	69.1	37 000*													22.0
24.0	63.2	67.5	30 200*	64.4	67.8	31 900*	66.2	68.3	34 100*													24.0
26.0	60.4	66.4	26 800*	61.6	66.8	28 100*	63.4	67.3	30 400*	65.2	67.7	31 500										26.0
28.0	57.4	65.2	24 100*	58.7	65.6	25 200*	60.5	66.2	27 000*	62.3	66.7	28 900										28.0
30.0	54.4	63.8	21 800*	55.7	64.3	22 700*	57.6	65.0	24 200*	59.5	65.6	26 000*										30.0
32.0	51.2	62.2	19 800*	52.6	62.8	20 600*	54.6	63.6	21 900*	56.5	64.3	23 400*	59.6	65.1	23 700							32.0
34.0	47.9	60.5	18 000*	49.3	61.2	18 700*	51.4	62.1	19 900*	53.4	62.9	21 100*	56.6	63.8	21 700							34.0
36.0	44.4	58.5	16 500*	45.9	59.3	17 100*	48.1	60.4	18 100*	50.2	61.3	19 200*	53.5	62.4	20 100	56.6	63.1	19 200				36.0
38.0	40.7	56.3	15 200*	42.3	57.2	15 800*	44.6	58.4	16 600*	46.8	59.5	17 500*	50.3	60.8	18 600	53.5	61.7	17 700				38.0
40.0	36.6	53.8	14 000*	38.4	54.8	14 500*	40.9	56.2	15 300*	43.3	57.4	16 100*	46.9	59.0	17 300	50.3	60.1	16 500				40.0
42.0	32.1	50.8	13 000*	34.1	52.1	13 400*	36.8	53.7	14 100*	39.4	55.1	14 800*	43.4	57.0	16 100	47.0	58.3	15 300	50.2	59.2	14 600	42.0
44.0	26.9	47.2	12 100*	29.2	48.7	12 400*	32.4	50.8	13 000*	35.2	52.4	13 700*	39.6	54.7	14 900*	43.4	56.3	14 300	46.9	57.4	13 600	44.0
46.0	20.6	42.5	11 200*	23.5	44.6	11 600*	27.3	47.2	12 100*	30.6	49.3	12 700*	35.4	52.0	13 700*	39.6	54.0	13 400	43.3	55.4	12 700	46.0
48.0	11.1	35.3	8 900*	15.8	38.9	10 500*	21.0	42.6	11 300*	25.1	45.4	11 800*	30.7	48.9	12 700*	35.4	51.3	12 500	39.5	53.0	11 900	48.0
50.0							11.9	35.6	10 000*	18.2	40.3	11 000*	25.3	45.0	11 800*	30.8	48.2	11 800	35.3	50.4	11 100	50.0
52.0													18.4	39.9	11 000*	25.3	44.4	11 100	30.6	47.2	10 500	52.0
54.0																18.5	39.3	10 500	25.2	43.4	9 900	54.0
56.0																			18.2	38.2	9 300	56.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	76.0	74.1	36 400*																			15.2
16.0	75.1	73.9	36 300*																			16.0
18.0	72.6	73.3	36 000*																			18.0
20.0	70.1	72.6	35 500*	71.2	72.8	36 800*																20.0
22.0	67.6	71.8	33 000*	68.7	72.1	34 100*																22.0
24.0	65.0	70.9	30 000*	66.1	71.2	31 400*	67.8	71.6	33 300*													24.0
26.0	62.4	69.9	26 600*	63.5	70.2	27 900*	65.2	70.7	30 100*	66.8	71.1	30 900										26.0
28.0	59.7	68.7	23 800*	60.9	69.2	24 900*	62.6	69.7	26 800*	64.2	70.1	28 400										28.0
30.0	56.9	67.5	21 500*	58.1	68.0	22 400*	59.9	68.6	24 000*	61.6	69.1	25 800*										30.0
32.0	54.1	66.1	19 500*	55.3	66.6	20 300*	57.1	67.3	21 600*	58.8	67.9	23 100*	61.7	68.6	23 300							32.0
34.0	51.1	64.5	17 800*	52.4	65.1	18 500*	54.2	65.9	19 600*	56.0	66.6	20 900*	58.9	67.4	21 500							34.0
36.0	48.0	62.8	16 300*	49.3	63.5	16 900*	51.3	64.4	17 900*	53.1	65.2	18 900*	56.1	66.1	19 800							36.0
38.0	44.7	60.9	14 900*	46.1	61.6	15 500*	48.2	62.7	16 400*	50.1	63.6	17 300*	53.2	64.7	18 300							38.0
40.0	41.2	58.7	13 700*	42.7	59.6	14 200*	44.9	60.7	15 000*	47.0	61.8	15 800*	50.2	63.1	17 000	53.3	64.0	16 100				40.0
42.0	37.5	56.2	12 700*	39.1	57.2	13 100*	41.4	58.6	13 800*	43.6	59.7	14 500*	47.1	61.3	15 800	50.2	62.4	15 000				42.0
44.0	33.4	53.3	11 700*	35.2	54.5	12 200*	37.7	56.1	12 700*	40.1	57.5	13 400*	43.7	59.3	14 600*	47.1	60.6	14 000	50.2	61.5	13 200	44.0
46.0	28.8	50.0	10 900*	30.8	51.4	11 300*	33.6	53.3	11 800*	36.2	54.9	12 400*	40.2	57.0	13 400*	43.8	58.6	13 100	47.0	59.7	12 300	46.0
48.0	23.3	45.8	10 200*	25.8	47.6	10 500*	29.1	49.9	10 900*	32.0	51.9	11 500*	36.4	54.5	12 400*	40.2	56.4	12 200	43.7	57.7	11 500	48.0
50.0	16.2	40.1	9 100*	19.5	42.7	9 800*	23.7	45.8	10 200*	27.2	48.3	10 600*	32.1	51.5	11 500*	36.4	53.8	11 500	40.1	55.4	10 800	50.0
52.0							16.7	40.2	9 500*	21.3	43.8	9 900*	27.3	47.9	10 700*	32.2	50.8	10 800	36.3	52.8	10 100	52.0
54.0										13.2	37.1	9 100*	21.6	43.4	9 900*	27.4	47.2	10 100	32.0	49.8	9 500	54.0
56.0													13.6	36.9	9 300*	21.6	42.7	9 600	27.2	46.2	9 000	56.0
58.0																			21.4	41.7	8 500	58.0
60.0																			13.3	35.1	8 000	60.0



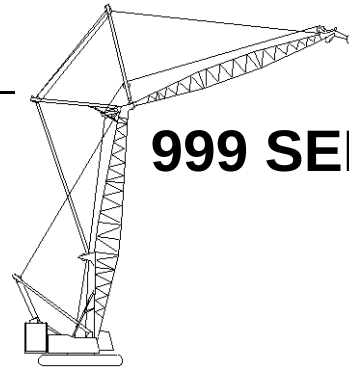
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

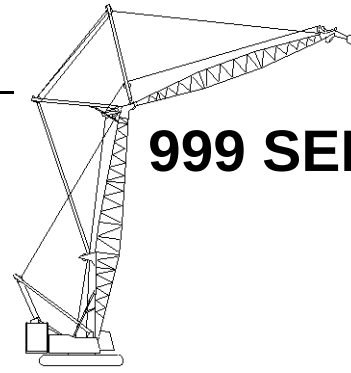
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.1	76.8	32 400*																			16.8
18.0	73.7	76.4	32 200*																			18.0
20.0	71.4	75.8	31 800*	72.3	76.0	35 700*																20.0
22.0	69.0	75.1	31 500*	70.0	75.3	33 300*																22.0
24.0	66.6	74.2	30 000*	67.6	74.5	31 100*	69.1	74.9	32 500*													24.0
26.0	64.2	73.3	26 800*	65.2	73.6	28 200*	66.7	74.1	30 300*													26.0
28.0	61.7	72.3	24 000*	62.7	72.6	25 100*	64.3	73.1	27 000*	65.8	73.5	28 100										28.0
30.0	59.1	71.1	21 600*	60.2	71.5	22 600*	61.8	72.1	24 200*	63.4	72.5	25 800										30.0
32.0	56.5	69.8	19 600*	57.6	70.3	20 500*	59.3	70.9	21 800*	60.9	71.5	23 300*										32.0
34.0	53.8	68.4	17 800*	54.9	68.9	18 600*	56.6	69.7	19 700*	58.3	70.3	21 000*	61.0	71.0	21 400							34.0
36.0	51.0	66.8	16 300*	52.2	67.4	16 900*	53.9	68.3	18 000*	55.6	68.9	19 100*	58.4	69.8	19 800							36.0
38.0	48.0	65.1	15 000*	49.3	65.8	15 500*	51.1	66.7	16 400*	52.9	67.5	17 400*	55.7	68.5	18 300							38.0
40.0	45.0	63.2	13 800*	46.3	63.9	14 300*	48.2	65.0	15 000*	50.1	65.9	15 900*	53.0	67.0	17 000	55.7	67.8	16 100				40.0
42.0	41.7	61.0	12 700*	43.1	61.9	13 100*	45.1	63.1	13 800*	47.1	64.1	14 600*	50.2	65.4	15 800	53.0	66.3	15 000				42.0
44.0	38.2	58.6	11 700*	39.7	59.6	12 100*	41.9	60.9	12 800*	44.0	62.1	13 400*	47.2	63.6	14 600	50.2	64.7	14 000				44.0
46.0	34.5	55.8	10 900*	36.1	57.0	11 200*	38.5	58.5	11 800*	40.7	59.8	12 400*	44.1	61.6	13 400*	47.2	62.9	13 000	50.1	63.8	12 300	46.0
48.0	30.3	52.6	10 100*	32.1	54.0	10 400*	34.7	55.8	10 900*	37.1	57.3	11 400*	40.8	59.4	12 400*	44.1	60.9	12 200	47.1	62.0	11 500	48.0
50.0	25.5	48.8	9 400*	27.6	50.4	9 700*	30.5	52.6	10 100*	33.2	54.4	10 600*	37.2	56.9	11 500*	40.8	58.7	11 400	44.0	60.0	10 800	50.0
52.0	19.6	43.9	8 700*	22.3	46.1	9 000*	25.8	48.8	9 400*	28.9	51.1	9 900*	33.3	54.0	10 600*	37.2	56.2	10 700	40.7	57.8	10 100	52.0
54.0	11.0	36.3	6 900*	15.3	40.0	8 200*	20.0	44.0	8 800*	23.8	46.9	9 200*	29.0	50.7	9 900*	33.4	53.3	10 100	37.1	55.3	9 500	54.0
56.0							11.7	36.7	7 800*	17.4	41.5	8 500*	24.0	46.6	9 200*	29.0	50.0	9 500	33.2	52.4	8 900	56.0
58.0													17.6	41.2	8 500*	24.0	45.9	9 000	28.9	49.0	8 400	58.0
60.0																17.7	40.5	8 400	23.9	44.9	7 900	60.0
62.0																			17.5	39.5	7 400	62.0
64.0																			6.3	29.6	7 000	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

24.4m (80 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.9	80.0	29 000*																			16.8
18.0	74.6	79.6	28 800*																			18.0
20.0	72.4	79.0	28 500*	73.4	79.2	32 400*																20.0
22.0	70.2	78.3	28 100*	71.2	78.6	31 900*																22.0
24.0	68.0	77.5	27 800*	68.9	77.8	30 200*																24.0
26.0	65.7	76.7	26 600*	66.7	77.0	27 900*	68.1	77.4	29 500*													26.0
28.0	63.4	75.7	23 700*	64.4	76.1	24 900*	65.8	76.5	26 800*	67.3	76.8	27 500										28.0
30.0	61.0	74.6	21 400*	62.0	75.0	22 400*	63.5	75.5	23 900*	65.0	75.9	25 400										30.0
32.0	58.6	73.4	19 400*	59.6	73.9	20 200*	61.1	74.5	21 500*	62.6	74.9	23 000										32.0
34.0	56.1	72.1	17 600*	57.2	72.6	18 300*	58.7	73.3	19 500*	60.2	73.8	20 800*										34.0
36.0	53.5	70.7	16 100*	54.6	71.3	16 700*	56.2	72.0	17 700*	57.8	72.6	18 800*	60.3	73.3	19 400							36.0
38.0	50.9	69.1	14 700*	52.0	69.8	15 300*	53.7	70.6	16 200*	55.3	71.3	17 100*	57.9	72.1	18 000							38.0
40.0	48.1	67.4	13 500*	49.3	68.1	14 000*	51.0	69.0	14 800*	52.7	69.8	15 700*	55.4	70.8	16 700							40.0
42.0	45.2	65.5	12 400*	46.4	66.2	12 900*	48.3	67.3	13 600*	50.0	68.2	14 300*	52.8	69.3	15 500	55.4	70.1	14 700				42.0
44.0	42.2	63.4	11 500*	43.5	64.2	11 800*	45.4	65.4	12 500*	47.2	66.4	13 200*	50.1	67.7	14 400	52.8	68.6	13 700				44.0
46.0	38.9	61.0	10 600*	40.3	62.0	10 900*	42.3	63.3	11 500*	44.3	64.4	12 100*	47.3	65.9	13 200*	50.1	67.0	12 700				46.0
48.0	35.4	58.3	9 800*	36.9	59.4	10 100*	39.1	60.9	10 700*	41.2	62.2	11 200*	44.4	63.9	12 100*	47.3	65.2	11 900	50.0	66.1	11 200	48.0
50.0	31.6	55.2	9 100*	33.3	56.5	9 400*	35.6	58.2	9 900*	37.8	59.7	10 300*	41.3	61.7	11 200*	44.4	63.3	11 100	47.2	64.3	10 400	50.0
52.0	27.3	51.6	8 500*	29.2	53.2	8 700*	31.8	55.2	9 100*	34.3	56.9	9 600*	38.0	59.3	10 400*	41.3	61.1	10 400	44.3	62.3	9 800	52.0
54.0	22.2	47.2	7 900*	24.5	49.1	8 100*	27.6	51.6	8 500*	30.3	53.7	8 900*	34.4	56.5	9 600*	38.0	58.6	9 800	41.2	60.1	9 100	54.0
56.0	15.6	41.2	7 000*	18.7	44.0	7 600*	22.5	47.3	7 900*	25.8	49.9	8 200*	30.4	53.3	8 900*	34.4	55.8	9 200	37.9	57.7	8 600	56.0
58.0							16.1	41.4	7 300*	20.4	45.1	7 700*	26.0	49.5	8 300*	30.5	52.6	8 600	34.3	54.9	8 000	58.0
60.0										12.9	38.2	7 000*	20.6	44.8	7 700*	26.0	48.8	8 100	30.3	51.7	7 600	60.0
62.0													13.2	38.0	7 200*	20.6	44.1	7 600	25.8	47.9	7 100	62.0
64.0																13.3	37.4	7 200*	20.4	43.1	6 700	64.0
66.0																			13.0	36.2	6 300	66.0



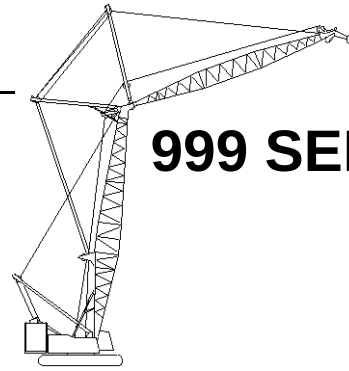
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

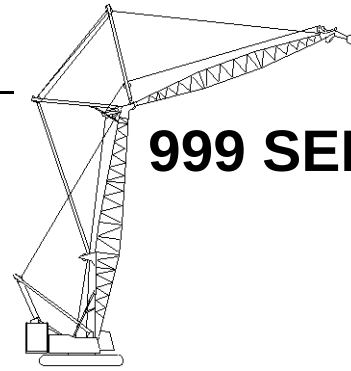
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



24.4m (80 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.1	82.7	25 900*																			18.3
20.0	73.4	82.2	25 600*																			20.0
22.0	71.3	81.6	25 300*	72.2	81.8	28 800*																22.0
24.0	69.2	80.8	25 000*	70.1	81.1	28 500*																24.0
26.0	67.1	80.0	24 600*	68.0	80.3	27 500*	69.3	80.6	27 300*													26.0
28.0	64.9	79.1	23 800*	65.8	79.4	24 800*	67.2	79.8	26 700*													28.0
30.0	62.7	78.1	21 200*	63.6	78.5	22 200*	65.0	78.9	23 800*	66.4	79.3	25 100										30.0
32.0	60.4	77.0	19 200*	61.4	77.4	20 000*	62.8	77.9	21 400*	64.2	78.3	22 900										32.0
34.0	58.1	75.8	17 400*	59.1	76.2	18 200*	60.5	76.8	19 300*	62.0	77.3	20 600*										34.0
36.0	55.7	74.5	15 900*	56.7	75.0	16 500*	58.2	75.6	17 600*	59.7	76.2	18 700*										36.0
38.0	53.3	73.0	14 500*	54.3	73.6	15 100*	55.9	74.3	16 000*	57.4	74.9	16 900*	59.8	75.7	17 800							38.0
40.0	50.8	71.4	13 300*	51.8	72.1	13 800*	53.4	72.9	14 600*	55.0	73.6	15 500*	57.4	74.5	16 500							40.0
42.0	48.1	69.7	12 300*	49.3	70.4	12 700*	50.9	71.3	13 400*	52.5	72.1	14 100*	55.0	73.1	15 300							42.0
44.0	45.4	67.8	11 300*	46.6	68.6	11 700*	48.3	69.6	12 300*	49.9	70.5	13 000*	52.6	71.6	14 200	55.1	72.4	13 500				44.0
46.0	42.5	65.7	10 400*	43.8	66.5	10 800*	45.6	67.7	11 300*	47.3	68.7	12 000*	50.0	70.0	13 000*	52.6	70.9	12 600				46.0
48.0	39.5	63.4	9 600*	40.8	64.3	9 900*	42.7	65.6	10 500*	44.5	66.7	11 000*	47.4	68.2	12 000*	50.0	69.3	11 700				48.0
50.0	36.2	60.8	8 900*	37.7	61.8	9 200*	39.7	63.3	9 700*	41.6	64.5	10 200*	44.6	66.3	11 100*	47.4	67.5	10 900	50.0	68.4	10 300	50.0
52.0	32.7	57.8	8 300*	34.3	59.0	8 600*	36.4	60.7	9 000*	38.5	62.1	9 400*	41.7	64.1	10 200*	44.6	65.6	10 300	47.3	66.6	9 600	52.0
54.0	28.8	54.4	7 700*	30.5	55.8	7 900*	32.9	57.8	8 300*	35.2	59.4	8 700*	38.6	61.7	9 400*	41.7	63.4	9 600	44.5	64.6	9 000	54.0
56.0	24.3	50.3	7 200*	26.3	52.1	7 400*	29.0	54.4	7 700*	31.5	56.3	8 100*	35.3	59.0	8 700*	38.6	61.0	9 000	41.6	62.5	8 400	56.0
58.0	18.8	45.1	6 700*	21.3	47.5	6 900*	24.6	50.3	7 200*	27.5	52.7	7 500*	31.7	55.9	8 100*	35.3	58.3	8 500	38.5	60.1	7 900	58.0
60.0	10.9	37.4	5 200*	14.8	41.2	6 200*	19.2	45.3	6 700*	22.7	48.4	7 000*	27.6	52.3	7 500*	31.7	55.2	8 000	35.2	57.4	7 400	60.0
62.0							11.5	37.8	5 900*	16.8	42.7	6 500*	22.9	48.0	7 000*	27.6	51.7	7 500	31.6	54.3	6 900	62.0
64.0										6.7	32.7	5 700*	17.0	42.4	6 500*	22.9	47.4	7 000*	27.5	50.7	6 500	64.0
66.0																17.0	41.7	6 500*	22.8	46.3	6 100	66.0
68.0																			16.8	40.7	5 800	68.0
70.0																			6.8	30.8	5 500	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

24.4m (80 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.9	85.9	23 100*																			18.3
20.0	74.2	85.4	22 800*																			20.0
22.0	72.3	84.8	22 500*	73.1	85.0	25 600*																22.0
24.0	70.3	84.1	22 200*	71.1	84.3	25 300*																24.0
26.0	68.3	83.3	21 800*	69.1	83.6	25 000*	70.4	83.9	24 300*													26.0
28.0	66.2	82.5	21 500*	67.1	82.8	24 300*	68.4	83.1	24 000*													28.0
30.0	64.1	81.5	20 800*	65.0	81.9	22 000*	66.3	82.3	23 300*													30.0
32.0	62.0	80.5	18 900*	62.9	80.9	19 800*	64.3	81.3	21 100*	65.6	81.7	22 600										32.0
34.0	59.9	79.4	17 200*	60.8	79.8	17 900*	62.2	80.3	19 100*	63.5	80.8	20 300*										34.0
36.0	57.7	78.1	15 600*	58.6	78.6	16 300*	60.0	79.2	17 300*	61.4	79.7	18 400*										36.0
38.0	55.4	76.8	14 300*	56.4	77.3	14 800*	57.8	78.0	15 700*	59.2	78.5	16 700*	61.4	79.2	17 400							38.0
40.0	53.1	75.3	13 100*	54.1	75.9	13 600*	55.5	76.6	14 400*	57.0	77.3	15 200*	59.3	78.1	16 200							40.0
42.0	50.7	73.7	12 000*	51.7	74.4	12 400*	53.2	75.2	13 100*	54.7	75.9	13 900*	57.0	76.8	15 100							42.0
44.0	48.2	72.0	11 000*	49.2	72.7	11 400*	50.8	73.6	12 100*	52.3	74.4	12 700*	54.8	75.4	13 900							44.0
46.0	45.6	70.1	10 100*	46.7	70.9	10 500*	48.3	71.9	11 100*	49.9	72.8	11 700*	52.4	73.9	12 800*	54.8	74.7	12 300				46.0
48.0	42.9	68.0	9 400*	44.0	68.9	9 700*	45.7	70.0	10 200*	47.4	71.0	10 800*	50.0	72.3	11 700*	52.4	73.2	11 400				48.0
50.0	40.0	65.7	8 600*	41.3	66.7	8 900*	43.0	67.9	9 400*	44.8	69.0	9 900*	47.5	70.5	10 800*	50.0	71.6	10 700				50.0
52.0	37.0	63.2	8 000*	38.3	64.2	8 200*	40.2	65.6	8 700*	42.0	66.9	9 100*	44.8	68.6	9 900*	47.5	69.8	10 000	49.9	70.7	9 300	52.0
54.0	33.7	60.3	7 400*	35.1	61.5	7 600*	37.2	63.1	8 000*	39.1	64.5	8 400*	42.1	66.4	9 100*	44.9	67.9	9 300	47.4	68.9	8 700	54.0
56.0	30.1	57.1	6 900*	31.7	58.4	7 100*	33.9	60.3	7 400*	36.0	61.9	7 800*	39.2	64.1	8 400*	42.1	65.7	8 700	44.8	67.0	8 100	56.0
58.0	26.1	53.2	6 400*	27.8	54.9	6 600*	30.3	57.0	6 900*	32.6	58.9	7 200*	36.1	61.4	7 800*	39.2	63.4	8 200	42.0	64.8	7 600	58.0
60.0	21.3	48.6	5 900*	23.4	50.6	6 100*	26.3	53.3	6 300*	28.9	55.5	6 700*	32.7	58.5	7 200*	36.1	60.8	7 700	39.1	62.4	7 100	60.0
62.0	15.2	42.4	5 200*	18.0	45.2	5 700*	21.6	48.7	5 900*	24.7	51.5	6 200*	29.0	55.1	6 700*	32.7	57.8	7 200	36.0	59.8	6 600	62.0
64.0	1.9	28.5	3 000*	10.1	37.0	4 500*	15.6	42.6	5 500*	19.6	46.4	5 800*	24.8	51.1	6 200*	29.0	54.4	6 700	32.6	56.8	6 200	64.0
66.0										12.7	39.3	5 300*	19.8	46.1	5 700*	24.8	50.4	6 200*	28.9	53.4	5 800	66.0
68.0													12.9	39.1	5 400*	19.8	45.4	5 700*	24.7	49.4	5 400	68.0
70.0																13.0	38.5	5 300*	19.6	44.4	5 100	70.0
72.0																			12.7	37.3	4 800	72.0



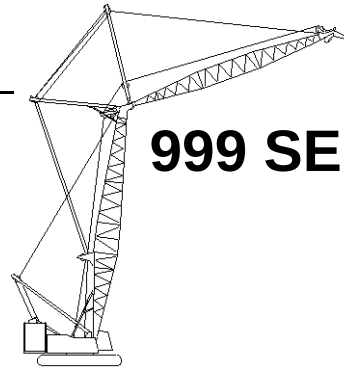
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

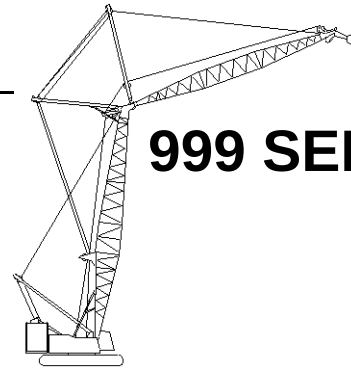
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



24.4m (80 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle				86 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		Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
19.8	75.2	88.6	20 700*																										19.8
20.0	75.0	88.6	20 600*																										20.0
22.0	73.1	88.0	20 300*																										22.0
24.0	71.3	87.3	20 000*		72.1	87.5	22 800*																						24.0
26.0	69.4	86.6	19 700*		70.2	86.8	22 500*																						26.0
28.0	67.4	85.8	19 400*		68.2	86.1	22 200*		69.5	86.4	21 600*																		28.0
30.0	65.5	84.9	19 100*		66.3	85.2	21 800*		67.5	85.6	21 400*																		30.0
32.0	63.5	83.9	18 800*		64.3	84.3	20 100*		65.6	84.7	21 100*		66.8	85.1	22 500														32.0
34.0	61.4	82.9	17 500*		62.3	83.3	18 200*		63.6	83.8	19 400*		64.8	84.1	20 800*														34.0
36.0	59.4	81.7	15 800*		60.3	82.1	16 500*		61.6	82.7	17 500*		62.8	83.2	18 700*														36.0
38.0	57.3	80.5	14 400*		58.2	80.9	15 000*		59.5	81.6	15 900*		60.8	82.1	16 900*														38.0
40.0	55.1	79.1	13 200*		56.0	79.6	13 700*		57.4	80.3	14 500*		58.7	80.9	15 400*		60.9	81.6	16 100										40.0
42.0	52.9	77.6	12 100*		53.8	78.2	12 600*		55.2	79.0	13 300*		56.6	79.6	14 100*		58.8	80.4	15 100										42.0
44.0	50.6	76.0	11 200*		51.6	76.7	11 600*		53.0	77.5	12 200*		54.4	78.2	12 900*		56.7	79.1	14 100										44.0
46.0	48.2	74.3	10 300*		49.2	75.0	10 600*		50.7	75.9	11 200*		52.2	76.7	11 800*		54.5	77.7	12 900*		56.7	78.4	12 300						46.0
48.0	45.8	72.4	9 400*		46.8	73.2	9 800*		48.4	74.2	10 300*		49.9	75.1	10 900*		52.2	76.2	11 800*		54.5	77.0	11 400						48.0
50.0	43.2	70.3	8 700*		44.3	71.2	9 000*		45.9	72.3	9 500*		47.5	73.3	10 000*		49.9	74.6	10 900*		52.3	75.5	10 700						50.0
52.0	40.5	68.1	8 000*		41.6	69.0	8 300*		43.3	70.2	8 700*		45.0	71.3	9 200*		47.5	72.8	10 000*		49.9	73.9	10 000		52.2	74.6	9 300		52.0
54.0	37.6	65.6	7 400*		38.9	66.6	7 700*		40.6	68.0	8 100*		42.4	69.2	8 500*		45.0	70.9	9 200*		47.6	72.1	9 300		49.9	73.0	8 700		54.0
56.0	34.6	62.8	6 900*		35.9	64.0	7 100*		37.8	65.5	7 500*		39.6	66.9	7 800*		42.4	68.8	8 500*		45.1	70.2	8 700		47.5	71.2	8 100		56.0
58.0	31.2	59.7	6 300*		32.7	61.0	6 500*		34.7	62.8	6 900*		36.7	64.3	7 200*		39.7	66.4	7 900*		42.5	68.1	8 200		45.0	69.3	7 500		58.0
60.0	27.5	56.1	5 800*		29.2	57.6	6 000*		31.4	59.6	6 300*		33.5	61.4	6 700*		36.8	63.9	7 200*		39.7	65.8	7 700		42.4	67.1	7 100		60.0
62.0	23.3	51.8	5 400*		25.2	53.6	5 600*		27.8	56.1	5 900*		30.1	58.2	6 200*		33.6	61.0	6 700*		36.8	63.2	7 200		39.6	64.8	6 600		62.0
64.0	18.2	46.4	5 000*		20.5	48.8	5 200*		23.6	51.8	5 400*		26.3	54.4	5 700*		30.2	57.7	6 200*		33.7	60.3	6 700		36.7	62.2	6 200		64.0
66.0	10.8	38.5	3 700*		14.4	42.3	4 700*		18.5	46.5	5 000*		21.8	49.8	5 300*		26.4	54.0	5 700*		30.2	57.1	6 200*		33.6	59.4	5 800		66.0
68.0									11.4	38.9	4 400*		16.2	43.9	4 900*		22.0	49.5	5 200*		26.4	53.3	5 700*		30.1	56.1	5 400		68.0
70.0													7.1	33.9	4 200*		16.4	43.6	4 900*		22.0	48.8	5 200*		26.3	52.3	5 000		70.0
72.0																					16.5	42.9	4 900*		21.9	47.8	4 700		72.0
74.0																									16.3	41.9	4 500		74.0
76.0																									7.2	32.0	4 200		76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

24.4m (80 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.9	91.8	18 700*																			19.8
20.0	75.7	91.7	18 700*																			20.0
22.0	73.9	91.2	18 400*																			22.0
24.0	72.1	90.5	18 100*	72.9	90.7	20 600*																24.0
26.0	70.3	89.8	17 800*	71.1	90.1	20 300*																26.0
28.0	68.5	89.1	17 500*	69.3	89.3	20 000*	70.4	89.7	19 400*													28.0
30.0	66.6	88.2	17 200*	67.4	88.5	19 700*	68.6	88.9	19 200*													30.0
32.0	64.8	87.3	16 900*	65.6	87.7	19 400*	66.8	88.1	19 000*	67.9	88.4	20 300*										32.0
34.0	62.9	86.3	16 600*	63.7	86.7	18 000*	64.9	87.1	18 600*	66.1	87.5	19 900*										34.0
36.0	60.9	85.2	15 700*	61.7	85.6	16 300*	63.0	86.2	17 400*	64.2	86.6	18 500*										36.0
38.0	58.9	84.1	14 200*	59.8	84.5	14 800*	61.0	85.1	15 700*	62.3	85.5	16 700*										38.0
40.0	56.9	82.8	13 000*	57.8	83.3	13 500*	59.1	83.9	14 300*	60.3	84.4	15 200*	62.3	85.1	15 700							40.0
42.0	54.8	81.4	11 900*	55.7	81.9	12 300*	57.0	82.6	13 000*	58.3	83.2	13 800*	60.4	83.9	14 600							42.0
44.0	52.7	79.9	10 900*	53.6	80.5	11 300*	55.0	81.3	11 900*	56.3	81.9	12 600*	58.4	82.7	13 700							44.0
46.0	50.5	78.3	10 000*	51.5	79.0	10 300*	52.8	79.8	10 900*	54.2	80.5	11 600*	56.3	81.5	12 700*							46.0
48.0	48.3	76.6	9 200*	49.2	77.3	9 500*	50.6	78.2	10 000*	52.0	79.0	10 600*	54.2	80.0	11 600*	56.3	80.8	11 200				48.0
50.0	45.9	74.7	8 400*	46.9	75.5	8 700*	48.4	76.5	9 200*	49.8	77.4	9 700*	52.1	78.5	10 700*	54.3	79.4	10 400				50.0
52.0	43.5	72.7	7 700*	44.5	73.5	8 100*	46.0	74.6	8 500*	47.5	75.6	9 000*	49.9	76.9	9 800*	52.1	77.8	9 700				52.0
54.0	40.9	70.4	7 100*	42.0	71.3	7 400*	43.6	72.6	7 800*	45.2	73.6	8 200*	47.6	75.1	9 000*	49.9	76.2	9 000	52.0	76.9	8 400	54.0
56.0	38.2	68.0	6 600*	39.4	69.0	6 800*	41.1	70.3	7 200*	42.7	71.5	7 600*	45.2	73.2	8 200*	47.6	74.4	8 400	49.8	75.3	7 800	56.0
58.0	35.3	65.3	6 100*	36.6	66.4	6 300*	38.4	67.9	6 600*	40.1	69.2	7 000*	42.8	71.1	7 600*	45.2	72.5	7 900	47.6	73.5	7 300	58.0
60.0	32.2	62.2	5 600*	33.6	63.5	5 800*	35.5	65.2	6 100*	37.3	66.7	6 400*	40.2	68.8	7 000*	42.8	70.4	7 400	45.2	71.6	6 800	60.0
62.0	28.8	58.8	5 100*	30.3	60.3	5 300*	32.4	62.2	5 600*	34.4	63.9	5 900*	37.4	66.3	6 400*	40.2	68.1	6 900	42.7	69.5	6 300	62.0
64.0	25.0	54.8	4 700*	26.7	56.5	4 900*	29.0	58.8	5 100*	31.2	60.8	5 400*	34.5	63.5	5 900*	37.4	65.6	6 400	40.1	67.2	5 900	64.0
66.0	20.5	50.0	4 400*	22.5	52.1	4 500*	25.2	54.8	4 700*	27.7	57.2	5 000*	31.3	60.4	5 400*	34.5	62.8	5 900*	37.3	64.7	5 500	66.0
68.0	14.8	43.5	3 700*	17.4	46.5	4 100*	20.8	50.1	4 400*	23.7	53.0	4 600*	27.8	56.8	5 000*	31.3	59.7	5 400*	34.4	61.9	5 100	68.0
70.0	3.7	30.8	1 900*	10.1	38.1	3 200*	15.2	43.8	4 000*	18.9	47.7	4 200*	23.8	52.6	4 600*	27.8	56.1	5 000*	31.2	58.7	4 800	70.0
72.0										12.4	40.4	3 800*	19.1	47.4	4 200*	23.8	51.9	4 600*	27.7	55.1	4 400	72.0
74.0													12.7	40.2	3 900*	19.1	46.7	4 200*	23.7	50.9	4 100	74.0
76.0																12.7	39.6	3 800*	19.0	45.7	3 800	76.0
78.0																			12.5	38.4	3 600	78.0



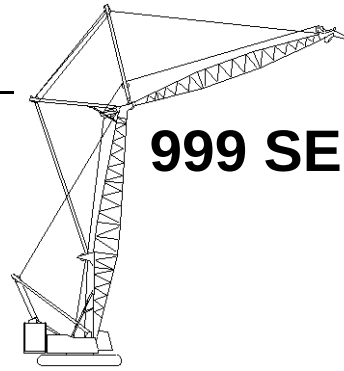
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

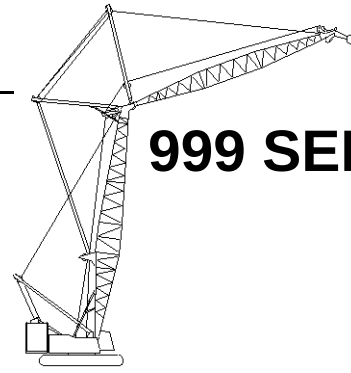
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



24.4m (80 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.2	94.5	17 400*																			21.3
22.0	74.6	94.3	17 300*																			22.0
24.0	72.9	93.7	17 000*																			24.0
26.0	71.2	93.1	16 800*	72.0	93.3	16 800*																26.0
28.0	69.5	92.3	16 500*	70.2	92.6	19 000*																28.0
30.0	67.7	91.6	16 200*	68.5	91.8	18 800*	69.6	92.2	18 500*													30.0
32.0	65.9	90.7	16 000*	66.7	91.0	18 500*	67.8	91.4	18 300*													32.0
34.0	64.1	89.7	15 800*	64.9	90.1	17 800*	66.0	90.5	18 000*	67.2	90.8	19 400*										34.0
36.0	62.3	88.7	15 300*	63.1	89.1	16 000*	64.2	89.6	17 200*	65.4	89.9	18 400*										36.0
38.0	60.4	87.6	14 000*	61.2	88.0	14 600*	62.4	88.5	15 500*	63.6	89.0	16 500*										38.0
40.0	58.5	86.4	12 700*	59.3	86.9	13 300*	60.5	87.4	14 100*	61.7	87.9	15 000*										40.0
42.0	56.6	85.1	11 600*	57.4	85.6	12 100*	58.6	86.3	12 900*	59.8	86.8	13 600*	61.8	87.4	14 300							42.0
44.0	54.6	83.7	10 700*	55.4	84.3	11 100*	56.7	85.0	11 700*	57.9	85.6	12 400*	59.9	86.3	13 400							44.0
46.0	52.6	82.2	9 800*	53.4	82.8	10 200*	54.7	83.6	10 700*	56.0	84.3	11 400*	58.0	85.1	12 500							46.0
48.0	50.5	80.6	9 000*	51.4	81.3	9 300*	52.7	82.1	9 800*	54.0	82.8	10 400*	56.0	83.8	11 400*							48.0
50.0	48.3	78.9	8 200*	49.2	79.6	8 500*	50.6	80.5	9 000*	51.9	81.3	9 500*	54.0	82.4	10 400*	56.0	83.1	10 200				50.0
52.0	46.0	77.0	7 600*	47.0	77.8	7 800*	48.4	78.8	8 300*	49.8	79.7	8 700*	52.0	80.8	9 600*	54.0	81.7	9 500				52.0
54.0	43.7	75.0	6 900*	44.7	75.8	7 200*	46.2	76.9	7 600*	47.6	77.9	8 000*	49.9	79.2	8 800*	52.0	80.1	8 900				54.0
56.0	41.3	72.8	6 400*	42.3	73.7	6 600*	43.9	74.9	7 000*	45.3	76.0	7 400*	47.7	77.4	8 000*	49.9	78.5	8 200				56.0
58.0	38.7	70.4	5 800*	39.8	71.4	6 100*	41.4	72.7	6 400*	43.0	73.9	6 700*	45.4	75.5	7 400*	47.7	76.7	7 700	49.8	77.6	7 100	58.0
60.0	36.0	67.7	5 300*	37.2	68.8	5 600*	38.9	70.3	5 900*	40.5	71.6	6 200*	43.0	73.4	6 800*	45.4	74.8	7 200	47.6	75.8	6 600	60.0
62.0	33.1	64.8	4 900*	34.4	66.0	5 100*	36.2	67.7	5 400*	37.9	69.1	5 700*	40.6	71.2	6 200*	43.1	72.7	6 700	45.3	73.9	6 100	62.0
64.0	29.9	61.5	4 500*	31.3	62.9	4 700*	33.3	64.7	4 900*	35.1	66.4	5 200*	38.0	68.7	5 700*	40.6	70.5	6 200	43.0	71.8	5 700	64.0
66.0	26.5	57.7	4 100*	28.0	59.3	4 300*	30.1	61.5	4 500*	32.1	63.3	4 700*	35.2	66.0	5 200*	38.0	68.0	5 700*	40.5	69.5	5 300	66.0
68.0	22.5	53.2	3 800*	24.2	55.2	3 900*	26.7	57.7	4 100*	28.9	59.9	4 400*	32.2	62.9	4 800*	35.2	65.3	5 200*	37.9	67.1	4 900	68.0
70.0	17.6	47.7	3 500*	19.8	50.1	3 600*	22.7	53.3	3 800*	25.3	55.9	4 000*	29.0	59.5	4 400*	32.3	62.3	4 800*	35.1	64.3	4 600	70.0
72.0				14.1	43.4	3 100*	17.9	47.8	3 400*	21.1	51.2	3 700*	25.4	55.6	4 000*	29.0	58.8	4 400*	32.2	61.3	4 200	72.0
74.0							11.3	39.9	2 900*	15.8	45.1	3 300*	21.2	50.8	3 600*	25.4	54.9	4 000*	28.9	57.9	4 000	74.0
76.0										7.4	35.1	2 800*	16.0	44.8	3 300*	21.2	50.2	3 600*	25.3	53.9	3 700	76.0
78.0																16.0	44.1	3 300*	21.1	49.2	3 400	78.0
80.0																			15.8	43.1	3 100	80.0
82.0																			7.5	33.1	2 900	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

24.4m (80 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.8	97.7	15 800*																			21.3
22.0	75.3	97.5	15 700*																			22.0
24.0	73.7	96.9	15 400*																			24.0
26.0	72.0	96.3	15 200*	72.7	96.5	17 400*																26.0
28.0	70.4	95.6	14 900*	71.1	95.8	17 200*																28.0
30.0	68.7	94.8	14 700*	69.4	95.1	16 900*																30.0
32.0	67.0	94.0	14 500*	67.7	94.3	16 700*	68.8	94.7	16 500*													32.0
34.0	65.3	93.1	14 200*	66.0	93.4	16 400*	67.1	93.8	16 300*													34.0
36.0	63.5	92.1	14 000*	64.3	92.5	15 800*	65.4	92.9	16 100*	66.5	93.3	17 400*										36.0
38.0	61.8	91.1	13 700*	62.5	91.5	14 300*	63.6	92.0	15 300*	64.7	92.4	16 300*										38.0
40.0	60.0	90.0	12 500*	60.7	90.4	13 000*	61.9	90.9	13 800*	63.0	91.4	14 700*										40.0
42.0	58.1	88.8	11 400*	58.9	89.2	11 900*	60.1	89.8	12 600*	61.2	90.3	13 400*										42.0
44.0	56.3	87.5	10 400*	57.1	88.0	10 800*	58.3	88.6	11 500*	59.4	89.1	12 200*	61.3	89.8	13 000							44.0
46.0	54.4	86.1	9 500*	55.2	86.6	9 900*	56.4	87.3	10 500*	57.6	87.9	11 100*	59.5	88.7	12 100							46.0
48.0	52.4	84.6	8 700*	53.2	85.1	9 000*	54.5	85.9	9 600*	55.7	86.6	10 200*	57.6	87.4	11 200*							48.0
50.0	50.4	82.9	8 000*	51.3	83.6	8 300*	52.5	84.4	8 800*	53.8	85.1	9 300*	55.7	86.1	10 200*							50.0
52.0	48.3	81.2	7 300*	49.2	81.9	7 600*	50.5	82.8	8 000*	51.8	83.6	8 500*	53.8	84.7	9 300*	55.8	85.4	9 200				52.0
54.0	46.2	79.3	6 700*	47.1	80.1	6 900*	48.4	81.1	7 400*	49.7	82.0	7 800*	51.8	83.1	8 500*	53.8	84.0	8 600				54.0
56.0	43.9	77.3	6 100*	44.9	78.1	6 300*	46.3	79.2	6 700*	47.7	80.2	7 100*	49.8	81.5	7 800*	51.9	82.5	8 000				56.0
58.0	41.6	75.1	5 600*	42.6	76.0	5 800*	44.1	77.2	6 100*	45.5	78.3	6 500*	47.7	79.7	7 100*	49.8	80.8	7 400	51.8	81.5	6 800	58.0
60.0	39.2	72.8	5 100*	40.2	73.7	5 300*	41.8	75.0	5 600*	43.2	76.2	5 900*	45.6	77.8	6 500*	47.7	79.0	6 900	49.8	79.9	6 300	60.0
62.0	36.6	70.2	4 600*	37.7	71.2	4 800*	39.3	72.7	5 100*	40.9	74.0	5 400*	43.3	75.7	6 000*	45.6	77.1	6 400	47.7	78.1	5 900	62.0
64.0	33.9	67.3	4 200*	35.1	68.5	4 400*	36.8	70.1	4 700*	38.4	71.5	4 900*	41.0	73.5	5 400*	43.3	75.1	5 900	45.5	76.2	5 400	64.0
66.0	30.9	64.1	3 800*	32.2	65.4	4 000*	34.1	67.2	4 300*	35.8	68.8	4 500*	38.5	71.1	5 000*	41.0	72.8	5 500*	43.3	74.1	5 000	66.0
68.0	27.7	60.5	3 500*	29.1	62.0	3 600*	31.1	64.1	3 800*	33.0	65.9	4 100*	35.9	68.4	4 500*	38.5	70.4	4 900*	40.9	71.9	4 600	68.0
70.0	24.1	56.3	3 100*	25.7	58.1	3 300*	27.9	60.5	3 500*	30.0	62.6	3 700*	33.1	65.5	4 100*	35.9	67.7	4 500*	38.4	69.5	4 300	70.0
72.0	19.8	51.3	2 800*	21.7	53.5	3 000*	24.3	56.4	3 200*	26.6	58.8	3 300*	30.1	62.2	3 700*	33.1	64.8	4 100*	35.8	66.8	4 000	72.0
74.0	14.4	44.7	2 300*	16.9	47.7	2 700*	20.1	51.4	2 800*	22.8	54.4	3 000*	26.7	58.4	3 300*	30.1	61.5	3 700*	33.0	63.8	3 700	74.0
76.0							14.8	44.9	2 600*	18.3	49.0	2 700*	23.0	54.1	3 000*	26.8	57.8	3 300*	30.0	60.5	3 400	76.0
78.0										12.3	41.5	2 400*	18.5	48.7	2 700*	23.0	53.4	3 000*	26.7	56.8	3 100	78.0
80.0													12.5	41.3	2 400*	18.5	48.0	2 700*	22.9	52.4	2 900	80.0
82.0																12.5	40.7	2 400*	18.4	47.0	2 600	82.0
84.0																			12.3	39.5	2 400	84.0



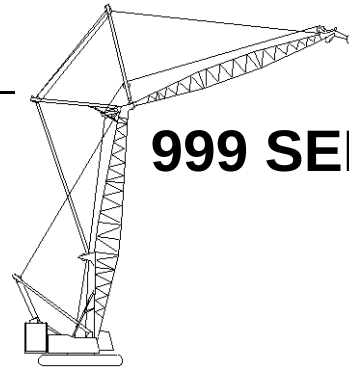
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

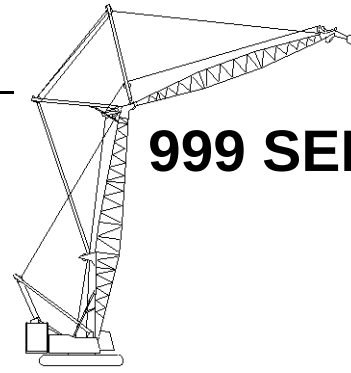


27.4m (90 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	67.8	49.5	70 300*b																			11.6
12.0	66.6	49.3	68 500*b																			12.0
14.0	60.5	48.3	60 600*b	63.5	48.7	64 000*b																14.0
16.0	54.1	46.9	54 300*	57.2	47.5	57 000*b	61.7	48.2	60 800b													16.0
18.0	47.0	45.2	49 100*	50.5	46.0	51 400*	55.4	47.0	53 700	59.9	47.6	52 500b										18.0
20.0	39.0	43.0	43 000*	43.0	44.1	45 900*	48.4	45.3	48 200	53.4	46.3	47 000	60.9	47.3	45 100b							20.0
22.0	29.1	39.9	37 600*	34.1	41.5	40 200*	40.6	43.2	43 100	46.3	44.5	42 200	54.5	45.9	40 500							22.0
24.0	13.6	34.5	28 100*	22.4	37.6	34 500*	31.2	40.3	38 500	38.1	42.2	37 600	47.5	44.3	36 200							24.0
26.0										27.9	39.0	33 900	39.5	42.1	32 600	48.4	43.7	31 200				26.0
28.0													29.8	39.1	29 600	40.6	41.6	28 400	49.1	42.9	27 200	28.0
30.0													15.0	33.9	27 100	31.2	38.8	25 900	41.4	40.9	24 800	30.0
32.0																17.7	34.1	23 800	32.2	38.1	22 800	32.0
34.0																		19.4	33.8	21 000		34.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	70.7	52.8	68 300*b																			11.6
12.0	69.7	52.6	66 600*b																			12.0
14.0	64.6	51.7	59 100*b	67.0	52.1	62 400*b																14.0
16.0	59.2	50.6	53 100*	61.8	51.1	55 800*b	65.5	51.7	59 500b													16.0
18.0	53.5	49.2	48 000*	56.2	49.9	50 300*	60.2	50.6	52 600	64.0	51.1	51 300										18.0
20.0	47.3	47.5	42 700*	50.3	48.3	45 700*	54.6	49.3	47 200	58.6	50.0	45 900										20.0
22.0	40.4	45.4	37 500*	43.8	46.4	39 800*	48.5	47.6	42 600	52.9	48.6	41 500	59.5	49.6	39 800							22.0
24.0	32.2	42.6	33 400*	36.3	43.9	35 200*	41.8	45.6	38 300	46.6	46.8	37 400	53.8	48.3	35 800							24.0
26.0	21.5	38.4	29 100*	27.1	40.6	31 500*	33.9	42.9	34 100*	39.6	44.6	33 700	47.7	46.6	32 300	54.6	47.7	30 900				26.0
28.0							23.9	39.1	30 500*	31.3	41.7	30 600	40.8	44.4	29 300	48.5	46.0	28 000				28.0
30.0										20.1	37.4	28 000	32.8	41.7	26 800	41.8	44.0	25 600	49.1	45.2	24 500	30.0
32.0													22.3	37.7	24 600	33.9	41.3	23 500	42.4	43.2	22 400	32.0
34.0																23.9	37.6	21 700	34.7	40.6	20 700	34.0
36.0																			25.0	37.0	19 100	36.0
38.0																			6.8	29.5	17 800	38.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	73.0	56.0	66 400*b																			11.6
12.0	72.0	55.9	64 800*b																			12.0
14.0	67.6	55.1	57 800*b	69.7	55.4	61 000*b																14.0
16.0	62.9	54.1	52 000*	65.2	54.5	54 700*b	68.4	55.0	58 400b													16.0
18.0	58.1	53.0	47 200*	60.4	53.5	49 400*	63.8	54.1	51 600													18.0
20.0	53.0	51.5	42 500*	55.5	52.2	44 900*	59.0	52.9	46 300	62.4	53.5	45 100										20.0
22.0	47.5	49.8	37 300*	50.2	50.6	39 600*	54.0	51.6	41 900	57.6	52.3	40 800										22.0
24.0	41.4	47.7	33 100*	44.4	48.7	35 000*	48.6	49.9	38 000	52.4	50.9	37 000	58.4	52.0	35 500							24.0
26.0	34.5	45.1	29 800*	37.9	46.4	31 300*	42.6	47.9	33 800*	46.9	49.1	33 500	53.3	50.6	32 000							26.0
28.0	26.0	41.5	26 800*	30.3	43.3	28 200*	35.9	45.4	30 300*	40.8	47.0	30 400	47.8	48.9	29 000	54.0	50.0	27 800				28.0
30.0	12.8	35.6	21 000*	20.2	38.9	25 100*	27.8	42.1	27 400*	33.7	44.3	27 800	41.8	46.8	26 500	48.6	48.3	25 300	49.1	47.5	22 200	30.0
32.0							16.2	36.9	24 500*	25.0	40.6	25 500	34.9	44.2	24 400	42.6	46.3	23 200	43.2	45.6	20 400	32.0
34.0													26.6	40.7	22 500	35.9	43.8	21 500	36.6	43.1	18 900	34.0
36.0													14.0	35.1	20 800	27.8	40.5	19 800	28.7	39.9	17 600	36.0
38.0																16.2	35.3	18 500	17.6	35.0	16 300	38.0
40.0																						40.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	74.7	59.2	64 000*b																			11.6
12.0	73.9	59.1	62 700*b																			12.0
14.0	69.9	58.4	56 200*b	71.8	58.6	59 300*b																14.0
16.0	65.8	57.5	50 700*	67.8	57.9	53 300*																16.0
18.0	61.6	56.5	46 100*	63.7	56.9	48 300*	66.6	57.5	50 800													18.0
20.0	57.2	55.3	42 100*	59.3	55.8	44 100*	62.4	56.5	45 500	65.4	56.9	44 400										20.0
22.0	52.6	53.8	37 300*	54.8	54.5	39 800*	58.1	55.3	41 200	61.2	55.9	40 100										22.0
24.0	47.6	52.1	33 100*	50.0	52.9	35 000*	53.5	53.9	37 600	56.8	54.7	36 500										24.0
26.0	42.2	50.1	29 700*	44.9	51.0	31 200*	48.6	52.2	33 800*	52.1	53.2	33 300	57.5	54.3	31 900							26.0
28.0	36.2	47.6	26 800*	39.2	48.7	28 100*	43.3	50.2	30 200*	47.1	51.4	30 200	52.9	52.9	28 900							28.0
30.0	29.1	44.3	24 400*	32.6	45.9	25 500*	37.4	47.8	27 300*	41.6	49.3	27 600	47.9	51.2	26 300	53.5	52.3	25 200				30.0
32.0	19.7	39.8	21 800*	24.6	42.1	23 400*	30.5	44.8	24 800*	35.5	46.8	25 400	42.6	49.1	24 200	48.6	50.6	23 000	49.1	49.8	20 200	32.0
34.0							21.8	40.6	22 700*	28.2	43.5	23 400	36.6	46.6	22 300	43.3	48.6	21 200	43.8	47.9	18 700	34.0
36.0										18.5	38.7	21 700	29.5	43.5	20 700	37.4	46.2	19 700	38.0	45.5	17 300	36.0
38.0													20.4	39.0	19 200	30.5	43.2	18 200	22.7	38.5	15 100	38.0
40.0																21.8	39.0	17 000	7.6	30.7	14 100	40.0
42.0																						42.0
44.0																						44.0



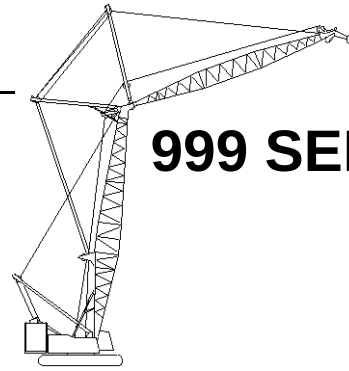
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

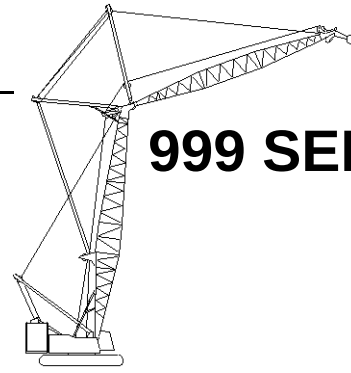
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.1	62.2	59 800*																			12.2
14.0	71.8	61.6	54 700*																			14.0
16.0	68.2	60.9	49 500*	69.9	61.2	52 100*																16.0
18.0	64.4	59.9	45 100*	66.2	60.3	47 300*																18.0
20.0	60.5	58.9	41 300*	62.4	59.3	43 200*	65.1	59.9	44 800													20.0
22.0	56.5	57.6	37 300*	58.5	58.2	39 400*	61.3	58.8	40 500	64.0	59.4	39 500										22.0
24.0	52.3	56.1	32 900*	54.3	56.8	34 900*	57.3	57.6	37 000	60.1	58.3	36 000										24.0
26.0	47.8	54.4	29 500*	49.9	55.2	31 100*	53.1	56.2	33 700*	56.1	57.0	33 000	60.8	57.9	31 500							26.0
28.0	42.9	52.4	26 700*	45.3	53.3	28 000*	48.6	54.5	30 100*	51.8	55.5	30 100	56.7	56.6	28 800							28.0
30.0	37.5	50.0	24 300*	40.2	51.1	25 300*	43.8	52.6	27 100*	47.3	53.7	27 500	52.5	55.2	26 300							30.0
32.0	31.4	47.0	22 200*	34.4	48.4	23 100*	38.6	50.2	24 700*	42.4	51.7	25 300	48.0	53.5	24 100	53.1	54.6	22 900				32.0
34.0	23.8	43.1	20 300*	27.7	45.0	21 300*	32.6	47.4	22 500*	36.9	49.2	23 300	43.2	51.5	22 200	48.6	52.9	21 100				34.0
36.0	12.4	36.7	16 400*	18.7	40.2	19 200*	25.4	43.7	20 700*	30.7	46.1	21 600	37.9	49.1	20 500	43.9	51.0	19 500	49.1	52.1	18 600	36.0
38.0							15.2	38.1	18 800*	22.9	42.1	20 100	31.8	46.1	19 100	38.6	48.6	18 100	44.3	50.2	17 200	38.0
40.0													24.3	42.3	17 800	32.6	45.8	16 900	39.1	47.9	16 000	40.0
42.0													13.3	36.2	16 700	25.4	42.1	15 800	33.2	45.1	14 900	42.0
44.0																15.3	36.5	14 800	26.2	41.5	14 000	44.0
46.0																			16.5	36.2	13 100	46.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.9	64.9	53 500*																		13.7	
14.0	73.4	64.8	52 800*																		14.0	
16.0	70.1	64.1	48 200*	71.7	64.4	50 600*															16.0	
18.0	66.7	63.3	44 000*	68.3	63.6	46 100*															18.0	
20.0	63.2	62.4	40 400*	64.9	62.8	42 200*	67.3	63.2	43 900												20.0	
22.0	59.6	61.2	36 900*	61.4	61.7	38 700*	63.9	62.3	39 700	66.3	62.7	38 700									22.0	
24.0	55.9	59.9	32 700*	57.7	60.5	34 700*	60.3	61.2	36 200	62.9	61.7	35 200									24.0	
26.0	52.0	58.5	29 200*	53.9	59.1	30 800*	56.6	60.0	33 200	59.3	60.6	32 300									26.0	
28.0	47.9	56.7	26 400*	49.9	57.5	27 600*	52.8	58.5	29 900*	55.5	59.3	29 700	59.8	60.2	28 300						28.0	
30.0	43.4	54.7	23 900*	45.6	55.7	25 000*	48.7	56.8	26 900*	51.6	57.8	27 200	56.1	59.0	25 900						30.0	
32.0	38.6	52.4	21 900*	41.0	53.5	22 800*	44.3	54.9	24 400*	47.4	56.0	24 900	52.2	57.5	23 700	56.6	58.4	22 600			32.0	
34.0	33.2	49.6	20 100*	35.8	50.9	20 900*	39.6	52.6	22 200*	43.0	54.0	23 000	48.1	55.8	21 800	52.8	56.9	20 800			34.0	
36.0	26.8	46.0	18 600*	30.0	47.7	19 200*	34.3	49.9	20 400*	38.1	51.6	21 300	43.7	53.8	20 200	48.7	55.2	19 200			36.0	
38.0	18.4	41.0	16 700*	22.8	43.6	17 800*	28.1	46.5	18 800*	32.6	48.7	19 800	38.9	51.5	18 800	44.3	53.3	17 800	49.1	54.4	38.0	
40.0							20.2	41.9	17 400*	26.0	45.1	18 300*	33.5	48.7	17 500	39.6	51.0	16 600	44.7	52.5	40.0	
42.0										17.3	39.9	17 000*	27.2	45.2	16 300	34.3	48.3	15 400	40.0	50.3	42.0	
44.0													19.0	40.3	15 300		28.1	44.9	34.8	47.6	44.0	
46.0																	20.3	40.3	28.7	44.3	46.0	
48.0																			21.1	39.9	48.0	
50.0																			8.2	31.9	50.0	



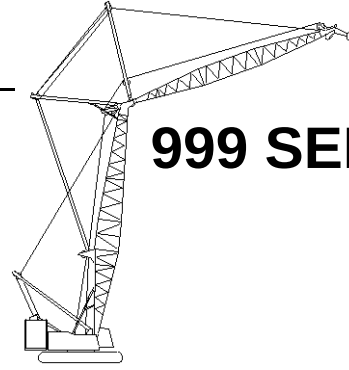
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

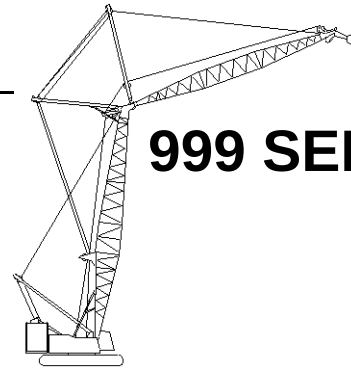
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.1	68.1	49 300*																			13.7
14.0	74.7	68.0	49 100*																			14.0
16.0	71.7	67.4	47 300*																			16.0
18.0	68.6	66.6	43 000*	70.1	66.9	45 100*																18.0
20.0	65.4	65.7	39 600*	66.9	66.1	41 400*	69.2	66.5	43 300													20.0
22.0	62.2	64.7	36 500*	63.8	65.2	38 200*	66.0	65.7	39 200													22.0
24.0	58.9	63.6	32 900*	60.5	64.1	34 700*	62.8	64.7	35 800	65.1	65.2	34 800										24.0
26.0	55.4	62.3	29 300*	57.1	62.8	30 900*	59.5	63.6	32 800	61.9	64.1	31 900										26.0
28.0	51.8	60.8	26 400*	53.5	61.4	27 700*	56.1	62.3	30 000*	58.5	63.0	29 400										28.0
30.0	47.9	59.0	24 000*	49.8	59.8	25 100*	52.5	60.8	26 900*	55.0	61.6	27 200	59.1	62.6	25 800							30.0
32.0	43.9	57.1	21 900*	45.9	58.0	22 800*	48.7	59.1	24 400*	51.4	60.1	24 900	55.6	61.3	23 700							32.0
34.0	39.5	54.8	20 000*	41.6	55.8	20 900*	44.7	57.2	22 200*	47.5	58.4	23 000	52.0	59.8	21 800	56.1	60.7	20 700				34.0
36.0	34.6	52.1	18 500*	37.0	53.3	19 200*	40.4	55.0	20 300*	43.4	56.3	21 200	48.2	58.1	20 200	52.5	59.2	19 100				36.0
38.0	29.0	48.8	17 100*	31.8	50.4	17 700*	35.6	52.4	18 700*	39.0	54.0	19 700	44.1	56.1	18 700	48.7	57.5	17 700				38.0
40.0	22.2	44.5	15 800*	25.7	46.6	16 400*	30.2	49.2	17 300*	34.1	51.3	18 300*	39.8	53.8	17 400	44.7	55.6	16 500	49.1	56.7	15 600	40.0
42.0	12.0	37.8	13 000*	17.6	41.4	15 000*	23.7	45.2	16 100*	28.4	47.9	16 900*	34.9	51.2	16 200	40.4	53.4	15 400	45.1	54.8	14 500	42.0
44.0							14.5	39.2	14 700*	21.4	43.5	15 700*	29.4	47.9	15 200	35.6	50.8	14 300	40.8	52.6	13 500	44.0
46.0													22.7	43.7	14 300	30.2	47.6	13 400	36.1	50.1	12 700	46.0
48.0													12.9	37.3	13 400	23.7	43.6	12 600	30.7	47.0	11 900	48.0
50.0																14.6	37.6	11 900	24.4	43.0	11 200	50.0
52.0																			15.7	37.4	10 500	52.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.1	70.8	43 700*																			15.2
16.0	73.0	70.6	43 400*																			16.0
18.0	70.2	69.9	41 800*	71.5	70.2	43 800*																18.0
20.0	67.3	69.1	38 600*	68.7	69.4	40 300*	70.7	69.8	42 500													20.0
22.0	64.3	68.2	35 700*	65.8	68.6	37 300*	67.9	69.0	38 400													22.0
24.0	61.3	67.1	32 600*	62.8	67.6	34 300*	64.9	68.1	35 100													24.0
26.0	58.2	65.9	29 100*	59.7	66.4	30 600*	61.9	67.1	32 200	64.0	67.6	31 200										26.0
28.0	54.9	64.6	26 100*	56.5	65.2	27 500*	58.8	65.9	29 500	61.0	66.5	28 800										28.0
30.0	51.6	63.1	23 700*	53.2	63.7	24 800*	55.6	64.6	26 700*	57.9	65.3	26 600										30.0
32.0	48.0	61.3	21 500*	49.7	62.1	22 500*	52.2	63.1	24 100*	54.6	63.9	24 600	58.4	64.9	23 400							32.0
34.0	44.3	59.4	19 700*	46.1	60.3	20 600*	48.7	61.4	21 900*	51.2	62.4	22 600	55.1	63.6	21 500							34.0
36.0	40.2	57.1	18 100*	42.2	58.2	18 900*	45.0	59.5	20 000*	47.7	60.7	20 900	51.8	62.1	19 800	55.6	63.0	18 800				36.0
38.0	35.8	54.5	16 800*	38.0	55.8	17 400*	41.0	57.3	18 400*	43.9	58.7	19 400	48.2	60.4	18 400	52.2	61.5	17 400				38.0
40.0	30.9	51.4	15 500*	33.3	52.9	16 100*	36.7	54.8	17 000*	39.8	56.4	18 000*	44.5	58.4	17 100	48.7	59.8	16 100				40.0
42.0	25.0	47.6	14 500*	28.0	49.5	14 900*	31.9	51.8	15 700*	35.3	53.7	16 600*	40.5	56.2	15 900	45.0	57.9	15 000	49.1	59.0	14 100	42.0
44.0	17.4	42.3	13 100*	21.4	45.0	13 900*	26.2	48.1	14 600*	30.3	50.6	15 300*	36.1	53.6	14 900	41.0	55.7	14 000	45.4	57.1	13 200	44.0
46.0							19.1	43.2	13 600*	24.4	46.6	14 300*	31.2	50.6	13 900	36.7	53.2	13 100	41.4	55.0	12 300	46.0
48.0										16.4	41.1	13 400*	25.4	46.8	13 100	31.9	50.2	12 300	37.1	52.5	11 500	48.0
50.0													18.0	41.6	12 300	26.2	46.5	11 500	32.3	49.6	10 800	50.0
52.0																19.1	41.6	10 900	26.8	46.0	10 100	52.0
54.0																			19.9	41.2	9 600	54.0
56.0																			8.5	33.0	9 100	56.0



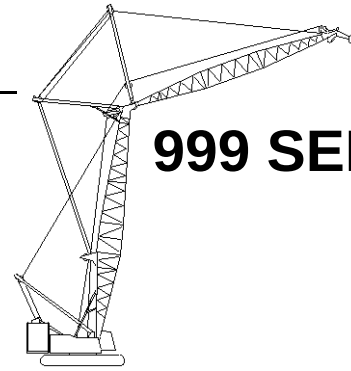
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

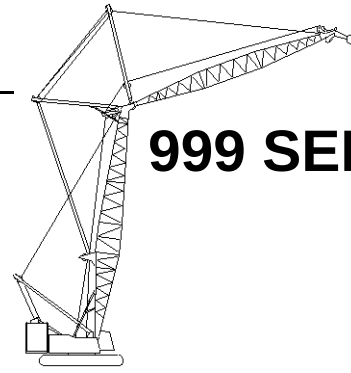
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.2	74.0	39 300*																			15.2
16.0	74.2	73.8	39 100*																			16.0
18.0	71.6	73.1	38 500*																			18.0
20.0	68.9	72.4	37 700*	70.2	72.7	39 400*																20.0
22.0	66.2	71.5	34 900*	67.5	71.9	36 400*	69.4	72.3	37 900													22.0
24.0	63.4	70.6	32 300*	64.7	71.0	33 800*	66.7	71.5	34 500													24.0
26.0	60.5	69.5	28 900*	61.9	69.9	30 500*	63.9	70.5	31 700	65.9	71.0	30 700										26.0
28.0	57.6	68.3	26 000*	59.0	68.8	27 300*	61.1	69.5	29 100	63.1	70.0	28 300										28.0
30.0	54.6	66.9	23 500*	56.0	67.5	24 700*	58.2	68.3	26 600*	60.2	68.9	26 200										30.0
32.0	51.4	65.4	21 400*	52.9	66.0	22 400*	55.1	66.9	23 900*	57.3	67.6	24 400	60.7	68.5	23 100							32.0
34.0	48.1	63.6	19 600*	49.7	64.4	20 400*	52.0	65.4	21 800*	54.2	66.3	22 500	57.8	67.3	21 400							34.0
36.0	44.6	61.7	18 000*	46.3	62.6	18 700*	48.7	63.7	19 900*	51.1	64.7	20 800	54.7	65.9	19 700							36.0
38.0	40.9	59.5	16 600*	42.7	60.5	17 200*	45.3	61.8	18 300*	47.7	63.0	19 300	51.6	64.4	18 300	55.1	65.3	17 300				38.0
40.0	36.8	57.0	15 300*	38.8	58.1	15 900*	41.6	59.7	16 800*	44.2	61.0	17 800*	48.3	62.7	17 000	52.0	63.8	16 000				40.0
42.0	32.4	54.0	14 200*	34.6	55.4	14 700*	37.6	57.2	15 500*	40.5	58.8	16 400*	44.8	60.7	15 800	48.7	62.1	14 900				42.0
44.0	27.2	50.4	13 300*	29.8	52.2	13 700*	33.2	54.4	14 400*	36.4	56.2	15 200*	41.1	58.6	14 700	45.3	60.2	13 900	49.1	61.3	13 000	44.0
46.0	21.0	45.9	12 400*	24.2	48.2	12 800*	28.3	50.9	13 400*	31.9	53.2	14 100*	37.1	56.1	13 800	41.6	58.1	13 000	45.6	59.5	12 200	46.0
48.0	11.8	38.8	10 200*	16.8	42.7	11 800*	22.3	46.6	12 600*	26.7	49.5	13 100*	32.6	53.1	12 900	37.6	55.6	12 100	42.0	57.3	11 400	48.0
50.0							14.0	40.3	11 600*	20.2	44.8	12 300*	27.6	49.6	12 200	33.3	52.8	11 400	38.0	54.9	10 700	50.0
52.0													21.4	45.1	11 500	28.3	49.3	10 700	33.7	52.1	10 000	52.0
54.0													12.5	38.4	10 800	22.3	45.0	10 100	28.8	48.7	9 400	54.0
56.0																14.0	38.7	9 500	22.9	44.5	8 800	56.0
58.0																			15.0	38.5	8 400	58.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	76.7	34 700*																			16.8
18.0	72.8	76.3	34 600*																			18.0
20.0	70.3	75.6	34 100*	71.5	75.9	38 200*																20.0
22.0	67.7	74.9	33 500*	69.0	75.2	35 400*																22.0
24.0	65.2	74.0	31 800*	66.4	74.3	33 000*	68.2	74.8	33 800													24.0
26.0	62.5	73.0	28 700*	63.8	73.4	30 200*	65.7	73.9	31 000	67.5	74.3	30 100										26.0
28.0	59.9	71.8	25 700*	61.1	72.3	27 000*	63.1	72.9	28 600	64.9	73.4	27 700										28.0
30.0	57.1	70.6	23 300*	58.4	71.1	24 400*	60.4	71.8	26 200	62.3	72.4	25 600										30.0
32.0	54.2	69.2	21 100*	55.6	69.8	22 100*	57.6	70.6	23 700*	59.6	71.2	23 800	62.7	72.0	22 500							32.0
34.0	51.2	67.7	19 300*	52.7	68.3	20 100*	54.8	69.2	21 500*	56.8	70.0	22 100	60.0	70.8	20 900							34.0
36.0	48.1	65.9	17 700*	49.6	66.7	18 400*	51.8	67.7	19 600*	53.9	68.6	20 500	57.2	69.6	19 400							36.0
38.0	44.9	64.0	16 300*	46.5	64.9	16 900*	48.7	66.0	17 900*	50.9	67.0	19 000	54.4	68.2	17 900							38.0
40.0	41.4	61.8	15 000*	43.1	62.8	15 600*	45.5	64.1	16 500*	47.8	65.3	17 500*	51.4	66.7	16 600	54.8	67.6	15 700				40.0
42.0	37.7	59.4	13 900*	39.5	60.5	14 400*	42.1	62.0	15 200*	44.5	63.3	16 100*	48.3	65.0	15 500	51.8	66.1	14 500				42.0
44.0	33.6	56.5	12 900*	35.6	57.9	13 400*	38.4	59.6	14 100*	41.0	61.1	14 900*	45.1	63.1	14 400	48.8	64.4	13 600				44.0
46.0	29.0	53.2	12 100*	31.3	54.8	12 400*	34.4	56.9	13 100*	37.3	58.6	13 800*	41.6	60.9	13 500	45.5	62.5	12 600	49.0	63.6	11 800	46.0
48.0	23.6	49.1	11 300*	26.3	51.1	11 600*	29.9	53.6	12 200*	33.2	55.7	12 800*	37.9	58.5	12 600	42.1	60.4	11 800	45.8	61.8	11 000	48.0
50.0	16.7	43.5	10 200*	20.3	46.3	10 900*	24.8	49.7	11 400*	28.5	52.3	11 900*	33.9	55.7	11 900	38.4	58.0	11 100	42.4	59.7	10 300	50.0
52.0							18.2	44.5	10 700*	23.0	48.1	11 100*	29.3	52.3	11 100	34.4	55.3	10 400	38.8	57.3	9 600	52.0
54.0										15.8	42.3	10 500*	24.0	48.3	10 500	30.0	52.0	9 800	34.8	54.6	9 100	54.0
56.0													17.2	42.8	9 900	24.8	48.1	9 200	30.4	51.4	8 500	56.0
58.0																18.2	42.9	8 700	25.3	47.5	8 000	58.0
60.0																			18.9	42.5	7 600	60.0
62.0																			8.7	34.1	7 200	62.0



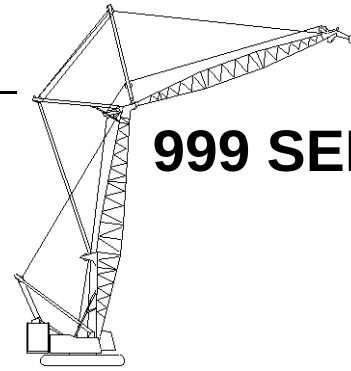
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

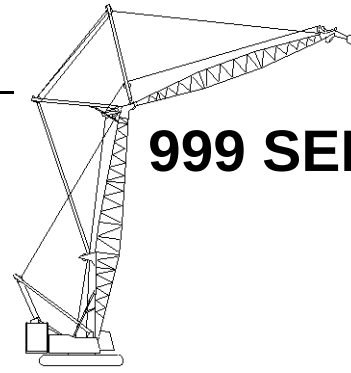
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.2	79.9	31 200*																			16.8
18.0	73.8	79.5	31 100*																			18.0
20.0	71.5	78.9	30 800*	72.6	79.1	35 100*																20.0
22.0	69.1	78.2	30 400*	70.3	78.4	34 500*																22.0
24.0	66.7	77.3	30 000*	67.9	77.7	32 300*	69.6	78.0	33 000													24.0
26.0	64.3	76.4	28 900*	65.5	76.8	30 100*	67.2	77.2	30 700													26.0
28.0	61.8	75.4	25 900*	63.0	75.8	27 300*	64.8	76.3	28 300	66.5	76.7	27 400										28.0
30.0	59.2	74.2	23 400*	60.5	74.7	24 500*	62.3	75.3	26 200	64.0	75.8	25 400										30.0
32.0	56.6	72.9	21 300*	57.9	73.5	22 200*	59.7	74.2	23 900	61.5	74.7	23 500										32.0
34.0	53.9	71.5	19 400*	55.2	72.1	20 200*	57.1	72.9	21 600*	59.0	73.6	21 900	61.9	74.3	20 700							34.0
36.0	51.1	70.0	17 800*	52.5	70.7	18 500*	54.4	71.6	19 700*	56.4	72.3	20 500	59.4	73.2	19 300							36.0
38.0	48.2	68.2	16 300*	49.6	69.0	17 000*	51.7	70.0	18 000*	53.6	70.9	19 000	56.8	71.9	17 900							38.0
40.0	45.1	66.3	15 100*	46.6	67.2	15 600*	48.8	68.3	16 600*	50.8	69.3	17 600	54.1	70.5	16 600	57.1	71.3	15 700				40.0
42.0	41.9	64.2	14 000*	43.5	65.2	14 500*	45.7	66.5	15 300*	47.9	67.6	16 200*	51.3	69.0	15 500	54.4	70.0	14 500				42.0
44.0	38.4	61.8	12 900*	40.1	62.9	13 400*	42.5	64.4	14 100*	44.8	65.6	14 900*	48.4	67.3	14 400	51.7	68.4	13 500				44.0
46.0	34.7	59.0	12 000*	36.5	60.3	12 400*	39.1	62.0	13 100*	41.6	63.5	13 800*	45.3	65.4	13 500	48.8	66.7	12 600	51.9	67.6	11 800	46.0
48.0	30.5	55.9	11 200*	32.6	57.4	11 600*	35.4	59.3	12 200*	38.1	61.0	12 800*	42.1	63.2	12 600	45.7	64.9	11 800	49.0	65.9	11 000	48.0
50.0	25.8	52.1	10 500*	28.1	53.9	10 800*	31.4	56.3	11 300*	34.3	58.2	11 900*	38.6	60.9	11 800	42.5	62.8	11 000	46.0	64.1	10 300	50.0
52.0	20.0	47.2	9 800*	22.9	49.6	10 100*	26.7	52.6	10 500*	30.1	55.0	11 100*	34.9	58.1	11 100	39.1	60.4	10 300	42.8	62.0	9 600	52.0
54.0	11.6	39.9	8 100*	16.2	43.8	9 300*	21.2	48.0	9 900*	25.2	51.1	10 300*	30.8	55.0	10 400	35.4	57.7	9 700	39.5	59.7	9 000	54.0
56.0							13.6	41.4	9 100*	19.3	46.1	9 700*	26.1	51.2	9 800	31.4	54.7	9 100	35.8	57.0	8 400	56.0
58.0													20.4	46.5	9 300	26.7	51.0	8 600	31.8	54.0	8 000	58.0
60.0													12.3	39.4	8 800	21.2	46.4	8 100	27.2	50.4	7 400	60.0
62.0																13.6	39.9	7 700	21.8	45.9	7 000	62.0
64.0																			14.5	39.7	6 600	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

27.4m (90 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.4	82.6	27 800*																			18.3
20.0	72.5	82.1	27 600*	73.6	82.3	31 400*																20.0
22.0	70.3	81.4	27 300*	71.4	81.7	31 200*																22.0
24.0	68.1	80.6	27 000*	69.2	80.9	30 900*																24.0
26.0	65.8	79.8	26 700*	66.9	80.1	29 300*	68.5	80.5	29 700													26.0
28.0	63.5	78.8	25 900*	64.6	79.2	27 100*	66.3	79.7	27 800													28.0
30.0	61.1	77.7	23 100*	62.3	78.2	24 300*	63.9	78.7	25 600	65.6	79.2	24 800										30.0
32.0	58.7	76.6	21 000*	59.9	77.1	22 000*	61.6	77.7	23 600	63.3	78.2	23 000										32.0
34.0	56.2	75.3	19 100*	57.4	75.8	20 000*	59.2	76.5	21 400*	60.9	77.1	21 400										34.0
36.0	53.7	73.8	17 500*	54.9	74.5	18 200*	56.7	75.3	19 400*	58.5	75.9	19 900	61.3	76.7	18 800							36.0
38.0	51.0	72.3	16 000*	52.3	73.0	16 700*	54.1	73.9	17 800*	56.0	74.6	18 700	58.9	75.6	17 600							38.0
40.0	48.2	70.5	14 800*	49.6	71.3	15 400*	51.5	72.3	16 300*	53.4	73.2	17 300	56.4	74.3	16 300							40.0
42.0	45.4	68.6	13 600*	46.8	69.5	14 200*	48.8	70.6	15 000*	50.7	71.6	15 900*	53.8	72.9	15 200	56.7	73.7	14 200				42.0
44.0	42.3	66.5	12 600*	43.8	67.5	13 100*	45.9	68.8	13 800*	48.0	69.9	14 600*	51.2	71.3	14 100	54.2	72.3	13 200				44.0
46.0	39.1	64.2	11 700*	40.7	65.2	12 100*	42.9	66.7	12 800*	45.1	67.9	13 500*	48.4	69.6	13 200	51.5	70.7	12 300				46.0
48.0	35.6	61.5	10 900*	37.3	62.7	11 300*	39.7	64.4	11 900*	42.0	65.8	12 500*	45.5	67.7	12 300	48.8	69.0	11 500	51.8	69.9	10 700	48.0
50.0	31.8	58.5	10 100*	33.7	59.9	10 500*	36.3	61.8	11 000*	38.7	63.4	11 600*	42.5	65.6	11 500	45.9	67.2	10 700	49.0	68.2	9 900	50.0
52.0	27.5	54.9	9 500*	29.6	56.6	9 800*	32.6	58.8	10 300*	35.2	60.7	10 800*	39.3	63.2	10 800	42.9	65.1	10 100	46.2	66.4	9 300	52.0
54.0	22.5	50.5	8 900*	25.0	52.7	9 100*	28.4	55.4	9 600*	31.4	57.6	10 000*	35.8	60.6	10 100	39.7	62.8	9 400	43.2	64.3	8 700	54.0
56.0	16.1	44.7	8 000*	19.4	47.7	8 600*	23.5	51.2	9 000*	27.1	54.0	9 400*	32.0	57.6	9 500	36.3	60.2	8 800	40.0	62.0	8 100	56.0
58.0							17.5	45.7	8 400*	21.9	49.5	8 800*	27.8	54.0	9 000	32.6	57.2	8 300	36.6	59.5	7 600	58.0
60.0										15.2	43.4	8 200*	22.8	49.7	8 500	28.4	53.8	7 800	32.9	56.6	7 100	60.0
62.0													16.5	44.0	8 000	23.6	49.6	7 300	28.8	53.2	6 700	62.0
64.0													4.7	32.9	7 600	17.5	44.1	6 900	24.1	49.1	6 300	64.0
66.0																			18.1	43.8	5 900	66.0
68.0																			8.9	35.2	5 600	68.0



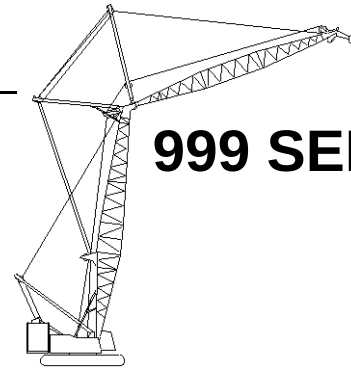
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

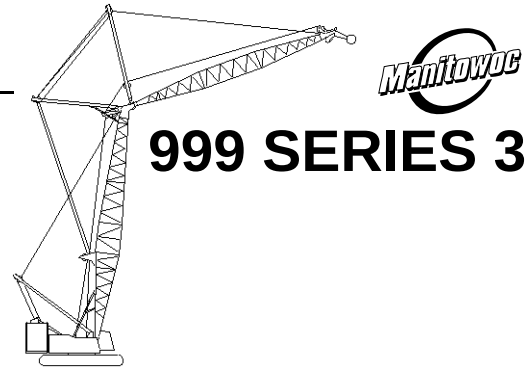
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



27.4m (90 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.3	85.8	25 100*																			18.3
20.0	73.5	85.3	24 900*																			20.0
22.0	71.4	84.6	24 600*	72.4	84.9	28 000*																22.0
24.0	69.3	83.9	24 300*	70.3	84.2	27 700*																24.0
26.0	67.2	83.1	24 000*	68.2	83.4	27 500*	69.7	83.8	26 600*													26.0
28.0	65.0	82.2	23 700*	66.0	82.6	26 800*	67.6	83.0	26 500													28.0
30.0	62.8	81.2	22 900*	63.8	81.6	24 200*	65.4	82.1	25 400													30.0
32.0	60.5	80.1	20 800*	61.6	80.6	21 800*	63.2	81.1	23 400	64.8	81.6	22 600										32.0
34.0	58.2	78.9	18 900*	59.3	79.4	19 800*	61.0	80.1	21 200*	62.6	80.6	21 000										34.0
36.0	55.9	77.6	17 300*	57.0	78.2	18 100*	58.7	78.9	19 300*	60.3	79.5	19 600										36.0
38.0	53.4	76.1	15 900*	54.6	76.8	16 500*	56.3	77.6	17 600*	58.0	78.3	18 300	60.7	79.1	17 200							38.0
40.0	50.9	74.6	14 600*	52.1	75.3	15 200*	53.9	76.2	16 100*	55.6	76.9	17 100	58.4	77.9	16 100							40.0
42.0	48.3	72.8	13 500*	49.5	73.6	14 000*	51.4	74.6	14 800*	53.2	75.5	15 700*	56.0	76.6	15 000							42.0
44.0	45.6	70.9	12 400*	46.9	71.8	12 900*	48.8	72.9	13 700*	50.6	73.9	14 500*	53.6	75.2	14 000	56.3	76.0	13 100				44.0
46.0	42.7	68.9	11 500*	44.1	69.8	11 900*	46.1	71.1	12 600*	48.0	72.2	13 400*	51.0	73.6	13 000	53.9	74.6	12 200				46.0
48.0	39.7	66.5	10 700*	41.1	67.6	11 100*	43.2	69.0	11 700*	45.3	70.2	12 300*	48.4	71.9	12 100	51.4	73.0	11 300				48.0
50.0	36.4	63.9	9 900*	38.0	65.1	10 300*	40.3	66.7	10 800*	42.4	68.1	11 400*	45.7	70.0	11 400	48.8	71.3	10 600				50.0
52.0	32.9	61.0	9 300*	34.6	62.4	9 500*	37.1	64.2	10 000*	39.3	65.8	10 600*	42.9	67.9	10 600	46.1	69.5	9 900	49.0	70.5	9 100	52.0
54.0	29.0	57.6	8 600*	30.9	59.2	8 900*	33.6	61.4	9 300*	36.1	63.2	9 800*	39.8	65.6	10 000	43.3	67.4	9 200	46.3	68.7	8 500	54.0
56.0	24.6	53.6	8 100*	26.8	55.5	8 300*	29.8	58.1	8 700*	32.5	60.2	9 100*	36.6	63.0	9 400	40.3	65.2	8 700	43.5	66.7	8 000	56.0
58.0	19.2	48.5	7 600*	21.9	51.0	7 800*	25.5	54.2	8 100*	28.6	56.8	8 500*	33.1	60.1	8 800	37.1	62.6	8 100	40.5	64.4	7 500	58.0
60.0	11.5	41.0	6 100*	15.6	45.0	7 200*	20.3	49.3	7 700*	24.1	52.6	8 000*	29.3	56.8	8 300	33.6	59.8	7 600	37.4	61.9	7 000	60.0
62.0							13.3	42.6	7 000*	18.5	47.4	7 500*	24.9	52.8	7 800	29.8	56.5	7 200	33.9	59.1	6 500	62.0
64.0										10.4	39.4	7 000*	19.5	47.8	7 400	25.5	52.6	6 800	30.2	55.8	6 100	64.0
66.0													12.1	40.5	7 000	20.3	47.8	6 300	25.9	52.0	5 800	66.0
68.0																13.3	41.0	6 000	20.8	47.3	5 400	68.0
70.0																			14.1	40.8	5 100	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

27.4m (90 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	76.0	88.9	22 500*																			18.3
20.0	74.3	88.5	22 200*																			20.0
22.0	72.4	87.9	21 900*	73.3	88.1	25 000*																22.0
24.0	70.4	87.2	21 600*	71.3	87.4	24 700*																24.0
26.0	68.4	86.4	21 300*	69.3	86.7	24 400*	70.8	87.1	23 700*													26.0
28.0	66.3	85.6	21 100*	67.3	85.9	24 100*	68.8	86.3	23 500*													28.0
30.0	64.3	84.6	20 800*	65.3	85.0	23 600*	66.7	85.5	23 300*													30.0
32.0	62.1	83.6	20 500*	63.2	84.0	21 500*	64.7	84.6	22 900	66.1	85.0	22 100										32.0
34.0	60.0	82.5	18 700*	61.0	82.9	19 500*	62.5	83.5	21 000*	64.0	84.0	20 500										34.0
36.0	57.8	81.2	17 000*	58.8	81.8	17 800*	60.4	82.4	19 000*	61.9	83.0	19 100										36.0
38.0	55.5	79.9	15 600*	56.6	80.5	16 300*	58.2	81.2	17 400*	59.8	81.8	17 800										38.0
40.0	53.2	78.5	14 300*	54.3	79.1	14 900*	56.0	79.9	15 900*	57.6	80.6	16 700	60.1	81.5	15 600							40.0
42.0	50.8	76.9	13 200*	52.0	77.6	13 700*	53.6	78.5	14 600*	55.3	79.3	15 500*	57.9	80.2	14 600							42.0
44.0	48.3	75.1	12 200*	49.5	75.9	12 600*	51.3	76.9	13 400*	53.0	77.8	14 200*	55.7	78.9	13 700							44.0
46.0	45.7	73.3	11 300*	47.0	74.1	11 700*	48.8	75.2	12 300*	50.6	76.2	13 100*	53.3	77.5	12 700	56.0	78.3	11 900				46.0
48.0	43.0	71.2	10 400*	44.3	72.1	10 800*	46.2	73.4	11 400*	48.1	74.5	12 100*	50.9	75.9	11 800	53.6	76.9	11 000				48.0
50.0	40.2	68.9	9 700*	41.6	69.9	10 000*	43.6	71.3	10 500*	45.5	72.6	11 100*	48.5	74.2	11 100	51.3	75.3	10 300				50.0
52.0	37.1	66.4	9 000*	38.6	67.5	9 300*	40.7	69.1	9 800*	42.7	70.5	10 300*	45.9	72.3	10 400	48.8	73.6	9 600	51.5	74.5	8 800	52.0
54.0	33.9	63.5	8 300*	35.5	64.9	8 600*	37.7	66.6	9 100*	39.9	68.2	9 600*	43.2	70.2	9 700	46.2	71.8	8 900	49.0	72.8	8 200	54.0
56.0	30.3	60.3	7 800*	32.0	61.8	8 000*	34.5	63.8	8 400*	36.8	65.6	8 900*	40.3	68.0	9 100	43.6	69.7	8 300	46.5	71.0	7 700	56.0
58.0	26.3	56.5	7 200*	28.3	58.3	7 500*	31.0	60.7	7 800*	33.5	62.7	8 200*	37.3	65.5	8 500	40.7	67.5	7 800	43.8	69.0	7 100	58.0
60.0	21.6	51.9	6 800*	23.9	54.2	7 000*	27.1	57.0	7 300*	29.9	59.4	7 700*	34.1	62.6	8 000	37.7	65.0	7 300	41.0	66.8	6 700	60.0
62.0	15.6	45.8	6 100*	18.7	48.9	6 500*	22.5	52.6	6 800*	25.8	55.6	7 100*	30.5	59.4	7 500	34.5	62.3	6 900	38.0	64.3	6 200	62.0
64.0	4.1	33.8	4 000*	11.2	41.2	5 600*	16.9	46.9	6 400*	21.0	50.9	6 700*	26.5	55.7	7 100	31.0	59.1	6 400	34.8	61.6	5 800	64.0
66.0										14.8	44.6	6 300*	21.9	51.2	6 700	27.1	55.4	6 000	31.4	58.4	5 400	66.0
68.0													16.0	45.2	6 300	22.6	51.0	5 700	27.5	54.8	5 100	68.0
70.0													5.5	34.3	5 900*	16.9	45.3	5 300	23.0	50.5	4 800	70.0
72.0																			17.5	45.0	4 500	72.0
74.0																			9.1	36.3	4 200	74.0



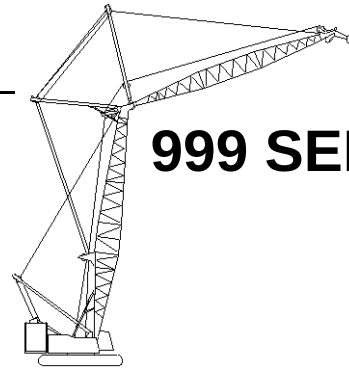
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

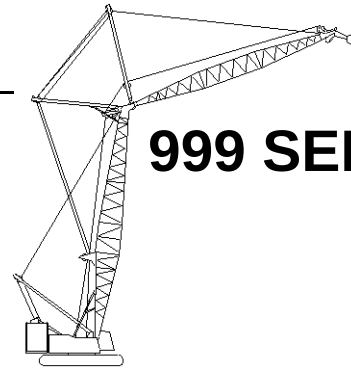
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



27.4m (90 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.3	91.7	20 100*																			19.8
20.0	75.1	91.6	20 100*																			20.0
22.0	73.2	91.1	19 800*																			22.0
24.0	71.4	90.4	19 500*	72.3	90.6	22 300*																24.0
26.0	69.5	89.7	19 300*	70.4	90.0	22 000*																26.0
28.0	67.5	88.9	19 000*	68.4	89.2	21 700*	69.8	89.6	21 100*													28.0
30.0	65.6	88.0	18 700*	66.5	88.3	21 400*	67.9	88.8	20 900*													30.0
32.0	63.6	87.0	18 500*	64.5	87.4	21 100*	65.9	87.9	20 700*	67.3	88.3	21 900										32.0
34.0	61.6	86.0	18 200*	62.5	86.4	19 900*	64.0	87.0	20 500*	65.4	87.4	20 400										34.0
36.0	59.5	84.8	17 400*	60.5	85.3	18 100*	61.9	85.9	19 500*	63.4	86.4	19 000										36.0
38.0	57.4	83.6	15 800*	58.4	84.1	16 500*	59.9	84.8	17 600*	61.3	85.4	17 700										38.0
40.0	55.2	82.2	14 500*	56.3	82.8	15 100*	57.8	83.6	16 100*	59.3	84.2	16 600	61.7	85.0	15 500							40.0
42.0	53.0	80.8	13 300*	54.1	81.4	13 900*	55.6	82.2	14 700*	57.2	82.9	15 500	59.6	83.8	14 600							42.0
44.0	50.7	79.2	12 300*	51.8	79.9	12 800*	53.4	80.8	13 500*	55.0	81.6	14 400	57.5	82.6	13 600							44.0
46.0	48.3	77.4	11 300*	49.5	78.2	11 800*	51.2	79.2	12 500*	52.8	80.1	13 200*	55.4	81.2	12 800							46.0
48.0	45.9	75.6	10 500*	47.1	76.4	10 900*	48.8	77.5	11 500*	50.5	78.5	12 200*	53.1	79.8	11 900	55.6	80.6	11 000				48.0
50.0	43.3	73.5	9 700*	44.6	74.4	10 100*	46.4	75.7	10 600*	48.1	76.8	11 200*	50.9	78.2	11 100	53.4	79.2	10 300				50.0
52.0	40.6	71.3	9 000*	41.9	72.3	9 300*	43.8	73.7	9 900*	45.6	74.9	10 400*	48.5	76.5	10 400	51.2	77.6	9 600				52.0
54.0	37.8	68.8	8 400*	39.2	69.9	8 700*	41.2	71.5	9 100*	43.1	72.8	9 600*	46.0	74.6	9 700	48.8	75.9	9 000	51.4	76.8	8 200	54.0
56.0	34.7	66.0	7 800*	36.2	67.3	8 000*	38.3	69.0	8 500*	40.3	70.5	8 900*	43.5	72.6	9 100	46.4	74.1	8 400	49.0	75.1	7 700	56.0
58.0	31.4	62.9	7 200*	33.0	64.4	7 500*	35.3	66.3	7 900*	37.5	68.0	8 300*	40.8	70.3	8 500	43.8	72.1	7 800	46.6	73.3	7 100	58.0
60.0	27.7	59.3	6 700*	29.5	61.0	6 900*	32.1	63.3	7 300*	34.4	65.2	7 700*	38.0	67.9	8 000	41.2	69.9	7 300	44.1	71.3	6 700	60.0
62.0	23.6	55.1	6 300*	25.6	57.1	6 500*	28.5	59.8	6 800*	31.1	62.1	7 100*	34.9	65.1	7 500	38.3	67.4	6 800	41.4	69.1	6 200	62.0
64.0	18.5	49.8	5 800*	21.0	52.4	6 000*	24.4	55.7	6 300*	27.3	58.4	6 600*	31.6	62.0	7 000	35.3	64.7	6 400	38.6	66.7	5 800	64.0
66.0	11.4	42.1	4 600*	15.2	46.2	5 500*	19.5	50.7	5 900*	23.1	54.1	6 200*	28.0	58.5	6 600	32.1	61.7	6 000	35.6	64.0	5 400	66.0
68.0							13.0	43.7	5 400*	17.9	48.7	5 700*	23.8	54.3	6 200	28.5	58.2	5 600	32.4	61.0	5 000	68.0
70.0										10.4	40.5	5 400*	18.8	49.1	5 800*	24.4	54.1	5 300	28.8	57.6	4 700	70.0
72.0													11.9	41.6	5 400*	19.6	49.1	4 900	24.8	53.6	4 400	72.0
74.0																13.0	42.1	4 600	20.1	48.6	4 100	74.0
76.0																			13.8	41.9	3 800	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

27.4m (90 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	76.0	94.8	18 300*																			19.8
20.0	75.8	94.8	18 200*																			20.0
22.0	74.0	94.2	17 900*																			22.0
24.0	72.2	93.6	17 700*																			24.0
26.0	70.4	92.9	17 400*	71.3	93.2	19 800*																26.0
28.0	68.6	92.2	17 100*	69.5	92.5	19 600*																28.0
30.0	66.7	91.3	16 800*	67.6	91.7	19 300*	69.0	92.1	18 800*													30.0
32.0	64.9	90.4	16 600*	65.8	90.8	19 000*	67.1	91.2	18 600*													32.0
34.0	63.0	89.4	16 400*	63.9	89.8	18 700*	65.2	90.4	18 400*	66.6	90.7	19 500										34.0
36.0	61.0	88.3	16 100*	62.0	88.8	17 900*	63.3	89.4	18 200*	64.7	89.8	18 600										36.0
38.0	59.0	87.2	15 500*	60.0	87.7	16 200*	61.4	88.3	17 300*	62.8	88.8	17 200										38.0
40.0	57.0	85.9	14 200*	58.0	86.5	14 800*	59.4	87.2	15 800*	60.8	87.7	16 100										40.0
42.0	54.9	84.5	13 100*	55.9	85.1	13 600*	57.4	85.9	14 500*	58.8	86.6	15 100	61.1	87.3	14 100							42.0
44.0	52.8	83.1	12 000*	53.8	83.7	12 500*	55.3	84.6	13 300*	56.8	85.3	14 100	59.2	86.2	13 200							44.0
46.0	50.6	81.5	11 100*	51.7	82.2	11 500*	53.2	83.1	12 200*	54.7	83.9	12 900*	57.1	84.9	12 400							46.0
48.0	48.4	79.7	10 200*	49.5	80.5	10 600*	51.1	81.5	11 200*	52.6	82.4	11 900*	55.1	83.6	11 600							48.0
50.0	46.0	77.9	9 500*	47.2	78.7	9 800*	48.8	79.8	10 400*	50.4	80.8	11 000*	53.0	82.1	10 800	55.4	83.0	10 000				50.0
52.0	43.6	75.8	8 700*	44.8	76.8	9 000*	46.5	78.0	9 600*	48.1	79.1	10 100*	50.8	80.5	10 100	53.2	81.5	9 300				52.0
54.0	41.0	73.6	8 100*	42.3	74.6	8 400*	44.1	76.0	8 800*	45.8	77.2	9 400*	48.5	78.8	9 400	51.1	79.9	8 700				54.0
56.0	38.3	71.2	7 500*	39.7	72.3	7 700*	41.5	73.8	8 200*	43.3	75.1	8 600*	46.2	76.9	8 800	48.8	78.2	8 100	51.3	79.1	7 400	56.0
58.0	35.5	68.5	6 900*	36.9	69.7	7 200*	38.9	71.4	7 600*	40.8	72.9	8 000*	43.7	74.9	8 300	46.5	76.4	7 500	49.0	77.4	6 800	58.0
60.0	32.4	65.5	6 400*	33.9	66.9	6 600*	36.0	68.8	7 000*	38.1	70.4	7 400*	41.2	72.7	7 700	44.1	74.4	7 000	46.7	75.6	6 400	60.0
62.0	29.0	62.1	6 000*	30.7	63.7	6 100*	33.0	65.8	6 500*	35.2	67.7	6 800*	38.5	70.3	7 200	41.5	72.2	6 600	44.3	73.6	5 900	62.0
64.0	25.2	58.1	5 500*	27.1	60.0	5 700*	29.7	62.5	6 000*	32.1	64.6	6 300*	35.7	67.6	6 800	38.9	69.8	6 100	41.8	71.4	5 500	64.0
66.0	20.8	53.3	5 100*	23.0	55.6	5 300*	26.0	58.6	5 600*	28.6	61.2	5 900*	32.6	64.6	6 300	36.0	67.2	5 700	39.1	69.1	5 100	66.0
68.0	15.1	47.0	4 500*	18.0	50.2	5 000*	21.7	54.0	5 200*	24.8	57.2	5 400*	29.2	61.2	5 900	33.0	64.2	5 300	36.3	66.5	4 700	68.0
70.0	5.0	35.4	2 800*	11.1	42.3	4 100*	16.4	48.1	4 800*	20.3	52.2	5 000*	25.5	57.3	5 500*	29.7	60.9	5 000	33.3	63.5	4 400	70.0
72.0										14.4	45.7	4 700*	21.1	52.5	5 100*	26.0	57.1	4 700	30.0	60.3	4 100	72.0
74.0													15.5	46.4	4 700*	21.7	52.5	4 300	26.4	56.5	3 800	74.0
76.0													6.1	35.6	4 400*	16.4	46.5	4 100	22.1	52.0	3 500	76.0
78.0																			16.9	46.2	3 300	78.0
80.0																			9.2	37.4	3 000	80.0



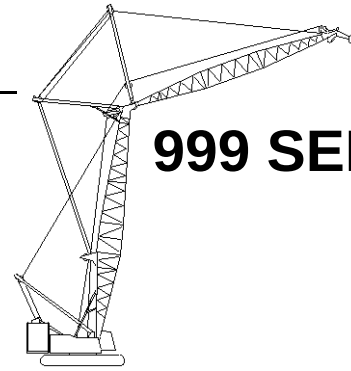
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

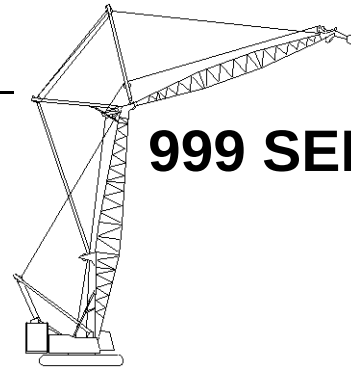
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



27.4m (90 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.3	97.6	17 000*																			21.3
22.0	74.7	97.4	16 900*																			22.0
24.0	73.0	96.8	16 600*																			24.0
26.0	71.3	96.2	16 400*	72.1	96.4	18 900*																26.0
28.0	69.6	95.4	16 200*	70.4	95.7	18 600*																28.0
30.0	67.8	94.6	15 900*	68.7	95.0	18 400*	69.9	95.3	18 100*													30.0
32.0	66.0	93.8	15 700*	66.9	94.1	18 100*	68.2	94.6	18 000*													32.0
34.0	64.2	92.8	15 500*	65.1	93.2	17 900*	66.4	93.7	17 700*													34.0
36.0	62.4	91.8	15 300*	63.3	92.2	17 400*	64.6	92.8	17 600*	65.9	93.2	18 100										36.0
38.0	60.5	90.7	15 100*	61.4	91.2	16 100*	62.7	91.8	17 100*	64.0	92.2	16 900										38.0
40.0	58.6	89.5	14 000*	59.5	90.0	14 600*	60.9	90.7	15 600*	62.2	91.2	15 800										40.0
42.0	56.7	88.2	12 900*	57.6	88.8	13 400*	59.0	89.5	14 300*	60.3	90.1	14 800										42.0
44.0	54.7	86.9	11 800*	55.7	87.5	12 300*	57.1	88.2	13 100*	58.4	88.9	13 800	60.6	89.7	12 900							44.0
46.0	52.7	85.4	10 800*	53.6	86.0	11 300*	55.1	86.9	12 000*	56.5	87.6	12 800*	58.7	88.5	12 000							46.0
48.0	50.6	83.8	10 000*	51.6	84.5	10 400*	53.1	85.4	11 000*	54.5	86.2	11 700*	56.8	87.3	11 300							48.0
50.0	48.4	82.0	9 200*	49.4	82.8	9 600*	51.0	83.8	10 200*	52.5	84.7	10 800*	54.8	85.9	10 600							50.0
52.0	46.2	80.2	8 500*	47.2	81.0	8 800*	48.8	82.1	9 400*	50.3	83.1	9 900*	52.8	84.4	9 900	55.1	85.3	9 100				52.0
54.0	43.8	78.2	7 900*	45.0	79.1	8 200*	46.6	80.3	8 700*	48.2	81.4	9 100*	50.7	82.8	9 300	53.1	83.8	8 500				54.0
56.0	41.4	76.0	7 300*	42.6	77.0	7 500*	44.3	78.3	8 000*	45.9	79.5	8 400*	48.5	81.1	8 600	51.0	82.2	7 900				56.0
58.0	38.9	73.6	6 700*	40.1	74.7	7 000*	41.9	76.1	7 400*	43.6	77.4	7 800*	46.3	79.2	8 000	48.8	80.5	7 400	51.2	81.4	6 600	58.0
60.0	36.2	70.9	6 200*	37.5	72.1	6 400*	39.4	73.8	6 800*	41.2	75.2	7 200*	44.0	77.2	7 500	46.6	78.7	6 800	49.0	79.7	6 200	60.0
62.0	33.3	68.0	5 700*	34.7	69.4	6 000*	36.7	71.2	6 300*	38.6	72.8	6 600*	41.6	75.0	7 100	44.3	76.7	6 400	46.8	77.9	5 700	62.0
64.0	30.1	64.7	5 300*	31.7	66.3	5 500*	33.8	68.3	5 800*	35.9	70.1	6 100*	39.0	72.6	6 600	41.9	74.5	5 900	44.5	75.9	5 300	64.0
66.0	26.6	61.0	4 900*	28.4	62.8	5 100*	30.7	65.1	5 300*	33.0	67.2	5 700*	36.3	70.0	6 200	39.4	72.2	5 500	42.1	73.8	4 900	66.0
68.0	22.7	56.5	4 500*	24.7	58.7	4 700*	27.3	61.5	4 900*	29.8	63.9	5 200*	33.4	67.1	5 700	36.7	69.6	5 100	39.6	71.4	4 500	68.0
70.0	17.9	51.0	4 200*	20.3	53.8	4 300*	23.5	57.2	4 600*	26.3	60.1	4 800*	30.3	63.9	5 300*	33.8	66.7	4 800	36.9	68.9	4 200	70.0
72.0	11.3	43.2	3 100*	14.8	47.3	3 900*	18.9	52.0	4 200*	22.2	55.6	4 500*	26.9	60.1	4 900*	30.7	63.5	4 500	34.1	66.0	3 900	72.0
74.0							12.8	44.8	3 800*	17.3	49.9	4 100*	22.9	55.8	4 500*	27.3	59.9	4 100	31.1	62.9	3 600	74.0
76.0										10.3	41.6	3 800*	18.2	50.3	4 200*	23.5	55.6	3 800	27.7	59.3	3 300	76.0
78.0													11.8	42.7	3 900*	18.9	50.4	3 600	23.9	55.1	3 000	78.0
80.0																12.8	43.2	3 400	19.4	50.0	2 800	80.0
82.0																			13.5	43.0	2 600	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

27.4m (90 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.9	100.7	15 400*																			21.3
22.0	75.4	100.6	15 300*																			22.0
24.0	73.8	100.0	15 100*																			24.0
26.0	72.1	99.4	14 900*	72.9	99.6	17 100*																26.0
28.0	70.5	98.7	14 600*	71.3	98.9	16 900*																28.0
30.0	68.8	97.9	14 400*	69.6	98.2	16 700*																30.0
32.0	67.1	97.1	14 200*	67.9	97.4	16 400*	69.1	97.8	16 100*													32.0
34.0	65.4	96.2	14 000*	66.2	96.6	16 100*	67.4	97.0	16 000*													34.0
36.0	63.6	95.2	13 800*	64.5	95.6	15 900*	65.7	96.1	15 800*	66.9	96.5	17 000*										36.0
38.0	61.9	94.2	13 600*	62.7	94.6	15 700*	64.0	95.2	15 600*	65.2	95.6	16 500										38.0
40.0	60.1	93.1	13 400*	60.9	93.6	14 400*	62.2	94.2	15 300*	63.5	94.6	15 400										40.0
42.0	58.2	91.9	12 700*	59.1	92.4	13 100*	60.4	93.1	14 000*	61.7	93.6	14 400										42.0
44.0	56.4	90.6	11 600*	57.3	91.1	12 000*	58.6	91.9	12 800*	59.9	92.5	13 400										44.0
46.0	54.5	89.2	10 600*	55.4	89.8	11 100*	56.7	90.6	11 700*	58.1	91.2	12 500*	60.2	92.1	11 600							46.0
48.0	52.5	87.7	9 700*	53.5	88.3	10 100*	54.8	89.2	10 800*	56.2	89.9	11 400*	58.4	90.9	10 900							48.0
50.0	50.5	86.1	8 900*	51.5	86.8	9 300*	52.9	87.7	9 900*	54.3	88.5	10 500*	56.5	89.6	10 200							50.0
52.0	48.4	84.3	8 200*	49.4	85.1	8 600*	50.9	86.1	9 100*	52.3	87.0	9 700*	54.6	88.2	9 600	56.7	89.0	8 700				52.0
54.0	46.3	82.5	7 600*	47.3	83.3	7 900*	48.8	84.4	8 400*	50.3	85.4	8 900*	52.6	86.7	9 000	54.8	87.6	8 200				54.0
56.0	44.1	80.5	7 000*	45.1	81.4	7 300*	46.7	82.6	7 700*	48.2	83.7	8 200*	50.6	85.1	8 400	52.9	86.1	7 600				56.0
58.0	41.8	78.3	6 400*	42.9	79.3	6 700*	44.5	80.6	7 100*	46.1	81.8	7 500*	48.6	83.4	7 800	50.9	84.5	7 000				58.0
60.0	39.3	75.9	5 900*	40.5	77.0	6 100*	42.2	78.5	6 500*	43.8	79.8	6 900*	46.4	81.5	7 200	48.8	82.8	6 600	51.1	83.7	5 900	60.0
62.0	36.8	73.4	5 500*	38.0	74.5	5 600*	39.8	76.2	6 000*	41.5	77.6	6 400*	44.2	79.5	6 800	46.7	81.0	6 100	49.0	82.0	5 400	62.0
64.0	34.0	70.5	5 000*	35.4	71.8	5 200*	37.3	73.6	5 500*	39.1	75.2	5 800*	41.9	77.4	6 300	44.5	79.0	5 700	46.9	80.2	5 000	64.0
66.0	31.1	67.3	4 600*	32.5	68.8	4 800*	34.6	70.8	5 100*	36.5	72.6	5 400*	39.5	75.0	5 900	42.2	76.9	5 300	44.7	78.2	4 600	66.0
68.0	27.9	63.8	4 200*	29.5	65.5	4 400*	31.7	67.7	4 700*	33.8	69.7	4 900*	36.9	72.4	5 400	39.8	74.6	4 900	42.4	76.1	4 300	68.0
70.0	24.3	59.6	3 900*	26.1	61.6	4 100*	28.5	64.2	4 300*	30.8	66.5	4 500*	34.2	69.6	5 000*	37.3	72.0	4 500	40.0	73.8	3 900	70.0
72.0	20.1	54.6	3 600*	22.2	57.1	3 700*	25.0	60.2	3 900*	27.6	62.9	4 100*	31.3	66.5	4 600*	34.6	69.2	4 200	37.5	71.3	3 600	72.0
74.0	14.8	48.2	3 000*	17.5	51.4	3 400*	21.0	55.4	3 600*	23.9	58.7	3 800*	28.1	62.9	4 200*	31.7	66.1	3 900	34.8	68.5	3 300	74.0
76.0				11.0	43.4	2 700*	15.9	49.3	3 300*	19.6	53.6	3 500*	24.5	58.8	3 800*	28.5	62.6	3 600	32.0	65.5	3 000	76.0
78.0										14.1	46.8	3 200*	20.4	53.9	3 500*	25.0	58.6	3 300	28.9	62.0	2 800	78.0
80.0													15.1	47.5	3 200*	21.0	53.8	3 000	25.4	58.1	2 500	80.0
82.0													6.6	36.8	2 900*	15.9	47.7	2 800	21.4	53.4	2 300	82.0
84.0																			16.5	47.4	2 100	84.0
86.0																			9.3	38.4	1 900	86.0



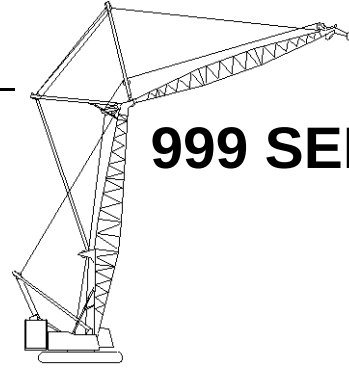
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

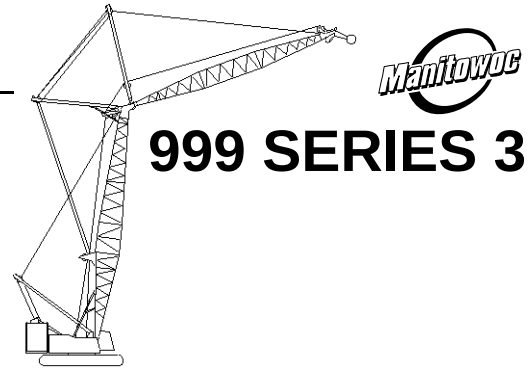


30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	68.1	52.6	62 800*b																			11.6
12.0	66.9	52.4	61 300*b																			12.0
14.0	60.9	51.4	54 600*b	64.1	51.9	57 700*b																14.0
16.0	54.4	50.1	49 200*	57.9	50.7	51 700*b	62.9	51.5	55 900*b													16.0
18.0	47.4	48.4	44 700*	51.2	49.2	46 800*	56.6	50.2	50 200*	61.6	51.0	51 300b										18.0
20.0	39.4	46.2	41 000*	43.8	47.3	42 700*	49.8	48.7	45 500*	55.2	49.7	46 000										20.0
22.0	29.7	43.2	37 800*	35.2	44.8	39 400*	42.2	46.7	41 700*	48.2	48.0	41 600	57.1	49.4	39 700b							22.0
24.0	14.8	38.0	29 700*	23.9	41.1	35 700*	33.1	44.0	38 300	40.4	45.9	37 500	50.3	47.9	35 800							24.0
26.0										30.9	43.0	33 800	42.8	46.0	32 300	52.1	47.5	30 800				26.0
28.0													33.9	43.3	29 300	44.8	45.7	27 900				28.0
30.0													22.0	39.4	26 800	36.4	43.2	25 500	46.5	45.0	24 300	30.0
32.0																25.6	39.8	23 400	38.4	42.8	22 300	32.0
34.0																		28.3	39.6	20 600		34.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	71.0	55.9	61 000*b																			11.6
12.0	70.0	55.7	59 500*b																			12.0
14.0	64.8	54.8	53 100*b	67.6	55.2	56 200*b																14.0
16.0	59.5	53.7	47 900*	62.3	54.3	50 400*b	66.5	54.9	54 500*b													16.0
18.0	53.8	52.4	43 600*	56.8	53.0	45 700*	61.2	53.8	49 100*													18.0
20.0	47.6	50.7	40 000*	51.0	51.5	41 700*	55.7	52.6	44 600*	60.1	53.3	45 000										20.0
22.0	40.8	48.5	36 900*	44.5	49.7	38 400*	49.7	51.0	40 800*	54.4	52.0	40 700										22.0
24.0	32.7	45.8	34 000*	37.2	47.3	35 500*	43.1	49.0	37 500*	48.3	50.3	37 100	56.1	51.8	35 400							24.0
26.0	22.2	41.8	30 000*	28.3	44.0	32 300*	35.5	46.5	34 500	41.6	48.3	33 500	50.2	50.2	31 900	57.6	51.3	30 400				26.0
28.0							26.0	43.0	31 300	33.7	45.6	30 400	43.6	48.3	29 000	51.7	49.8	27 600				28.0
30.0										23.6	41.8	27 800	36.1	45.8	26 500	45.4	48.0	25 200				30.0
32.0													26.9	42.4	24 300	38.2	45.7	23 100	46.8	47.3	22 000	32.0
34.0																29.5	42.6	21 300	39.8	45.1	20 200	34.0
36.0																17.2	37.7	19 700	31.6	42.3	18 700	36.0
38.0																			20.5	38.0	17 400	38.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	73.2	59.1	59 200*b																			11.6
12.0	72.3	58.9	57 800*b																			12.0
14.0	67.8	58.2	51 900*b	70.2	58.5	54 800*b																14.0
16.0	63.2	57.2	46 900*	65.7	57.7	49 400*b	69.3	58.2	53 300*b													16.0
18.0	58.4	56.1	42 700*	60.9	56.6	44 800*	64.7	57.3	48 100*													18.0
20.0	53.3	54.7	39 100*	56.0	55.4	40 900*	59.9	56.2	43 800*	63.7	56.8	44 100										20.0
22.0	47.8	53.0	36 100*	50.7	53.8	37 700*	54.9	54.9	40 100*	58.9	55.7	40 000										22.0
24.0	41.8	50.9	33 600*	45.0	52.0	34 900*	49.6	53.3	36 900*	53.8	54.3	36 500										24.0
26.0	34.9	48.3	30 300*	38.7	49.7	32 100*	43.8	51.3	34 200	48.4	52.6	33 300	55.3	54.1	31 700							26.0
28.0	26.5	44.8	27 400*	31.2	46.7	28 900*	37.2	48.9	31 100	42.4	50.6	30 200	50.0	52.5	28 800							28.0
30.0	13.9	39.1	22 500*	21.5	42.5	25 900*	29.5	45.8	28 300	35.7	48.1	27 600	44.2	50.6	26 300	51.4	52.1	24 900				30.0
32.0							18.9	41.2	25 800*	27.5	44.7	25 400	37.8	48.2	24 100	45.8	50.3	22 900	52.6	51.4	21 700	32.0
34.0													30.1	45.2	22 300	39.5	48.1	21 100	47.1	49.6	20 000	34.0
36.0													19.9	40.7	20 600	32.3	45.2	19 500	41.0	47.5	18 400	36.0
38.0																23.0	41.2	18 100	34.0	44.8	17 100	38.0
40.0																			25.3	41.2	15 900	40.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
11.6	74.9	62.3	57 200*b																			11.6
12.0	74.1	62.1	56 000*b																			12.0
14.0	70.1	61.5	50 400*b	72.3	61.8	53 200*b																14.0
16.0	66.1	60.6	45 700*	68.2	61.0	48 100*																16.0
18.0	61.9	59.6	41 700*	64.1	60.1	43 700*	67.4	60.6	47 000*													18.0
20.0	57.5	58.4	38 300*	59.8	59.0	40 000*	63.2	59.7	42 800*	66.5	60.2	43 200										20.0
22.0	52.8	57.0	35 300*	55.3	57.7	36 800*	58.9	58.5	39 200*	62.3	59.2	39 100										22.0
24.0	47.9	55.3	32 700*	50.6	56.1	34 100*	54.4	57.2	36 200*	58.0	58.0	35 700										24.0
26.0	42.5	53.2	30 000*	45.4	54.3	31 700*	49.5	55.6	33 500	53.4	56.6	32 700	59.2	57.7	31 000							26.0
28.0	36.5	50.7	27 100*	39.8	52.1	28 600*	44.3	53.7	30 900	48.5	54.9	30 000	54.7	56.4	28 500							28.0
30.0	29.5	47.6	24 700*	33.4	49.3	25 900*	38.6	51.3	28 000	43.1	52.9	27 300	49.9	54.8	25 900							30.0
32.0	20.3	43.1	22 200*	25.6	45.6	23 700*	31.9	48.4	25 400*	37.2	50.5	25 100	44.7	52.9	23 800	51.2	54.4	22 500				32.0
34.0							23.6	44.5	23 200*	30.3	47.4	23 100	39.0	50.6	21 900	46.1	52.6	20 700				34.0
36.0										21.5	43.2	21 400	32.5	47.8	20 300	40.6	50.4	19 200	47.3	51.9	18 100	36.0
38.0													24.4	44.0	18 800	34.3	47.7	17 800	41.8	49.9	16 800	38.0
40.0																26.7	44.2	16 600	35.7	47.3	15 600	40.0
42.0																16.0	38.9	15 500	28.5	44.0	14 500	42.0
44.0																			18.8	39.3	13 600	44.0



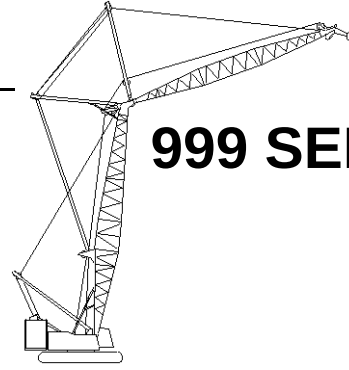
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

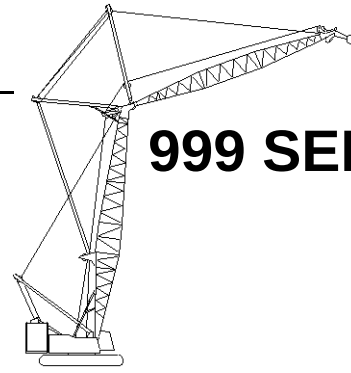
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.2	65.2	53 500*																			12.2
14.0	72.0	64.7	48 900*																			14.0
16.0	68.4	63.9	44 500*	70.3	64.3	46 900*																16.0
18.0	64.6	63.0	40 700*	66.6	63.5	42 700*																18.0
20.0	60.7	62.0	37 400*	62.8	62.5	39 100*	65.8	63.1	41 800*													20.0
22.0	56.7	60.7	34 500*	58.9	61.3	36 100*	62.0	62.1	38 400*	65.0	62.6	38 600										22.0
24.0	52.5	59.3	32 100*	54.8	60.0	33 400*	58.0	60.9	35 400*	61.2	61.6	35 100										24.0
26.0	48.0	57.6	29 900*	50.4	58.4	31 000*	53.9	59.5	32 900*	57.2	60.3	32 200	62.3	61.3	30 600							26.0
28.0	43.2	55.6	27 000*	45.8	56.6	28 600*	49.5	57.9	30 500	53.0	58.9	29 700	58.4	60.1	28 100							28.0
30.0	37.8	53.2	24 500*	40.7	54.4	25 800*	44.8	56.0	27 900	48.5	57.2	27 200	54.2	58.7	25 800							30.0
32.0	31.7	50.2	22 500*	35.1	51.8	23 500*	39.6	53.7	25 300*	43.7	55.3	24 900	49.8	57.1	23 700	55.3	58.2	22 400				32.0
34.0	24.3	46.3	20 600*	28.5	48.5	21 600*	33.8	51.0	23 000*	38.4	52.9	23 000	45.2	55.2	21 800	51.0	56.7	20 600				34.0
36.0	13.2	40.2	17 300*	19.9	43.9	19 600*	26.9	47.5	21 200*	32.4	50.0	21 300	40.0	53.0	20 200	46.4	54.9	19 000				36.0
38.0							17.6	42.4	19 600*	25.2	46.3	19 800	34.3	50.3	18 700	41.4	52.8	17 700	47.4	54.2	16 600	38.0
40.0													27.5	46.9	17 500	35.9	50.2	16 400	42.5	52.2	15 400	40.0
42.0													18.5	42.0	16 300	29.4	47.0	15 300	37.1	49.7	14 400	42.0
44.0																21.2	42.6	14 400	30.9	46.7	13 500	44.0
46.0																			23.2	42.7	12 600	46.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.0	68.0	48 000*																			13.7
14.0	73.6	67.9	47 400*																			14.0
16.0	70.3	67.2	43 300*	72.0	67.5	45 500*																16.0
18.0	66.9	66.4	39 600*	68.7	66.8	41 600*																18.0
20.0	63.4	65.5	36 500*	65.3	65.9	38 200*	68.0	66.4	40 800*													20.0
22.0	59.8	64.3	33 700*	61.7	64.9	35 200*	64.5	65.5	37 500*													22.0
24.0	56.1	63.1	31 300*	58.1	63.7	32 600*	61.0	64.5	34 700*	63.8	65.0	34 600										24.0
26.0	52.2	61.6	29 200*	54.3	62.3	30 400*	57.3	63.2	32 200*	60.2	63.9	31 700										26.0
28.0	48.1	59.9	27 100*	50.3	60.7	28 300*	53.5	61.8	30 000*	56.5	62.7	29 300	61.3	63.6	27 700							28.0
30.0	43.7	57.9	24 500*	46.1	58.9	25 800*	49.4	60.2	27 800*	52.6	61.2	27 100	57.6	62.4	25 600							30.0
32.0	38.9	55.6	22 400*	41.5	56.8	23 500*	45.1	58.3	25 300*	48.5	59.5	24 900	53.8	61.0	23 500							32.0
34.0	33.5	52.8	20 500*	36.4	54.2	21 500*	40.5	56.1	23 000*	44.2	57.6	22 900	49.8	59.4	21 700	54.8	60.6	20 500				34.0
36.0	27.1	49.3	18 900*	30.7	51.2	19 800*	35.3	53.5	21 100*	39.4	55.3	21 200	45.5	57.6	20 000	50.8	59.0	18 900				36.0
38.0	18.9	44.4	17 200*	23.6	47.1	18 300*	29.3	50.2	19 400*	34.1	52.6	19 700	40.8	55.4	18 600	46.6	57.2	17 500				38.0
40.0							21.9	45.9	18 000*	27.9	49.2	18 300	35.7	52.8	17 300	42.1	55.1	16 300	47.6	56.5	15 300	40.0
42.0										20.0	44.5	17 100	29.8	49.6	16 200	37.1	52.6	15 200	43.1	54.5	14 200	42.0
44.0													22.6	45.4	15 100	31.5	49.6	14 200	38.2	52.1	13 300	44.0
46.0																24.7	45.8	13 300	32.8	49.3	12 400	46.0
48.0																15.2	40.1	12 500	26.3	45.7	11 600	48.0
50.0																			17.7	40.5	11 000	50.0



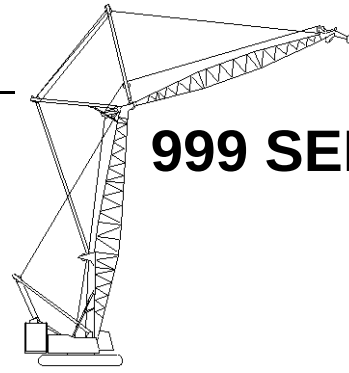
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

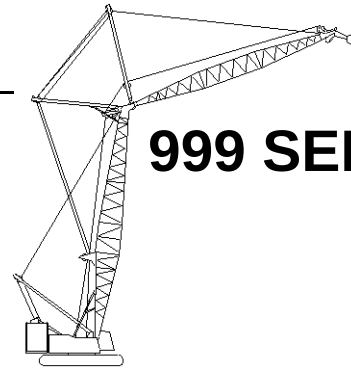
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.3	71.1	45 900*																			13.7
14.0	74.9	71.1	45 500*																			14.0
16.0	71.8	70.4	42 200*																			16.0
18.0	68.8	69.7	38 700*	70.4	70.0	40 600*																18.0
20.0	65.6	68.8	35 700*	67.3	69.2	37 400*	69.8	69.7	39 800*													20.0
22.0	62.4	67.8	33 000*	64.1	68.3	34 500*	66.6	68.9	36 800*													22.0
24.0	59.0	66.7	30 700*	60.8	67.2	32 100*	63.4	67.9	34 000*	65.9	68.4	34 000										24.0
26.0	55.6	65.4	28 700*	57.4	66.0	29 800*	60.1	66.8	31 600*	62.7	67.4	31 100										26.0
28.0	52.0	63.9	26 700*	53.9	64.6	27 800*	56.7	65.6	29 500*	59.4	66.3	28 700										28.0
30.0	48.2	62.2	24 300*	50.2	63.0	25 600*	53.1	64.1	27 500*	56.0	65.0	26 600	60.4	66.0	25 100							30.0
32.0	44.1	60.2	22 100*	46.3	61.2	23 200*	49.4	62.5	25 000*	52.4	63.5	24 600	57.0	64.8	23 300							32.0
34.0	39.7	57.9	20 300*	42.1	59.1	21 200*	45.4	60.6	22 800*	48.6	61.8	22 700	53.4	63.3	21 400							34.0
36.0	34.9	55.3	18 600*	37.5	56.7	19 500*	41.2	58.4	20 800*	44.6	59.9	21 000	49.7	61.7	19 800	54.4	62.9	18 600				36.0
38.0	29.4	52.0	17 200*	32.4	53.7	18 000*	36.5	55.9	19 100*	40.2	57.7	19 500	45.8	59.9	18 300	50.7	61.3	17 300				38.0
40.0	22.6	47.8	16 000*	26.4	50.1	16 700*	31.2	52.9	17 700*	35.4	55.0	18 100	41.5	57.7	17 000	46.8	59.5	16 000	51.5	60.6	15 000	40.0
42.0	12.8	41.3	13 700*	18.7	45.2	15 300*	25.0	49.0	16 400*	30.0	51.9	16 900	36.9	55.2	15 900	42.7	57.5	14 900	47.7	58.8	14 000	42.0
44.0							16.6	43.6	15 300*	23.5	47.8	15 900	31.7	52.2	14 900	38.1	55.1	13 900	43.6	56.9	13 000	44.0
46.0													25.5	48.5	13 900	33.1	52.2	13 000	39.2	54.5	12 200	46.0
48.0													17.4	43.2	13 100	27.2	48.7	12 200	34.3	51.8	11 400	48.0
50.0																19.8	44.0	11 500	28.6	48.4	10 700	50.0
52.0																			21.7	44.1	10 100	52.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.2	73.9	40 900*																			15.2
16.0	73.2	73.7	40 200*																			16.0
18.0	70.3	73.0	37 700*	71.9	73.3	39 400*																18.0
20.0	67.5	72.2	34 800*	69.0	72.5	36 400*																20.0
22.0	64.5	71.3	32 300*	66.1	71.7	33 700*	68.4	72.2	35 800*													22.0
24.0	61.5	70.2	30 000*	63.1	70.7	31 300*	65.5	71.3	33 300*													24.0
26.0	58.3	69.0	28 000*	60.0	69.6	29 200*	62.5	70.3	30 900*	64.8	70.8	30 400										26.0
28.0	55.1	67.7	26 200*	56.8	68.4	27 200*	59.4	69.2	28 800*	61.8	69.8	28 100										28.0
30.0	51.8	66.2	24 100*	53.6	66.9	25 300*	56.2	67.9	26 900	58.7	68.6	26 000										30.0
32.0	48.2	64.5	21 900*	50.1	65.3	23 000*	52.9	66.4	24 800	55.5	67.3	24 100	59.6	68.4	22 700							32.0
34.0	44.5	62.5	20 000*	46.5	63.5	20 900*	49.4	64.8	22 500*	52.1	65.8	22 400	56.4	67.1	21 100							34.0
36.0	40.5	60.3	18 400*	42.6	61.4	19 200*	45.7	62.9	20 600*	48.6	64.1	20 700	53.1	65.6	19 500							36.0
38.0	36.1	57.7	16 900*	38.4	59.1	17 700*	41.8	60.8	18 900*	44.9	62.2	19 200	49.7	64.0	18 000	54.0	65.2	16 900				38.0
40.0	31.1	54.7	15 700*	33.8	56.3	16 300*	37.5	58.3	17 400*	40.9	60.0	17 900	46.0	62.2	16 700	50.6	63.6	15 700				40.0
42.0	25.4	50.8	14 600*	28.6	52.9	15 200*	32.8	55.4	16 100*	36.6	57.5	16 600	42.1	60.1	15 600	47.0	61.8	14 600	51.3	62.9	13 600	42.0
44.0	17.9	45.7	13 300*	22.2	48.6	14 100*	27.4	51.9	14 900*	31.7	54.5	15 600	37.9	57.6	14 600	43.1	59.8	13 600	47.8	61.2	12 700	44.0
46.0							20.6	47.3	13 900*	26.1	50.8	14 600	33.2	54.8	13 600	39.0	57.4	12 700	44.0	59.2	11 800	46.0
48.0										18.9	45.8	13 700*	27.8	51.3	12 800	34.5	54.7	11 900	39.9	56.9	11 100	48.0
50.0													21.2	46.8	12 000	29.3	51.4	11 200	35.5	54.3	10 400	50.0
52.0																23.1	47.3	10 500	30.5	51.1	9 700	52.0
54.0																14.5	41.2	9 900	24.6	47.2	9 100	54.0
56.0																			16.8	41.7	8 600	56.0



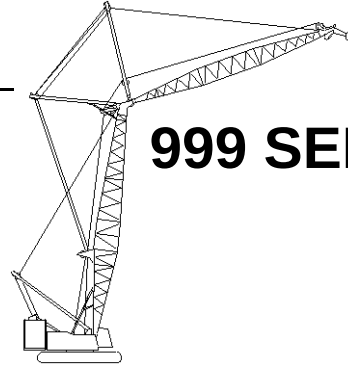
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

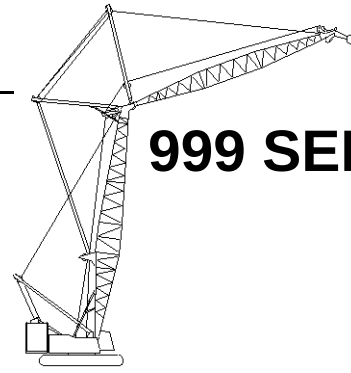
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.3	77.1	36 900*																			15.2
16.0	74.3	76.8	36 700*																			16.0
18.0	71.7	76.2	36 000*																			18.0
20.0	69.0	75.5	33 800*	70.5	75.8	35 400*																20.0
22.0	66.3	74.6	31 400*	67.8	75.0	32 800*	69.9	75.5	34 800*													22.0
24.0	63.5	73.7	29 300*	65.0	74.1	30 500*	67.2	74.6	32 400*													24.0
26.0	60.7	72.6	27 400*	62.2	73.1	28 500*	64.4	73.7	30 200*	66.6	74.2	30 000										26.0
28.0	57.8	71.4	25 600*	59.3	72.0	26 700*	61.6	72.7	28 200*	63.8	73.2	27 600										28.0
30.0	54.7	70.0	23 800*	56.3	70.7	24 900*	58.7	71.5	26 400	61.0	72.2	25 600										30.0
32.0	51.6	68.5	21 700*	53.3	69.2	22 800*	55.7	70.2	24 600	58.1	71.0	23 700	61.8	71.9	22 400							32.0
34.0	48.3	66.8	19 800*	50.0	67.6	20 800*	52.6	68.7	22 400*	55.1	69.6	22 100	58.9	70.7	20 800							34.0
36.0	44.8	64.9	18 200*	46.7	65.8	19 000*	49.4	67.1	20 400*	51.9	68.1	20 600	56.0	69.4	19 300							36.0
38.0	41.1	62.7	16 800*	43.1	63.8	17 500*	45.9	65.2	18 700*	48.6	66.4	19 000	52.8	68.0	17 900							38.0
40.0	37.0	60.2	15 500*	39.2	61.5	16 200*	42.3	63.1	17 200*	45.2	64.5	17 700	49.6	66.3	16 600	53.7	67.5	15 500				40.0
42.0	32.6	57.2	14 400*	35.0	58.8	15 000*	38.4	60.7	15 900*	41.5	62.4	16 500	46.2	64.5	15 400	50.5	65.9	14 400				42.0
44.0	27.5	53.7	13 400*	30.3	55.6	13 900*	34.1	58.0	14 700*	37.5	59.9	15 400	42.6	62.4	14 400	47.1	64.1	13 500				44.0
46.0	21.3	49.2	12 500*	24.8	51.7	13 000*	29.3	54.7	13 700*	33.1	57.0	14 400	38.7	60.0	13 500	43.6	62.1	12 600	47.9	63.5	11 700	46.0
48.0	12.5	42.4	10 700*	17.7	46.4	12 000*	23.5	50.5	12 800*	28.1	53.6	13 500*	34.4	57.3	12 700	39.7	59.8	11 800	44.3	61.5	10 900	48.0
50.0							15.9	44.8	12 000*	22.1	49.2	12 600*	29.7	54.0	11 900	35.6	57.2	11 000	40.6	59.3	10 200	50.0
52.0													24.0	50.0	11 200	31.0	54.1	10 400	36.5	56.7	9 600	52.0
54.0													16.6	44.4	10 500	25.6	50.3	9 700	32.0	53.7	9 000	54.0
56.0																18.8	45.3	9 200	26.8	50.1	8 400	56.0
58.0																			20.5	45.4	8 000	58.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.4	79.8	33 100*																			16.8
18.0	72.9	79.4	32 700*																			18.0
20.0	70.4	78.7	32 100*	71.7	79.0	34 300*																20.0
22.0	67.9	78.0	30 700*	69.2	78.3	31 900*																22.0
24.0	65.3	77.1	28 500*	66.7	77.5	29 800*	68.7	77.9	31 500*													24.0
26.0	62.7	76.1	26 700*	64.1	76.5	27 800*	66.1	77.1	29 400*													26.0
28.0	60.0	75.0	25 000*	61.4	75.5	26 000*	63.5	76.1	27 600*	65.6	76.6	27 300										28.0
30.0	57.2	73.7	23 500*	58.7	74.3	24 400*	60.9	75.1	25 800*	63.0	75.6	25 200										30.0
32.0	54.4	72.3	21 800*	55.9	73.0	22 900*	58.1	73.9	24 200*	60.3	74.5	23 400										32.0
34.0	51.4	70.8	19 900*	53.0	71.6	20 900*	55.3	72.5	22 500	57.5	73.3	21 800	61.1	74.2	20 500							34.0
36.0	48.3	69.1	18 300*	50.0	69.9	19 100*	52.4	71.0	20 500*	54.7	72.0	20 400	58.4	73.1	19 100							36.0
38.0	45.1	67.2	16 800*	46.8	68.1	17 500*	49.3	69.4	18 800*	51.7	70.4	19 000	55.5	71.7	17 800							38.0
40.0	41.6	65.0	15 500*	43.5	66.1	16 200*	46.1	67.5	17 200*	48.7	68.7	17 600	52.6	70.3	16 600	56.3	71.2	15 400				40.0
42.0	37.9	62.6	14 400*	39.9	63.8	15 000*	42.7	65.5	15 900*	45.4	66.8	16 400	49.6	68.6	15 400	53.4	69.8	14 300				42.0
44.0	33.8	59.8	13 300*	36.0	61.2	13 800*	39.1	63.1	14 700*	42.0	64.7	15 300	46.4	66.8	14 300	50.4	68.2	13 400				44.0
46.0	29.3	56.4	12 400*	31.8	58.2	12 900*	35.2	60.4	13 600*	38.3	62.3	14 400	43.0	64.7	13 400	47.2	66.4	12 500	51.0	67.5	11 500	46.0
48.0	24.0	52.4	11 600*	26.9	54.6	12 000*	30.8	57.3	12 700*	34.3	59.5	13 400	39.4	62.4	12 600	43.9	64.4	11 700	47.9	65.8	10 800	48.0
50.0	17.1	46.9	10 600*	21.0	50.0	11 300*	25.8	53.5	11 800*	29.8	56.3	12 500*	35.5	59.8	11 800	40.4	62.2	10 900	44.6	63.8	10 100	50.0
52.0							19.6	48.6	11 100*	24.6	52.3	11 600*	31.2	56.7	11 000	36.6	59.6	10 200	41.2	61.6	9 400	52.0
54.0										18.0	47.1	10 900*	26.2	52.9	10 400	32.4	56.7	9 600	37.4	59.1	8 800	54.0
56.0													20.1	48.2	9 800	27.6	53.1	9 000	33.3	56.3	8 300	56.0
58.0																21.9	48.7	8 500	28.7	52.9	7 800	58.0
60.0																14.0	42.3	8 000	23.2	48.7	7 300	60.0
62.0																			16.1	42.9	6 900	62.0



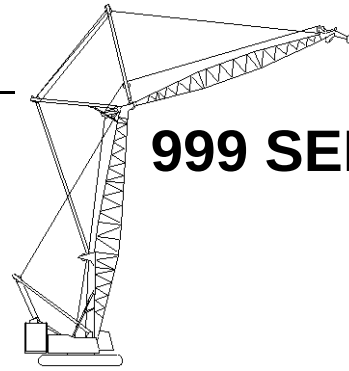
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

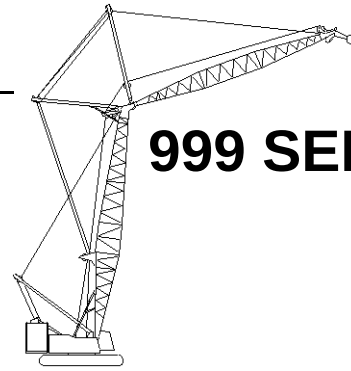
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.3	83.0	29 800*																			16.8
18.0	73.9	82.6	29 700*																			18.0
20.0	71.6	82.0	29 300*	72.8	82.2	33 300*																20.0
22.0	69.2	81.2	28 800*	70.5	81.6	31 100*																22.0
24.0	66.9	80.4	27 900*	68.1	80.8	29 000*																24.0
26.0	64.4	79.5	26 100*	65.7	79.9	27 200*	67.6	80.4	28 800*													26.0
28.0	61.9	78.5	24 500*	63.3	78.9	25 500*	65.2	79.5	26 900*	67.1	80.0	26 700										28.0
30.0	59.4	77.3	23 100*	60.7	77.9	24 000*	62.7	78.5	25 300*	64.7	79.1	24 700										30.0
32.0	56.8	76.0	21 500*	58.2	76.7	22 500*	60.2	77.4	23 800*	62.2	78.0	23 000										32.0
34.0	54.1	74.6	19 700*	55.5	75.3	20 600*	57.6	76.2	22 100	59.7	76.9	21 400										34.0
36.0	51.3	73.1	18 000*	52.8	73.9	18 900*	54.9	74.8	20 300*	57.1	75.7	19 900	60.4	76.6	18 700							36.0
38.0	48.4	71.4	16 600*	49.9	72.2	17 300*	52.2	73.3	18 500*	54.4	74.3	18 700	57.8	75.4	17 500							38.0
40.0	45.3	69.5	15 300*	46.9	70.4	15 900*	49.3	71.7	17 000*	51.6	72.7	17 400	55.2	74.1	16 300							40.0
42.0	42.1	67.4	14 100*	43.8	68.4	14 700*	46.3	69.8	15 600*	48.7	71.0	16 200	52.4	72.6	15 100	55.9	73.6	14 100				42.0
44.0	38.6	65.0	13 100*	40.5	66.2	13 600*	43.1	67.8	14 400*	45.6	69.2	15 100	49.5	70.9	14 100	53.1	72.1	13 100				44.0
46.0	34.9	62.2	12 200*	36.9	63.6	12 600*	39.8	65.5	13 400*	42.4	67.1	14 200	46.5	69.1	13 200	50.3	70.5	12 200				46.0
48.0	30.8	59.1	11 300*	33.0	60.7	11 700*	36.1	62.9	12 400*	39.0	64.7	13 200	43.4	67.1	12 300	47.3	68.7	11 400	50.9	69.8	10 500	48.0
50.0	26.0	55.3	10 600*	28.6	57.3	10 900*	32.1	59.9	11 600*	35.3	62.0	12 200*	40.0	64.8	11 500	44.2	66.8	10 700	48.0	68.1	9 800	50.0
52.0	20.3	50.6	9 900*	23.5	53.2	10 200*	27.7	56.4	10 800*	31.2	58.9	11 400*	36.4	62.2	10 800	40.9	64.5	10 000	44.9	66.1	9 200	52.0
54.0	12.2	43.5	8 500*	17.0	47.6	9 500*	22.3	52.0	10 100*	26.6	55.2	10 600*	32.5	59.2	10 200	37.4	62.0	9 400	41.7	64.0	8 600	54.0
56.0							15.3	46.0	9 500*	21.0	50.6	9 900*	28.0	55.7	9 600	33.5	59.2	8 800	38.2	61.5	8 000	56.0
58.0													22.8	51.5	9 000	29.2	55.9	8 300	34.4	58.8	7 500	58.0
60.0													16.0	45.6	8 500	24.2	51.8	7 800	30.2	55.6	7 100	60.0
62.0																18.0	46.5	7 300	25.4	51.7	6 600	62.0
64.0																7.7	37.4	6 900	19.5	46.8	6 300	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

30.5m (100 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.5	85.7	26 700*																			18.3
20.0	72.7	85.2	26 500*	73.8	85.4	30 200*																20.0
22.0	70.5	84.5	26 200*	71.6	84.8	29 800*																22.0
24.0	68.2	83.7	25 800*	69.4	84.1	28 300*																24.0
26.0	65.9	82.9	25 400*	67.2	83.2	26 500*	68.9	83.7	28 000*													26.0
28.0	63.6	81.9	23 900*	64.9	82.3	24 900*	66.7	82.9	26 200*													28.0
30.0	61.3	80.8	22 400*	62.5	81.3	23 400*	64.4	82.0	24 700*	66.2	82.4	24 200										30.0
32.0	58.8	79.7	21 200*	60.1	80.2	22 000*	62.0	80.9	23 200*	63.9	81.5	22 400										32.0
34.0	56.4	78.4	19 400*	57.7	79.0	20 400*	59.6	79.8	21 700	61.5	80.4	20 800										34.0
36.0	53.8	77.0	17 700*	55.2	77.6	18 600*	57.2	78.5	20 000	59.1	79.3	19 400										36.0
38.0	51.1	75.4	16 300*	52.6	76.2	17 000*	54.6	77.2	18 300*	56.6	78.0	18 200	59.8	79.0	17 000							38.0
40.0	48.4	73.7	15 000*	49.9	74.5	15 700*	52.0	75.7	16 700*	54.1	76.6	17 000	57.4	77.7	15 900							40.0
42.0	45.5	71.8	13 800*	47.1	72.7	14 400*	49.3	74.0	15 400*	51.4	75.0	15 900	54.8	76.4	14 800							42.0
44.0	42.5	69.7	12 800*	44.1	70.7	13 300*	46.5	72.2	14 200*	48.7	73.3	14 800	52.2	74.9	13 800	55.5	75.9	12 800				44.0
46.0	39.3	67.3	11 800*	41.0	68.5	12 300*	43.5	70.1	13 100*	45.8	71.5	13 800	49.5	73.2	12 800	52.9	74.4	11 900				46.0
48.0	35.8	64.7	11 000*	37.7	66.1	11 500*	40.3	67.9	12 200*	42.8	69.4	12 900	46.7	71.4	12 000	50.2	72.8	11 100				48.0
50.0	32.0	61.7	10 300*	34.1	63.3	10 600*	37.0	65.3	11 300*	39.6	67.1	11 900*	43.7	69.4	11 200	47.4	71.0	10 300	50.8	72.1	9 500	50.0
52.0	27.8	58.1	9 600*	30.1	60.0	9 900*	33.3	62.4	10 500*	36.2	64.5	11 100*	40.6	67.1	10 500	44.5	69.1	9 700	48.0	70.4	8 800	52.0
54.0	22.8	53.8	9 000*	25.6	56.2	9 300*	29.2	59.1	9 700*	32.5	61.5	10 300*	37.2	64.6	9 900	41.4	66.9	9 000	45.1	68.4	8 200	54.0
56.0	16.5	48.1	8 200*	20.1	51.3	8 700*	24.5	55.1	9 100*	28.3	58.0	9 600*	33.6	61.8	9 300	38.1	64.4	8 500	42.1	66.3	7 700	56.0
58.0							18.7	49.9	8 500*	23.4	53.8	9 000*	29.5	58.5	8 700	34.6	61.7	8 000	38.9	63.9	7 200	58.0
60.0										17.3	48.3	8 400*	24.9	54.5	8 200	30.6	58.5	7 500	35.4	61.2	6 800	60.0
62.0													19.3	49.5	7 700	26.2	54.7	7 000	31.5	58.2	6 300	62.0
64.0													11.0	41.9	7 300	20.9	50.1	6 600	27.2	54.6	5 900	64.0
66.0																13.7	43.5	6 200	22.1	50.1	5 500	66.0
68.0																			15.5	44.1	5 200	68.0



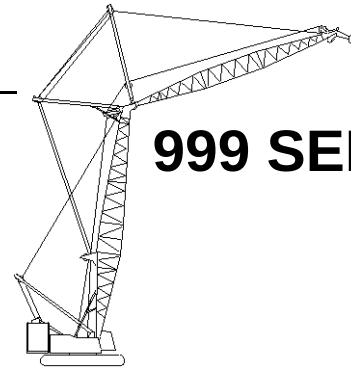
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

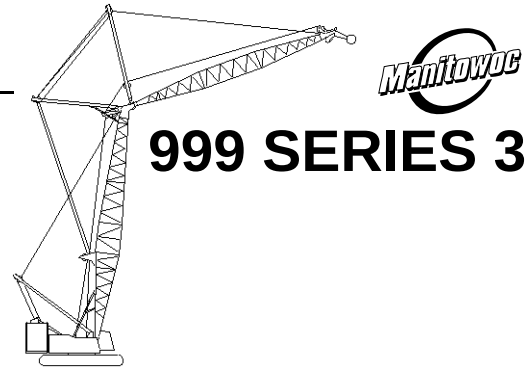
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



30.5m (100 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.4	88.9	23 900*																			18.3
20.0	73.6	88.4	23 700*																			20.0
22.0	71.5	87.7	23 500*	72.6	88.0	26 700*																22.0
24.0	69.4	87.0	23 200*	70.5	87.3	26 500*																24.0
26.0	67.3	86.2	22 900*	68.4	86.6	25 700*	70.1	87.0	25 500*													26.0
28.0	65.1	85.3	22 700*	66.3	85.7	24 200*	68.0	86.2	25 200*													28.0
30.0	62.9	84.3	22 000*	64.1	84.8	22 700*	65.8	85.3	24 000*													30.0
32.0	60.7	83.2	20 600*	61.9	83.7	21 500*	63.6	84.4	22 600*	65.4	84.9	22 000										32.0
34.0	58.3	82.0	19 300*	59.6	82.6	20 100*	61.4	83.3	21 300	63.1	83.9	20 500										34.0
36.0	56.0	80.7	17 600*	57.2	81.3	18 400*	59.1	82.1	19 800	60.9	82.8	19 100										36.0
38.0	53.5	79.3	16 100*	54.8	80.0	16 900*	56.8	80.9	18 100*	58.6	81.6	17 800										38.0
40.0	51.0	77.7	14 800*	52.4	78.5	15 500*	54.3	79.5	16 600*	56.2	80.3	16 700	59.3	81.3	15 500							40.0
42.0	48.4	76.0	13 700*	49.8	76.8	14 200*	51.9	78.0	15 200*	53.8	78.9	15 700	56.9	80.1	14 600							42.0
44.0	45.7	74.1	12 600*	47.2	75.0	13 200*	49.3	76.3	14 000*	51.3	77.3	14 700	54.5	78.7	13 700							44.0
46.0	42.8	72.0	11 700*	44.4	73.1	12 200*	46.6	74.5	12 900*	48.7	75.6	13 700	52.1	77.2	12 700	55.2	78.2	11 700				46.0
48.0	39.8	69.7	10 800*	41.5	70.9	11 300*	43.8	72.4	12 000*	46.0	73.8	12 700*	49.5	75.5	11 800	52.7	76.7	11 000				48.0
50.0	36.6	67.1	10 100*	38.3	68.5	10 500*	40.8	70.2	11 100*	43.2	71.7	11 800*	46.8	73.7	11 100	50.2	75.1	10 200				50.0
52.0	33.1	64.2	9 400*	35.0	65.7	9 700*	37.7	67.7	10 300*	40.2	69.4	10 900*	44.0	71.7	10 400	47.5	73.3	9 500	50.7	74.4	8 700	52.0
54.0	29.2	60.9	8 700*	31.3	62.6	9 100*	34.3	64.9	9 600*	37.0	66.9	10 100*	41.1	69.5	9 700	44.7	71.4	8 900	48.1	72.7	8 100	54.0
56.0	24.8	56.9	8 200*	27.2	59.0	8 500*	30.5	61.7	8 900*	33.5	64.0	9 400*	37.9	67.0	9 100	41.8	69.2	8 300	45.4	70.7	7 500	56.0
58.0	19.5	51.9	7 600*	22.5	54.6	7 900*	26.3	58.0	8 300*	29.7	60.7	8 800*	34.5	64.3	8 500	38.8	66.8	7 800	42.5	68.6	7 100	58.0
60.0	12.0	44.6	6 500*	16.4	48.8	7 300*	21.4	53.4	7 800*	25.3	56.8	8 200*	30.8	61.1	8 100	35.4	64.2	7 300	39.4	66.3	6 600	60.0
62.0							14.8	47.1	7 300*	20.1	51.9	7 700*	26.7	57.4	7 600	31.8	61.1	6 800	36.2	63.7	6 200	62.0
64.0													21.8	52.9	7 100	27.8	57.6	6 400	32.7	60.7	5 800	64.0
66.0													15.4	46.8	6 800	23.1	53.3	6 000	28.7	57.3	5 400	66.0
68.0																17.3	47.7	5 700	24.2	53.2	5 000	68.0
70.0																8.0	38.5	5 400	18.7	48.0	4 700	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

30.5m (100 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.6	91.6	21 500*																			19.8
20.0	74.4	91.5	21 500*																			20.0
22.0	72.5	90.9	21 200*																			22.0
24.0	70.5	90.3	20 900*	71.6	90.5	23 900*																24.0
26.0	68.5	89.5	20 700*	69.6	89.8	23 700*																26.0
28.0	66.4	88.6	20 400*	67.5	89.0	23 300*	69.1	89.5	22 800*													28.0
30.0	64.4	87.7	20 200*	65.5	88.1	22 100*	67.1	88.7	22 600*													30.0
32.0	62.3	86.7	20 000*	63.4	87.2	20 900*	65.0	87.8	22 000*	66.7	88.2	21 500										32.0
34.0	60.1	85.6	18 800*	61.3	86.1	19 700*	62.9	86.8	20 700	64.6	87.3	20 000										34.0
36.0	57.9	84.4	17 300*	59.1	84.9	18 200*	60.8	85.7	19 400	62.5	86.3	18 600										36.0
38.0	55.6	83.0	15 800*	56.8	83.7	16 600*	58.6	84.5	17 800	60.3	85.2	17 400										38.0
40.0	53.3	81.6	14 600*	54.6	82.3	15 200*	56.4	83.2	16 300*	58.1	84.0	16 300	61.0	84.9	15 100							40.0
42.0	50.9	80.0	13 400*	52.2	80.8	14 000*	54.1	81.8	14 900*	55.9	82.6	15 200	58.8	83.7	14 100							42.0
44.0	48.5	78.3	12 300*	49.8	79.1	12 900*	51.7	80.3	13 800*	53.6	81.2	14 300	56.6	82.4	13 200							44.0
46.0	45.9	76.4	11 400*	47.3	77.3	11 900*	49.3	78.6	12 600*	51.2	79.6	13 400	54.3	81.0	12 400	57.1	81.9	11 400				46.0
48.0	43.2	74.3	10 600*	44.6	75.4	11 000*	46.7	76.8	11 700*	48.7	77.9	12 500	51.9	79.5	11 600	54.9	80.5	10 600				48.0
50.0	40.3	72.1	9 800*	41.9	73.2	10 200*	44.1	74.8	10 800*	46.2	76.1	11 500*	49.5	77.8	10 800	52.5	79.0	9 900				50.0
52.0	37.3	69.6	9 100*	38.9	70.8	9 500*	41.3	72.6	10 000*	43.5	74.0	10 600*	46.9	76.0	10 000	50.1	77.4	9 200				52.0
54.0	34.1	66.7	8 400*	35.8	68.2	8 800*	38.3	70.1	9 300*	40.6	71.8	9 900*	44.3	74.0	9 400	47.6	75.6	8 600	50.6	76.7	7 800	54.0
56.0	30.5	63.5	7 800*	32.4	65.2	8 100*	35.1	67.4	8 600*	37.6	69.3	9 100*	41.5	71.8	8 800	45.0	73.7	8 000	48.1	75.0	7 200	56.0
58.0	26.5	59.8	7 300*	28.7	61.8	7 600*	31.7	64.3	8 000*	34.4	66.5	8 500*	38.5	69.4	8 300	42.2	71.6	7 500	45.5	73.1	6 700	58.0
60.0	21.9	55.2	6 800*	24.4	57.7	7 100*	27.9	60.8	7 500*	30.9	63.4	7 900*	35.4	66.7	7 700	39.3	69.2	7 000	42.8	71.0	6 300	60.0
62.0	15.9	49.3	6 200*	19.3	52.6	6 600*	23.5	56.6	7 000*	27.0	59.7	7 300*	32.0	63.7	7 300	36.2	66.6	6 500	40.0	68.7	5 900	62.0
64.0	5.4	38.3	4 600*	12.2	45.3	5 900*	18.1	51.2	6 500*	22.4	55.3	6 800*	28.2	60.2	6 800	32.9	63.7	6 100	36.9	66.1	5 400	64.0
66.0										16.7	49.5	6 400*	23.8	56.0	6 400	29.2	60.3	5 700	33.6	63.3	5 100	66.0
68.0													18.5	50.7	6 000	25.0	56.3	5 400	30.0	60.0	4 700	68.0
70.0													11.0	42.9	5 700	20.0	51.4	5 000	26.0	56.2	4 400	70.0
72.0																13.3	44.6	4 800	21.2	51.5	4 100	72.0
74.0																			15.0	45.3	3 800	74.0



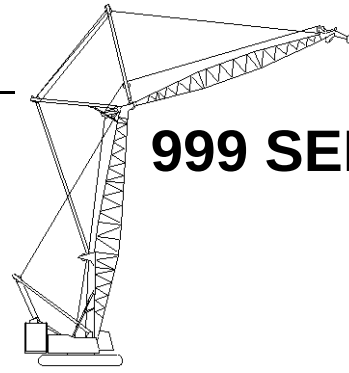
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

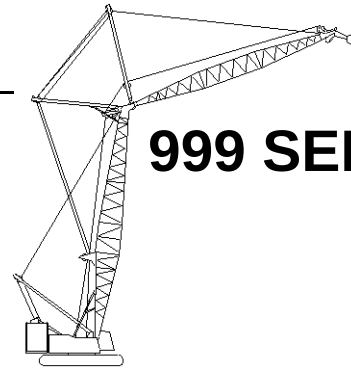
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



30.5m (100 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.4	94.8	19 500*																			19.8
20.0	75.2	94.7	19 500*																			20.0
22.0	73.3	94.1	19 200*																			22.0
24.0	71.5	93.5	19 000*	72.5	93.8	21 600*																24.0
26.0	69.6	92.8	18 700*	70.6	93.1	21 300*																26.0
28.0	67.6	92.0	18 400*	68.7	92.3	21 100*	70.2	92.7	20 500*													28.0
30.0	65.7	91.1	18 200*	66.7	91.5	20 900*	68.3	92.0	20 400*													30.0
32.0	63.7	90.1	18 000*	64.7	90.6	20 400*	66.3	91.1	20 200*	67.8	91.5	21 300										32.0
34.0	61.7	89.1	17 700*	62.7	89.6	19 300*	64.3	90.2	20 000*	65.9	90.6	19 800										34.0
36.0	59.6	87.9	17 200*	60.7	88.5	18 200*	62.3	89.2	19 200*	63.9	89.7	18 500										36.0
38.0	57.5	86.7	16 100*	58.6	87.3	16 900*	60.3	88.0	18 000	61.9	88.7	17 200										38.0
40.0	55.3	85.3	14 700*	56.5	86.0	15 400*	58.2	86.8	16 600*	59.8	87.5	16 100	62.5	88.3	15 000							40.0
42.0	53.1	83.9	13 600*	54.3	84.6	14 200*	56.0	85.5	15 200*	57.7	86.3	15 100	60.4	87.2	14 000							42.0
44.0	50.8	82.3	12 500*	52.1	83.1	13 000*	53.8	84.1	13 900*	55.6	85.0	14 200	58.3	86.0	13 100							44.0
46.0	48.5	80.6	11 500*	49.7	81.4	12 000*	51.6	82.6	12 800*	53.4	83.5	13 400	56.2	84.7	12 300							46.0
48.0	46.0	78.7	10 700*	47.3	79.6	11 100*	49.2	80.9	11 800*	51.1	81.9	12 500	54.0	83.3	11 600	56.8	84.2	10 600				48.0
50.0	43.5	76.7	9 900*	44.8	77.7	10 300*	46.8	79.1	10 900*	48.7	80.2	11 600*	51.8	81.8	10 800	54.6	82.8	9 900				50.0
52.0	40.8	74.4	9 100*	42.2	75.6	9 500*	44.3	77.1	10 100*	46.3	78.4	10 800*	49.4	80.1	10 100	52.4	81.3	9 200				52.0
54.0	37.9	72.0	8 500*	39.5	73.2	8 800*	41.7	74.9	9 400*	43.8	76.4	9 900*	47.0	78.3	9 400	50.0	79.7	8 600				54.0
56.0	34.9	69.2	7 900*	36.5	70.6	8 200*	38.9	72.5	8 700*	41.1	74.1	9 200*	44.5	76.3	8 800	47.7	77.9	8 000	50.6	79.0	7 300	56.0
58.0	31.6	66.1	7 300*	33.4	67.7	7 600*	35.9	69.9	8 000*	38.3	71.7	8 500*	41.9	74.2	8 300	45.2	76.0	7 500	48.2	77.3	6 700	58.0
60.0	27.9	62.6	6 800*	29.9	64.4	7 100*	32.7	66.9	7 500*	35.2	69.0	7 900*	39.1	71.8	7 700	42.6	73.9	7 000	45.7	75.4	6 300	60.0
62.0	23.8	58.4	6 400*	26.1	60.6	6 600*	29.2	63.5	7 000*	32.0	65.9	7 400*	36.1	69.2	7 300	39.8	71.6	6 600	43.1	73.3	5 900	62.0
64.0	18.8	53.2	5 900*	21.6	56.0	6 100*	25.2	59.6	6 500*	28.4	62.5	6 800*	33.0	66.2	6 800	36.9	69.0	6 100	40.4	71.0	5 400	64.0
66.0	11.8	45.7	4 900*	15.9	50.0	5 600*	20.5	54.7	6 000*	24.3	58.3	6 400*	29.5	62.9	6 400	33.8	66.2	5 700	37.6	68.5	5 000	66.0
68.0							14.5	48.2	5 600*	19.4	53.3	5 900*	25.5	59.0	6 000	30.4	62.9	5 400	34.5	65.8	4 700	68.0
70.0										12.8	46.2	5 500*	20.9	54.2	5 600	26.6	59.2	5 000	31.2	62.6	4 400	70.0
72.0													15.0	48.0	5 300	22.2	54.7	4 700	27.5	59.0	4 100	72.0
74.0																16.7	49.0	4 400	23.2	54.7	3 800	74.0
76.0																8.2	39.7	4 100	18.1	49.3	3 500	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

30.5m (100 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.7	97.5	17 500*																			21.3
22.0	74.1	97.3	17 400*																			22.0
24.0	72.3	96.7	17 100*																			24.0
26.0	70.5	96.0	16 900*	71.5	96.3	19 300*																26.0
28.0	68.7	95.3	16 700*	69.7	95.6	19 100*																28.0
30.0	66.8	94.4	16 400*	67.8	94.8	18 800*	69.3	95.2	18 300*													30.0
32.0	65.0	93.5	16 200*	66.0	93.9	18 500*	67.4	94.4	18 100*													32.0
34.0	63.1	92.5	16 000*	64.1	93.0	18 300*	65.6	93.5	18 000*	67.1	94.0	19 000										34.0
36.0	61.1	91.5	15 700*	62.2	92.0	17 700*	63.7	92.6	17 700*	65.2	93.1	18 000										36.0
38.0	59.1	90.3	15 500*	60.2	90.8	16 600*	61.8	91.5	17 500	63.3	92.1	16 800										38.0
40.0	57.1	89.0	14 500*	58.2	89.6	15 200*	59.8	90.4	16 300*	61.3	91.0	15 700										40.0
42.0	55.1	87.7	13 300*	56.2	88.3	13 900*	57.8	89.2	14 900*	59.4	89.9	14 700	61.9	90.7	13 500							42.0
44.0	52.9	86.2	12 200*	54.1	86.9	12 800*	55.7	87.8	13 700*	57.4	88.6	13 800	59.9	89.6	12 700							44.0
46.0	50.8	84.6	11 300*	51.9	85.4	11 700*	53.6	86.4	12 500*	55.3	87.3	12 900	57.9	88.4	11 900							46.0
48.0	48.5	82.9	10 400*	49.7	83.7	10 800*	51.5	84.9	11 600*	53.2	85.8	12 100	55.9	87.1	11 100							48.0
50.0	46.2	81.0	9 600*	47.4	81.9	10 000*	49.2	83.2	10 600*	51.0	84.2	11 400	53.8	85.6	10 400	56.4	86.5	9 500				50.0
52.0	43.7	79.0	8 900*	45.0	80.0	9 200*	46.9	81.4	9 900*	48.8	82.5	10 500*	51.6	84.1	9 800	54.3	85.1	8 900				52.0
54.0	41.2	76.8	8 200*	42.5	77.9	8 500*	44.5	79.4	9 100*	46.4	80.7	9 700*	49.4	82.4	9 200	52.2	83.6	8 300				54.0
56.0	38.5	74.4	7 600*	39.9	75.6	7 900*	42.0	77.2	8 400*	44.0	78.7	8 900*	47.1	80.6	8 500	50.0	82.0	7 700				56.0
58.0	35.6	71.7	7 000*	37.2	73.1	7 300*	39.4	74.9	7 800*	41.5	76.5	8 300*	44.7	78.7	8 000	47.7	80.2	7 200	50.5	81.3	6 400	58.0
60.0	32.6	68.7	6 500*	34.2	70.2	6 800*	36.6	72.3	7 200*	38.8	74.1	7 600*	42.2	76.5	7 500	45.3	78.3	6 700	48.2	79.6	6 000	60.0
62.0	29.2	65.3	6 100*	31.0	67.1	6 300*	33.6	69.4	6 700*	36.0	71.4	7 100*	39.6	74.2	7 000	42.9	76.2	6 300	45.9	77.7	5 500	62.0
64.0	25.4	61.4	5 600*	27.5	63.4	5 800*	30.3	66.2	6 200*	32.9	68.5	6 500*	36.8	71.6	6 500	40.3	74.0	5 800	43.4	75.6	5 100	64.0
66.0	21.0	56.6	5 200*	23.5	59.2	5 400*	26.7	62.4	5 700*	29.6	65.1	6 100*	33.8	68.7	6 100	37.5	71.4	5 400	40.9	73.4	4 800	66.0
68.0	15.5	50.4	4 700*	18.6	53.9	5 000*	22.5	58.0	5 300*	25.9	61.3	5 600*	30.6	65.5	5 700	34.6	68.7	5 000	38.2	70.9	4 400	68.0
70.0	6.0	39.6	3 300*	12.0	46.4	4 400*	17.5	52.4	4 900*	21.6	56.7	5 200*	27.0	61.8	5 400	31.5	65.5	4 700	35.3	68.2	4 100	70.0
72.0										16.2	50.7	4 800*	22.9	57.5	5 000	28.0	62.0	4 400	32.2	65.2	3 800	72.0
74.0													17.9	52.0	4 700	24.0	57.8	4 100	28.8	61.7	3 500	74.0
76.0													10.9	44.0	4 400	19.3	52.7	3 800	24.9	57.7	3 200	76.0
78.0																13.1	45.7	3 500	20.4	52.9	3 000	78.0
80.0																			14.7	46.4	2 700	80.0



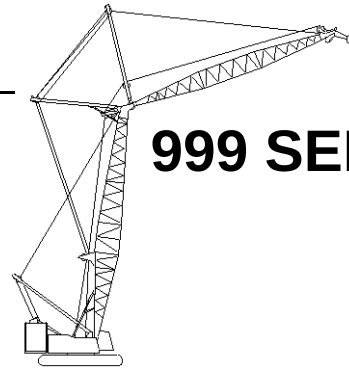
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

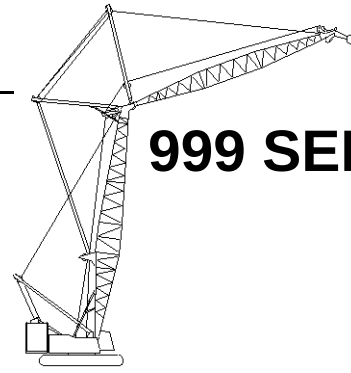
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



30.5m (100 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.4	100.7	16 400*																			21.3
22.0	74.8	100.5	16 300*																			22.0
24.0	73.1	99.9	16 100*																			24.0
26.0	71.4	99.2	15 900*	72.3	99.5	18 400*																26.0
28.0	69.7	98.5	15 700*	70.6	98.8	18 100*																28.0
30.0	67.9	97.7	15 500*	68.8	98.1	17 900*																30.0
32.0	66.1	96.9	15 300*	67.1	97.3	17 700*	68.5	97.7	17 500*													32.0
34.0	64.3	95.9	15 100*	65.3	96.4	17 500*	66.7	96.9	17 300*													34.0
36.0	62.5	94.9	14 900*	63.5	95.4	17 100*	64.9	96.0	17 100*	66.3	96.4	17 600										36.0
38.0	60.6	93.8	14 200*	61.6	94.3	16 200*	63.1	95.0	17 000*	64.5	95.5	16 400										38.0
40.0	58.7	92.6	13 500*	59.7	93.2	14 900*	61.2	93.9	16 100	62.7	94.5	15 400										40.0
42.0	56.8	91.4	12 700*	57.8	92.0	13 700*	59.3	92.8	14 700*	60.8	93.4	14 300										42.0
44.0	54.8	90.0	12 000*	55.9	90.6	12 600*	57.4	91.5	13 400*	58.9	92.2	13 400	61.4	93.1	12 400							44.0
46.0	52.8	88.5	11 000*	53.9	89.2	11 600*	55.5	90.2	12 300*	57.0	91.0	12 600	59.5	91.9	11 500							46.0
48.0	50.7	86.9	10 200*	51.8	87.7	10 600*	53.4	88.7	11 300*	55.0	89.6	11 800	57.6	90.7	10 800							48.0
50.0	48.5	85.2	9 400*	49.7	86.0	9 800*	51.4	87.2	10 500*	53.0	88.1	11 100	55.6	89.4	10 200							50.0
52.0	46.3	83.3	8 600*	47.5	84.3	9 000*	49.2	85.5	9 600*	50.9	86.5	10 300*	53.6	87.9	9 500	56.1	88.9	8 600				52.0
54.0	44.0	81.3	8 000*	45.2	82.3	8 300*	47.0	83.7	8 900*	48.8	84.8	9 500*	51.5	86.4	8 900	54.1	87.5	8 100				54.0
56.0	41.5	79.1	7 400*	42.8	80.2	7 700*	44.7	81.7	8 200*	46.5	83.0	8 800*	49.4	84.7	8 400	52.1	85.9	7 500				56.0
58.0	39.0	76.7	6 800*	40.4	78.0	7 100*	42.3	79.6	7 500*	44.2	81.0	8 000*	47.2	82.9	7 800	50.0	84.3	7 000	52.5	85.2	6 200	58.0
60.0	36.3	74.1	6 300*	37.8	75.5	6 600*	39.8	77.3	7 000*	41.8	78.8	7 400*	44.9	81.0	7 300	47.8	82.5	6 500	50.4	83.6	5 800	60.0
62.0	33.4	71.2	5 800*	35.0	72.7	6 000*	37.2	74.7	6 500*	39.3	76.5	6 900*	42.5	78.9	6 800	45.5	80.6	6 100	48.3	81.9	5 400	62.0
64.0	30.3	68.0	5 400*	32.0	69.6	5 600*	34.4	71.9	5 900*	36.6	73.9	6 300*	40.0	76.5	6 300	43.2	78.6	5 600	46.0	80.0	4 900	64.0
66.0	26.8	64.2	5 000*	28.7	66.2	5 200*	31.3	68.8	5 500*	33.8	71.0	5 900*	37.4	74.0	5 900	40.7	76.3	5 200	43.7	77.9	4 500	66.0
68.0	22.9	59.9	4 600*	25.1	62.2	4 800*	28.0	65.2	5 100*	30.7	67.8	5 400*	34.6	71.2	5 500	38.1	73.8	4 900	41.2	75.7	4 200	68.0
70.0	18.2	54.4	4 300*	20.8	57.4	4 400*	24.2	61.1	4 700*	27.2	64.1	5 000*	31.6	68.1	5 200	35.4	71.1	4 500	38.7	73.3	3 900	70.0
72.0	11.7	46.8	3 400*	15.5	51.2	4 100*	19.8	56.1	4 300*	23.4	59.8	4 600*	28.3	64.6	4 800	32.4	68.1	4 200	36.0	70.7	3 600	72.0
74.0							14.1	49.4	4 000*	18.8	54.6	4 200*	24.6	60.5	4 500	29.2	64.7	3 900	33.1	67.7	3 300	74.0
76.0													20.2	55.6	4 200	25.6	60.8	3 600	29.9	64.4	3 000	76.0
78.0													14.6	49.1	3 900	21.4	56.1	3 300	26.4	60.6	2 700	78.0
80.0																16.3	50.2	3 100	22.4	56.1	2 500	80.0
82.0																8.4	40.8	2 800	17.5	50.5	2 300	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

30.5m (100 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	76.0	103.8	15 000*																			21.3
22.0	75.5	103.6	14 900*																			22.0
24.0	73.8	103.1	14 600*																			24.0
26.0	72.2	102.5	14 500*	73.1	102.7	16 600*																26.0
28.0	70.6	101.8	14 200*	71.4	102.1	16 400*																28.0
30.0	68.9	101.0	14 000*	69.8	101.3	16 200*																30.0
32.0	67.2	100.2	13 800*	68.1	100.6	16 000*	69.4	101.0	15 800*													32.0
34.0	65.5	99.3	13 600*	66.4	99.7	15 800*	67.7	100.2	15 600*													34.0
36.0	63.7	98.3	13 400*	64.7	98.8	15 600*	66.0	99.3	15 400*													36.0
38.0	62.0	97.3	13 200*	62.9	97.8	15 400*	64.3	98.4	15 300*	65.7	98.9	16 000										38.0
40.0	60.2	96.2	13 000*	61.1	96.7	14 800*	62.5	97.4	15 100*	63.9	97.9	14 900										40.0
42.0	58.3	95.0	12 300*	59.3	95.6	13 400*	60.8	96.3	14 600*	62.2	96.9	13 900										42.0
44.0	56.5	93.7	11 700*	57.5	94.3	12 300*	58.9	95.1	13 200*	60.4	95.8	13 000										44.0
46.0	54.6	92.3	10 800*	55.6	93.0	11 300*	57.1	93.8	12 100*	58.5	94.6	12 200	60.9	95.5	11 100							46.0
48.0	52.6	90.8	9 900*	53.7	91.5	10 400*	55.2	92.5	11 100*	56.7	93.3	11 400	59.1	94.3	10 400							48.0
50.0	50.6	89.2	9 100*	51.7	90.0	9 500*	53.3	91.0	10 200*	54.8	91.9	10 700	57.2	93.0	9 700							50.0
52.0	48.5	87.5	8 400*	49.6	88.3	8 800*	51.3	89.5	9 400*	52.8	90.4	10 000	55.3	91.7	9 100	57.7	92.5	8 200				52.0
54.0	46.4	85.6	7 700*	47.5	86.6	8 100*	49.2	87.8	8 600*	50.8	88.8	9 200*	53.4	90.2	8 500	55.8	91.2	7 700				54.0
56.0	44.2	83.6	7 100*	45.4	84.6	7 400*	47.1	86.0	7 900*	48.8	87.1	8 500*	51.4	88.7	8 000	53.9	89.8	7 100				56.0
58.0	41.9	81.5	6 500*	43.1	82.6	6 800*	44.9	84.0	7 300*	46.6	85.3	7 800*	49.4	87.0	7 500	51.9	88.2	6 600				58.0
60.0	39.5	79.1	6 000*	40.8	80.3	6 300*	42.6	81.9	6 700*	44.4	83.3	7 200*	47.3	85.2	7 000	49.9	86.6	6 200	52.4	87.5	5 500	60.0
62.0	36.9	76.5	5 600*	38.3	77.9	5 800*	40.3	79.6	6 200*	42.1	81.2	6 600*	45.1	83.3	6 600	47.8	84.8	5 800	50.4	85.9	5 000	62.0
64.0	34.2	73.7	5 100*	35.7	75.2	5 300*	37.8	77.1	5 700*	39.7	78.8	6 100*	42.8	81.2	6 100	45.7	82.9	5 300	48.3	84.2	4 600	64.0
66.0	31.3	70.6	4 700*	32.9	72.2	4 900*	35.1	74.4	5 200*	37.2	76.3	5 600*	40.4	78.9	5 700	43.4	80.9	4 900	46.1	82.3	4 300	66.0
68.0	28.1	67.0	4 300*	29.8	68.9	4 500*	32.2	71.3	4 800*	34.5	73.5	5 100*	38.0	76.4	5 300	41.1	78.7	4 600	43.9	80.3	3 900	68.0
70.0	24.5	62.9	4 000*	26.5	65.1	4 100*	29.1	67.9	4 400*	31.6	70.4	4 700*	35.3	73.7	4 900	38.6	76.2	4 200	41.6	78.1	3 600	70.0
72.0	20.3	58.0	3 600*	22.6	60.6	3 800*	25.7	64.0	4 100*	28.4	66.9	4 300*	32.5	70.7	4 600	36.0	73.6	3 900	39.2	75.7	3 200	72.0
74.0	15.1	51.6	3 200*	18.1	55.2	3 500*	21.8	59.4	3 700*	24.9	62.8	4 000*	29.4	67.3	4 200	33.2	70.6	3 600	36.6	73.1	3 000	74.0
76.0	6.5	40.8	2 000*	11.9	47.5	2 900*	17.0	53.6	3 400*	20.8	58.0	3 600*	26.0	63.5	3 900	30.2	67.4	3 300	33.8	70.2	2 700	76.0
78.0										15.8	51.9	3 300*	22.1	58.9	3 600	26.9	63.7	3 000	30.9	67.0	2 500	78.0
80.0													17.4	53.2	3 400	23.2	59.3	2 800	27.7	63.4	2 200	80.0
82.0													10.8	45.1	3 100*	18.7	54.0	2 500	24.0	59.2	2 000	82.0
84.0																12.9	46.8	2 300				84.0



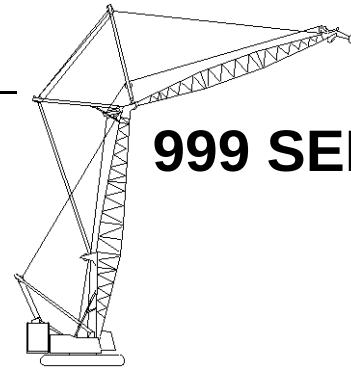
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

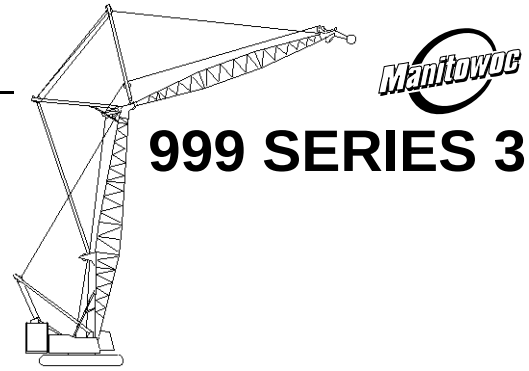


33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	66.7	55.4	58 900*b																			12.2
14.0	61.2	54.5	53 200*b	64.8	55.0	56 500*b																14.0
16.0	54.8	53.2	47 900*	58.6	53.9	50 700*b	64.0	54.7	55 200*b													16.0
18.0	47.8	51.5	43 600*	52.0	52.4	45 800*	57.8	53.5	49 600*	63.2	54.2	49 900b										18.0
20.0	39.9	49.4	40 000*	44.7	50.6	41 800*	51.1	52.0	45 000*	56.9	53.0	44 800										20.0
22.0	30.3	46.4	37 000*	36.2	48.2	38 500*	43.7	50.1	41 100*	50.1	51.5	40 600	59.6	52.9	38 500b							22.0
24.0	16.0	41.5	30 500*	25.3	44.7	35 700*	35.0	47.6	37 800*	42.6	49.5	37 000	53.1	51.5	35 000							24.0
26.0										33.7	46.9	33 400	45.9	49.7	31 700	55.6	51.1	30 000				26.0
28.0										21.6	42.9	30 300	37.6	47.4	28 800	48.7	49.5	27 200				28.0
30.0													27.3	44.1	26 300	41.0	47.5	24 900				30.0
32.0													9.0	37.6	24 100	31.7	44.6	22 900	43.7	47.1	21 500	32.0
34.0																			35.1	44.5	19 800	34.0
36.0																			23.8	40.8	18 400	36.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	69.7	58.7	57 200*b																			12.2
14.0	65.1	57.9	51 800*b	68.1	58.4	55 000*b																14.0
16.0	59.8	56.8	46 700*	62.9	57.4	49 400*b	67.5	58.1	53 800*b													16.0
18.0	54.1	55.5	42 500*	57.4	56.2	44 800*	62.2	57.1	48 400*													18.0
20.0	48.0	53.8	39 000*	51.6	54.7	40 900*	56.7	55.8	44 000*	61.5	56.6	43 800										20.0
22.0	41.1	51.7	36 000*	45.2	52.9	37 600*	50.8	54.3	40 200*	56.0	55.4	39 700										22.0
24.0	33.2	49.0	33 400*	38.0	50.6	34 800*	44.4	52.4	37 000*	50.0	53.8	36 200	58.3	55.2	34 300							24.0
26.0	22.9	45.1	30 600*	29.3	47.5	32 300*	37.0	50.0	34 200	43.4	51.9	33 100	52.6	53.8	31 400							26.0
28.0							28.0	46.8	31 100	35.9	49.4	30 100	46.3	52.0	28 500	54.8	53.5	26 900				28.0
30.0							14.5	41.4	27 200	26.6	46.0	27 500	39.2	49.8	26 000	48.8	51.8	24 500				30.0
32.0										11.4	39.8	25 300	30.8	46.9	23 900	42.1	49.8	22 500	50.9	51.3	21 200	32.0
34.0													19.4	42.4	22 000	34.3	47.2	20 700	44.4	49.4	19 500	34.0
36.0																24.4	43.5	19 200	37.1	47.0	18 000	36.0
38.0																			28.2	43.7	16 700	38.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	72.1	61.9	55 700*b																			12.2
14.0	68.0	61.3	50 500*b	70.7	61.6	53 600*b																14.0
16.0	63.4	60.3	45 700*	66.1	60.8	48 400*b																16.0
18.0	58.6	59.2	41 700*	61.5	59.8	43 900*	65.6	60.5	47 500*													18.0
20.0	53.5	57.8	38 200*	56.5	58.6	40 100*	60.8	59.4	43 300*	64.9	60.1	43 000										20.0
22.0	48.1	56.1	35 300*	51.3	57.1	36 900*	55.9	58.2	39 600*	60.2	59.0	38 900										22.0
24.0	42.1	54.1	32 700*	45.7	55.2	34 100*	50.6	56.6	36 400*	55.2	57.7	35 500										24.0
26.0	35.3	51.5	30 500*	39.4	53.0	31 700*	44.9	54.8	33 700	49.9	56.1	32 600	57.3	57.6	30 800							26.0
28.0	27.0	48.1	27 600*	32.1	50.1	29 400*	38.5	52.5	30 900	44.1	54.2	29 900	52.2	56.1	28 300							28.0
30.0	14.8	42.6	23 400*	22.7	46.1	26 500*	31.0	49.5	28 200	37.6	51.8	27 300	46.6	54.4	25 800	54.2	55.8	24 300				30.0
32.0							21.3	45.3	25 900	29.9	48.7	25 100	40.4	52.2	23 600	48.8	54.1	22 300				32.0
34.0										19.6	44.2	23 100	33.3	49.4	21 800	42.9	52.1	20 500	50.7	53.6	19 200	34.0
36.0													24.4	45.7	20 200	36.2	49.6	19 000	45.0	51.7	17 800	36.0
38.0													9.3	38.7	18 800	28.2	46.4	17 600	38.6	49.4	16 500	38.0
40.0																			31.1	46.4	15 300	40.0
42.0																			21.4	42.2	14 300	42.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.9	65.1	53 500*b																			12.2
14.0	70.3	64.5	49 100*b	72.7	64.9	52 100*b																14.0
16.0	66.3	63.7	44 500*	68.7	64.1	47 100*b																16.0
18.0	62.1	62.7	40 600*	64.6	63.2	42 900*	68.2	63.8	46 400*													18.0
20.0	57.7	61.5	37 300*	60.3	62.2	39 200*	64.0	62.9	42 300*	67.6	63.4	42 100										20.0
22.0	53.1	60.1	34 400*	55.8	60.9	36 100*	59.7	61.8	38 700*	63.4	62.5	38 100										22.0
24.0	48.2	58.4	32 000*	51.1	59.4	33 400*	55.2	60.5	35 700*	59.1	61.3	34 700										24.0
26.0	42.8	56.4	29 800*	46.0	57.5	31 000*	50.5	58.9	33 000	54.6	60.0	31 900	61.0	61.2	30 000							26.0
28.0	36.9	53.9	27 000*	40.4	55.4	28 900*	45.3	57.1	30 500	49.8	58.4	29 400	56.5	59.9	27 700							28.0
30.0	29.9	50.8	24 400*	34.1	52.7	26 300*	39.7	54.8	28 000	44.6	56.5	27 000	51.9	58.4	25 400							30.0
32.0	20.9	46.5	22 600*	26.5	49.1	23 900*	33.2	52.1	25 700	38.9	54.2	24 800	46.8	56.7	23 300	53.7	58.1	21 900				32.0
34.0							25.4	48.4	23 700	32.3	51.3	22 800	41.4	54.5	21 500	48.8	56.4	20 200				34.0
36.0							13.7	42.5	20 800*	24.1	47.5	21 200	35.2	51.9	19 900	43.5	54.5	18 600	50.5	55.9	17 400	36.0
38.0										11.2	40.9	19 700	27.8	48.6	18 400	37.7	52.1	17 200	45.4	54.0	16 100	38.0
40.0													17.8	43.7	17 200	30.9	49.1	16 100	39.8	51.8	14 900	40.0
42.0																22.2	44.9	15 000				42.0
44.0																			25.5	45.3	13 000	44.0



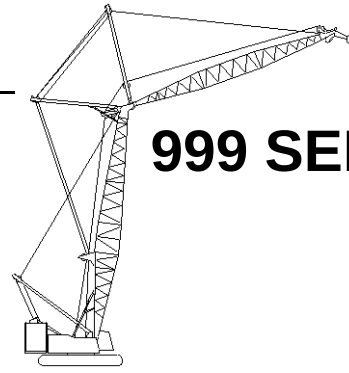
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

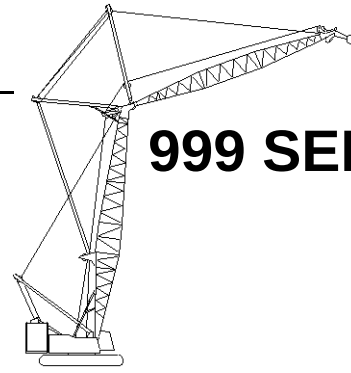
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.4	68.3	52 000*																			12.2
14.0	72.2	67.8	47 600*																			14.0
16.0	68.6	67.0	43 400*	70.7	67.4	45 900*																16.0
18.0	64.8	66.1	39 700*	67.0	66.6	41 900*																18.0
20.0	61.0	65.1	36 500*	63.2	65.6	38 400*	66.5	66.3	41 300*													20.0
22.0	56.9	63.9	33 700*	59.3	64.5	35 400*	62.7	65.3	38 000*	66.0	65.9	37 500										22.0
24.0	52.7	62.4	31 300*	55.2	63.2	32 700*	58.8	64.2	35 000*	62.2	64.9	34 200										24.0
26.0	48.2	60.7	29 200*	50.9	61.7	30 500*	54.7	62.8	32 400	58.2	63.7	31 400										26.0
28.0	43.4	58.7	26 900*	46.3	59.8	28 400*	50.3	61.2	30 000	54.1	62.3	29 000	59.9	63.5	27 200							28.0
30.0	38.1	56.4	24 100*	41.3	57.7	26 200*	45.7	59.4	27 800	49.7	60.7	26 800	55.9	62.2	25 200							30.0
32.0	32.1	53.4	21 900*	35.7	55.1	23 800*	40.6	57.2	25 600	45.0	58.8	24 700	51.6	60.7	23 200	57.5	61.8	21 700				32.0
34.0	24.7	49.6	20 100*	29.2	51.9	21 800*	34.9	54.6	23 500	39.9	56.6	22 700	47.0	59.0	21 400	53.3	60.4	20 000				34.0
36.0	14.1	43.7	17 900*	20.9	47.5	20 000*	28.3	51.2	21 600*	34.1	53.9	21 000	42.1	56.9	19 700	48.8	58.7	18 500				36.0
38.0							19.6	46.6	19 900*	27.3	50.4	19 600	36.6	54.4	18 300	44.1	56.8	17 100				38.0
40.0										18.2	45.5	18 200	30.3	51.3	17 100	38.8	54.5	15 900	45.7	56.3	14 800	40.0
42.0													22.5	47.1	16 000	32.9	51.6	14 800	40.7	54.1	13 800	42.0
44.0													9.5	39.8	15 000	25.8	48.0	13 900	35.0	51.5	12 900	44.0
46.0																			28.4	48.2	12 000	46.0
48.0																			19.8	43.6	11 300	48.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
13.7	74.2	71.1	46 700*																		13.7		
14.0	73.7	71.0	46 100*																		14.0		
16.0	70.4	70.3	42 100*	72.4	70.6	44 500*															16.0		
18.0	67.1	69.5	38 700*	69.0	69.9	40 800*															18.0		
20.0	63.6	68.6	35 600*	65.6	69.0	37 500*	68.6	69.6	40 300*												20.0		
22.0	60.0	67.5	32 900*	62.1	68.0	34 500*	65.2	68.7	37 100*												22.0		
24.0	56.3	66.2	30 600*	58.5	66.9	32 000*	61.7	67.7	34 300*	64.7	68.3	33 700									24.0		
26.0	52.4	64.7	28 500*	54.7	65.5	29 800*	58.0	66.5	31 800*	61.2	67.2	30 900									26.0		
28.0	48.3	63.0	26 500*	50.7	64.0	27 800*	54.2	65.1	29 500	57.5	66.0	28 500									28.0		
30.0	43.9	61.1	23 900*	46.5	62.2	26 000*	50.2	63.5	27 500	53.7	64.6	26 400	59.1	65.9	24 800						30.0		
32.0	39.1	58.7	21 600*	42.0	60.1	23 800*	46.0	61.7	25 500	49.7	63.0	24 600	55.3	64.5	23 000						32.0		
34.0	33.8	56.0	19 700*	37.0	57.6	21 800*	41.4	59.6	23 500	45.4	61.1	22 600	51.4	63.0	21 200	56.8	64.1	19 800			34.0		
36.0	27.5	52.5	18 100*	31.3	54.6	20 000*	36.3	57.0	21 500*	40.7	58.9	20 900	47.2	61.3	19 600	52.9	62.7	18 300			36.0		
38.0	19.4	47.8	17 000*	24.5	50.7	18 500*	30.5	53.9	19 800*	35.6	56.3	19 400	42.7	59.2	18 200	48.9	61.0	17 000			38.0		
40.0							23.5	49.9	18 300*	29.7	53.1	18 100	37.8	56.8	16 900	44.5	59.1	15 700	50.3	60.5	14 600	40.0	
42.0							13.1	43.6	16 300*	22.3	48.9	16 900	32.3	53.9	15 800	39.8	56.9	14 700	46.0	58.6	13 600	42.0	
44.0										11.0	42.0	15 900		25.7	50.2	14 800	34.5	54.2	13 700	41.4	56.5	12 700	44.0
46.0													16.8	44.9	13 800		28.4	50.8	12 800	36.4	54.0	11 900	46.0
48.0																	20.7	46.3	12 100	30.6	50.9	11 100	48.0
50.0																				23.6	46.8	10 400	50.0



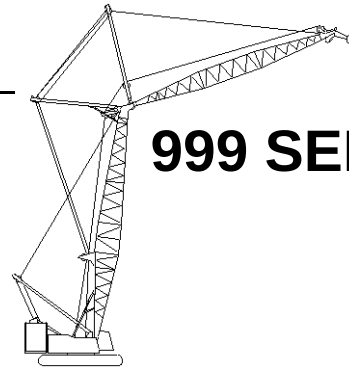
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

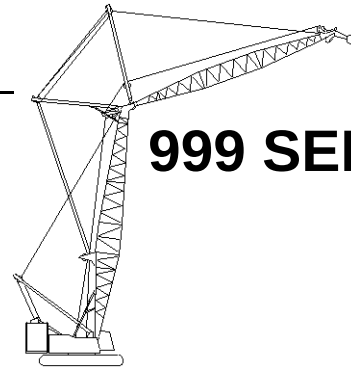
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.4	74.2	42 800*																			13.7
14.0	75.0	74.1	42 600*																			14.0
16.0	72.0	73.5	41 100*																			16.0
18.0	68.9	72.8	37 800*	70.7	73.2	39 800*																18.0
20.0	65.8	71.9	34 800*	67.6	72.4	36 700*	70.3	72.9	39 300*													20.0
22.0	62.5	70.9	32 300*	64.4	71.5	33 900*	67.2	72.1	36 300*													22.0
24.0	59.2	69.8	30 000*	61.2	70.4	31 400*	64.0	71.1	33 600*													24.0
26.0	55.8	68.5	28 000*	57.8	69.2	29 300*	60.7	70.1	31 200	63.6	70.7	30 300										26.0
28.0	52.2	67.0	26 100*	54.3	67.8	27 300*	57.3	68.8	29 000	60.3	69.6	27 900										28.0
30.0	48.4	65.3	23 800*	50.6	66.3	25 600*	53.8	67.4	26 900	56.9	68.4	25 900										30.0
32.0	44.3	63.4	21 500*	46.7	64.5	23 500*	50.1	65.8	25 000	53.3	66.9	24 000	58.3	68.2	22 500							32.0
34.0	40.0	61.1	19 600*	42.6	62.4	21 500*	46.2	64.0	23 300	49.6	65.3	22 400	54.8	66.9	20 900							34.0
36.0	35.2	58.5	17 900*	38.0	60.0	19 700*	42.0	61.9	21 300*	45.7	63.4	20 700	51.2	65.3	19 400	56.2	66.5	18 100				36.0
38.0	29.7	55.2	16 500*	33.0	57.1	18 200*	37.4	59.4	19 500*	41.4	61.3	19 200	47.3	63.6	17 900	52.6	65.0	16 700				38.0
40.0	23.0	51.1	15 500*	27.1	53.6	16 900*	32.3	56.5	18 000*	36.8	58.8	17 900	43.2	61.6	16 700	48.9	63.3	15 500				40.0
42.0	13.5	44.8	14 000*	19.6	48.8	15 600*	26.3	52.9	16 600*	31.5	55.8	16 700	38.8	59.2	15 500	44.9	61.4	14 400	50.2	62.8	13 400	42.0
44.0							18.5	47.9	15 500*	25.3	52.0	15 600	33.8	56.4	14 500	40.5	59.2	13 500	46.3	60.9	12 400	44.0
46.0										17.1	46.7	14 700	28.1	53.0	13 600	35.8	56.6	12 600	42.1	58.8	11 600	46.0
48.0													21.0	48.5	12 800	30.4	53.5	11 800	37.5	56.4	10 800	48.0
50.0													9.6	40.9	12 000	24.0	49.5	11 100	32.3	53.5	10 200	50.0
52.0																			26.3	49.8	9 600	52.0
54.0																			18.6	44.8	9 000	54.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.4	77.0	38 200*																			15.2
16.0	73.3	76.7	37 900*																			16.0
18.0	70.5	76.1	36 500*	72.2	76.4	38 500*																18.0
20.0	67.6	75.3	33 900*	69.3	75.7	35 700*																20.0
22.0	64.7	74.4	31 500*	66.4	74.8	33 000*	68.9	75.4	35 400*													22.0
24.0	61.6	73.3	29 300*	63.4	73.9	30 700*	66.0	74.5	32 800*													24.0
26.0	58.5	72.2	27 400*	60.3	72.8	28 600*	63.0	73.5	30 600	65.6	74.1	29 600										26.0
28.0	55.3	70.8	25 600*	57.2	71.5	26 700*	59.9	72.4	28 400	62.6	73.1	27 300										28.0
30.0	51.9	69.3	23 600*	53.9	70.1	25 000*	56.8	71.2	26 300	59.5	72.0	25 300										30.0
32.0	48.4	67.6	21 300*	50.5	68.6	23 300*	53.5	69.7	24 400	56.3	70.7	23 400	60.8	71.8	21 900							32.0
34.0	44.7	65.7	19 400*	46.9	66.8	21 200*	50.0	68.1	22 800	53.0	69.2	21 900	57.7	70.6	20 400							34.0
36.0	40.7	63.5	17 800*	43.0	64.7	19 400*	46.4	66.3	21 000*	49.6	67.6	20 400	54.4	69.2	19 000							36.0
38.0	36.3	60.9	16 300*	38.9	62.4	17 900*	42.5	64.2	19 200*	45.9	65.8	18 900	51.0	67.6	17 600	55.7	68.8	16 300				38.0
40.0	31.4	57.9	15 100*	34.3	59.6	16 500*	38.3	61.8	17 700*	42.0	63.6	17 600	47.5	65.9	16 300	52.4	67.3	15 200				40.0
42.0	25.7	54.1	14 100*	29.2	56.3	15 300*	33.7	59.0	16 400*	37.8	61.2	16 400	43.7	63.9	15 200	48.9	65.6	14 100				42.0
44.0	18.4	49.0	13 400*	22.9	52.1	14 200*	28.4	55.7	15 200*	33.1	58.3	15 300	39.6	61.6	14 200	45.2	63.7	13 100	50.1	65.1	12 100	44.0
46.0							22.0	51.3	14 100*	27.7	54.8	14 300	35.1	58.9	13 300	41.2	61.6	12 300	46.5	63.2	11 200	46.0
48.0							12.7	44.7	12 700*	21.0	50.3	13 500	30.0	55.7	12 400	36.9	59.1	11 400	42.6	61.2	10 500	48.0
50.0										10.9	43.1	12 700	24.0	51.7	11 700	32.1	56.1	10 700	38.4	58.8	9 800	50.0
52.0													16.0	46.0	11 000	26.5	52.4	10 100	33.8	56.0	9 200	52.0
54.0																19.5	47.6	9 500	28.5	52.6	8 600	54.0
56.0																			22.1	48.3	8 100	56.0



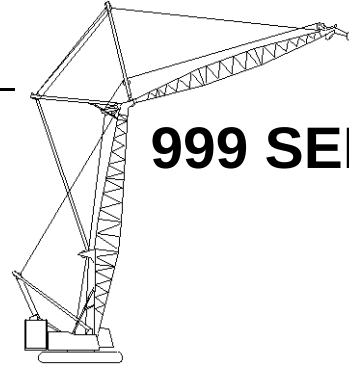
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

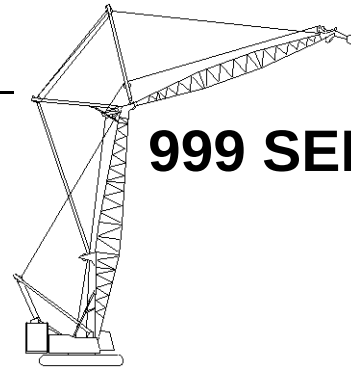
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	80.1	34 700*																			15.2
16.0	74.5	79.9	34 400*																			16.0
18.0	71.8	79.3	33 800*																			18.0
20.0	69.2	78.6	33 000*	70.7	78.9	34 700*																20.0
22.0	66.5	77.7	30 700*	68.1	78.1	32 200*																22.0
24.0	63.7	76.8	28 600*	65.3	77.3	30 000*	67.7	77.8	32 100*													24.0
26.0	60.8	75.7	26 700*	62.5	76.3	28 000*	65.0	76.9	29 900*	67.3	77.4	29 200										26.0
28.0	57.9	74.5	25 100*	59.6	75.1	26 200*	62.1	75.9	27 900	64.6	76.5	26 900										28.0
30.0	54.9	73.1	23 300*	56.7	73.9	24 600*	59.3	74.8	25 900	61.8	75.5	24 900										30.0
32.0	51.7	71.6	21 300*	53.6	72.4	23 100*	56.3	73.5	24 000	58.9	74.3	23 100	63.0	75.2	21 500							32.0
34.0	48.4	69.9	19 400*	50.4	70.9	21 100*	53.2	72.0	22 500	55.9	73.0	21 500	60.1	74.1	20 100							34.0
36.0	45.0	68.0	17 800*	47.0	69.1	19 300*	50.0	70.4	20 900	52.8	71.5	20 100	57.1	72.9	18 700							36.0
38.0	41.3	65.8	16 300*	43.5	67.1	17 700*	46.6	68.6	19 100*	49.5	69.9	18 800	54.1	71.5	17 500							38.0
40.0	37.3	63.3	15 100*	39.7	64.8	16 400*	43.0	66.6	17 500*	46.1	68.1	17 400	50.9	69.9	16 200	55.3	71.1	15 000				40.0
42.0	32.9	60.4	14 000*	35.5	62.1	15 100*	39.1	64.2	16 200*	42.5	66.0	16 200	47.6	68.2	15 100	52.2	69.6	13 900				42.0
44.0	27.8	57.0	13 100*	30.9	59.0	14 100*	34.9	61.5	15 000*	38.6	63.6	15 200	44.0	66.2	14 100	48.9	67.9	13 000				44.0
46.0	21.7	52.5	12 300*	25.4	55.2	13 100*	30.2	58.3	13 900*	34.3	60.8	14 200	40.3	63.9	13 100	45.4	66.1	12 100	50.0	67.4	11 100	46.0
48.0	13.1	45.9	11 100*	18.6	50.1	12 200*	24.7	54.4	13 000*	29.5	57.6	13 300	36.2	61.4	12 300	41.8	63.9	11 300	46.6	65.5	10 300	48.0
50.0							17.6	49.1	12 100*	23.8	53.5	12 500	31.6	58.3	11 500	37.8	61.5	10 600	43.0	63.5	9 700	50.0
52.0										16.4	47.9	11 800	26.4	54.7	10 900	33.4	58.6	9 900	39.2	61.2	9 100	52.0
54.0													19.9	49.9	10 200	28.5	55.2	9 300	35.0	58.5	8 500	54.0
56.0													9.7	42.0	9 700	22.6	51.0	8 800	30.3	55.3	7 900	56.0
58.0																			24.8	51.4	7 500	58.0
60.0																			17.7	46.1	7 000	60.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	82.9	31 200*																			16.8
18.0	73.0	82.5	30 800*																			18.0
20.0	70.5	81.8	30 200*	72.0	82.1	33 600*																20.0
22.0	68.0	81.0	29 500*	69.5	81.4	31 300*																22.0
24.0	65.5	80.2	27 900*	67.0	80.6	29 200*	69.2	81.1	31 200*													24.0
26.0	62.8	79.2	26 100*	64.4	79.7	27 300*	66.6	80.3	29 100*													26.0
28.0	60.1	78.1	24 400*	61.7	78.6	25 600*	64.0	79.4	27 200*	66.3	79.9	26 500										28.0
30.0	57.4	76.8	22 800*	59.0	77.5	24 000*	61.4	78.3	25 500	63.7	78.9	24 500										30.0
32.0	54.5	75.5	21 000*	56.2	76.2	22 500*	58.6	77.1	23 800	61.0	77.9	22 800										32.0
34.0	51.6	73.9	19 300*	53.3	74.8	21 200*	55.8	75.8	22 100	58.3	76.7	21 200	62.1	77.6	19 800							34.0
36.0	48.5	72.2	17 700*	50.3	73.2	19 400*	52.9	74.4	20 700	55.5	75.3	19 800	59.4	76.5	18 400							36.0
38.0	45.2	70.3	16 300*	47.2	71.4	17 800*	49.9	72.7	19 200	52.5	73.9	18 600	56.7	75.2	17 200							38.0
40.0	41.8	68.2	15 000*	43.8	69.4	16 400*	46.7	70.9	17 600*	49.5	72.2	17 400	53.8	73.8	16 100							40.0
42.0	38.1	65.7	13 900*	40.3	67.1	15 100*	43.4	68.9	16 200*	46.3	70.4	16 200	50.8	72.2	15 000	54.9	73.4	13 900				42.0
44.0	34.1	63.0	12 900*	36.5	64.6	14 000*	39.8	66.6	15 000*	42.9	68.3	15 100	47.7	70.5	14 000	52.0	71.9	12 900				44.0
46.0	29.5	59.7	12 100*	32.3	61.6	13 000*	36.0	64.0	13 900*	39.3	66.0	14 200	44.4	68.5	13 100	48.9	70.2	12 000				46.0
48.0	24.3	55.7	11 400*	27.5	58.0	12 100*	31.7	61.0	12 900*	35.4	63.3	13 300	40.9	66.3	12 200	45.7	68.4	11 200	49.9	69.7	10 200	48.0
50.0	17.5	50.3	10 700*	21.7	53.6	11 400*	26.8	57.3	12 000*	31.1	60.2	12 400	37.1	63.8	11 400	42.2	66.3	10 500	46.8	67.8	9 500	50.0
52.0							20.9	52.7	11 200*	26.1	56.5	11 700	33.0	60.9	10 800	38.6	63.9	9 800	43.4	65.8	8 900	52.0
54.0							12.4	45.8	10 200*	19.9	51.6	11 000	28.3	57.4	10 100	34.6	61.1	9 200	39.9	63.5	8 300	54.0
56.0										10.8	44.1	10 200	22.7	53.2	9 500	30.2	57.9	8 700	36.0	60.9	7 800	56.0
58.0													15.3	47.2	9 000	25.0	54.0	8 100	31.7	57.9	7 300	58.0
60.0																18.5	48.9	7 700	26.9	54.3	6 900	60.0
62.0																			20.9	49.7	6 500	62.0
64.0																			12.6	42.8	6 100	64.0



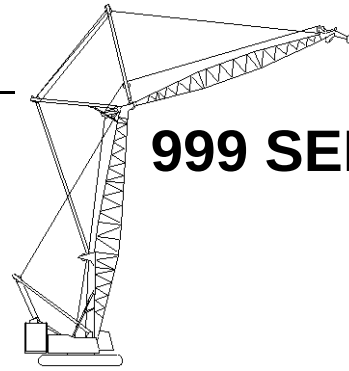
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

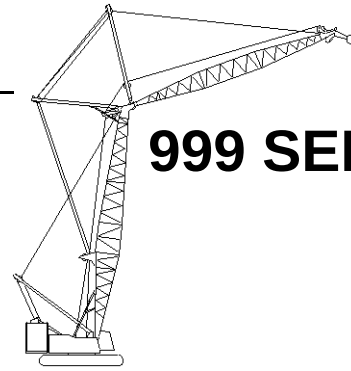
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.5	86.0	28 500*																			16.8
18.0	74.0	85.7	28 100*																			18.0
20.0	71.7	85.0	27 700*	73.1	85.3	32 000*																20.0
22.0	69.4	84.3	27 200*	70.8	84.7	30 600*																22.0
24.0	67.0	83.5	26 700*	68.4	83.9	28 500*																24.0
26.0	64.6	82.6	25 500*	66.0	83.1	26 700*	68.1	83.6	28 400*													26.0
28.0	62.1	81.6	24 000*	63.5	82.1	25 000*	65.7	82.7	26 700*													28.0
30.0	59.5	80.4	22 400*	61.0	81.0	23 500*	63.2	81.8	25 000	65.3	82.3	24 100										30.0
32.0	56.9	79.2	20 600*	58.4	79.8	22 100*	60.7	80.7	23 300	62.9	81.3	22 300										32.0
34.0	54.2	77.8	19 000*	55.8	78.5	20 800*	58.1	79.5	21 700	60.3	80.2	20 800										34.0
36.0	51.4	76.2	17 500*	53.1	77.1	19 200*	55.5	78.1	20 200	57.8	79.0	19 400	61.4	80.0	18 000							36.0
38.0	48.5	74.5	16 200*	50.2	75.5	17 500*	52.7	76.7	18 900	55.1	77.6	18 200	58.9	78.8	16 800							38.0
40.0	45.5	72.6	14 900*	47.3	73.7	16 200*	49.9	75.0	17 400*	52.3	76.2	17 000	56.2	77.5	15 700							40.0
42.0	42.2	70.5	13 800*	44.2	71.7	14 900*	46.9	73.2	16 000*	49.5	74.5	16 000	53.5	76.1	14 700							42.0
44.0	38.8	68.1	12 900*	40.8	69.5	13 800*	43.7	71.2	14 800*	46.5	72.7	14 900	50.7	74.5	13 800	54.6	75.7	12 600				44.0
46.0	35.1	65.4	12 000*	37.3	67.0	12 800*	40.4	69.0	13 600*	43.3	70.6	13 900	47.7	72.8	12 800	51.8	74.2	11 800				46.0
48.0	31.0	62.3	11 200*	33.4	64.1	11 900*	36.8	66.4	12 600*	39.9	68.4	13 000	44.7	70.8	12 000	48.9	72.5	10 900				48.0
50.0	26.3	58.6	10 600*	29.1	60.8	11 100*	32.9	63.5	11 800*	36.3	65.8	12 200	41.4	68.7	11 200	45.9	70.7	10 200	49.9	72.0	9 300	50.0
52.0	20.7	53.9	9 900*	24.1	56.7	10 400*	28.5	60.1	10 900*	32.4	62.8	11 500	37.9	66.2	10 500	42.7	68.6	9 600	46.9	70.2	8 600	52.0
54.0	12.8	47.0	8 700*	17.8	51.4	9 600*	23.4	55.9	10 300*	27.9	59.3	10 800	34.1	63.4	9 900	39.3	66.2	9 000	43.8	68.1	8 100	54.0
56.0							16.8	50.3	9 600*	22.6	55.0	10 100	29.9	60.1	9 300	35.6	63.6	8 400	40.5	65.9	7 600	56.0
58.0										15.7	49.1	9 500*	25.0	56.2	8 700	31.5	60.5	7 900	36.9	63.4	7 100	58.0
60.0													18.9	51.1	8 300	27.0	56.9	7 400	33.0	60.5	6 600	60.0
62.0													9.7	43.1	7 800	21.5	52.4	7 000	28.6	57.0	6 200	62.0
64.0																14.0	45.9	6 600	23.5	52.9	5 800	64.0
66.0																			16.9	47.3	5 500	66.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

33.5m (110 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.6	88.8	25 600*																			18.3
20.0	72.8	88.3	25 300*																			20.0
22.0	70.6	87.6	24 900*	71.9	87.9	28 800*																22.0
24.0	68.3	86.8	24 500*	69.6	87.2	27 800*																24.0
26.0	66.1	86.0	24 100*	67.4	86.4	26 000*	69.4	86.9	27 500*													26.0
28.0	63.7	85.0	23 400*	65.1	85.5	24 400*	67.1	86.1	25 900*													28.0
30.0	61.4	83.9	21 700*	62.8	84.5	22 900*	64.8	85.2	24 400*	66.8	85.7	23 500										30.0
32.0	59.0	82.8	20 100*	60.4	83.4	21 600*	62.5	84.1	22 700	64.5	84.7	21 800										32.0
34.0	56.5	81.5	18 700*	57.9	82.2	20 300*	60.1	83.0	21 200	62.1	83.7	20 200										34.0
36.0	53.9	80.1	17 300*	55.4	80.8	19 000*	57.6	81.8	19 700	59.8	82.6	18 900										36.0
38.0	51.3	78.5	16 000*	52.8	79.4	17 300*	55.1	80.5	18 500	57.3	81.3	17 700	60.8	82.4	16 300							38.0
40.0	48.5	76.8	14 900*	50.2	77.8	15 900*	52.5	79.0	17 100*	54.8	80.0	16 500	58.3	81.2	15 200							40.0
42.0	45.7	74.9	13 800*	47.4	76.0	14 600*	49.8	77.3	15 700*	52.1	78.5	15 500	55.8	79.9	14 300							42.0
44.0	42.6	72.8	12 800*	44.4	74.0	13 500*	47.0	75.5	14 500*	49.4	76.8	14 600	53.3	78.4	13 400							44.0
46.0	39.4	70.5	11 900*	41.3	71.8	12 500*	44.0	73.5	13 400*	46.6	75.0	13 600	50.6	76.8	12 500	54.3	78.1	11 400				46.0
48.0	36.0	67.9	11 100*	38.0	69.4	11 600*	40.9	71.3	12 400*	43.6	73.0	12 700	47.8	75.1	11 700	51.6	76.5	10 600				48.0
50.0	32.2	64.9	10 300*	34.5	66.6	10 800*	37.6	68.8	11 500*	40.5	70.7	11 900	44.9	73.1	10 900	48.9	74.8	9 900				50.0
52.0	28.0	61.4	9 600*	30.5	63.4	10 000*	34.0	66.0	10 700*	37.1	68.2	11 200	41.8	71.0	10 200	46.0	73.0	9 200	49.8	74.3	8 300	52.0
54.0	23.1	57.1	9 000*	26.1	59.6	9 400*	30.0	62.8	9 900*	33.5	65.3	10 500	38.6	68.6	9 600	43.0	70.9	8 600	47.0	72.5	7 800	54.0
56.0	16.9	51.5	8 300*	20.7	54.9	8 800*	25.4	58.9	9 300*	29.4	62.0	9 800	35.1	65.9	9 000	39.9	68.6	8 100	44.1	70.5	7 200	56.0
58.0							19.9	54.0	8 700*	24.8	58.0	9 200*	31.2	62.8	8 400	36.5	66.0	7 500	41.0	68.3	6 700	58.0
60.0							12.2	46.9	7 900*	19.1	52.9	8 600*	26.8	59.1	7 900	32.7	63.1	7 100	37.6	65.8	6 300	60.0
62.0										10.7	45.2	7 900*	21.7	54.6	7 500	28.6	59.7	6 700	34.0	63.0	5 900	62.0
64.0													14.8	48.4	7 000	23.8	55.5	6 300	30.1	59.7	5 500	64.0
66.0																17.8	50.1	5 900	25.5	55.9	5 100	66.0
68.0																			20.0	51.0	4 800	68.0
70.0																			12.3	43.9	4 500	70.0



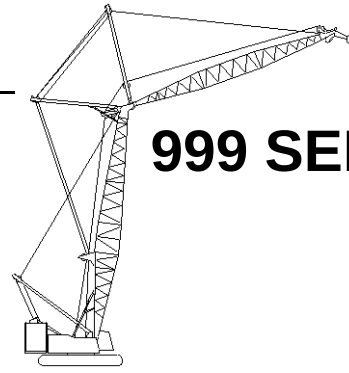
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

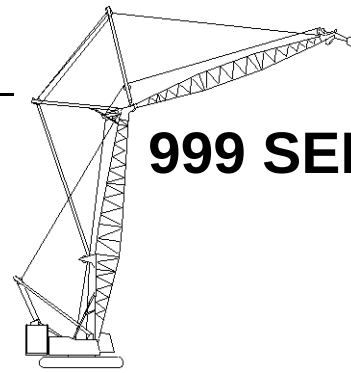
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



33.5m (110 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.5	91.9	23 000*																			18.3
20.0	73.7	91.4	22 800*																			20.0
22.0	71.6	90.8	22 600*	72.8	91.1	25 800*																22.0
24.0	69.5	90.1	22 300*	70.8	90.4	25 600*																24.0
26.0	67.4	89.3	21 900*	68.6	89.7	25 300*	70.5	90.1	24 600*													26.0
28.0	65.2	88.4	21 500*	66.5	88.8	23 800*	68.4	89.4	24 600*													28.0
30.0	63.0	87.4	21 000*	64.3	87.9	22 400*	66.2	88.5	23 900*													30.0
32.0	60.8	86.3	19 700*	62.1	86.9	21 100*	64.0	87.6	22 400	65.9	88.1	21 400										32.0
34.0	58.5	85.1	18 400*	59.8	85.7	19 900*	61.8	86.5	20 800	63.7	87.1	19 900										34.0
36.0	56.1	83.8	17 100*	57.5	84.5	18 700*	59.5	85.4	19 400	61.5	86.1	18 600										36.0
38.0	53.7	82.4	15 900*	55.1	83.2	17 100*	57.2	84.1	18 200	59.2	84.9	17 300										38.0
40.0	51.2	80.8	14 800*	52.6	81.7	15 700*	54.8	82.8	17 000	56.9	83.7	16 200	60.2	84.7	14 900							40.0
42.0	48.6	79.1	13 800*	50.1	80.1	14 400*	52.3	81.3	15 500*	54.5	82.3	15 200	57.9	83.5	14 000							42.0
44.0	45.8	77.2	12 700*	47.4	78.3	13 300*	49.8	79.6	14 300*	52.0	80.8	14 300	55.5	82.2	13 100							44.0
46.0	43.0	75.2	11 800*	44.7	76.3	12 300*	47.1	77.8	13 200*	49.4	79.1	13 400	53.0	80.7	12 300	56.4	81.8	11 200				46.0
48.0	40.0	72.9	10 900*	41.8	74.2	11 400*	44.3	75.9	12 200*	46.7	77.3	12 600	50.5	79.1	11 500	54.0	80.4	10 500				48.0
50.0	36.8	70.3	10 200*	38.7	71.8	10 600*	41.4	73.7	11 300*	43.9	75.3	11 800	47.9	77.4	10 800	51.5	78.8	9 800				50.0
52.0	33.3	67.4	9 500*	35.4	69.1	9 900*	38.3	71.2	10 500*	41.0	73.1	11 000	45.1	75.5	10 000	48.9	77.1	9 100	52.4	78.2	8 200	52.0
54.0	29.5	64.1	8 800*	31.7	66.0	9 200*	34.9	68.5	9 700*	37.8	70.6	10 300	42.2	73.3	9 400	46.2	75.3	8 500	49.8	76.6	7 600	54.0
56.0	25.1	60.2	8 200*	27.7	62.5	8 500*	31.3	65.4	9 100*	34.4	67.8	9 700	39.2	71.0	8 800	43.4	73.2	7 900	47.1	74.8	7 100	56.0
58.0	19.8	55.2	7 700*	23.0	58.2	8 000*	27.2	61.8	8 500*	30.7	64.6	9 000*	35.9	68.3	8 300	40.4	71.0	7 400	44.4	72.8	6 600	58.0
60.0	12.5	48.1	6 700*	17.2	52.6	7 400*	22.4	57.3	7 900*	26.6	60.9	8 400*	32.3	65.3	7 700	37.2	68.5	6 900	41.4	70.6	6 100	60.0
62.0							16.2	51.5	7 400*	21.6	56.4	7 800*	28.4	61.9	7 300	33.8	65.6	6 500	38.3	68.2	5 700	62.0
64.0							5.2	40.5	6 200*	15.2	50.2	7 300*	23.8	57.7	6 900	30.0	62.3	6 100	35.0	65.4	5 300	64.0
66.0													18.2	52.4	6 500	25.7	58.5	5 700	31.3	62.3	5 000	66.0
68.0													9.8	44.2	6 100	20.6	53.7	5 400	27.2	58.7	4 600	68.0
70.0																13.7	47.1	5 000	22.4	54.3	4 300	70.0
72.0																			16.3	48.5	4 000	72.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

33.5m (110 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.7	94.7	20 700*																			19.8
20.0	74.5	94.6	20 700*																			20.0
22.0	72.6	94.0	20 400*																			22.0
24.0	70.6	93.3	20 200*	71.8	93.7	23 100*																24.0
26.0	68.6	92.6	19 900*	69.8	92.9	22 900*																26.0
28.0	66.5	91.7	19 700*	67.7	92.2	22 700*	69.5	92.6	22 100*													28.0
30.0	64.5	90.8	19 400*	65.7	91.3	21 800*	67.5	91.8	21 900*													30.0
32.0	62.4	89.8	19 000*	63.6	90.3	20 500*	65.4	91.0	21 700*	67.2	91.4	21 200										32.0
34.0	60.2	88.7	17 800*	61.5	89.3	19 400*	63.3	90.0	20 500	65.1	90.5	19 700										34.0
36.0	58.0	87.5	16 700*	59.3	88.1	18 300*	61.2	88.9	19 200	63.1	89.5	18 400										36.0
38.0	55.8	86.1	15 600*	57.1	86.8	17 300*	59.0	87.7	18 000	60.9	88.5	17 200										38.0
40.0	53.4	84.7	14 500*	54.8	85.5	15 900*	56.8	86.5	16 800	58.7	87.3	16 000	61.8	88.2	14 700							40.0
42.0	51.1	83.1	13 600*	52.5	84.0	14 600*	54.5	85.1	15 700	56.5	86.0	15 100	59.7	87.1	13 800							42.0
44.0	48.6	81.4	12 700*	50.0	82.4	13 500*	52.2	83.6	14 500*	54.2	84.6	14 100	57.4	85.9	12 900							44.0
46.0	46.0	79.6	11 900*	47.5	80.6	12 400*	49.7	81.9	13 300*	51.8	83.1	13 300	55.2	84.5	12 100							46.0
48.0	43.3	77.5	11 000*	44.9	78.6	11 500*	47.2	80.1	12 300*	49.4	81.4	12 500	52.8	83.0	11 400	56.1	84.1	10 300				48.0
50.0	40.5	75.2	10 200*	42.2	76.5	10 700*	44.6	78.2	11 400*	46.8	79.6	11 800	50.4	81.4	10 700	53.7	82.7	9 700				50.0
52.0	37.5	72.7	9 500*	39.3	74.2	9 900*	41.8	76.0	10 500*	44.2	77.6	11 000	47.9	79.7	10 100	51.4	81.1	9 100				52.0
54.0	34.2	69.9	8 800*	36.2	71.5	9 200*	38.9	73.6	9 800*	41.4	75.4	10 300	45.3	77.8	9 400	48.9	79.4	8 500	52.2	80.5	7 500	54.0
56.0	30.7	66.7	8 200*	32.8	68.6	8 500*	35.7	71.0	9 100*	38.5	73.0	9 700	42.6	75.7	8 800	46.3	77.6	7 900	49.8	78.9	7 000	56.0
58.0	26.7	63.0	7 600*	29.1	65.2	8 000*	32.4	68.0	8 500*	35.3	70.3	9 000*	39.7	73.4	8 200	43.7	75.6	7 400	47.2	77.1	6 500	58.0
60.0	22.1	58.6	7 100*	24.9	61.2	7 400*	28.6	64.5	7 900*	31.9	67.2	8 300*	36.7	70.8	7 700	40.9	73.3	6 900	44.6	75.1	6 100	60.0
62.0	16.3	52.7	6 500*	19.9	56.3	6 900*	24.3	60.4	7 300*	28.1	63.7	7 800*	33.4	67.9	7 200	37.9	70.9	6 400	41.8	72.9	5 600	62.0
64.0	6.4	42.4	5 100*	13.1	49.4	6 300*	19.2	55.3	6 800*	23.7	59.5	7 300*	29.7	64.6	6 800	34.7	68.1	6 000	38.9	70.6	5 300	64.0
66.0							12.0	48.0	6 300*	18.4	54.2	6 800*	25.6	60.7	6 400	31.2	65.0	5 600	35.8	67.9	4 900	66.0
68.0										10.7	46.3	6 200*	20.8	55.9	6 000	27.3	61.3	5 300	32.4	64.9	4 500	68.0
70.0													14.4	49.5	5 600	22.8	57.0	4 900	28.7	61.5	4 200	70.0
72.0																17.2	51.4	4 600	24.4	57.4	3 900	72.0
74.0																			19.2	52.3	3 600	74.0
76.0																			12.1	45.0	3 400	76.0



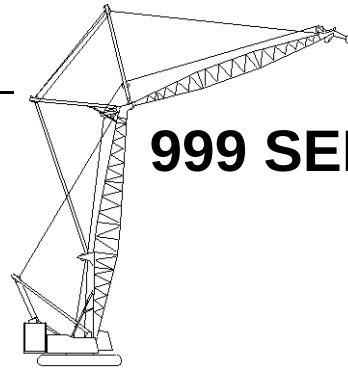
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

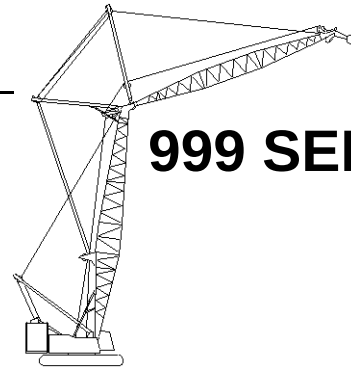
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



33.5m (110 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.5	97.8	18 800*																			19.8
20.0	75.3	97.8	18 800*																			20.0
22.0	73.4	97.2	18 600*																			22.0
24.0	71.6	96.6	18 300*	72.7	96.9	20 900*																24.0
26.0	69.7	95.8	18 100*	70.8	96.2	20 700*																26.0
28.0	67.7	95.1	17 900*	68.9	95.4	20 500*																28.0
30.0	65.8	94.2	17 700*	66.9	94.6	20 300*	68.6	95.1	19 800*													30.0
32.0	63.8	93.2	17 500*	65.0	93.7	20 000*	66.7	94.3	19 600*													32.0
34.0	61.8	92.2	17 100*	63.0	92.7	18 900*	64.7	93.4	19 500*	66.4	93.9	19 300										34.0
36.0	59.7	91.0	16 200*	60.9	91.6	17 900*	62.7	92.4	18 900	64.4	93.0	17 900										36.0
38.0	57.6	89.8	15 200*	58.8	90.5	17 000*	60.7	91.3	17 600	62.4	91.9	16 700										38.0
40.0	55.5	88.5	14 300*	56.7	89.2	15 700*	58.6	90.1	16 400	60.4	90.8	15 600										40.0
42.0	53.2	87.0	13 400*	54.5	87.8	14 400*	56.4	88.8	15 400	58.3	89.6	14 600	61.2	90.6	13 400							42.0
44.0	51.0	85.4	12 500*	52.3	86.3	13 200*	54.3	87.4	14 200*	56.2	88.3	13 700	59.2	89.5	12 500							44.0
46.0	48.6	83.7	11 700*	50.0	84.7	12 200*	52.0	85.9	13 100*	54.0	86.9	12 900	57.1	88.2	11 800							46.0
48.0	46.2	81.9	10 800*	47.6	82.9	11 300*	49.7	84.2	12 100*	51.7	85.4	12 100	54.9	86.8	11 000							48.0
50.0	43.6	79.8	10 000*	45.1	81.0	10 400*	47.3	82.4	11 100*	49.4	83.7	11 400	52.7	85.3	10 400	55.7	86.4	9 300				50.0
52.0	40.9	77.6	9 200*	42.5	78.8	9 600*	44.8	80.5	10 300*	47.0	81.9	10 800	50.4	83.7	9 700	53.5	85.0	8 700				52.0
54.0	38.1	75.1	8 600*	39.8	76.5	8 900*	42.2	78.4	9 600*	44.4	79.9	10 100	48.0	82.0	9 100	51.3	83.4	8 200				54.0
56.0	35.1	72.4	8 000*	36.9	74.0	8 300*	39.4	76.0	8 900*	41.8	77.8	9 500	45.5	80.1	8 500	48.9	81.7	7 600				56.0
58.0	31.8	69.3	7 400*	33.7	71.1	7 700*	36.5	73.4	8 200*	39.0	75.4	8 800*	42.9	78.0	8 000	46.5	79.9	7 100	49.7	81.2	6 300	58.0
60.0	28.2	65.8	6 900*	30.3	67.9	7 200*	33.3	70.5	7 600*	36.1	72.7	8 100*	40.2	75.7	7 500	43.9	77.9	6 600	47.3	79.4	5 800	60.0
62.0	24.0	61.7	6 400*	26.5	64.1	6 700*	29.9	67.2	7 100*	32.9	69.8	7 500*	37.3	73.2	7 000	41.3	75.7	6 200	44.8	77.4	5 400	62.0
64.0	19.1	56.5	6 000*	22.1	59.6	6 200*	26.0	63.4	6 600*	29.4	66.4	7 000*	34.2	70.4	6 600	38.5	73.3	5 800	42.2	75.3	5 000	64.0
66.0	12.3	49.2	5 100*	16.6	53.8	5 700*	21.5	58.7	6 100*	25.4	62.5	6 500*	30.9	67.2	6 200	35.5	70.6	5 400	39.4	72.9	4 600	66.0
68.0							15.8	52.7	5 700*	20.8	57.7	6 100*	27.1	63.5	5 800	32.2	67.5	5 000	36.5	70.3	4 300	68.0
70.0							5.9	41.9	4 700*	14.8	51.4	5 600*	22.9	59.2	5 400	28.6	64.1	4 700	33.3	67.4	4 000	70.0
72.0													17.6	53.7	5 100	24.6	60.0	4 300	29.9	64.1	3 700	72.0
74.0													9.8	45.2	4 800	19.8	55.0	4 000	26.0	60.3	3 400	74.0
76.0																13.4	48.2	3 800	21.5	55.7	3 100	76.0
78.0																			15.8	49.7	2 900	78.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

33.5m (110 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.8	100.6	16 900*																			21.3
22.0	74.2	100.4	16 800*																			22.0
24.0	72.4	99.8	16 600*																			24.0
26.0	70.6	99.1	16 400*	71.7	99.4	18 800*																26.0
28.0	68.8	98.3	16 200*	69.9	98.7	18 500*																28.0
30.0	66.9	97.5	16 000*	68.0	97.9	18 300*	69.6	98.4	17 800*													30.0
32.0	65.1	96.6	15 700*	66.2	97.1	18 100*	67.8	97.6	17 600*													32.0
34.0	63.2	95.6	15 500*	64.3	96.1	17 900*	65.9	96.7	17 500*	67.5	97.2	18 400										34.0
36.0	61.2	94.6	15 300*	62.4	95.1	17 400*	64.0	95.8	17 300*	65.7	96.3	17 500										36.0
38.0	59.3	93.4	14 700*	60.4	94.0	16 500*	62.1	94.8	17 100	63.8	95.4	16 200										38.0
40.0	57.2	92.1	13 900*	58.4	92.8	15 500*	60.2	93.6	16 000	61.9	94.3	15 200										40.0
42.0	55.2	90.8	13 100*	56.4	91.5	14 100*	58.2	92.4	15 000	59.9	93.2	14 200										42.0
44.0	53.1	89.3	12 300*	54.3	90.1	13 000*	56.1	91.1	14 000	57.9	92.0	13 300	60.7	93.0	12 100							44.0
46.0	50.9	87.7	11 400*	52.2	88.6	11 900*	54.0	89.7	12 900*	55.8	90.7	12 500	58.7	91.8	11 300							46.0
48.0	48.6	86.0	10 500*	49.9	87.0	11 000*	51.9	88.2	11 800*	53.7	89.2	11 700	56.7	90.5	10 600							48.0
50.0	46.3	84.2	9 700*	47.7	85.2	10 100*	49.7	86.5	10 900*	51.6	87.7	11 000	54.6	89.1	9 900							50.0
52.0	43.9	82.1	9 000*	45.3	83.3	9 400*	47.4	84.7	10 000*	49.4	86.0	10 400	52.5	87.7	9 300	55.4	88.8	8 300				52.0
54.0	41.3	79.9	8 300*	42.8	81.2	8 700*	45.0	82.8	9 300*	47.0	84.2	9 800	50.3	86.0	8 700	53.3	87.3	7 800				54.0
56.0	38.6	77.5	7 700*	40.2	78.9	8 000*	42.5	80.7	8 600*	44.7	82.2	9 200	48.0	84.3	8 200	51.2	85.7	7 300				56.0
58.0	35.8	74.9	7 100*	37.5	76.4	7 500*	39.9	78.4	8 000*	42.2	80.1	8 500*	45.7	82.4	7 700	48.9	84.0	6 800	51.9	85.1	5 900	58.0
60.0	32.7	71.9	6 600*	34.5	73.6	6 900*	37.1	75.8	7 400*	39.5	77.8	7 900*	43.2	80.3	7 200	46.6	82.2	6 300	49.7	83.5	5 500	60.0
62.0	29.4	68.5	6 100*	31.4	70.5	6 400*	34.2	73.0	6 800*	36.7	75.2	7 300*	40.6	78.1	6 700	44.2	80.2	5 900	47.4	81.7	5 100	62.0
64.0	25.6	64.6	5 700*	27.9	66.9	5 900*	31.0	69.8	6 300*	33.7	72.3	6 700*	37.9	75.6	6 300	41.7	78.0	5 500	45.0	79.7	4 700	64.0
66.0	21.3	60.0	5 300*	23.9	62.7	5 500*	27.4	66.2	5 800*	30.5	69.1	6 200*	35.0	72.9	5 900	39.0	75.6	5 100	42.5	77.6	4 300	66.0
68.0	15.8	53.9	4 700*	19.2	57.6	5 100*	23.4	61.9	5 400*	26.9	65.4	5 800*	31.9	69.8	5 500	36.2	73.0	4 700	39.9	75.3	4 000	68.0
70.0	6.9	43.6	3 600*	12.9	50.5	4 500*	18.5	56.6	5 000*	22.8	61.0	5 400*	28.5	66.3	5 100	33.1	70.1	4 400	37.2	72.8	3 700	70.0
72.0							11.8	49.1	4 600*	17.8	55.5	5 000*	24.6	62.2	4 800	29.8	66.8	4 100	34.2	69.9	3 300	72.0
74.0										10.6	47.4	4 500*	20.0	57.3	4 500	26.2	63.0	3 800	31.0	66.8	3 100	74.0
76.0													14.1	50.6	4 200	21.9	58.4	3 500	27.5	63.1	2 800	76.0
78.0																16.6	52.6	3 200	23.4	58.9	2 600	78.0
80.0																			18.6	53.6	2 400	80.0
82.0																			11.9	46.1	2 100	82.0



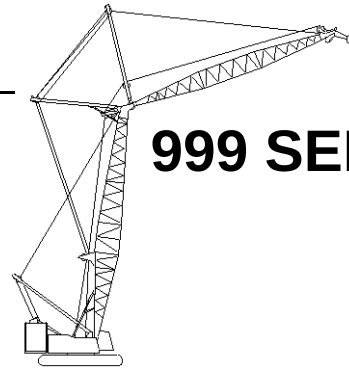
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

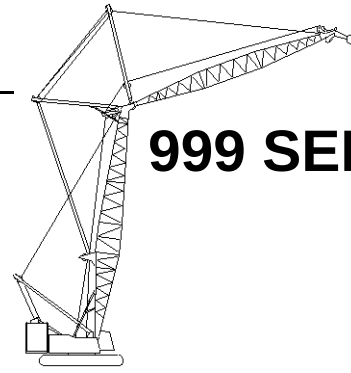
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



33.5m (110 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.5	103.7	15 900*																			21.3
22.0	74.9	103.6	15 800*																			22.0
24.0	73.2	103.0	15 600*																			24.0
26.0	71.5	102.3	15 400*	72.5	102.6	17 800*																26.0
28.0	69.8	101.6	15 200*	70.8	101.9	17 600*																28.0
30.0	68.0	100.8	15 000*	69.0	101.2	17 400*																30.0
32.0	66.2	100.0	14 800*	67.3	100.4	17 200*	68.8	100.9	17 000*													32.0
34.0	64.4	99.0	14 600*	65.5	99.5	17 000*	67.0	100.1	16 900*													34.0
36.0	62.6	98.0	14 300*	63.7	98.5	16 600*	65.2	99.2	16 700*	66.8	99.7	17 100										36.0
38.0	60.7	96.9	13 500*	61.8	97.5	15 800*	63.4	98.2	16 600*	65.0	98.8	15 900										38.0
40.0	58.8	95.7	12 700*	59.9	96.4	15 000*	61.6	97.1	15 700	63.2	97.8	14 900										40.0
42.0	56.9	94.5	12 000*	58.0	95.1	14 000*	59.7	96.0	14 600	61.3	96.7	13 900										42.0
44.0	54.9	93.1	11 400*	56.1	93.8	12 800*	57.8	94.8	13 700	59.4	95.6	13 000										44.0
46.0	52.9	91.6	10 700*	54.1	92.4	11 700*	55.8	93.5	12 600*	57.5	94.3	12 200	60.2	95.4	11 000							46.0
48.0	50.8	90.0	10 100*	52.0	90.9	10 800*	53.8	92.0	11 600*	55.6	93.0	11 400	58.3	94.2	10 300							48.0
50.0	48.6	88.3	9 500*	49.9	89.3	10 000*	51.8	90.5	10 700*	53.5	91.5	10 700	56.4	92.9	9 700							50.0
52.0	46.4	86.5	8 800*	47.7	87.5	9 200*	49.6	88.8	9 900*	51.5	90.0	10 100	54.4	91.5	9 100	57.1	92.4	8 000				52.0
54.0	44.1	84.5	8 100*	45.5	85.6	8 500*	47.4	87.0	9 100*	49.3	88.3	9 500	52.3	90.0	8 500	55.2	91.1	7 500				54.0
56.0	41.7	82.3	7 500*	43.1	83.5	7 800*	45.2	85.1	8 400*	47.1	86.5	8 900	50.2	88.3	7 900	53.1	89.6	7 000				56.0
58.0	39.1	79.9	6 900*	40.6	81.2	7 200*	42.8	83.0	7 700*	44.8	84.5	8 300*	48.1	86.6	7 500	51.1	88.0	6 500				58.0
60.0	36.5	77.3	6 400*	38.0	78.8	6 700*	40.3	80.7	7 100*	42.5	82.4	7 700*	45.8	84.7	7 000	48.9	86.3	6 100	51.8	87.4	5 200	60.0
62.0	33.6	74.4	5 900*	35.3	76.1	6 200*	37.7	78.2	6 600*	40.0	80.1	7 100*	43.5	82.6	6 600	46.7	84.5	5 700	49.7	85.8	4 800	62.0
64.0	30.5	71.2	5 400*	32.3	73.0	5 700*	34.9	75.5	6 100*	37.3	77.6	6 500*	41.0	80.4	6 100	44.4	82.5	5 300	47.5	84.0	4 500	64.0
66.0	27.0	67.5	5 000*	29.1	69.6	5 300*	31.9	72.4	5 600*	34.5	74.8	6 000*	38.5	78.0	5 700	42.0	80.4	4 900	45.2	82.0	4 100	66.0
68.0	23.1	63.2	4 600*	25.5	65.7	4 900*	28.7	68.9	5 200*	31.5	71.7	5 600*	35.7	75.3	5 300	39.5	78.0	4 500	42.8	79.9	3 800	68.0
70.0	18.5	57.8	4 300*	21.3	61.0	4 500*	25.0	64.9	4 800*	28.2	68.1	5 100*	32.8	72.3	4 900	36.8	75.4	4 200	40.3	77.7	3 500	70.0
72.0	12.1	50.3	3 500*	16.1	55.0	4 100*	20.7	60.1	4 400*	24.5	64.0	4 700*	29.6	69.0	4 600	34.0	72.6	3 900	37.7	75.2	3 200	72.0
74.0							15.3	53.9	4 100*	20.1	59.1	4 400*	26.1	65.2	4 300	30.9	69.4	3 600	35.0	72.4	2 900	74.0
76.0							6.4	43.1	3 300*	14.5	52.5	4 000*	22.0	60.6	4 000	27.5	65.8	3 300	32.0	69.4	2 600	76.0
78.0													17.1	54.9	3 700	23.7	61.5	3 000	28.7	65.9	2 400	78.0
80.0													9.9	46.3	3 400	19.1	56.4	2 800	25.0	61.9	2 100	80.0
82.0																13.1	49.3	2 600	20.8	57.1	1 900	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

33.5m (110 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	74.9	106.5	14 300*																			22.9
24.0	73.9	106.2	14 200*																			24.0
26.0	72.3	105.5	14 000*	73.3	105.8	16 100*																26.0
28.0	70.6	104.9	13 800*	71.6	105.2	16 000*																28.0
30.0	69.0	104.1	13 600*	69.9	104.5	15 800*																30.0
32.0	67.3	103.3	13 400*	68.3	103.7	15 600*	69.7	104.2	15 400*													32.0
34.0	65.6	102.4	13 200*	66.6	102.8	15 400*	68.0	103.4	15 200*													34.0
36.0	63.8	101.4	13 100*	64.8	101.9	15 200*	66.3	102.5	15 100*													36.0
38.0	62.1	100.4	12 900*	63.1	100.9	15 000*	64.6	101.6	14 900*	66.1	102.1	15 500										38.0
40.0	60.3	99.3	12 300*	61.3	99.9	14 300*	62.9	100.6	14 800	64.4	101.2	14 400										40.0
42.0	58.4	98.1	11 600*	59.5	98.7	13 600*	61.1	99.5	14 300	62.6	100.2	13 500										42.0
44.0	56.6	96.8	11 000*	57.7	97.5	12 500*	59.3	98.4	13 300	60.8	99.1	12 600										44.0
46.0	54.7	95.4	10 400*	55.8	96.2	11 500*	57.4	97.1	12 400*	59.0	97.9	11 800	61.6	98.9	10 600							46.0
48.0	52.7	93.9	9 900*	53.9	94.7	10 500*	55.5	95.8	11 400*	57.2	96.6	11 000	59.8	97.7	9 900							48.0
50.0	50.7	92.3	9 200*	51.9	93.2	9 700*	53.6	94.3	10 400*	55.3	95.3	10 300	58.0	96.5	9 200							50.0
52.0	48.7	90.6	8 500*	49.9	91.6	8 900*	51.6	92.8	9 600*	53.4	93.8	9 700	56.1	95.2	8 600							52.0
54.0	46.5	88.8	7 800*	47.8	89.8	8 200*	49.6	91.1	8 800*	51.4	92.3	9 100	54.2	93.8	8 100	56.8	94.8	7 100				54.0
56.0	44.3	86.8	7 200*	45.6	87.9	7 600*	47.5	89.3	8 100*	49.3	90.6	8 500	52.2	92.3	7 500	54.9	93.4	6 600				56.0
58.0	42.0	84.6	6 600*	43.4	85.8	7 000*	45.3	87.4	7 500*	47.2	88.8	8 000	50.2	90.6	7 100	53.0	91.9	6 100				58.0
60.0	39.6	82.3	6 100*	41.0	83.6	6 400*	43.1	85.3	6 900*	45.0	86.9	7 400*	48.1	88.9	6 600	51.0	90.3	5 700				60.0
62.0	37.1	79.7	5 600*	38.6	81.2	5 900*	40.7	83.1	6 300*	42.8	84.8	6 800*	46.0	87.0	6 200	48.9	88.6	5 300	51.7	89.7	4 500	62.0
64.0	34.3	76.9	5 200*	35.9	78.5	5 400*	38.2	80.6	5 800*	40.4	82.5	6 300*	43.7	85.0	5 800	46.8	86.8	4 900	49.6	88.1	4 100	64.0
66.0	31.4	73.8	4 800*	33.2	75.6	5 000*	35.6	77.9	5 300*	37.9	80.0	5 700*	41.4	82.8	5 400	44.6	84.8	4 500	47.5	86.3	3 800	66.0
68.0	28.3	70.3	4 400*	30.2	72.3	4 600*	32.8	75.0	4 900*	35.2	77.3	5 300*	39.0	80.4	5 000	42.3	82.7	4 200	45.4	84.4	3 400	68.0
70.0	24.7	66.2	4 000*	26.8	68.6	4 200*	29.7	71.6	4 500*	32.4	74.2	4 900*	36.4	77.8	4 600	39.9	80.4	3 900	43.1	82.3	3 100	70.0
72.0	20.6	61.3	3 700*	23.1	64.2	3 800*	26.4	67.8	4 100*	29.3	70.9	4 500*	33.6	74.9	4 300	37.4	77.9	3 600	40.7	80.0	2 800	72.0
74.0	15.4	55.1	3 200*	18.6	58.9	3 500*	22.6	63.4	3 800*	25.9	67.0	4 100*	30.6	71.6	4 000	34.7	75.1	3 300	38.3	77.6	2 600	74.0
76.0	7.2	44.8	2 200*	12.7	51.6	3 100*	18.0	57.9	3 500*	22.0	62.4	3 700*	27.4	68.0	3 700	31.8	72.0	3 000	35.6	74.9	2 300	76.0
78.0							11.7	50.1	3 100*	17.2	56.7	3 400*	23.7	63.7	3 400	28.7	68.5	2 700	32.8	71.9	2 100	78.0
80.0										10.6	48.4	3 100*	19.4	58.6	3 200	25.2	64.5	2 500	29.8	68.6	1 900	80.0
82.0													13.8	51.8	2 900	21.2	59.8	2 300				82.0
84.0																16.2	53.8	2 100				84.0



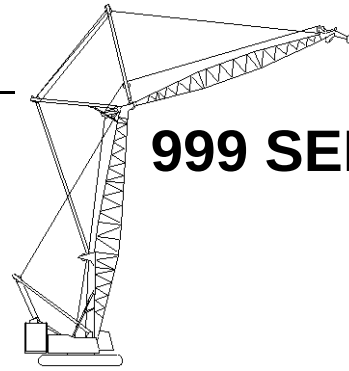
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

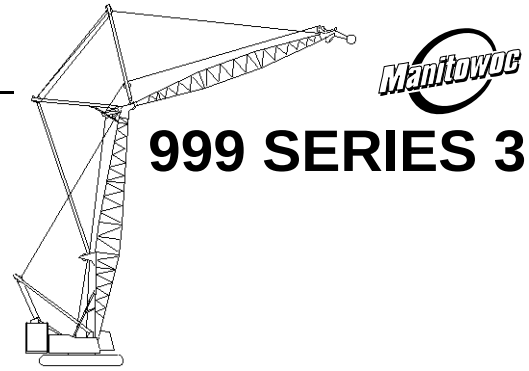


36.6m (120 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	67.0	58.5	59 800*b																			12.2
14.0	61.5	57.6	54 400*b	65.4	58.2	57 800*b																14.0
16.0	55.2	56.3	49 300*b	59.3	57.1	52 200*b																16.0
18.0	48.2	54.7	45 100*	52.7	55.7	47 500*	59.0	56.8	50 300b													18.0
20.0	40.4	52.5	41 600*	45.5	53.9	43 600*	52.4	55.4	45 200	58.6	56.4	43 600b										20.0
22.0	30.9	49.6	38 600*	37.2	51.5	40 300*	45.1	53.5	41 000	52.0	55.0	39 500										22.0
24.0	17.0	44.9	31 700*	26.7	48.2	37 300*	36.7	51.1	37 600	44.7	53.1	36 100	55.7	55.0	34 000							24.0
26.0							26.1	47.7	34 200	36.2	50.7	33 100	48.8	53.4	31 200							26.0
28.0										25.4	47.2	30 000	41.1	51.4	28 300	52.4	53.3	26 600				28.0
30.0													31.8	48.5	25 800	45.2	51.5	24 300				30.0
32.0													18.6	44.1	23 700	36.8	49.1	22 300	48.6	51.1	20 900	32.0
34.0																26.2	45.7	20 500	40.8	49.0	19 200	34.0
36.0																			31.5	46.2	17 700	36.0
38.0																			18.2	41.6	16 500	38.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	70.0	61.8	57 900*b																			12.2
14.0	65.4	61.0	52 800*b	68.7	61.5	56 100*b																14.0
16.0	60.1	59.9	47 900*b	63.5	60.6	50 800*b																16.0
18.0	54.4	58.6	43 900*	58.0	59.4	46 300*	63.2	60.3	49 300b													18.0
20.0	48.3	57.0	40 400*	52.2	58.0	42 500*	57.8	59.1	44 200	62.9	59.9	42 700b										20.0
22.0	41.5	54.9	37 500*	45.9	56.2	39 200*	52.0	57.7	40 100	57.5	58.7	38 700										22.0
24.0	33.7	52.2	34 400*	38.8	53.9	36 400*	45.6	55.9	36 700	51.6	57.3	35 300										24.0
26.0	23.5	48.4	31 000*	30.4	50.9	33 300*	38.5	53.6	33 700	45.2	55.4	32 400	54.9	57.4	30 400							26.0
28.0				18.6	46.3	28 900*	29.9	50.5	30 900	38.0	53.1	29 800	48.8	55.7	28 000							28.0
30.0							17.8	45.8	28 200	29.3	50.0	27 200	42.1	53.7	25 500	52.0	55.6	23 900				30.0
32.0										16.9	45.1	24 900	34.4	51.1	23 400	45.7	53.8	21 900				32.0
34.0													24.5	47.4	21 600	38.5	51.5	20 200	48.7	53.4	18 800	34.0
36.0																30.0	48.5	18 700	42.0	51.4	17 400	36.0
38.0																17.9	43.7	17 300	34.2	48.7	16 100	38.0
40.0																			24.2	45.0	15 000	40.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	72.3	65.0	56 100*b																			12.2
14.0	68.3	64.4	51 300*b	71.1	64.8	54 500*b																14.0
16.0	63.7	63.4	46 700*b	66.6	64.0	49 500*b																16.0
18.0	58.9	62.3	42 900*	62.0	63.0	45 200*	66.4	63.7	48 300b													18.0
20.0	53.8	60.9	39 500*	57.1	61.7	41 600*	61.7	62.7	43 400	66.2	63.3	41 900b										20.0
22.0	48.4	59.3	36 600*	51.9	60.3	38 400*	56.8	61.5	39 400	61.5	62.3	37 900										22.0
24.0	42.4	57.2	33 500*	46.3	58.5	35 700*	51.6	60.0	36 000	56.5	61.1	34 600										24.0
26.0	35.7	54.7	29 900*	40.1	56.3	33 100*	46.0	58.2	33 100	51.3	59.6	31 800	59.3	61.0	29 800							26.0
28.0	27.5	51.3	27 100*	32.9	53.5	29 700*	39.8	55.9	30 500	45.7	57.7	29 300	54.2	59.7	27 400							28.0
30.0	15.7	46.1	23 700*	23.9	49.7	26 900*	32.5	53.1	28 000	39.4	55.5	27 000	48.9	58.0	25 300							30.0
32.0				7.6	42.2	21 600*	23.4	49.2	25 700	32.1	52.6	24 800	43.0	56.0	23 200	51.7	57.9	21 700				32.0
34.0										22.8	48.6	22 900	36.3	53.6	21 400	46.1	56.1	19 900				34.0
36.0													28.3	50.3	19 800	39.8	53.9	18 400	48.7	55.7	17 100	36.0
38.0													17.0	45.3	18 400	32.6	51.1	17 100	42.8	53.7	15 900	38.0
40.0																23.5	47.2	15 900	36.1	51.2	14 800	40.0
42.0																			28.0	47.9	13 700	42.0
44.0																			16.6	42.8	12 900	44.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.1	68.2	54 000*b																			12.2
14.0	70.6	67.6	49 600*b	73.1	68.0	52 600*b																14.0
16.0	66.5	66.8	45 400*	69.1	67.3	48 000*b																16.0
18.0	62.3	65.8	41 700*	65.0	66.4	44 000*																18.0
20.0	57.9	64.6	38 400*	60.7	65.3	40 500*	64.8	66.1	42 500													20.0
22.0	53.3	63.2	35 700*	56.3	64.1	37 500*	60.5	65.0	38 500	64.6	65.7	37 100										22.0
24.0	48.4	61.6	32 900*	51.6	62.6	34 800*	56.1	63.8	35 200	60.3	64.7	33 800										24.0
26.0	43.1	59.6	29 400*	46.6	60.8	32 500*	51.4	62.3	32 300	55.8	63.4	31 000	62.7	64.5	29 100							26.0
28.0	37.2	57.1	26 400*	41.1	58.6	29 400*	46.3	60.5	29 900	51.1	61.9	28 700	58.3	63.4	26 800							28.0
30.0	30.3	54.1	24 000*	34.8	56.0	26 600*	40.8	58.3	27 700	46.0	60.0	26 600	53.7	62.0	24 700							30.0
32.0	21.4	49.8	22 300*	27.4	52.6	24 200*	34.5	55.7	25 400	40.5	57.9	24 400	48.9	60.3	22 900	56.1	61.7	21 300				32.0
34.0				17.2	47.5	21 700*	27.0	52.2	23 500	34.1	55.2	22 600	43.6	58.4	21 000	51.4	60.2	19 600				34.0
36.0							16.5	47.0	21 400	26.5	51.6	20 900	37.7	56.0	19 500	46.4	58.4	18 100				36.0
38.0										15.7	46.3	19 400	30.9	53.0	18 100	40.8	56.2	16 800	48.7	58.0	15 500	38.0
40.0													22.3	48.8	16 800	34.6	53.6	15 600	43.5	56.0	14 400	40.0
42.0																27.1	50.1	14 500	37.6	53.6	13 400	42.0
44.0																16.6	45.0	13 600	30.7	50.6	12 500	44.0
46.0																			22.1	46.4	11 700	46.0



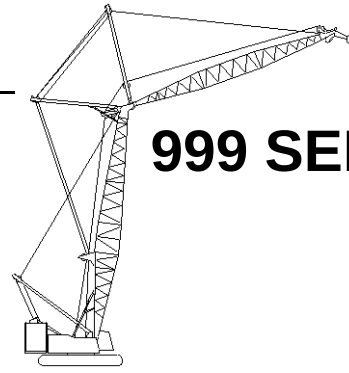
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

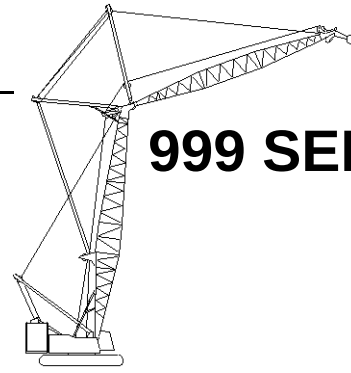
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.6	71.4	49 700*																			12.2
14.0	72.4	70.9	48 100*																			14.0
16.0	68.8	70.1	44 200*	71.1	70.5	46 700*																16.0
18.0	65.0	69.2	40 600*	67.4	69.7	42 900*																18.0
20.0	61.2	68.2	37 600*	63.6	68.8	39 500*	67.2	69.5	41 900													20.0
22.0	57.2	67.0	34 900*	59.7	67.7	36 600*	63.5	68.5	38 000													22.0
24.0	53.0	65.5	32 300*	55.7	66.4	34 100*	59.5	67.4	34 600	63.2	68.1	33 300										24.0
26.0	48.5	63.9	29 100*	51.4	64.9	31 800*	55.5	66.1	31 900	59.3	67.0	30 600										26.0
28.0	43.7	61.9	26 000*	46.8	63.1	29 400*	51.2	64.6	29 400	55.2	65.7	28 200	61.5	66.9	26 300							28.0
30.0	38.4	59.5	23 500*	41.8	61.0	26 500*	46.6	62.8	27 300	50.9	64.2	26 200	57.5	65.7	24 400							30.0
32.0	32.4	56.7	21 400*	36.3	58.5	24 100*	41.6	60.7	25 400	46.3	62.4	24 400	53.3	64.3	22 600							32.0
34.0	25.2	52.9	19 800*	30.0	55.3	22 000*	36.1	58.1	23 400	41.3	60.2	22 400	48.9	62.6	20 900	55.5	64.0	19 400				34.0
36.0	14.8	47.2	17 900*	22.0	51.1	20 300*	29.6	54.9	21 600	35.7	57.6	20 800	44.1	60.7	19 300	51.2	62.5	17 900				36.0
38.0				8.2	43.3	16 800*	21.5	50.6	20 100	29.2	54.4	19 300	38.9	58.4	17 900	46.6	60.7	16 600				38.0
40.0										21.0	50.0	18 000	33.0	55.5	16 700	41.6	58.6	15 400	48.8	60.3	14 200	40.0
42.0													25.8	51.9	15 600	36.1	56.1	14 400	44.0	58.3	13 200	42.0
44.0													15.9	46.5	14 600	29.7	52.9	13 400	38.7	56.0	12 300	44.0
46.0																21.6	48.6	12 600	32.8	53.2	11 500	46.0
48.0																			25.6	49.5	10 800	48.0
50.0																			15.6	44.0	10 100	50.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.4	74.1	44 200*b																			13.7
14.0	73.9	74.0	44 100*b																			14.0
16.0	70.6	73.4	42 700*	72.7	73.7	45 100*b																16.0
18.0	67.2	72.6	39 500*	69.4	73.0	41 600*																18.0
20.0	63.8	71.7	36 500*	66.0	72.2	38 500*	69.2	72.8	41 200													20.0
22.0	60.2	70.6	34 000*	62.5	71.2	35 700*	65.8	71.9	37 400													22.0
24.0	56.5	69.3	31 600*	58.9	70.0	33 200*	62.3	70.9	34 100	65.6	71.5	32 800										24.0
26.0	52.6	67.8	28 600*	55.1	68.7	31 100*	58.7	69.8	31 400	62.1	70.5	30 100										26.0
28.0	48.5	66.2	25 700*	51.2	67.2	29 000*	54.9	68.4	29 000	58.5	69.4	27 800										28.0
30.0	44.2	64.2	23 200*	47.0	65.4	26 600*	51.0	66.9	26 900	54.7	68.0	25 700	60.5	69.3	24 000							30.0
32.0	39.4	61.9	21 000*	42.5	63.3	24 100*	46.8	65.1	25 000	50.7	66.5	23 900	56.8	68.0	22 200							32.0
34.0	34.1	59.2	19 200*	37.5	60.9	22 000*	42.3	63.0	23 300	46.5	64.7	22 300	53.0	66.6	20 700							34.0
36.0	27.9	55.8	17 800*	32.0	58.0	20 200*	37.3	60.6	21 600	42.0	62.6	20 700	48.9	64.9	19 200	55.0	66.3	17 800				36.0
38.0	20.0	51.1	16 700*	25.3	54.2	18 700*	31.7	57.6	20 000	37.0	60.1	19 200	44.5	63.0	17 800	51.0	64.8	16 400				38.0
40.0				16.2	48.7	17 000*	24.9	53.8	18 600*	31.3	57.1	17 900	39.8	60.8	16 600	46.8	63.0	15 300				40.0
42.0							15.6	48.1	16 900*	24.5	53.2	16 700	34.6	58.1	15 400	42.3	60.9	14 200	48.8	62.6	13 100	42.0
44.0										14.9	47.4	15 600	28.4	54.7	14 400	37.3	58.5	13 300	44.4	60.7	12 100	44.0
46.0													20.7	50.2	13 500	31.7	55.5	12 400	39.7	58.4	11 400	46.0
48.0																25.0	51.7	11 600	34.4	55.7	10 600	48.0
50.0																15.7	46.1	10 900	28.3	52.3	9 900	50.0
52.0																			20.5	47.8	9 300	52.0



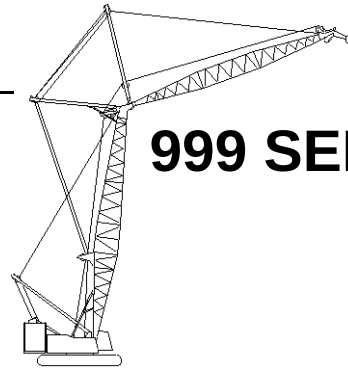
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

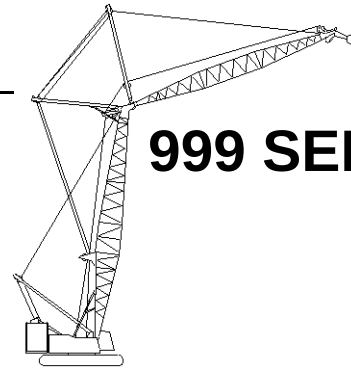
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.6	77.3	40 300*																			13.7
14.0	75.2	77.2	40 100*																			14.0
16.0	72.2	76.6	39 100*																			16.0
18.0	69.1	75.9	38 100*	71.0	76.3	40 400*																18.0
20.0	65.9	75.0	35 700*	67.9	75.5	37 600*																20.0
22.0	62.7	74.0	33 200*	64.8	74.6	34 900*	67.8	75.2	36 700													22.0
24.0	59.4	72.9	30 900*	61.5	73.6	32 600*	64.6	74.3	33 500													24.0
26.0	55.9	71.6	28 100*	58.2	72.4	30 400*	61.4	73.3	30 800	64.4	74.0	29 500										26.0
28.0	52.4	70.1	25 400*	54.7	71.0	28 600*	58.0	72.1	28 400	61.2	72.9	27 200										28.0
30.0	48.6	68.5	23 000*	51.0	69.5	26 400*	54.5	70.7	26 300	57.8	71.7	25 200										30.0
32.0	44.5	66.5	20 900*	47.1	67.7	23 900*	50.8	69.2	24 500	54.3	70.3	23 400	59.7	71.6	21 700							32.0
34.0	40.2	64.3	19 000*	43.0	65.7	21 800*	46.9	67.4	22 900	50.6	68.8	21 900	56.2	70.4	20 300							34.0
36.0	35.4	61.7	17 500*	38.5	63.3	20 000*	42.8	65.3	21 300	46.7	67.0	20 400	52.7	68.9	18 900							36.0
38.0	30.0	58.5	16 200*	33.5	60.5	18 400*	38.3	63.0	19 800	42.6	64.9	18 900	48.9	67.2	17 500	54.5	68.7	16 200				38.0
40.0	23.4	54.4	15 100*	27.8	57.0	17 000*	33.3	60.1	18 300*	38.0	62.5	17 600	44.9	65.3	16 300	50.9	67.1	15 000				40.0
42.0	14.2	48.3	13 900*	20.6	52.5	15 800*	27.5	56.6	16 900*	33.0	59.6	16 400	40.6	63.1	15 200	47.0	65.3	14 000	48.8	64.9	11 900	42.0
44.0				8.6	44.4	13 300*	20.1	52.0	15 700*	27.1	56.1	15 400	35.9	60.5	14 200	42.8	63.3	13 000	44.8	63.0	11 100	44.0
46.0										19.6	51.3	14 400	30.5	57.4	13 300	38.3	60.9	12 200	40.5	60.8	10 300	46.0
48.0													24.0	53.4	12 400	33.3	58.1	11 400	35.7	58.2	9 700	48.0
50.0													15.2	47.6	11 700	27.5	54.6	10 700	20.2	49.9	10 100	50.0
52.0																			30.3	55.0	9 100	52.0
54.0																			23.9	51.0	8 500	54.0
56.0																			14.9	45.1	8 000	56.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.5	80.0	36 000*																			15.2
16.0	73.5	79.8	35 700*																			16.0
18.0	70.6	79.1	34 900*																			18.0
20.0	67.8	78.4	34 000*	69.6	78.8	36 400*																20.0
22.0	64.8	77.5	32 400*	66.7	78.0	33 900*	69.5	78.5	36 000													22.0
24.0	61.8	76.4	30 100*	63.7	77.0	31 700*	66.6	77.7	32 800													24.0
26.0	58.7	75.3	27 500*	60.7	75.9	29 700*	63.6	76.7	30 100	66.4	77.3	28 800										26.0
28.0	55.5	73.9	25 100*	57.5	74.7	27 800*	60.5	75.7	27 800	63.4	76.4	26 600										28.0
30.0	52.1	72.5	22 900*	54.3	73.3	25 900*	57.4	74.4	25 700	60.4	75.3	24 600										30.0
32.0	48.6	70.8	20 800*	50.9	71.8	23 600*	54.1	73.0	23 900	57.2	74.0	22 900	62.1	75.1	21 100							32.0
34.0	44.9	68.8	19 000*	47.3	70.0	21 500*	50.7	71.5	22 300	53.9	72.6	21 300	58.9	74.0	19 700							34.0
36.0	40.9	66.7	17 400*	43.5	68.0	19 700*	47.1	69.7	20 900	50.5	71.1	19 900	55.7	72.7	18 400							36.0
38.0	36.6	64.1	16 000*	39.4	65.7	18 100*	43.3	67.7	19 500	46.9	69.3	18 600	52.4	71.2	17 200							38.0
40.0	31.7	61.1	14 800*	34.9	63.0	16 700*	39.2	65.3	18 000*	43.1	67.2	17 300	48.9	69.5	16 000	54.1	71.0	14 700				40.0
42.0	26.0	57.4	13 900*	29.8	59.8	15 400*	34.6	62.6	16 600*	38.9	64.9	16 200	45.2	67.6	14 900	50.7	69.4	13 600				42.0
44.0	18.8	52.4	13 200*	23.7	55.7	14 400*	29.5	59.4	15 400*	34.4	62.1	15 100	41.2	65.5	13 800	47.1	67.6	12 700				44.0
46.0				15.4	49.9	13 200*	23.3	55.2	14 300*	29.2	58.8	14 100	36.9	63.0	12 900	43.3	65.6	11 800	48.8	67.2	10 700	46.0
48.0							14.9	49.3	13 100*	22.9	54.7	13 300	32.1	60.0	12 100	39.2	63.3	11 000	45.1	65.3	10 000	48.0
50.0										14.3	48.5	12 500	26.6	56.4	11 400	34.7	60.6	10 300	41.1	63.1	9 300	50.0
52.0													19.5	51.5	10 700	29.5	57.3	9 700	36.8	60.6	8 700	52.0
54.0																23.4	53.2	9 100	32.0	57.6	8 200	54.0
56.0																15.0	47.3	8 600	26.4	54.0	7 700	56.0
58.0																			19.3	49.1	7 200	58.0



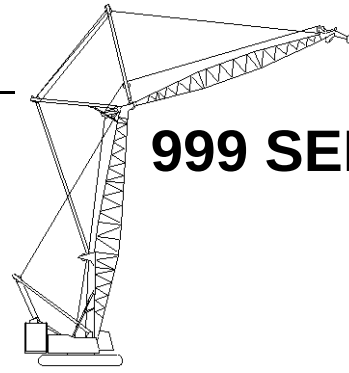
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

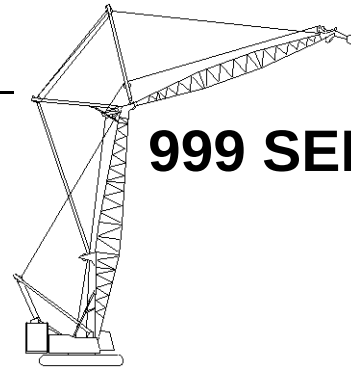
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.6	83.2	32 900*																			15.2
16.0	74.6	83.0	32 600*																			16.0
18.0	72.0	82.4	32 000*																			18.0
20.0	69.3	81.6	31 300*	71.0	82.0	35 300*																20.0
22.0	66.6	80.8	30 600*	68.3	81.3	33 000*																22.0
24.0	63.8	79.9	29 200*	65.6	80.4	30 900*	68.2	81.0	32 300													24.0
26.0	61.0	78.8	26 800*	62.8	79.4	29 000*	65.5	80.1	29 600													26.0
28.0	58.1	77.6	24 500*	59.9	78.3	27 200*	62.7	79.1	27 300	65.3	79.8	26 200										28.0
30.0	55.0	76.3	22 500*	57.0	77.0	25 600*	59.8	78.0	25 300	62.5	78.8	24 200										30.0
32.0	51.9	74.8	20 500*	53.9	75.6	23 500*	56.8	76.8	23 500	59.6	77.6	22 500										32.0
34.0	48.6	73.1	18 800*	50.7	74.1	21 300*	53.8	75.4	22 000	56.7	76.4	20 900	61.2	77.5	19 400							34.0
36.0	45.2	71.2	17 300*	47.4	72.3	19 500*	50.6	73.8	20 500	53.6	75.0	19 500	58.3	76.3	18 000							36.0
38.0	41.5	69.0	15 900*	43.9	70.3	17 900*	47.2	72.0	19 200	50.4	73.4	18 300	55.3	75.0	16 800							38.0
40.0	37.5	66.5	14 700*	40.1	68.1	16 500*	43.7	70.0	17 900*	47.0	71.6	17 200	52.2	73.5	15 800	56.9	74.7	14 500				40.0
42.0	33.1	63.7	13 600*	36.0	65.4	15 300*	39.9	67.7	16 500*	43.5	69.6	16 000	48.9	71.8	14 700	53.8	73.3	13 400				42.0
44.0	28.1	60.2	12 800*	31.4	62.4	14 200*	35.7	65.1	15 200*	39.7	67.3	14 900	45.5	70.0	13 700	50.6	71.7	12 500				44.0
46.0	22.1	55.8	12 100*	26.1	58.7	13 200*	31.1	62.0	14 100*	35.5	64.6	14 000	41.8	67.8	12 800	47.3	69.9	11 700	52.1	71.2	10 600	46.0
48.0	13.7	49.5	11 200*	19.5	53.8	12 300*	25.8	58.2	13 100*	30.9	61.5	13 100	37.8	65.4	12 000	43.7	67.9	10 900	48.8	69.5	9 800	48.0
50.0				8.8	45.5	10 500*	19.1	53.3	12 300*	25.5	57.7	12 300	33.5	62.5	11 200	39.9	65.7	10 200	45.4	67.6	9 200	50.0
52.0										18.6	52.6	11 600	28.6	59.1	10 600	35.8	63.0	9 600	41.7	65.5	8 600	52.0
54.0													22.6	54.9	10 000	31.2	60.0	9 000	37.7	63.0	8 000	54.0
56.0													14.6	48.8	9 400	25.8	56.2	8 400	33.4	60.2	7 500	56.0
58.0																19.1	51.2	7 900	28.4	56.8	7 100	58.0
60.0																			22.5	52.5	6 600	60.0
62.0																			14.3	46.3	6 300	62.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	85.9	29 600*																			16.8
18.0	73.1	85.6	29 300*																			18.0
20.0	70.7	84.9	28 700*	72.3	85.3	34 000*																20.0
22.0	68.2	84.1	28 100*	69.8	84.5	32 000*																22.0
24.0	65.6	83.3	27 500*	67.2	83.7	30 000*																24.0
26.0	63.0	82.3	25 900*	64.6	82.8	28 200*	67.1	83.5	29 300													26.0
28.0	60.3	81.2	23 900*	62.0	81.8	26 500*	64.5	82.6	27 000	67.0	83.1	25 800										28.0
30.0	57.5	79.9	22 000*	59.3	80.7	25 000*	61.9	81.5	25 000	64.4	82.2	23 900										30.0
32.0	54.7	78.6	20 200*	56.5	79.4	23 600*	59.2	80.4	23 200	61.7	81.1	22 200										32.0
34.0	51.7	77.1	18 600*	53.6	78.0	21 500*	56.4	79.1	21 600	59.0	80.0	20 600										34.0
36.0	48.7	75.4	17 100*	50.6	76.4	19 600*	53.5	77.7	20 300	56.2	78.7	19 300	60.5	79.9	17 800							36.0
38.0	45.4	73.5	15 800*	47.5	74.6	18 000*	50.5	76.1	19 000	53.3	77.3	18 100	57.8	78.7	16 600							38.0
40.0	42.0	71.3	14 600*	44.2	72.6	16 600*	47.3	74.3	17 800	50.3	75.7	16 900	54.9	77.3	15 500							40.0
42.0	38.3	68.9	13 500*	40.7	70.4	15 300*	44.0	72.3	16 500*	47.2	73.9	15 900	52.0	75.8	14 600	56.4	77.0	13 300				42.0
44.0	34.3	66.2	12 600*	36.9	67.9	14 200*	40.5	70.1	15 300*	43.8	71.9	14 900	48.9	74.1	13 700	53.5	75.6	12 400				44.0
46.0	29.8	62.9	11 800*	32.7	65.0	13 200*	36.7	67.5	14 100*	40.3	69.6	13 900	45.7	72.3	12 700	50.5	74.0	11 600				46.0
48.0	24.6	58.9	11 100*	28.0	61.5	12 300*	32.5	64.6	13 100*	36.5	67.1	13 100	42.3	70.2	11 900	47.4	72.2	10 800	51.9	73.5	9 700	48.0
50.0	18.0	53.7	10 700*	22.4	57.1	11 400*	27.8	61.1	12 200*	32.3	64.1	12 300	38.6	67.8	11 200	44.1	70.2	10 100	48.8	71.8	9 100	50.0
52.0				14.8	51.0	10 600*	22.1	56.7	11 400*	27.5	60.5	11 500	34.6	65.0	10 500	40.5	68.0	9 400	45.6	69.9	8 400	52.0
54.0							14.4	50.4	10 500*	21.7	56.1	10 800	30.2	61.8	9 800	36.7	65.5	8 800	42.2	67.8	7 900	54.0
56.0										13.8	49.7	10 200	25.1	57.9	9 300	32.5	62.5	8 300	38.5	65.4	7 400	56.0
58.0													18.6	52.8	8 700	27.8	59.0	7 800	34.5	62.7	6 900	58.0
60.0																22.1	54.6	7 300	30.1	59.4	6 400	60.0
62.0																14.5	48.4	6 900	24.9	55.5	6 100	62.0
64.0																			18.4	50.4	5 700	64.0



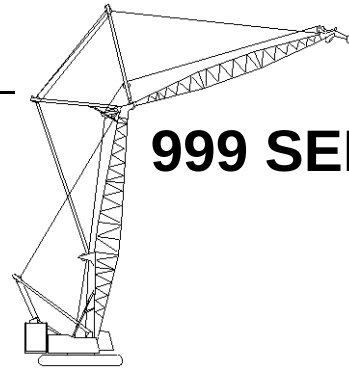
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

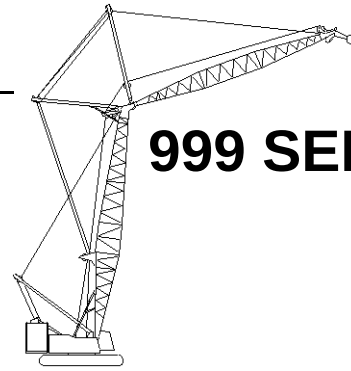
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.6	89.1	27 100*																			16.8
18.0	74.2	88.8	26 800*																			18.0
20.0	71.9	88.1	26 300*	73.3	88.4	30 900*																20.0
22.0	69.5	87.4	25 900*	71.0	87.8	30 600*																22.0
24.0	67.1	86.6	25 400*	68.6	87.0	29 300*																24.0
26.0	64.7	85.7	24 800*	66.2	86.2	27 500*	68.5	86.8	28 800													26.0
28.0	62.2	84.7	23 200*	63.8	85.2	25 900*	66.1	85.9	26 500													28.0
30.0	59.7	83.5	21 500*	61.3	84.2	24 500*	63.7	85.0	24 500	66.0	85.6	23 400										30.0
32.0	57.0	82.3	19 800*	58.7	83.0	23 100*	61.2	83.9	22 800	63.5	84.6	21 700										32.0
34.0	54.4	80.9	18 300*	56.1	81.7	21 300*	58.6	82.7	21 200	61.0	83.5	20 200										34.0
36.0	51.6	79.4	16 900*	53.4	80.3	19 400*	56.0	81.4	19 800	58.4	82.3	18 800										36.0
38.0	48.7	77.7	15 700*	50.5	78.7	17 800*	53.2	80.0	18 600	55.8	81.0	17 700	59.9	82.3	16 200							38.0
40.0	45.6	75.8	14 500*	47.6	76.9	16 300*	50.4	78.4	17 400	53.1	79.6	16 500	57.3	81.0	15 100							40.0
42.0	42.4	73.7	13 400*	44.5	75.0	15 100*	47.4	76.6	16 300	50.2	78.0	15 600	54.6	79.6	14 200							42.0
44.0	39.0	71.3	12 500*	41.2	72.8	13 900*	44.3	74.6	15 000*	47.3	76.2	14 600	51.8	78.1	13 300	56.0	79.3	12 100				44.0
46.0	35.3	68.6	11 700*	37.7	70.3	12 900*	41.0	72.4	13 900*	44.2	74.2	13 700	48.9	76.4	12 500	53.2	77.9	11 300				46.0
48.0	31.2	65.5	10 900*	33.9	67.5	12 000*	37.5	69.9	12 900*	40.9	72.0	12 800	45.9	74.6	11 700	50.4	76.3	10 500				48.0
50.0	26.6	61.9	10 300*	29.6	64.2	11 200*	33.7	67.1	12 000*	37.3	69.5	12 000	42.7	72.5	10 900	47.5	74.5	9 800				50.0
52.0	21.0	57.2	9 900*	24.7	60.2	10 500*	29.4	63.8	11 100*	33.5	66.6	11 300	39.3	70.2	10 200	44.4	72.6	9 200	48.8	74.1	8 200	52.0
54.0	13.3	50.6	8 900*	18.6	55.1	9 700*	24.4	59.8	10 400*	29.1	63.3	10 600	35.6	67.5	9 600	41.1	70.4	8 600	45.8	72.2	7 600	54.0
56.0				9.0	46.6	8 300*	18.2	54.5	9 700*	24.1	59.2	10 000	31.6	64.4	9 000	37.5	67.9	8 000	42.6	70.1	7 100	56.0
58.0										17.8	53.9	9 500	27.0	60.8	8 500	33.7	65.1	7 500	39.2	67.8	6 600	58.0
60.0													21.5	56.3	8 000	29.4	61.7	7 100	35.5	65.1	6 200	60.0
62.0													14.1	49.9	7 500	24.5	57.7	6 600	31.5	62.1	5 800	62.0
64.0																18.3	52.5	6 300	26.9	58.4	5 400	64.0
66.0																			21.4	53.9	5 100	66.0
68.0																			13.9	47.4	4 700	68.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

36.6m (120 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.8	91.8	24 600*																			18.3
20.0	72.9	91.3	24 200*																			20.0
22.0	70.7	90.7	23 800*	72.1	91.0	27 700*																22.0
24.0	68.5	89.9	23 300*	69.9	90.3	27 600*																24.0
26.0	66.2	89.0	22 900*	67.6	89.5	26 700*	69.8	90.0	26 700													26.0
28.0	63.9	88.1	22 400*	65.3	88.6	25 200*	67.5	89.3	26 100													28.0
30.0	61.5	87.0	20 800*	63.0	87.6	23 800*	65.2	88.4	23 900													30.0
32.0	59.1	85.9	19 300*	60.6	86.5	22 500*	62.9	87.4	22 200	65.1	88.0	21 100										32.0
34.0	56.6	84.6	18 000*	58.2	85.3	21 100*	60.5	86.3	20 700	62.8	87.0	19 700										34.0
36.0	54.1	83.2	16 700*	55.7	84.0	19 100*	58.1	85.1	19 300	60.4	85.9	18 300										36.0
38.0	51.4	81.7	15 500*	53.1	82.6	17 500*	55.6	83.7	18 100	57.9	84.7	17 100										38.0
40.0	48.7	80.0	14 400*	50.4	81.0	16 100*	53.0	82.3	16 900	55.4	83.3	16 000	59.3	84.6	14 600							40.0
42.0	45.8	78.1	13 300*	47.7	79.2	14 800*	50.3	80.7	15 900	52.8	81.9	15 100	56.8	83.3	13 700							42.0
44.0	42.8	76.0	12 400*	44.8	77.3	13 700*	47.5	78.9	14 800*	50.2	80.3	14 100	54.3	82.0	12 800							44.0
46.0	39.6	73.7	11 600*	41.7	75.1	12 600*	44.6	77.0	13 600*	47.4	78.5	13 300	51.7	80.4	12 000	55.6	81.7	10 800				46.0
48.0	36.2	71.1	10 800*	38.4	72.7	11 700*	41.5	74.8	12 600*	44.4	76.5	12 500	48.9	78.7	11 300	53.0	80.2	10 200				48.0
50.0	32.4	68.1	10 200*	34.9	70.0	10 900*	38.2	72.4	11 700*	41.3	74.3	11 700	46.1	76.9	10 600	50.3	78.6	9 500				50.0
52.0	28.3	64.6	9 600*	31.0	66.8	10 100*	34.7	69.6	10 900*	38.0	71.9	11 000	43.1	74.8	9 900	47.5	76.8	8 800	51.6	78.1	7 800	52.0
54.0	23.4	60.4	9 100*	26.6	63.1	9 400*	30.8	66.4	10 100*	34.5	69.1	10 300	39.9	72.5	9 300	44.6	74.9	8 200	48.9	76.4	7 300	54.0
56.0	17.2	54.9	8 300*	21.4	58.5	8 800*	26.4	62.7	9 400*	30.5	65.9	9 700	36.5	69.9	8 700	41.5	72.7	7 700	46.0	74.5	6 800	56.0
58.0				14.4	52.2	8 100*	21.1	58.1	8 800*	26.1	62.2	9 100	32.8	67.0	8 100	38.3	70.3	7 200	43.0	72.5	6 300	58.0
60.0							14.0	51.6	8 100*	20.7	57.4	8 600	28.6	63.6	7 700	34.7	67.5	6 800	39.8	70.2	5 900	60.0
62.0										13.5	50.8	8 100	23.8	59.4	7 200	30.8	64.4	6 300	36.4	67.6	5 400	62.0
64.0													17.8	54.1	6 800	26.4	60.7	5 900	32.7	64.6	5 100	64.0
66.0																21.1	56.0	5 500	28.5	61.2	4 700	66.0
68.0																14.0	49.5	5 200	23.7	57.0	4 400	68.0
70.0																			17.7	51.6	4 100	70.0



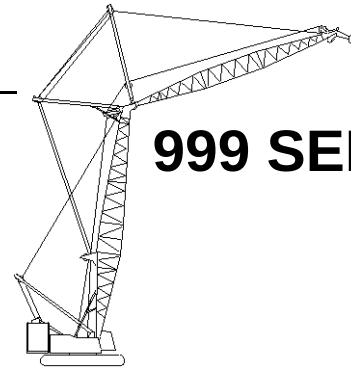
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

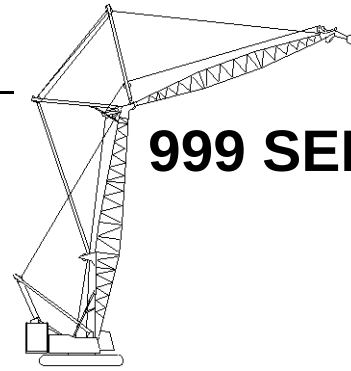
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



36.6m (120 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.6	95.0	22 200*																			18.3
20.0	73.8	94.5	22 000*																			20.0
22.0	71.7	93.9	21 700*	73.1	94.2	24 900*																22.0
24.0	69.6	93.2	21 300*	71.0	93.5	24 800*																24.0
26.0	67.5	92.4	21 000*	68.9	92.8	24 600*	70.9	93.3	23 800*													26.0
28.0	65.3	91.5	20 600*	66.7	92.0	24 300*	68.8	92.5	23 800*													28.0
30.0	63.1	90.5	20 100*	64.6	91.0	23 100*	66.6	91.7	23 400													30.0
32.0	60.9	89.4	18 900*	62.3	90.0	21 900*	64.4	90.8	21 900	66.5	91.3	20 800										32.0
34.0	58.6	88.2	17 600*	60.1	88.9	20 700*	62.2	89.8	20 300	64.3	90.4	19 300										34.0
36.0	56.2	86.9	16 400*	57.7	87.7	19 000*	60.0	88.6	19 000	62.1	89.4	18 000										36.0
38.0	53.8	85.5	15 300*	55.4	86.3	17 400*	57.6	87.4	17 700	59.8	88.3	16 800										38.0
40.0	51.3	84.0	14 300*	52.9	84.9	15 900*	55.2	86.1	16 600	57.5	87.0	15 700	61.1	88.1	14 300							40.0
42.0	48.7	82.3	13 300*	50.4	83.3	14 600*	52.8	84.6	15 600	55.1	85.7	14 800	58.8	87.0	13 400							42.0
44.0	46.0	80.4	12 400*	47.7	81.5	13 500*	50.2	83.0	14 600	52.6	84.2	13 900	56.4	85.7	12 500							44.0
46.0	43.2	78.3	11 600*	45.0	79.6	12 500*	47.6	81.2	13 400*	50.1	82.6	13 000	54.0	84.3	11 800	57.6	85.3	10 600				46.0
48.0	40.2	76.1	10 800*	42.1	77.4	11 500*	44.8	79.3	12 400*	47.5	80.8	12 300	51.5	82.7	11 100	55.3	84.0	9 900				48.0
50.0	37.0	73.5	10 200*	39.0	75.1	10 700*	41.9	77.1	11 500*	44.7	78.8	11 600	48.9	81.0	10 400	52.8	82.5	9 300				50.0
52.0	33.5	70.6	9 500*	35.7	72.4	10 000*	38.9	74.7	10 700*	41.8	76.7	10 800	46.2	79.2	9 700	50.3	80.9	8 700				52.0
54.0	29.7	67.3	8 900*	32.2	69.4	9 300*	35.6	72.1	9 900*	38.7	74.3	10 200	43.4	77.1	9 100	47.6	79.1	8 100	51.5	80.4	7 100	54.0
56.0	25.3	63.4	8 300*	28.2	65.9	8 600*	32.0	69.0	9 200*	35.4	71.6	9 500	40.4	74.9	8 500	44.9	77.2	7 500	48.9	78.7	6 600	56.0
58.0	20.1	58.6	7 700*	23.6	61.7	8 000*	28.0	65.5	8 600*	31.8	68.5	9 000	37.2	72.4	8 000	42.0	75.1	7 100	46.2	76.8	6 100	58.0
60.0	13.0	51.7	6 800*	17.9	56.3	7 500*	23.3	61.3	8 000*	27.7	65.0	8 400	33.8	69.5	7 500	38.9	72.7	6 600	43.3	74.8	5 700	60.0
62.0				9.1	47.7	6 400*	17.5	55.8	7 500*	23.0	60.7	8 000	30.0	66.3	7 000	35.6	70.0	6 100	40.3	72.5	5 300	62.0
64.0							8.5	46.8	6 700*	17.2	55.1	7 500	25.7	62.4	6 600	32.0	67.0	5 800	37.2	70.0	4 900	64.0
66.0													20.6	57.6	6 200	28.0	63.5	5 400	33.7	67.2	4 600	66.0
68.0													13.7	51.0	5 900	23.4	59.2	5 000	29.9	63.9	4 200	68.0
70.0																17.6	53.8	4 700	25.6	60.0	4 000	70.0
72.0																			20.5	55.2	3 700	72.0
74.0																			13.5	48.5	3 400	74.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

36.6m (120 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.8	97.7	20 000*																			19.8
20.0	74.7	97.7	20 000*																			20.0
22.0	72.7	97.1	19 800*																			22.0
24.0	70.7	96.4	19 600*	72.0	96.8	22 400*																24.0
26.0	68.7	95.7	19 300*	70.0	96.1	22 200*																26.0
28.0	66.7	94.8	19 000*	68.0	95.3	22 000*	69.9	95.8	21 400*													28.0
30.0	64.6	93.9	18 700*	65.9	94.4	21 800*	67.9	95.0	21 300*													30.0
32.0	62.5	92.9	18 200*	63.8	93.5	21 200*	65.8	94.2	21 200*	67.7	94.7	20 600										32.0
34.0	60.3	91.8	17 100*	61.7	92.4	20 200*	63.7	93.2	20 200	65.7	93.8	19 100										34.0
36.0	58.1	90.6	16 000*	59.5	91.3	19 100*	61.6	92.1	18 800	63.6	92.8	17 800										36.0
38.0	55.9	89.3	15 000*	57.3	90.0	17 600*	59.4	91.0	17 600	61.5	91.8	16 700										38.0
40.0	53.6	87.8	14 000*	55.1	88.7	16 100*	57.2	89.7	16 400	59.3	90.6	15 600										40.0
42.0	51.2	86.3	13 100*	52.7	87.2	14 800*	54.9	88.4	15 400	57.1	89.4	14 600	60.5	90.5	13 200							42.0
44.0	48.7	84.6	12 300*	50.3	85.6	13 700*	52.6	86.9	14 500	54.8	88.0	13 700	58.3	89.3	12 400							44.0
46.0	46.2	82.7	11 500*	47.8	83.8	12 600*	50.2	85.3	13 600*	52.5	86.5	12 900	56.1	88.0	11 600							46.0
48.0	43.5	80.7	10 700*	45.2	81.9	11 700*	47.7	83.5	12 600*	50.0	84.9	12 100	53.8	86.6	10 900							48.0
50.0	40.6	78.4	10 100*	42.5	79.8	10 800*	45.1	81.6	11 600*	47.5	83.1	11 400	51.4	85.0	10 300	55.0	86.3	9 100				50.0
52.0	37.6	75.9	9 500*	39.6	77.5	10 000*	42.3	79.5	10 800*	44.9	81.1	10 800	48.9	83.3	9 600	52.6	84.8	8 600				52.0
54.0	34.4	73.1	8 900*	36.5	74.9	9 300*	39.4	77.1	10 000*	42.2	79.0	10 200	46.4	81.5	9 100	50.2	83.2	8 000				54.0
56.0	30.9	70.0	8 300*	33.2	71.9	8 600*	36.3	74.5	9 300*	39.3	76.7	9 500	43.7	79.5	8 500	47.7	81.4	7 500	51.3	82.7	6 500	56.0
58.0	27.0	66.3	7 700*	29.5	68.6	8 000*	33.0	71.6	8 600*	36.2	74.0	9 000	40.9	77.2	8 000	45.1	79.5	7 000	48.9	81.0	6 100	58.0
60.0	22.4	61.9	7 200*	25.4	64.7	7 500*	29.3	68.2	8 000*	32.8	71.1	8 400	37.9	74.8	7 500	42.3	77.4	6 500	46.3	79.1	5 600	60.0
62.0	16.7	56.1	6 600*	20.5	59.9	7 000*	25.2	64.3	7 500*	29.1	67.7	7 900	34.7	72.0	7 000	39.5	75.1	6 100	43.6	77.1	5 200	62.0
64.0	7.3	46.4	5 300*	14.0	53.3	6 400*	20.2	59.4	6 900*	24.9	63.7	7 400	31.2	68.9	6 600	36.4	72.4	5 700	40.8	74.9	4 900	64.0
66.0							13.6	52.7	6 400*	19.9	58.8	6 900*	27.3	65.3	6 200	33.0	69.5	5 300	37.8	72.4	4 500	66.0
68.0										13.2	51.9	6 500*	22.8	60.9	5 800	29.4	66.2	5 000	34.6	69.6	4 200	68.0
70.0													17.2	55.3	5 400	25.2	62.2	4 600	31.1	66.5	3 900	70.0
72.0																20.3	57.4	4 300	27.2	62.9	3 600	72.0
74.0																13.7	50.7	4 000	22.7	58.5	3 300	74.0
76.0																			17.0	52.8	3 000	76.0



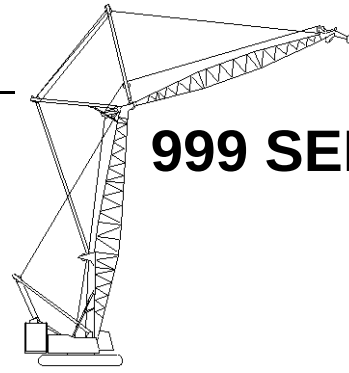
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

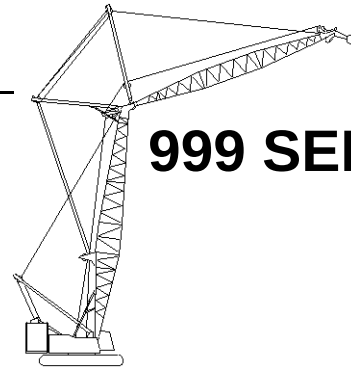
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



36.6m (120 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.6	100.9	18 200*																			19.8
20.0	75.4	100.9	18 200*																			20.0
22.0	73.5	100.3	18 000*																			22.0
24.0	71.7	99.6	17 800*	72.9	100.0	20 300*																24.0
26.0	69.8	98.9	17 500*	71.0	99.3	20 100*																26.0
28.0	67.8	98.1	17 400*	69.1	98.6	19 900*																28.0
30.0	65.9	97.3	17 200*	67.1	97.7	19 700*	69.0	98.3	19 200*													30.0
32.0	63.9	96.3	16 900*	65.2	96.8	19 500*	67.0	97.5	19 100*													32.0
34.0	61.9	95.3	16 500*	63.2	95.9	19 300*	65.1	96.6	19 000*	66.9	97.1	18 700										34.0
36.0	59.8	94.2	15 600*	61.1	94.8	18 400*	63.1	95.6	18 500	65.0	96.2	17 400										36.0
38.0	57.7	92.9	14 600*	59.1	93.6	17 300*	61.0	94.5	17 200	63.0	95.2	16 200										38.0
40.0	55.6	91.6	13 700*	56.9	92.4	15 900*	59.0	93.3	16 000	60.9	94.1	15 200										40.0
42.0	53.4	90.1	12 900*	54.8	91.0	14 600*	56.8	92.1	15 100	58.8	93.0	14 200	62.1	94.0	12 900							42.0
44.0	51.1	88.6	12 100*	52.5	89.5	13 400*	54.7	90.7	14 100	56.7	91.7	13 300	60.0	92.9	12 000							44.0
46.0	48.7	86.9	11 400*	50.2	87.9	12 400*	52.4	89.2	13 300	54.5	90.3	12 500	57.9	91.7	11 200							46.0
48.0	46.3	85.0	10 700*	47.9	86.1	11 400*	50.1	87.6	12 300*	52.3	88.8	11 800	55.8	90.3	10 500							48.0
50.0	43.7	83.0	10 000*	45.4	84.2	10 500*	47.7	85.8	11 400*	50.0	87.2	11 100	53.5	88.9	9 900							50.0
52.0	41.1	80.8	9 300*	42.8	82.1	9 800*	45.3	83.9	10 500*	47.6	85.4	10 400	51.3	87.3	9 300	54.7	88.6	8 200				52.0
54.0	38.2	78.3	8 600*	40.1	79.8	9 100*	42.7	81.8	9 700*	45.1	83.5	9 800	48.9	85.6	8 800	52.5	87.1	7 700				54.0
56.0	35.2	75.6	8 000*	37.2	77.3	8 400*	39.9	79.5	9 000*	42.5	81.3	9 300	46.5	83.8	8 200	50.1	85.5	7 200				56.0
58.0	32.0	72.6	7 500*	34.1	74.5	7 800*	37.0	76.9	8 400*	39.8	79.0	8 700	44.0	81.8	7 700	47.8	83.7	6 700	51.2	85.0	5 800	58.0
60.0	28.4	69.1	6 900*	30.7	71.3	7 200*	33.9	74.1	7 800*	36.9	76.5	8 200	41.3	79.6	7 200	45.3	81.8	6 300	48.9	83.3	5 400	60.0
62.0	24.3	65.0	6 400*	26.9	67.6	6 700*	30.5	70.9	7 200*	33.7	73.6	7 700	38.5	77.2	6 800	42.7	79.7	5 900	46.4	81.5	5 000	62.0
64.0	19.4	59.9	6 000*	22.6	63.2	6 300*	26.7	67.2	6 700*	30.3	70.4	7 200	35.5	74.5	6 300	39.9	77.4	5 400	43.9	79.4	4 600	64.0
66.0	12.8	52.8	5 200*	17.3	57.5	5 800*	22.4	62.7	6 200*	26.5	66.6	6 700*	32.2	71.5	5 900	37.1	74.9	5 100	41.2	77.2	4 300	66.0
68.0				9.2	48.8	4 900*	17.0	57.0	5 800*	22.1	62.1	6 200*	28.7	68.0	5 500	33.9	72.0	4 700	38.4	74.8	3 900	68.0
70.0							8.7	48.0	5 100*	16.6	56.3	5 800*	24.6	64.0	5 200	30.6	68.8	4 400	35.4	72.1	3 600	70.0
72.0													19.8	59.0	4 800	26.8	65.1	4 100	32.2	69.1	3 300	72.0
74.0													13.4	52.1	4 500	22.4	60.7	3 800	28.6	65.6	3 000	74.0
76.0																17.0	55.0	3 500	24.5	61.6	2 800	76.0
78.0																			19.7	56.5	2 500	78.0
80.0																			13.2	49.6	2 300	80.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

36.6m (120 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.9	103.7	16 400*																			21.3
22.0	74.3	103.5	16 400*																			22.0
24.0	72.5	102.9	16 100*																			24.0
26.0	70.7	102.2	16 000*	71.9	102.5	18 300*																26.0
28.0	68.9	101.4	15 700*	70.1	101.8	18 000*																28.0
30.0	67.0	100.6	15 500*	68.2	101.0	17 800*	70.0	101.6	17 400*													30.0
32.0	65.2	99.7	15 300*	66.4	100.2	17 600*	68.1	100.8	17 200*													32.0
34.0	63.3	98.7	15 100*	64.5	99.3	17 400*	66.3	99.9	17 100*													34.0
36.0	61.3	97.7	14 900*	62.6	98.3	17 200*	64.4	99.0	16 900*	66.2	99.6	16 900										36.0
38.0	59.4	96.5	14 200*	60.6	97.2	16 700*	62.5	98.0	16 700	64.3	98.6	15 800										38.0
40.0	57.3	95.3	13 400*	58.6	96.0	15 700*	60.5	96.9	15 600	62.4	97.6	14 700										40.0
42.0	55.3	93.9	12 600*	56.6	94.7	14 300*	58.5	95.7	14 600	60.4	96.5	13 800										42.0
44.0	53.2	92.4	11 900*	54.5	93.3	13 200*	56.5	94.4	13 700	58.4	95.3	12 900	61.5	96.4	11 600							44.0
46.0	51.0	90.9	11 100*	52.4	91.8	12 100*	54.4	93.0	12 900	56.4	94.0	12 100	59.5	95.2	10 800							46.0
48.0	48.7	89.2	10 500*	50.2	90.2	11 200*	52.3	91.5	12 000	54.3	92.6	11 300	57.5	94.0	10 100							48.0
50.0	46.4	87.3	9 800*	47.9	88.4	10 300*	50.1	89.9	11 100*	52.2	91.1	10 700	55.5	92.6	9 500							50.0
52.0	44.0	85.3	9 000*	45.5	86.5	9 500*	47.8	88.1	10 300*	49.9	89.5	10 000	53.3	91.2	8 900	56.5	92.3	7 700				52.0
54.0	41.5	83.1	8 300*	43.1	84.4	8 800*	45.4	86.2	9 500*	47.7	87.7	9 400	51.2	89.6	8 300	54.4	90.9	7 200				54.0
56.0	38.8	80.7	7 700*	40.5	82.2	8 100*	43.0	84.1	8 700*	45.3	85.8	8 900	48.9	87.9	7 800	52.3	89.4	6 800				56.0
58.0	36.0	78.1	7 200*	37.8	79.7	7 500*	40.4	81.8	8 100*	42.8	83.7	8 400	46.6	86.1	7 300	50.1	87.8	6 300				58.0
60.0	32.9	75.1	6 600*	34.9	76.9	7 000*	37.6	79.3	7 500*	40.2	81.4	7 900	44.2	84.1	6 900	47.8	86.0	5 900	51.1	87.3	5 000	60.0
62.0	29.6	71.8	6 100*	31.7	73.9	6 500*	34.7	76.6	6 900*	37.5	78.9	7 400	41.7	81.9	6 400	45.5	84.1	5 500	48.9	85.6	4 600	62.0
64.0	25.9	67.9	5 700*	28.3	70.3	6 000*	31.6	73.5	6 400*	34.6	76.1	6 900	39.0	79.5	6 000	43.0	82.1	5 100	46.6	83.8	4 200	64.0
66.0	21.5	63.3	5 300*	24.4	66.2	5 500*	28.1	69.9	6 000*	31.4	73.0	6 400*	36.2	76.9	5 600	40.4	79.8	4 800	44.1	81.8	3 900	66.0
68.0	16.2	57.3	4 800*	19.8	61.2	5 100*	24.2	65.8	5 500*	27.9	69.4	5 900*	33.2	74.0	5 200	37.7	77.3	4 400	41.6	79.6	3 600	68.0
70.0	7.6	47.5	3 700*	13.7	54.4	4 700*	19.5	60.7	5 100*	23.9	65.2	5 500*	29.9	70.7	4 900	34.7	74.5	4 100	38.9	77.2	3 300	70.0
72.0							13.3	53.8	4 700*	19.2	60.1	5 100*	26.2	66.9	4 600	31.6	71.4	3 700	36.1	74.6	3 000	72.0
74.0										12.9	53.0	4 700*	21.9	62.3	4 300	28.1	67.9	3 500	33.1	71.6	2 700	74.0
76.0													16.7	56.5	4 000	24.2	63.8	3 200	29.8	68.3	2 500	76.0
78.0																19.6	58.7	3 000	26.1	64.5	2 200	78.0
80.0																13.4	51.8	2 700	21.8	59.9	2 000	80.0
82.0																			16.5	54.0	1 800	82.0



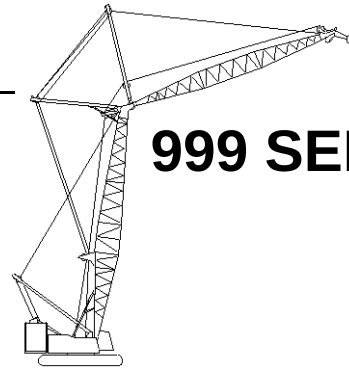
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

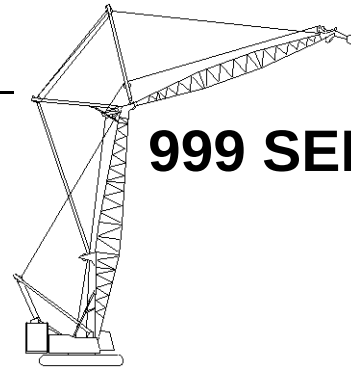
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



36.6m (120 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.6	106.8	15 400*																			21.3
22.0	75.0	106.6	15 300*																			22.0
24.0	73.3	106.1	15 100*																			24.0
26.0	71.6	105.4	15 000*	72.7	105.7	17 300*																26.0
28.0	69.9	104.7	14 700*	71.0	105.1	17 100*																28.0
30.0	68.1	103.9	14 600*	69.2	104.3	16 900*																30.0
32.0	66.3	103.1	14 300*	67.5	103.5	16 800*	69.1	104.1	16 600*													32.0
34.0	64.5	102.1	14 100*	65.7	102.6	16 500*	67.4	103.3	16 400*													34.0
36.0	62.7	101.1	13 700*	63.9	101.7	16 000*	65.6	102.4	16 300*													36.0
38.0	60.8	100.0	13 000*	62.0	100.6	15 200*	63.8	101.4	16 200*	65.5	102.0	15 400										38.0
40.0	58.9	98.9	12 300*	60.1	99.5	14 500*	61.9	100.4	15 300	63.7	101.0	14 400										40.0
42.0	57.0	97.6	11 600*	58.2	98.3	13 700*	60.1	99.3	14 300	61.8	100.0	13 400										42.0
44.0	55.0	96.2	10 900*	56.3	97.0	12 900*	58.1	98.0	13 400	59.9	98.9	12 600										44.0
46.0	53.0	94.8	10 300*	54.3	95.6	11 900*	56.2	96.7	12 600	58.0	97.7	11 800	61.0	98.8	10 500							46.0
48.0	50.9	93.2	9 700*	52.2	94.1	10 900*	54.2	95.3	11 800	56.1	96.3	11 000	59.1	97.6	9 800							48.0
50.0	48.8	91.5	9 200*	50.1	92.5	10 100*	52.1	93.8	10 900*	54.1	94.9	10 400	57.2	96.3	9 200							50.0
52.0	46.5	89.6	8 700*	48.0	90.7	9 300*	50.0	92.2	10 000*	52.0	93.4	9 700	55.2	95.0	8 600							52.0
54.0	44.2	87.6	8 200*	45.7	88.8	8 600*	47.8	90.4	9 300*	49.9	91.8	9 100	53.2	93.5	8 000	56.2	94.7	7 000				54.0
56.0	41.8	85.5	7 500*	43.4	86.8	7 900*	45.6	88.5	8 600*	47.7	90.0	8 600	51.1	91.9	7 500	54.2	93.3	6 500				56.0
58.0	39.3	83.1	7 000*	40.9	84.5	7 300*	43.2	86.4	7 900*	45.5	88.1	8 100	48.9	90.2	7 100	52.2	91.7	6 000				58.0
60.0	36.6	80.5	6 400*	38.3	82.1	6 700*	40.8	84.2	7 300*	43.1	86.0	7 600	46.7	88.4	6 600	50.0	90.1	5 600				60.0
62.0	33.7	77.6	5 900*	35.6	79.4	6 200*	38.2	81.7	6 700*	40.6	83.8	7 200	44.4	86.4	6 200	47.9	88.3	5 200	51.0	89.6	4 300	62.0
64.0	30.6	74.4	5 500*	32.6	76.4	5 800*	35.4	79.0	6 200*	38.0	81.3	6 700	42.0	84.3	5 800	45.6	86.4	4 900	48.9	87.9	3 900	64.0
66.0	27.2	70.7	5 100*	29.4	73.0	5 300*	32.5	76.0	5 700*	35.3	78.6	6 200*	39.5	81.9	5 400	43.3	84.4	4 500	46.7	86.1	3 600	66.0
68.0	23.4	66.4	4 700*	25.9	69.2	4 900*	29.3	72.7	5 300*	32.3	75.5	5 700*	36.8	79.3	5 000	40.8	82.1	4 200	44.4	84.1	3 300	68.0
70.0	18.7	61.2	4 300*	21.8	64.6	4 500*	25.7	68.8	4 900*	29.1	72.1	5 300*	34.0	76.5	4 700	38.2	79.7	3 900	42.0	81.9	3 000	70.0
72.0	12.6	53.9	3 600*	16.8	58.8	4 200*	21.6	64.1	4 500*	25.5	68.2	4 900*	30.9	73.3	4 400	35.5	77.0	3 600	39.4	79.6	2 800	72.0
74.0				9.3	49.9	3 400*	16.5	58.2	4 200*	21.3	63.5	4 500*	27.5	69.7	4 000	32.5	74.0	3 300	36.8	77.0	2 500	74.0
76.0							8.8	49.0	3 600*	16.1	57.5	4 200*	23.7	65.5	3 700	29.3	70.6	3 000	33.9	74.1	2 300	76.0
78.0													19.2	60.3	3 500	25.7	66.7	2 800	30.8	70.9	2 000	78.0
80.0													13.2	53.2	3 300	21.6	62.1	2 500				80.0
82.0																16.5	56.2	2 300				82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

36.6m (120 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.0	109.6	13 900*																			22.9
24.0	74.0	109.2	13 800*																			24.0
26.0	72.4	108.6	13 600*	73.4	108.9	15 700*																26.0
28.0	70.7	107.9	13 400*	71.8	108.3	15 500*																28.0
30.0	69.1	107.2	13 200*	70.1	107.6	15 400*																30.0
32.0	67.4	106.4	13 100*	68.4	106.8	15 200*	70.0	107.3	15 000*													32.0
34.0	65.7	105.5	12 900*	66.7	106.0	15 000*	68.4	106.6	14 800*													34.0
36.0	63.9	104.5	12 700*	65.0	105.1	14 800*	66.7	105.7	14 700*													36.0
38.0	62.2	103.5	12 400*	63.3	104.1	14 500*	64.9	104.8	14 600*	66.6	105.3	15 000										38.0
40.0	60.4	102.4	11 800*	61.5	103.0	13 800*	63.2	103.8	14 500	64.8	104.4	14 000										40.0
42.0	58.5	101.2	11 200*	59.7	101.9	13 200*	61.4	102.8	13 900	63.1	103.4	13 000										42.0
44.0	56.7	99.9	10 600*	57.9	100.7	12 500*	59.6	101.6	13 000	61.3	102.4	12 100										44.0
46.0	54.8	98.5	10 000*	56.0	99.3	11 700*	57.8	100.4	12 200	59.5	101.2	11 400	62.3	102.2	10 100							46.0
48.0	52.8	97.1	9 500*	54.1	97.9	10 700*	55.9	99.1	11 400	57.7	100.0	10 600	60.5	101.1	9 400							48.0
50.0	50.8	95.5	9 000*	52.1	96.4	9 800*	54.0	97.6	10 600	55.8	98.7	10 000	58.7	99.9	8 800							50.0
52.0	48.8	93.8	8 500*	50.1	94.8	9 000*	52.0	96.1	9 800*	53.9	97.2	9 300	56.8	98.7	8 200							52.0
54.0	46.6	91.9	7 900*	48.0	93.0	8 300*	50.0	94.5	9 000*	51.9	95.7	8 700	54.9	97.3	7 600							54.0
56.0	44.4	89.9	7 300*	45.8	91.1	7 600*	47.9	92.7	8 300*	49.9	94.1	8 200	53.0	95.8	7 100	55.9	97.0	6 100				56.0
58.0	42.1	87.8	6 700*	43.6	89.1	7 000*	45.7	90.8	7 600*	47.8	92.3	7 700	51.0	94.2	6 600	54.0	95.6	5 600				58.0
60.0	39.7	85.5	6 200*	41.3	86.9	6 500*	43.5	88.8	7 000*	45.6	90.4	7 200	48.9	92.5	6 200	52.0	94.0	5 200				60.0
62.0	37.2	82.9	5 700*	38.8	84.5	6 000*	41.2	86.5	6 500*	43.4	88.3	6 800	46.8	90.7	5 800	50.0	92.4	4 800				62.0
64.0	34.5	80.1	5 200*	36.2	81.8	5 500*	38.7	84.1	5 900*	41.0	86.1	6 400	44.6	88.7	5 400	47.9	90.6	4 400	50.9	91.9	3 600	64.0
66.0	31.6	77.0	4 800*	33.5	78.9	5 100*	36.1	81.5	5 500*	38.6	83.7	5 900*	42.3	86.6	5 000	45.8	88.7	4 100	48.9	90.2	3 200	66.0
68.0	28.4	73.5	4 400*	30.5	75.7	4 600*	33.3	78.6	5 000*	36.0	81.0	5 400*	39.9	84.3	4 700	43.5	86.7	3 800	46.8	88.4	2 900	68.0
70.0	24.9	69.5	4 000*	27.2	72.0	4 200*	30.3	75.3	4 600*	33.2	78.1	5 000*	37.4	81.8	4 400	41.2	84.5	3 500	44.6	86.4	2 600	70.0
72.0	20.8	64.7	3 700*	23.5	67.7	3 900*	27.0	71.6	4 200*	30.2	74.8	4 600*	34.7	79.0	4 100	38.7	82.1	3 200	42.3	84.3	2 400	72.0
74.0	15.7	58.5	3 300*	19.1	62.5	3 600*	23.3	67.3	3 900*	26.8	71.1	4 200*	31.8	75.9	3 800	36.1	79.4	2 900	39.9	81.9	2 100	74.0
76.0	7.9	48.7	2 300*	13.4	55.5	3 100*	18.9	62.0	3 500*	23.1	66.7	3 800*	28.7	72.4	3 500	33.4	76.5	2 700	37.3	79.4	1 900	76.0
78.0							13.1	54.9	3 200*	18.6	61.4	3 500*	25.2	68.5	3 200	30.4	73.2	2 500				78.0
80.0										12.7	54.1	3 200*	21.2	63.7	2 900	27.1	69.6	2 200				80.0
82.0													16.2	57.7	2 700	23.3	65.2	2 000				82.0



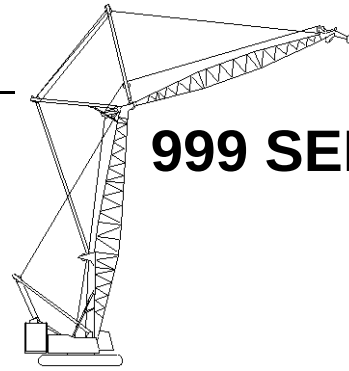
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

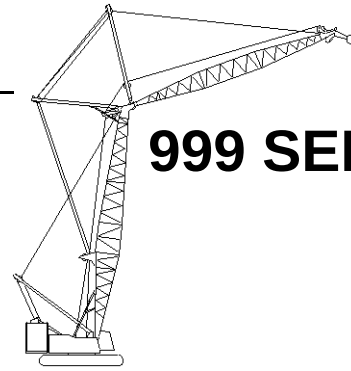


39.6m (130 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	62.7	60.8	54 400*b																			13.7
14.0	61.9	60.7	53 700*b																			14.0
16.0	55.5	59.4	48 700*b	59.9	60.2	51 900*b																16.0
18.0	48.6	57.8	44 600*	53.4	58.9	47 300*	60.1	60.0	49 200b													18.0
20.0	40.8	55.7	41 200*	46.3	57.1	43 300*	53.6	58.7	44 200	60.3	59.7	42 400b										20.0
22.0	31.4	52.9	38 100*	38.1	54.8	40 100*	46.5	56.9	40 100	53.8	58.4	38 500b										22.0
24.0	18.1	48.3	31 200*	28.0	51.6	37 100*	38.4	54.7	36 700	46.7	56.6	35 200	58.3	58.5	32 900b							24.0
26.0							28.3	51.5	33 900	38.6	54.4	32 400	51.6	57.1	30 100							26.0
28.0										28.6	51.3	29 800	44.2	55.2	27 700	55.9	56.9	25 900b				28.0
30.0													35.7	52.7	25 400	49.1	55.3	23 700				30.0
32.0													24.6	49.1	23 300	41.3	53.3	21 700				32.0
34.0																32.1	50.5	20 000	46.0	53.2	18 500	34.0
36.0																19.2	46.1	18 500	37.8	50.9	17 100	36.0
38.0																			27.5	47.6	15 900	38.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.4	64.2	52 700*b																			13.7
14.0	65.7	64.1	52 100*b																			14.0
16.0	60.3	63.1	47 300*b	64.0	63.7	50 400*b																16.0
18.0	54.7	61.7	43 400*	58.6	62.6	46 000*	64.2	63.5	48 100b													18.0
20.0	48.6	60.1	40 000*	52.9	61.2	42 300*	58.8	62.4	43 200	64.3	63.2	41 600b										20.0
22.0	41.9	58.1	36 700*	46.6	59.4	39 100*	53.1	61.0	39 300	58.9	62.1	37 600										22.0
24.0	34.1	55.4	32 600*	39.6	57.2	36 300*	46.8	59.2	35 900	53.2	60.7	34 300										24.0
26.0	24.2	51.7	29 600*	31.4	54.3	33 300*	39.9	57.1	33 000	47.0	59.0	31 600	57.1	60.9	29 400							26.0
28.0				20.1	50.0	29 400*	31.6	54.2	30 500	40.0	56.8	29 200	51.3	59.4	27 100							28.0
30.0							20.6	49.9	28 000	31.9	53.9	26 900	44.9	57.5	25 000							30.0
32.0										20.9	49.7	24 700	37.6	55.1	23 000	49.0	57.6	21 300				32.0
34.0													28.8	52.0	21 200	42.4	55.6	19 600				34.0
36.0													15.9	46.9	19 600	34.7	53.0	18 100	46.4	55.5	16 700	36.0
38.0																24.9	49.4	16 800	39.3	53.3	15 500	38.0
40.0																			31.0	50.3	14 400	40.0
42.0																			19.6	45.9	13 400	42.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.2	67.6	51 200*b																			13.7
14.0	68.5	67.4	50 600*b																			14.0
16.0	63.9	66.5	46 200*b	67.1	67.1	49 100*b																16.0
18.0	59.1	65.4	42 400*	62.5	66.1	44 900*	67.3	66.9	47 200b													18.0
20.0	54.1	64.0	39 200*	57.6	64.9	41 400*	62.6	65.9	42 400	67.4	66.6	40 800b										20.0
22.0	48.7	62.4	35 900*	52.5	63.5	38 300*	57.8	64.7	38 500	62.7	65.6	36 900										22.0
24.0	42.8	60.4	31 600*	46.9	61.7	35 600*	52.6	63.3	35 200	57.9	64.4	33 700										24.0
26.0	36.1	57.9	28 300*	40.8	59.6	33 100*	47.1	61.6	32 400	52.7	63.0	30 900	61.2	64.4	28 800							26.0
28.0	28.0	54.6	25 800*	33.7	56.9	30 100*	41.0	59.4	29 900	47.2	61.3	28 600	56.3	63.2	26 600							28.0
30.0	16.5	49.5	23 100*	25.0	53.2	27 300*	34.0	56.7	27 700	41.1	59.1	26 500	51.0	61.7	24 600							30.0
32.0				10.7	46.7	22 000*	25.3	53.1	25 500	34.2	56.5	24 400	45.4	59.8	22 700	54.4	61.6	21 000				32.0
34.0										25.5	52.9	22 600	39.0	57.5	21 000	49.0	59.9	19 300				34.0
36.0													31.7	54.6	19 400	43.2	58.0	17 900				36.0
38.0													22.1	50.6	18 000	36.5	55.5	16 600	46.7	57.8	15 200	38.0
40.0																28.6	52.3	15 400	40.5	55.6	14 100	40.0
42.0																17.5	47.4	14 400	33.4	52.9	13 100	42.0
44.0																			24.6	49.2	12 300	44.0



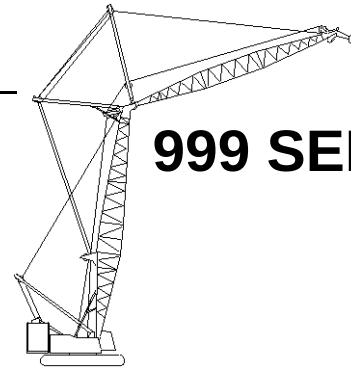
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

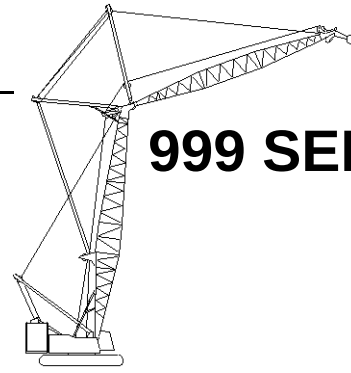
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.3	70.8	48 500*																			13.7
14.0	70.8	70.7	48 100*																			14.0
16.0	66.7	69.9	44 900*	69.5	70.4	47 600*																16.0
18.0	62.5	68.9	41 200*	65.4	69.5	43 700*																18.0
20.0	58.2	67.8	38 100*	61.2	68.5	40 300*	65.6	69.3	41 700													20.0
22.0	53.6	66.4	35 000*	56.8	67.2	37 300*	61.3	68.3	37 900	65.7	69.0	36 300										22.0
24.0	48.7	64.7	31 000*	52.1	65.8	34 700*	56.9	67.1	34 600	61.4	68.0	33 200										24.0
26.0	43.4	62.7	27 700*	47.1	64.0	32 400*	52.3	65.6	31 800	57.0	66.7	30 500										26.0
28.0	37.5	60.3	24 900*	41.7	61.9	30 100*	47.3	63.9	29 400	52.4	65.3	28 100	60.0	66.8	26 100							28.0
30.0	30.7	57.3	22 700*	35.5	59.4	27 000*	41.9	61.8	27 300	47.4	63.6	26 100	55.6	65.5	24 100							30.0
32.0	22.0	53.1	21 100*	28.3	56.1	24 500*	35.8	59.2	25 400	42.0	61.5	24 300	50.8	64.0	22 500							32.0
34.0				18.5	51.3	22 100*	28.5	55.9	23 500	35.9	58.9	22 500	45.7	62.1	20 800	53.9	63.9	19 200				34.0
36.0							18.9	51.2	21 700	28.7	55.7	20 800	40.1	59.9	19 200	49.0	62.2	17 700				36.0
38.0										19.2	51.0	19 300	33.8	57.2	17 800	43.8	60.3	16 400				38.0
40.0													26.0	53.6	16 600	37.9	57.9	15 300	46.9	60.1	14 000	40.0
42.0													14.9	48.0	15 500	31.2	54.9	14 200	41.4	58.0	13 000	42.0
44.0																22.7	50.9	13 300	35.3	55.4	12 100	44.0
46.0																			28.0	52.0	11 300	46.0
48.0																			18.0	47.2	10 600	48.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.1	74.0	44 500*b																			13.7
14.0	72.6	73.9	44 400*b																			14.0
16.0	69.0	73.2	43 000*	71.5	73.6	46 200*b																16.0
18.0	65.2	72.3	40 200*	67.8	72.9	42 600*																18.0
20.0	61.4	71.3	37 200*	64.0	71.9	39 400*	67.9	72.7	41 100													20.0
22.0	57.4	70.1	34 100*	60.2	70.8	36 500*	64.2	71.7	37 300													22.0
24.0	53.2	68.7	30 400*	56.1	69.6	34 000*	60.3	70.7	34 100	64.3	71.4	32 700										24.0
26.0	48.7	67.0	27 300*	51.8	68.1	31 700*	56.2	69.4	31 400	60.4	70.3	30 000										26.0
28.0	44.0	65.1	24 500*	47.3	66.3	29 600*	52.0	67.9	29 000	56.3	69.1	27 700										28.0
30.0	38.7	62.7	22 200*	42.4	64.3	26 800*	47.4	66.2	26 900	52.1	67.6	25 700	59.1	69.1	23 800							30.0
32.0	32.8	59.9	20 200*	37.0	61.8	24 100*	42.5	64.1	25 100	47.6	65.9	23 900	55.0	67.8	22 100							32.0
34.0	25.6	56.2	18 700*	30.7	58.7	22 000*	37.1	61.7	23 400	42.7	63.8	22 300	50.7	66.3	20 600							34.0
36.0	15.5	50.7	17 400*	22.9	54.7	20 300*	30.9	58.6	21 600	37.3	61.4	20 700	46.0	64.4	19 100	53.5	66.2	17 600				36.0
38.0				10.6	47.7	17 200*	23.2	54.6	20 100	31.1	58.4	19 200	41.0	62.3	17 700	49.0	64.5	16 300				38.0
40.0										23.4	54.4	17 900	35.4	59.7	16 500	44.3	62.6	15 100	51.7	64.2	13 800	40.0
42.0													28.8	56.4	15 400	39.1	60.3	14 100	47.1	62.4	12 800	42.0
44.0													20.4	51.9	14 400	33.2	57.5	13 200	42.2	60.3	12 000	44.0
46.0																26.1	53.9	12 300	36.7	57.8	11 200	46.0
48.0																16.4	48.6	11 600	30.4	54.7	10 400	48.0
50.0																			22.6	50.6	9 800	50.0



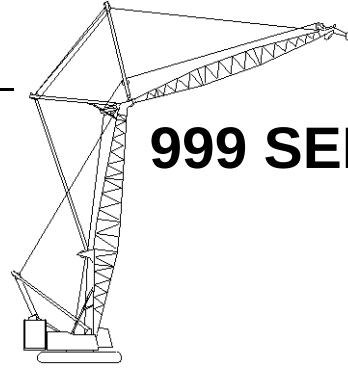
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

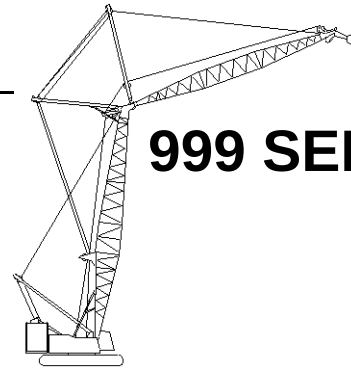
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.5	77.2	40 800*																			13.7
14.0	74.1	77.1	40 600*																			14.0
16.0	70.8	76.5	39 500*																			16.0
18.0	67.4	75.7	38 200*	69.8	76.1	41 300*																18.0
20.0	64.0	74.8	36 200*	66.4	75.3	38 300*	69.9	75.9	40 300													20.0
22.0	60.4	73.7	33 000*	62.9	74.3	35 600*	66.5	75.1	36 500													22.0
24.0	56.7	72.4	29 700*	59.3	73.2	33 100*	63.0	74.1	33 400													24.0
26.0	52.8	71.0	26 800*	55.5	71.9	31 000*	59.4	73.0	30 700	63.1	73.8	29 300										26.0
28.0	48.8	69.3	24 200*	51.6	70.4	29 000*	55.6	71.7	28 300	59.5	72.7	27 000										28.0
30.0	44.4	67.4	21 800*	47.4	68.6	26 600*	51.7	70.2	26 300	55.7	71.4	25 000										30.0
32.0	39.7	65.1	19 900*	43.0	66.6	24 000*	47.6	68.5	24 400	51.8	69.9	23 300	58.3	71.5	21 500							32.0
34.0	34.4	62.4	18 200*	38.1	64.2	21 700*	43.1	66.4	22 900	47.7	68.2	21 700	54.5	70.1	20 000							34.0
36.0	28.2	59.0	16 800*	32.6	61.3	19 800*	38.3	64.1	21 400	43.2	66.2	20 300	50.5	68.6	18 700							36.0
38.0	20.5	54.5	15 900*	26.1	57.7	18 300*	32.8	61.2	19 800	38.4	63.8	18 900	46.3	66.7	17 400	53.1	68.5	15 900				38.0
40.0				17.4	52.5	16 900*	26.3	57.6	18 500	32.9	60.9	17 600	41.7	64.6	16 100	49.0	66.8	14 800				40.0
42.0							17.7	52.5	17 100	26.5	57.3	16 400	36.7	62.1	15 100	44.7	64.9	13 700				42.0
44.0										17.9	52.3	15 400	31.0	59.1	14 100	40.0	62.7	12 800	47.3	64.7	11 600	44.0
46.0													24.1	55.1	13 200	34.7	60.0	11 900	42.8	62.7	10 800	46.0
48.0													14.2	49.2	12 400	28.7	56.7	11 200	37.9	60.3	10 100	48.0
50.0																21.0	52.2	10 500	32.4	57.3	9 400	50.0
52.0																			25.8	53.7	8 800	52.0
54.0																			16.9	48.4	8 300	54.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	80.4	37 800*																			13.7
14.0	75.3	80.3	37 600*																			14.0
16.0	72.3	79.7	36 200*																			16.0
18.0	69.2	79.0	35 100*	71.4	79.4	40 100*																18.0
20.0	66.1	78.1	34 400*	68.3	78.6	37 300*																20.0
22.0	62.9	77.2	32 100*	65.1	77.7	34 700*	68.4	78.4	35 900													22.0
24.0	59.6	76.0	29 000*	61.9	76.7	32 500*	65.2	77.5	32 700													24.0
26.0	56.1	74.7	26 300*	58.5	75.6	30 400*	62.0	76.5	30 100	65.3	77.2	28 700										26.0
28.0	52.5	73.3	23 800*	55.0	74.2	28 500*	58.6	75.4	27 800	62.0	76.2	26 500										28.0
30.0	48.8	71.6	21 600*	51.4	72.7	26 400*	55.1	74.0	25 700	58.7	75.0	24 500										30.0
32.0	44.8	69.7	19 600*	47.6	70.9	23 900*	51.5	72.5	23 900	55.2	73.7	22 800	61.0	75.0	21 000							32.0
34.0	40.5	67.5	17 900*	43.5	68.9	21 700*	47.7	70.8	22 400	51.6	72.2	21 200	57.6	73.8	19 500							34.0
36.0	35.7	64.9	16 500*	39.0	66.6	19 700*	43.6	68.8	20 900	47.8	70.5	19 900	54.1	72.4	18 200							36.0
38.0	30.3	61.7	15 300*	34.1	63.9	18 100*	39.2	66.5	19 600	43.7	68.5	18 700	50.4	70.9	17 100							38.0
40.0	23.8	57.7	14 400*	28.4	60.5	16 700*	34.3	63.7	18 300	39.3	66.2	17 400	46.5	69.1	15 900	52.8	70.8	14 500				40.0
42.0	14.8	51.8	13 500*	21.4	56.1	15 600*	28.6	60.4	17 000	34.4	63.4	16 200	42.3	67.0	14 800	49.0	69.1	13 500				42.0
44.0				10.5	48.8	13 400*	21.7	56.0	16 000	28.8	60.1	15 100	37.8	64.5	13 800	45.0	67.2	12 600				44.0
46.0										21.9	55.8	14 200	32.7	61.7	12 900	40.7	65.0	11 700	47.4	67.0	10 500	46.0
48.0													26.8	58.1	12 100	36.0	62.5	11 000	43.3	65.0	9 800	48.0
50.0													19.2	53.2	11 400	30.7	59.4	10 200	38.8	62.7	9 200	50.0
52.0																24.3	55.4	9 600	33.9	59.9	8 600	52.0
54.0																15.5	49.7	9 100	28.2	56.5	8 000	54.0
56.0																			21.1	52.0	7 600	56.0



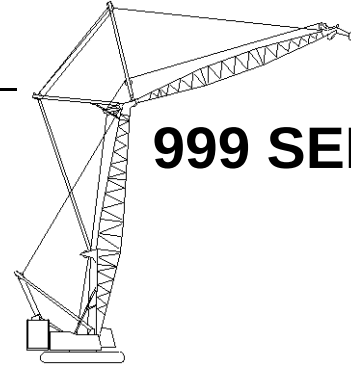
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

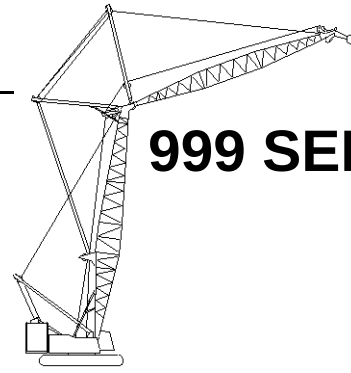
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	83.1	33 600*																			15.2
16.0	73.6	82.9	33 200*																			16.0
18.0	70.8	82.2	32 400*																			18.0
20.0	67.9	81.5	31 500*	69.9	81.9	36 100*																20.0
22.0	65.0	80.6	30 400*	67.0	81.1	33 700*	70.0	81.7	35 100													22.0
24.0	62.0	79.5	28 300*	64.0	80.2	31 600*	67.1	80.9	32 000													24.0
26.0	58.9	78.4	25 700*	61.0	79.1	29 600*	64.1	80.0	29 400	67.2	80.6	28 100										26.0
28.0	55.6	77.1	23 500*	57.9	77.9	27 800*	61.1	78.9	27 100	64.2	79.6	25 800										28.0
30.0	52.3	75.6	21 400*	54.6	76.5	26 000*	58.0	77.7	25 100	61.2	78.6	23 900										30.0
32.0	48.8	73.9	19 500*	51.2	75.0	23 700*	54.7	76.3	23 400	58.0	77.4	22 200										32.0
34.0	45.1	72.0	17 800*	47.7	73.2	21 600*	51.3	74.8	21 800	54.8	76.0	20 700	60.2	77.4	18 900							34.0
36.0	41.1	69.8	16 300*	43.9	71.3	19 800*	47.8	73.1	20 400	51.4	74.5	19 300	57.0	76.2	17 600							36.0
38.0	36.8	67.3	15 100*	39.8	69.0	18 100*	44.0	71.1	19 100	47.9	72.8	18 100	53.7	74.8	16 500							38.0
40.0	32.0	64.3	14 000*	35.4	66.3	16 600*	39.9	68.8	18 000	44.1	70.8	17 000	50.3	73.2	15 500	55.9	74.6	14 000				40.0
42.0	26.4	60.7	13 100*	30.3	63.2	15 400*	35.5	66.2	16 700	40.0	68.5	15 900	46.7	71.4	14 500	52.5	73.1	13 100				42.0
44.0	19.3	55.8	12 500*	24.4	59.2	14 300*	30.5	63.0	15 700	35.6	65.9	14 800	42.8	69.3	13 500	49.0	71.4	12 200				44.0
46.0				16.5	53.7	13 100*	24.6	59.1	14 700	30.6	62.8	13 900	38.7	66.9	12 600	45.3	69.6	11 400	51.1	71.1	10 100	46.0
48.0							16.8	53.7	13 500	24.7	58.9	13 000	34.1	64.2	11 800	41.4	67.4	10 600	47.5	69.3	9 400	48.0
50.0										17.0	53.5	12 300	28.9	60.8	11 100	37.1	64.9	9 900	43.7	67.3	8 800	50.0
52.0													22.6	56.6	10 400	32.3	62.0	9 300	39.6	65.0	8 200	52.0
54.0													13.7	50.3	9 800	26.8	58.3	8 700	35.2	62.4	7 700	54.0
56.0																19.8	53.6	8 200	30.1	59.2	7 200	56.0
58.0																			24.1	55.2	6 700	58.0
60.0																			16.1	49.6	6 300	60.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	86.3	31 000*																			15.2
16.0	74.7	86.1	30 600*																			16.0
18.0	72.1	85.5	29 800*																			18.0
20.0	69.5	84.7	29 100*	71.3	85.1	35 100*																20.0
22.0	66.8	83.9	28 600*	68.6	84.4	32 800*																22.0
24.0	64.0	83.0	27 200*	65.9	83.5	30 800*	68.7	84.2	31 800													24.0
26.0	61.1	81.9	25 100*	63.1	82.6	28 900*	66.0	83.3	29 200													26.0
28.0	58.2	80.7	23 000*	60.3	81.5	27 200*	63.2	82.4	27 000	66.0	83.0	25 700										28.0
30.0	55.2	79.4	21 000*	57.3	80.2	25 500*	60.3	81.3	25 000	63.3	82.0	23 800										30.0
32.0	52.1	77.9	19 300*	54.3	78.8	23 400*	57.4	80.0	23 300	60.4	80.9	22 100										32.0
34.0	48.8	76.2	17 700*	51.1	77.3	21 400*	54.4	78.7	21 700	57.5	79.7	20 600	62.4	80.9	18 900							34.0
36.0	45.4	74.3	16 200*	47.8	75.5	19 600*	51.2	77.1	20 300	54.4	78.3	19 300	59.5	79.8	17 600							36.0
38.0	41.7	72.2	14 900*	44.2	73.6	18 000*	47.9	75.4	19 100	51.3	76.8	18 100	56.5	78.5	16 500							38.0
40.0	37.7	69.7	13 800*	40.5	71.4	16 600*	44.4	73.4	17 900	47.9	75.1	16 900	53.4	77.1	15 400							40.0
42.0	33.3	66.9	12 800*	36.4	68.8	15 300*	40.6	71.2	16 900	44.4	73.1	16 000	50.2	75.5	14 500	55.4	76.9	13 100				42.0
44.0	28.4	63.5	12 000*	31.9	65.8	14 200*	36.5	68.6	15 700	40.7	70.9	14 900	46.8	73.7	13 600	52.3	75.4	12 300				44.0
46.0	22.4	59.2	11 400*	26.7	62.1	13 200*	32.0	65.6	14 700	36.6	68.4	14 000	43.3	71.6	12 700	49.0	73.7	11 500				46.0
48.0	14.3	52.9	10 800*	20.3	57.4	12 400*	26.9	62.0	13 900	32.1	65.4	13 100	39.4	69.3	11 900	45.6	71.9	10 700	51.0	73.4	9 500	48.0
50.0				10.5	49.9	10 700*	20.5	57.4	13 000	27.0	61.8	12 300	35.3	66.7	11 100	41.9	69.7	10 000	47.6	71.6	8 900	50.0
52.0										20.7	57.1	11 600	30.6	63.5	10 500	38.0	67.3	9 400	44.1	69.6	8 300	52.0
54.0													25.1	59.6	9 800	33.6	64.5	8 800	40.3	67.4	7 800	54.0
56.0													18.2	54.5	9 300	28.7	61.1	8 200	36.2	64.8	7 300	56.0
58.0																22.9	56.9	7 700	31.7	61.8	6 800	58.0
60.0																14.9	50.9	7 300	26.5	58.1	6 400	60.0
62.0																			20.0	53.3	6 000	62.0
64.0																			9.9	45.6	5 600	64.0



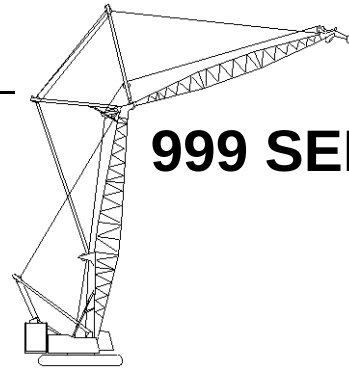
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

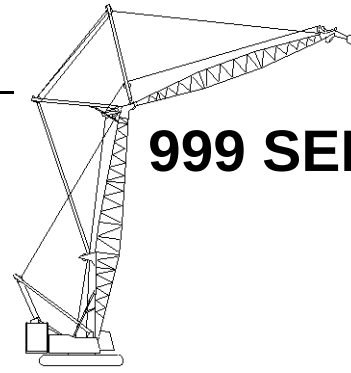
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.8	89.0	28 000*																			16.8
18.0	73.3	88.7	27 700*																			18.0
20.0	70.8	88.0	27 000*	72.5	88.4	32 300*																20.0
22.0	68.3	87.2	26 200*	70.0	87.7	31 800*																22.0
24.0	65.7	86.4	25 600*	67.5	86.9	29 900*																24.0
26.0	63.1	85.4	24 300*	64.9	86.0	28 100*	67.6	86.7	28 600													26.0
28.0	60.4	84.3	22 400*	62.3	85.0	26 500*	65.0	85.8	26 400													28.0
30.0	57.7	83.1	20 600*	59.6	83.8	24 800*	62.4	84.8	24 400	65.1	85.4	23 200										30.0
32.0	54.8	81.7	18 900*	56.8	82.6	23 000*	59.7	83.6	22 700	62.4	84.4	21 500										32.0
34.0	51.9	80.2	17 400*	53.9	81.2	21 100*	56.9	82.4	21 100	59.7	83.3	20 100										34.0
36.0	48.8	78.5	16 100*	51.0	79.6	19 500*	54.0	81.0	19 800	57.0	82.1	18 700	61.6	83.3	17 100							36.0
38.0	45.6	76.6	14 800*	47.8	77.8	17 900*	51.0	79.4	18 500	54.1	80.7	17 600	58.9	82.1	15 900							38.0
40.0	42.2	74.5	13 700*	44.6	75.9	16 500*	47.9	77.7	17 400	51.1	79.1	16 400	56.1	80.8	14 900							40.0
42.0	38.5	72.1	12 700*	41.1	73.7	15 300*	44.7	75.7	16 400	48.0	77.4	15 500	53.2	79.4	14 000							42.0
44.0	34.5	69.4	11 800*	37.3	71.2	14 100*	41.2	73.5	15 500	44.7	75.4	14 600	50.1	77.8	13 100	55.0	79.2	11 800				44.0
46.0	30.1	66.1	11 100*	33.2	68.3	13 100*	37.4	71.1	14 500	41.3	73.3	13 700	47.0	76.0	12 400	52.1	77.7	11 100				46.0
48.0	24.9	62.2	10 500*	28.5	64.9	12 300*	33.3	68.2	13 600	37.5	70.8	12 800	43.7	74.0	11 600	49.0	76.0	10 400				48.0
50.0	18.4	57.1	10 100*	23.1	60.7	11 600*	28.7	64.8	12 800	33.4	67.9	12 000	40.1	71.7	10 800	45.8	74.2	9 700	50.8	75.7	8 500	50.0
52.0				15.8	54.9	10 500*	23.2	60.6	12 000	28.8	64.5	11 300	36.3	69.1	10 100	42.4	72.1	9 000	47.7	73.9	7 900	52.0
54.0							16.1	54.9	11 000*	23.4	60.4	10 600	32.0	66.1	9 600	38.8	69.7	8 400	44.4	72.0	7 400	54.0
56.0										16.3	54.7	10 000	27.2	62.5	9 000	34.8	67.0	7 900	40.9	69.8	6 900	56.0
58.0													21.4	58.0	8 500	30.4	63.8	7 400	37.2	67.2	6 500	58.0
60.0													13.3	51.4	7 900	25.2	59.9	6 900	33.0	64.3	6 000	60.0
62.0																18.9	54.9	6 500	28.3	60.9	5 600	62.0
64.0																8.6	46.4	6 200	22.8	56.6	5 300	64.0
66.0																			15.5	50.7	5 000	66.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.7	92.2	25 800*																			16.8
18.0	74.3	91.8	25 500*																			18.0
20.0	72.0	91.2	24 900*	73.6	91.6	29 300*																20.0
22.0	69.6	90.5	24 200*	71.3	90.9	29 200*																22.0
24.0	67.2	89.7	23 800*	68.9	90.2	28 900*																24.0
26.0	64.8	88.8	23 200*	66.5	89.3	27 400*	69.0	90.0	28 100													26.0
28.0	62.3	87.8	21 700*	64.1	88.4	25 800*	66.6	89.1	25 800													28.0
30.0	59.8	86.6	20 100*	61.6	87.3	24 100*	64.1	88.2	23 900	66.6	88.8	22 700										30.0
32.0	57.2	85.4	18 600*	59.0	86.2	22 400*	61.6	87.1	22 200	64.2	87.9	21 100										32.0
34.0	54.5	84.0	17 100*	56.4	84.9	20 800*	59.1	86.0	20 700	61.7	86.8	19 600										34.0
36.0	51.7	82.5	15 900*	53.7	83.5	19 200*	56.4	84.7	19 300	59.1	85.7	18 300										36.0
38.0	48.8	80.8	14 700*	50.8	81.9	17 800*	53.7	83.3	18 100	56.5	84.4	17 100	60.9	85.7	15 500							38.0
40.0	45.8	78.9	13 600*	47.9	80.1	16 400*	50.9	81.7	17 000	53.8	83.0	16 000	58.3	84.5	14 500							40.0
42.0	42.6	76.8	12 600*	44.8	78.2	15 200*	48.0	80.0	16 000	51.0	81.4	15 100	55.7	83.1	13 600							42.0
44.0	39.2	74.5	11 700*	41.6	76.1	14 100*	44.9	78.0	15 000	48.1	79.7	14 200	52.9	81.7	12 800							44.0
46.0	35.5	71.8	11 000*	38.1	73.6	13 100*	41.7	75.9	14 200	45.0	77.7	13 400	50.1	80.1	12 000	54.7	81.5	10 700				46.0
48.0	31.5	68.8	10 300*	34.3	70.8	12 200*	38.2	73.5	13 400	41.7	75.6	12 600	47.1	78.3	11 300	51.9	80.0	10 000				48.0
50.0	26.8	65.1	9 700*	30.1	67.6	11 400*	34.4	70.7	12 500	38.3	73.2	11 800	44.0	76.3	10 600	49.0	78.3	9 400				50.0
52.0	21.3	60.5	9 300*	25.3	63.7	10 800*	30.2	67.5	11 800	34.5	70.4	11 100	40.7	74.1	9 900	46.0	76.5	8 800	50.7	78.0	7 700	52.0
54.0	13.8	54.1	8 700*	19.3	58.7	10 000*	25.4	63.6	11 100	30.3	67.2	10 400	37.1	71.5	9 300	42.8	74.4	8 200	47.8	76.2	7 100	54.0
56.0				10.5	51.0	8 300*	19.5	58.7	10 300*	25.5	63.4	9 800	33.2	68.6	8 700	39.4	72.1	7 700	44.7	74.3	6 600	56.0
58.0										19.7	58.5	9 200	28.9	65.3	8 200	35.8	69.4	7 100	41.4	72.1	6 200	58.0
60.0													23.8	61.2	7 700	31.7	66.4	6 700	37.9	69.7	5 800	60.0
62.0													17.4	55.7	7 300	27.2	62.8	6 300	34.1	66.9	5 400	62.0
64.0													6.2	45.8	6 800	21.7	58.3	5 900	29.9	63.6	5 000	64.0
66.0																14.4	52.0	5 500	25.1	59.7	4 700	66.0
68.0																			19.0	54.6	4 300	68.0
70.0																			9.9	46.6	4 100	70.0



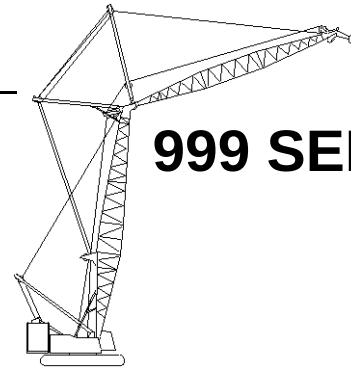
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

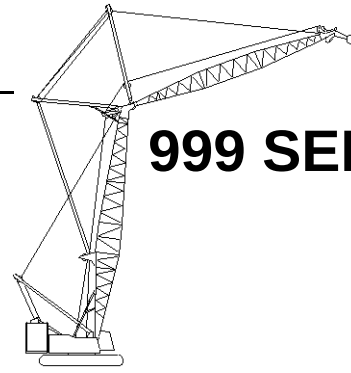
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



39.6m (130 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.9	94.9	23 200*																			18.3
20.0	73.0	94.4	22 900*																			20.0
22.0	70.8	93.7	22 300*	72.3	94.1	26 300*																22.0
24.0	68.6	93.0	21 900*	70.1	93.4	26 200*																24.0
26.0	66.3	92.1	21 500*	67.9	92.6	26 000*	70.2	93.2	25 400*													26.0
28.0	64.0	91.2	20 800*	65.6	91.8	24 800*	67.9	92.4	25 000													28.0
30.0	61.6	90.2	19 700*	63.3	90.8	23 300*	65.7	91.6	23 400													30.0
32.0	59.2	89.0	18 200*	60.9	89.7	21 900*	63.3	90.6	21 700	65.7	91.2	20 500										32.0
34.0	56.8	87.7	16 900*	58.5	88.5	20 400*	61.0	89.5	20 200	63.4	90.3	19 100										34.0
36.0	54.2	86.3	15 700*	56.0	87.2	19 000*	58.5	88.3	18 800	61.0	89.2	17 800										36.0
38.0	51.6	84.8	14 600*	53.4	85.8	17 700*	56.1	87.0	17 600	58.6	88.0	16 600										38.0
40.0	48.8	83.1	13 500*	50.7	84.2	16 400*	53.5	85.6	16 500	56.1	86.7	15 500	60.3	88.0	14 000							40.0
42.0	46.0	81.2	12 600*	48.0	82.5	15 200*	50.8	84.0	15 500	53.5	85.3	14 600	57.8	86.8	13 100							42.0
44.0	43.0	79.2	11 700*	45.1	80.5	14 200*	48.1	82.3	14 600	50.9	83.7	13 700	55.3	85.5	12 300							44.0
46.0	39.8	76.9	10 900*	42.0	78.4	13 200*	45.2	80.4	13 800	48.1	82.0	12 900	52.7	84.0	11 500	56.9	85.2	10 200				46.0
48.0	36.4	74.3	10 200*	38.8	76.0	12 300*	42.1	78.2	13 000	45.2	80.1	12 100	50.0	82.4	10 800	54.4	83.8	9 500				48.0
50.0	32.6	71.3	9 600*	35.3	73.3	11 400*	38.9	75.8	12 300	42.2	77.9	11 500	47.2	80.6	10 200	51.7	82.3	8 900				50.0
52.0	28.5	67.9	9 100*	31.4	70.2	10 700*	35.4	73.2	11 500	38.9	75.6	10 800	44.3	78.6	9 600	49.0	80.6	8 400				52.0
54.0	23.7	63.7	8 700*	27.1	66.6	10 000*	31.5	70.1	10 700*	35.5	72.9	10 100	41.2	76.4	9 000	46.2	78.8	7 800	50.6	80.3	6 800	54.0
56.0	17.6	58.3	8 200*	22.0	62.1	9 300*	27.2	66.5	10 000*	31.6	69.8	9 500	37.9	73.9	8 400	43.2	76.7	7 300	47.9	78.5	6 300	56.0
58.0				15.3	56.0	8 000*	22.1	62.0	9 400*	27.3	66.2	9 000	34.3	71.2	7 900	40.0	74.5	6 800	44.9	76.6	5 800	58.0
60.0							15.5	56.0	8 400*	22.3	61.8	8 400	30.3	67.9	7 400	36.6	71.9	6 400	41.9	74.4	5 400	60.0
62.0										15.7	55.9	8 000	25.8	64.1	6 900	32.9	69.0	5 900	38.6	72.0	5 000	62.0
64.0													20.4	59.3	6 500	28.8	65.5	5 600	35.1	69.3	4 700	64.0
66.0													12.9	52.5	6 100	24.0	61.4	5 200	31.2	66.2	4 300	66.0
68.0																18.1	56.1	4 900	26.9	62.6	4 000	68.0
70.0																8.8	47.5	4 600	21.7	58.1	3 700	70.0
72.0																			14.9	51.9	3 400	72.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

39.6m (130 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.7	98.1	21 200*																			18.3
20.0	73.9	97.6	21 000*																			20.0
22.0	71.9	97.0	20 500*	73.3	97.3	23 900*																22.0
24.0	69.8	96.3	20 200*	71.2	96.7	23 700*																24.0
26.0	67.6	95.5	19 800*	69.1	95.9	23 600*																26.0
28.0	65.5	94.6	19 400*	67.0	95.1	23 300*	69.2	95.7	22 800*													28.0
30.0	63.3	93.6	18 900*	64.8	94.2	22 300*	67.0	94.9	22 700													30.0
32.0	61.0	92.5	17 700*	62.6	93.2	21 000*	64.9	94.0	21 300	67.1	94.6	20 200										32.0
34.0	58.7	91.3	16 500*	60.3	92.1	19 800*	62.6	93.0	19 800	64.9	93.7	18 800										34.0
36.0	56.4	90.1	15 400*	58.0	90.9	18 500*	60.4	91.9	18 500	62.7	92.7	17 500										36.0
38.0	53.9	88.6	14 300*	55.6	89.5	17 300*	58.1	90.7	17 300	60.4	91.6	16 300										38.0
40.0	51.4	87.1	13 400*	53.2	88.1	16 200*	55.7	89.3	16 200	58.1	90.4	15 300	62.0	91.5	13 700							40.0
42.0	48.8	85.4	12 400*	50.6	86.5	15 000*	53.2	87.9	15 200	55.7	89.0	14 300	59.7	90.4	12 800							42.0
44.0	46.1	83.5	11 600*	48.0	84.8	14 000*	50.7	86.3	14 300	53.3	87.6	13 400	57.4	89.1	12 000							44.0
46.0	43.3	81.5	10 900*	45.3	82.8	13 100*	48.1	84.6	13 400	50.8	86.0	12 600	55.0	87.8	11 200							46.0
48.0	40.3	79.2	10 100*	42.4	80.7	12 200*	45.4	82.7	12 700	48.2	84.3	11 900	52.5	86.3	10 500	56.5	87.6	9 300				48.0
50.0	37.1	76.7	9 500*	39.4	78.4	11 300*	42.5	80.6	12 000	45.4	82.4	11 200	50.0	84.7	9 900	54.1	86.2	8 700				50.0
52.0	33.7	73.9	9 000*	36.1	75.8	10 500*	39.5	78.2	11 300*	42.6	80.3	10 600	47.3	82.9	9 300	51.6	84.6	8 200				52.0
54.0	29.9	70.6	8 500*	32.5	72.8	9 800*	36.2	75.6	10 500*	39.5	77.9	10 000	44.5	80.9	8 800	49.0	82.9	7 600				54.0
56.0	25.6	66.7	8 100*	28.6	69.4	9 200*	32.7	72.7	9 800*	36.3	75.3	9 300	41.6	78.7	8 200	46.3	81.1	7 200	50.5	82.6	6 100	56.0
58.0	20.4	61.9	7 800*	24.1	65.2	8 600*	28.7	69.2	9 200*	32.7	72.4	8 800	38.5	76.3	7 700	43.5	79.1	6 700	47.9	80.8	5 700	58.0
60.0	13.5	55.2	6 600*	18.6	60.0	7 700*	24.2	65.2	8 600*	28.8	69.0	8 200	35.2	73.6	7 200	40.5	76.8	6 200	45.2	78.9	5 200	60.0
62.0				10.4	52.1	6 300*	18.7	60.0	8 000*	24.4	64.9	7 800	31.5	70.5	6 800	37.3	74.3	5 800	42.3	76.8	4 900	62.0
64.0							10.8	52.2	6 800*	18.9	59.8	7 300	27.5	67.0	6 300	33.9	71.5	5 400	39.2	74.4	4 500	64.0
66.0													22.8	62.6	6 000	30.1	68.2	5 000	36.0	71.8	4 100	66.0
68.0													16.8	56.9	5 600	25.9	64.4	4 700	32.4	68.8	3 800	68.0
70.0													6.7	47.0	5 300	20.8	59.7	4 400	28.4	65.3	3 500	70.0
72.0																14.0	53.1	4 100	23.9	61.2	3 300	72.0
74.0																			18.3	55.9	3 000	74.0
76.0																			10.0	47.7	2 800	76.0



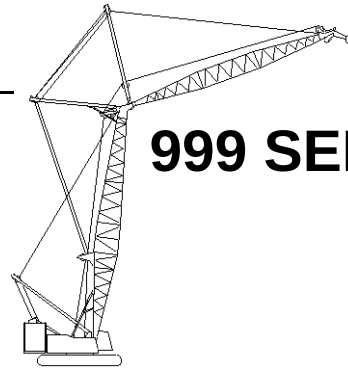
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

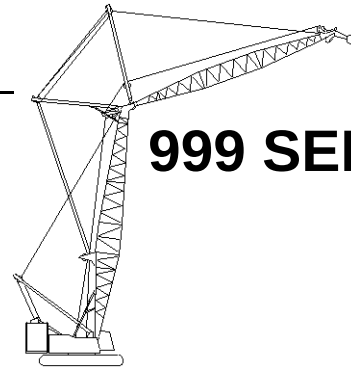
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



39.6m (130 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.9	100.8	19 100*																			19.8
20.0	74.8	100.8	19 100*																			20.0
22.0	72.8	100.2	18 900*																			22.0
24.0	70.8	99.5	18 600*	72.2	99.9	21 500*																24.0
26.0	68.8	98.8	18 300*	70.2	99.2	21 400*																26.0
28.0	66.8	97.9	18 000*	68.2	98.4	21 200*	70.3	99.0	20 600*													28.0
30.0	64.7	97.0	17 600*	66.1	97.6	21 000*	68.2	98.2	20 500*													30.0
32.0	62.6	96.0	17 100*	64.1	96.6	20 100*	66.2	97.3	20 500*													32.0
34.0	60.4	94.9	16 000*	61.9	95.6	19 000*	64.1	96.4	19 700	66.2	97.0	18 600										34.0
36.0	58.3	93.7	15 000*	59.8	94.4	17 900*	62.0	95.4	18 300	64.2	96.1	17 300										36.0
38.0	56.0	92.4	14 000*	57.6	93.2	16 900*	59.8	94.2	17 100	62.0	95.1	16 200										38.0
40.0	53.7	91.0	13 100*	55.3	91.9	15 800*	57.6	93.0	16 000	59.9	93.9	15 100										40.0
42.0	51.3	89.4	12 300*	53.0	90.4	14 800*	55.4	91.7	15 100	57.7	92.7	14 100	61.4	93.9	12 700							42.0
44.0	48.9	87.7	11 500*	50.6	88.8	13 900*	53.0	90.2	14 100	55.4	91.4	13 300	59.2	92.7	11 800							44.0
46.0	46.3	85.9	10 700*	48.1	87.1	12 900*	50.6	88.6	13 300	53.1	89.9	12 500	57.0	91.5	11 100							46.0
48.0	43.6	83.8	10 000*	45.5	85.1	12 100*	48.1	86.9	12 600	50.7	88.3	11 700	54.7	90.1	10 400							48.0
50.0	40.8	81.6	9 400*	42.8	83.1	11 400*	45.6	85.0	11 800	48.2	86.6	11 100	52.3	88.6	9 800	56.2	89.9	8 500				50.0
52.0	37.8	79.1	8 900*	39.9	80.8	10 600*	42.8	82.9	11 200	45.6	84.7	10 400	49.9	87.0	9 200	53.8	88.5	8 000				52.0
54.0	34.6	76.3	8 400*	36.8	78.2	9 900*	40.0	80.6	10 600	42.9	82.6	9 800	47.4	85.2	8 600	51.5	86.9	7 500				54.0
56.0	31.1	73.2	7 900*	33.5	75.3	9 200*	36.9	78.0	9 900*	40.0	80.3	9 300	44.8	83.2	8 100	49.0	85.2	7 000				56.0
58.0	27.2	69.6	7 600*	29.9	72.0	8 600*	33.6	75.2	9 200*	37.0	77.8	8 800	42.0	81.1	7 600	46.5	83.4	6 600	50.5	84.9	5 500	58.0
60.0	22.7	65.2	7 200*	25.9	68.2	8 000*	30.0	71.9	8 600*	33.7	74.9	8 200	39.1	78.7	7 200	43.8	81.4	6 100	48.0	83.1	5 100	60.0
62.0	17.0	59.5	6 500*	21.1	63.5	7 400*	26.0	68.1	8 000*	30.1	71.6	7 700	36.0	76.1	6 700	41.0	79.2	5 700	45.4	81.2	4 700	62.0
64.0	8.1	50.3	5 100*	14.8	57.2	6 400*	21.2	63.4	7 500*	26.1	67.8	7 300	32.6	73.1	6 300	38.0	76.7	5 300	42.6	79.1	4 400	64.0
66.0							15.1	57.2	6 700*	21.3	63.2	6 800	28.9	69.7	5 900	34.8	74.0	5 000	39.8	76.8	4 100	66.0
68.0										15.2	57.0	6 400	24.7	65.7	5 500	31.3	70.8	4 600	36.7	74.2	3 800	68.0
70.0													19.6	60.7	5 200	27.4	67.2	4 300	33.4	71.3	3 500	70.0
72.0													12.7	53.6	4 800	23.0	62.9	4 000	29.8	68.0	3 200	72.0
74.0																17.4	57.4	3 700	25.7	64.2	2 900	74.0
76.0																8.9	48.6	3 500	20.8	59.4	2 700	76.0
78.0																			14.5	53.0	2 500	78.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

39.6m (130 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.7	104.0	17 500*																			19.8
20.0	75.5	103.9	17 500*																			20.0
22.0	73.6	103.4	17 300*																			22.0
24.0	71.8	102.7	17 100*																			24.0
26.0	69.9	102.0	16 900*	71.2	102.4	19 400*																26.0
28.0	67.9	101.2	16 600*	69.3	101.7	19 200*																28.0
30.0	66.0	100.4	16 300*	67.3	100.9	19 000*	69.3	101.5	18 600*													30.0
32.0	64.0	99.4	16 000*	65.4	100.0	18 900*	67.4	100.7	18 500*													32.0
34.0	62.0	98.4	15 600*	63.4	99.0	18 300*	65.4	99.8	18 400*	67.4	100.3	18 100										34.0
36.0	59.9	97.3	14 600*	61.4	98.0	17 300*	63.4	98.8	17 900	65.5	99.5	16 900										36.0
38.0	57.8	96.0	13 700*	59.3	96.8	16 400*	61.4	97.8	16 700	63.5	98.5	15 700										38.0
40.0	55.7	94.7	12 800*	57.2	95.5	15 400*	59.4	96.6	15 700	61.5	97.4	14 700										40.0
42.0	53.5	93.3	12 000*	55.0	94.2	14 500*	57.2	95.3	14 700	59.4	96.3	13 800										42.0
44.0	51.2	91.7	11 300*	52.8	92.7	13 600*	55.1	94.0	13 800	57.3	95.0	12 900	60.8	96.3	11 500							44.0
46.0	48.9	90.0	10 600*	50.5	91.1	12 800*	52.9	92.5	12 900	55.1	93.7	12 100	58.7	95.1	10 700							46.0
48.0	46.4	88.2	10 000*	48.1	89.4	12 000*	50.6	90.9	12 200	52.9	92.2	11 400	56.6	93.8	10 000							48.0
50.0	43.9	86.1	9 400*	45.6	87.5	11 200*	48.2	89.2	11 500	50.6	90.6	10 700	54.4	92.4	9 400							50.0
52.0	41.2	83.9	8 800*	43.1	85.4	10 400*	45.7	87.3	10 800	48.2	88.9	10 100	52.2	90.9	8 800	55.8	92.2	7 600				52.0
54.0	38.4	81.5	8 300*	40.4	83.1	9 600*	43.2	85.2	10 200	45.8	87.0	9 500	49.9	89.3	8 300	53.6	90.8	7 100				54.0
56.0	35.4	78.8	7 800*	37.5	80.6	8 900*	40.4	83.0	9 600	43.2	84.9	8 900	47.5	87.5	7 800	51.4	89.2	6 700				56.0
58.0	32.1	75.8	7 500*	34.4	77.8	8 300*	37.6	80.5	8 900*	40.5	82.7	8 500	45.0	85.5	7 300	49.0	87.5	6 200	52.7	88.8	5 200	58.0
60.0	28.6	72.3	7 100*	31.1	74.7	7 700*	34.5	77.7	8 300*	37.6	80.2	8 000	42.4	83.4	6 900	46.6	85.7	5 800	50.4	87.2	4 800	60.0
62.0	24.5	68.2	6 800*	27.4	71.0	7 200*	31.2	74.5	7 700*	34.6	77.4	7 500	39.6	81.1	6 400	44.0	83.7	5 400	48.0	85.4	4 400	62.0
64.0	19.7	63.2	6 100*	23.1	66.7	6 800*	27.5	70.9	7 200*	31.3	74.3	7 000	36.7	78.5	6 100	41.4	81.5	5 000	45.5	83.5	4 100	64.0
66.0	13.2	56.3	5 000*	17.9	61.3	6 000*	23.2	66.6	6 700*	27.6	70.7	6 600	33.6	75.6	5 700	38.6	79.1	4 700	43.0	81.4	3 800	66.0
68.0				10.4	53.1	4 800*	18.1	61.2	6 200*	23.4	66.4	6 200	30.1	72.4	5 300	35.6	76.4	4 400	40.2	79.2	3 500	68.0
70.0							10.7	53.2	5 200*	18.2	61.0	5 900	26.3	68.6	5 000	32.4	73.4	4 100	37.4	76.6	3 200	70.0
72.0													21.8	64.0	4 600	28.8	70.0	3 800	34.3	73.8	2 900	72.0
74.0													16.3	58.1	4 300	24.8	66.0	3 500	30.9	70.7	2 700	74.0
76.0													7.2	48.2	4 100	20.0	61.0	3 200	27.2	67.0	2 400	76.0
78.0																13.7	54.3	3 000	22.9	62.7	2 200	78.0
80.0																			17.7	57.2	2 000	80.0
82.0																			10.0	48.8	1 800	82.0



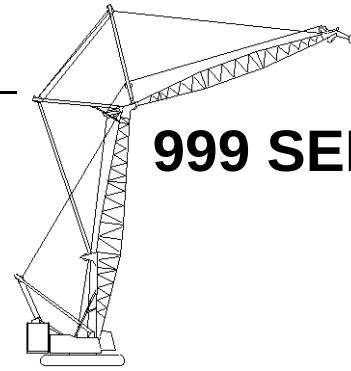
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

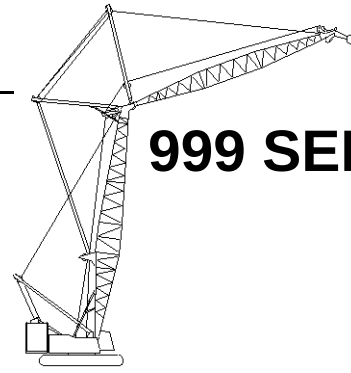
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



39.6m (130 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.0	106.7	15 800*																			21.3
22.0	74.4	106.5	15 800*																			22.0
24.0	72.6	105.9	15 600*																			24.0
26.0	70.8	105.3	15 400*	72.1	105.6	17 600*																26.0
28.0	69.0	104.5	15 200*	70.3	104.9	17 500*																28.0
30.0	67.1	103.7	15 000*	68.4	104.2	17 300*																30.0
32.0	65.3	102.8	14 700*	66.6	103.3	17 100*	68.5	104.0	16 700*													32.0
34.0	63.4	101.8	14 500*	64.7	102.4	16 900*	66.6	103.1	16 600*													34.0
36.0	61.4	100.8	14 100*	62.8	101.4	16 600*	64.7	102.2	16 400*	66.7	102.8	16 400										36.0
38.0	59.5	99.6	13 300*	60.8	100.3	15 700*	62.8	101.2	16 200	64.8	101.9	15 200										38.0
40.0	57.5	98.4	12 500*	58.8	99.1	14 900*	60.9	100.1	15 200	62.9	100.9	14 200										40.0
42.0	55.4	97.0	11 800*	56.8	97.9	14 100*	58.9	98.9	14 200	60.9	99.8	13 300										42.0
44.0	53.3	95.6	11 000*	54.7	96.5	13 300*	56.9	97.7	13 400	59.0	98.6	12 500										44.0
46.0	51.1	94.0	10 400*	52.6	95.0	12 600*	54.8	96.3	12 500	56.9	97.4	11 700	60.3	98.6	10 300							46.0
48.0	48.9	92.3	9 800*	50.4	93.4	11 800*	52.7	94.8	11 800	54.9	96.0	10 900	58.3	97.4	9 600							48.0
50.0	46.5	90.5	9 200*	48.2	91.7	10 900*	50.5	93.2	11 100	52.7	94.5	10 300	56.3	96.1	9 000							50.0
52.0	44.1	88.5	8 700*	45.8	89.8	10 100*	48.2	91.5	10 400	50.5	92.9	9 600	54.2	94.7	8 400	57.6	95.9	7 200				52.0
54.0	41.6	86.3	8 200*	43.4	87.7	9 300*	45.9	89.6	9 800	48.3	91.2	9 100	52.0	93.2	7 900	55.5	94.5	6 700				54.0
56.0	38.9	83.9	7 800*	40.8	85.5	8 600*	43.4	87.5	9 300	45.9	89.3	8 500	49.8	91.6	7 400	53.4	93.1	6 200				56.0
58.0	36.1	81.3	7 300*	38.1	83.0	8 000*	40.9	85.3	8 700*	43.5	87.3	8 000	47.5	89.8	6 900	51.2	91.5	5 800				58.0
60.0	33.1	78.3	7 000*	35.2	80.3	7 500*	38.2	82.9	8 000*	40.9	85.0	7 600	45.2	87.9	6 500	49.0	89.8	5 400				60.0
62.0	29.8	75.0	6 600*	32.1	77.2	6 900*	35.3	80.1	7 500*	38.2	82.6	7 100	42.7	85.8	6 000	46.7	88.0	5 000	50.3	89.5	4 000	62.0
64.0	26.1	71.2	6 200*	28.7	73.8	6 400*	32.2	77.1	6 900*	35.4	79.9	6 800	40.1	83.5	5 700	44.3	86.0	4 600	48.1	87.7	3 700	64.0
66.0	21.8	66.6	5 600*	24.8	69.8	6 000*	28.8	73.7	6 500*	32.3	76.8	6 300	37.3	80.9	5 300	41.8	83.9	4 300	45.7	85.8	3 400	66.0
68.0	16.5	60.7	4 700*	20.3	64.9	5 500*	24.9	69.7	6 000*	28.9	73.4	5 900	34.4	78.1	5 000	39.1	81.5	4 000	43.3	83.8	3 100	68.0
70.0	8.3	51.4	3 600*	14.5	58.3	4 600*	20.5	64.8	5 600*	25.0	69.4	5 600	31.2	75.0	4 600	36.3	78.9	3 700	40.7	81.5	2 800	70.0
72.0							14.7	58.3	4 900*	20.6	64.6	5 200	27.7	71.4	4 300	33.3	75.9	3 400	38.0	79.0	2 500	72.0
74.0										14.8	58.2	4 900	23.7	67.2	4 000	30.0	72.7	3 200	35.1	76.3	2 300	74.0
76.0													18.9	62.0	3 700	26.3	68.9	2 900	31.9	73.3	2 100	76.0
78.0													12.5	54.7	3 500	22.1	64.3	2 600				78.0
80.0																16.9	58.6	2 400				80.0
82.0																9.1	49.7	2 200				82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

39.6m (130 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.7	109.9	14 800*																			21.3
22.0	75.1	109.7	14 700*																			22.0
24.0	73.4	109.1	14 500*																			24.0
26.0	71.7	108.5	14 400*	72.9	108.8	16 700*																26.0
28.0	69.9	107.8	14 100*	71.1	108.2	16 500*																28.0
30.0	68.2	107.0	13 900*	69.4	107.4	16 400*																30.0
32.0	66.4	106.2	13 700*	67.6	106.7	16 200*	69.5	107.2	16 000*													32.0
34.0	64.6	105.2	13 400*	65.9	105.8	15 800*	67.7	106.4	15 900*													34.0
36.0	62.8	104.2	12 900*	64.1	104.8	15 100*	65.9	105.6	15 800*													36.0
38.0	60.9	103.1	12 200*	62.2	103.8	14 400*	64.1	104.6	15 700*	66.0	105.2	14 900										38.0
40.0	59.0	102.0	11 500*	60.3	102.7	13 700*	62.3	103.6	14 900	64.2	104.3	13 900										40.0
42.0	57.1	100.7	10 800*	58.4	101.5	12 900*	60.4	102.5	13 900	62.3	103.3	13 000										42.0
44.0	55.1	99.3	10 200*	56.5	100.2	12 200*	58.5	101.3	13 000	60.4	102.2	12 100										44.0
46.0	53.1	97.9	9 600*	54.5	98.8	11 600*	56.6	100.0	12 200	58.5	101.0	11 400	61.7	102.1	10 000							46.0
48.0	51.0	96.3	9 100*	52.5	97.3	10 900*	54.6	98.6	11 500	56.6	99.7	10 700	59.8	101.0	9 300							48.0
50.0	48.9	94.6	8 600*	50.4	95.7	10 300*	52.5	97.1	10 800	54.6	98.3	10 000	57.9	99.8	8 700							50.0
52.0	46.7	92.8	8 100*	48.2	94.0	9 700*	50.4	95.5	10 100	52.6	96.8	9 400	56.0	98.5	8 100							52.0
54.0	44.3	90.8	7 600*	45.9	92.1	9 100*	48.3	93.8	9 600	50.5	95.2	8 800	54.0	97.0	7 600	57.2	98.2	6 400				54.0
56.0	41.9	88.6	7 200*	43.6	90.0	8 400*	46.0	91.9	9 000	48.3	93.5	8 300	51.9	95.5	7 100	55.3	96.9	5 900				56.0
58.0	39.4	86.3	6 800*	41.2	87.8	7 800*	43.7	89.9	8 500	46.1	91.6	7 800	49.8	93.9	6 600	53.2	95.4	5 500				58.0
60.0	36.7	83.7	6 500*	38.6	85.4	7 200*	41.3	87.7	7 800*	43.7	89.6	7 300	47.6	92.1	6 200	51.2	93.8	5 100				60.0
62.0	33.9	80.8	6 200*	35.9	82.7	6 700*	38.7	85.2	7 200*	41.3	87.4	6 800	45.3	90.2	5 800	49.0	92.1	4 800				62.0
64.0	30.8	77.6	5 900*	33.0	79.8	6 200*	36.0	82.6	6 700*	38.7	85.0	6 400	43.0	88.1	5 400	46.8	90.3	4 400	50.3	91.8	3 400	64.0
66.0	27.4	74.0	5 500*	29.8	76.5	5 800*	33.1	79.6	6 200*	36.0	82.3	6 100	40.5	85.8	5 000	44.5	88.3	4 000	48.1	90.0	3 100	66.0
68.0	23.6	69.7	5 000*	26.3	72.7	5 300*	29.9	76.3	5 800*	33.1	79.4	5 700	37.9	83.3	4 700	42.1	86.2	3 700	45.9	88.1	2 800	68.0
70.0	19.0	64.5	4 400*	22.3	68.2	5 000*	26.4	72.6	5 400*	30.0	76.1	5 400	35.1	80.6	4 400	39.6	83.9	3 500	43.5	86.1	2 500	70.0
72.0	13.0	57.4	3 500*	17.4	62.5	4 300*	22.4	68.1	5 000*	26.5	72.3	5 000	32.2	77.6	4 100	36.9	81.3	3 200	41.1	83.9	2 300	72.0
74.0				10.4	54.2	3 300*	17.5	62.5	4 500*	22.5	67.8	4 700	28.9	74.1	3 800	34.1	78.4	2 900	38.5	81.4	2 000	74.0
76.0							10.7	54.3	3 600*	17.7	62.3	4 400	25.3	70.2	3 600	31.0	75.3	2 700	35.8	78.8	1 800	76.0
78.0													21.1	65.4	3 300	27.7	71.7	2 400				78.0
80.0													15.8	59.3	3 000	23.8	67.5	2 200				80.0
82.0													7.5	49.3	2 800	19.3	62.3	2 000				82.0



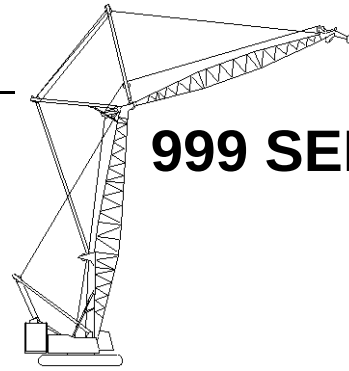
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



39.6m (130 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.0	112.6	13 400*																22.9
24.0	74.1	112.3	13 300*																24.0
26.0	72.5	111.7	13 100*	73.6	112.0	15 200*													26.0
28.0	70.8	111.0	13 000*	72.0	111.4	15 000*													28.0
30.0	69.1	110.3	12 800*	70.3	110.7	14 900*													30.0
32.0	67.5	109.5	12 600*	68.6	109.9	14 700*	70.4	110.5	14 500*										32.0
34.0	65.7	108.6	12 400*	66.9	109.1	14 600*	68.7	109.7	14 400*										34.0
36.0	64.0	107.6	12 200*	65.2	108.2	14 300*	67.0	108.9	14 300*										36.0
38.0	62.3	106.6	11 700*	63.5	107.2	13 700*	65.3	108.0	14 200*										38.0
40.0	60.5	105.5	11 100*	61.7	106.2	13 100*	63.5	107.0	14 100	65.3	107.7	13 500							40.0
42.0	58.6	104.3	10 500*	59.9	105.1	12 400*	61.8	106.0	13 600	63.6	106.7	12 500							42.0
44.0	56.8	103.0	9 900*	58.1	103.8	11 800*	60.0	104.9	12 600	61.8	105.7	11 700							44.0
46.0	54.9	101.7	9 400*	56.2	102.5	11 200*	58.1	103.6	11 800	60.0	104.5	11 000							46.0
48.0	52.9	100.2	8 800*	54.3	101.1	10 600*	56.3	102.3	11 100	58.2	103.3	10 200	61.2	104.5	8 900				48.0
50.0	50.9	98.6	8 400*	52.3	99.6	10 100*	54.3	100.9	10 400	56.3	102.0	9 600	59.4	103.4	8 300				50.0
52.0	48.9	96.9	7 900*	50.3	98.0	9 500*	52.4	99.4	9 700	54.4	100.6	9 000	57.6	102.1	7 700				52.0
54.0	46.8	95.1	7 500*	48.2	96.3	8 900*	50.4	97.8	9 200	52.4	99.1	8 400	55.7	100.8	7 200				54.0
56.0	44.5	93.1	7 100*	46.1	94.4	8 200*	48.3	96.1	8 600	50.4	97.5	7 900	53.8	99.4	6 700	56.9	100.5	5 500	56.0
58.0	42.3	91.0	6 700*	43.8	92.4	7 500*	46.1	94.2	8 100	48.3	95.8	7 400	51.8	97.8	6 200	55.0	99.2	5 100	58.0
60.0	39.9	88.6	6 400*	41.5	90.2	7 000*	43.9	92.2	7 500*	46.2	93.9	6 900	49.8	96.2	5 800	53.1	97.7	4 700	60.0
62.0	37.3	86.1	6 000*	39.1	87.8	6 400*	41.6	90.0	7 000*	44.0	91.9	6 500	47.7	94.4	5 400	51.1	96.1	4 300	62.0
64.0	34.6	83.3	5 600*	36.5	85.2	5 900*	39.2	87.6	6 400*	41.7	89.7	6 100	45.5	92.5	5 000	49.0	94.4	4 000	64.0
66.0	31.8	80.2	5 200*	33.8	82.3	5 500*	36.6	85.0	6 000*	39.2	87.3	5 700	43.2	90.4	4 600	46.9	92.6	3 600	66.0
68.0	28.6	76.7	4 800*	30.8	79.1	5 100*	33.9	82.2	5 500*	36.7	84.7	5 300	40.9	88.2	4 300	44.7	90.7	3 300	68.0
70.0	25.1	72.7	4 400*	27.6	75.5	4 700*	30.9	79.0	5 100*	33.9	81.9	5 000	38.4	85.7	4 000	42.4	88.5	3 000	70.0
72.0	21.1	68.0	3 900*	23.9	71.3	4 300*	27.7	75.4	4 700*	31.0	78.7	4 700	35.8	83.1	3 700	40.0	86.2	2 800	72.0
74.0	16.1	61.9	3 200*	19.6	66.2	3 900*	24.0	71.2	4 300*	27.8	75.1	4 400	33.0	80.1	3 400	37.5	83.7	2 500	74.0
76.0	8.5	52.5	2 200*	14.2	59.5	3 100*	19.8	66.1	4 000*	24.1	70.9	4 100	30.0	76.8	3 200	34.8	80.9	2 300	76.0
78.0							14.4	59.5	3 400*	19.9	65.9	3 800	26.6	73.0	3 000	31.9	77.9	2 000	78.0
80.0										14.5	59.3	3 500	22.9	68.6	2 700	28.8	74.4	1 800	80.0
82.0													18.3	63.2	2 500				82.0
84.0													12.3	55.8	2 300				84.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	63.1	63.9	54 400 *b																		13.7	
14.0	62.2	63.8	53 700 *b																		14.0	
16.0	55.9	62.5	49 100 *b	60.6	63.4	52 300 *b															16.0	
18.0	49.0	60.9	45 200*	54.1	62.1	47 900*	61.3	63.3	48 000 b												18.0	
20.0	41.2	58.9	41 200*	47.1	60.4	44 200*	54.9	62.0	43 200 b	61.9	63.0	41 400 b									20.0	
22.0	32.0	56.1	36 800*	39.1	58.1	40 500*	47.9	60.3	39 200	55.6	61.8	37 500 b									22.0	
24.0	19.0	51.7	31 100*	29.2	55.1	36 300*	40.0	58.2	35 900	48.7	60.1	34 300									24.0	
26.0							30.4	55.2	33 100	40.9	58.1	31 500	54.3	60.6	29 100						26.0	
28.0										31.5	55.2	29 200	47.3	58.9	26 900						28.0	
30.0										18.2	50.7	26 800	39.3	56.7	24 900	52.7	59.1	23 000			30.0	
32.0													29.5	53.7	22 800	45.5	57.3	21 100			32.0	
34.0																37.2	54.9	19 400	50.7	57.1	34.0	
36.0																26.7	51.6	18 000	43.2	55.2	36.0	
38.0																6.7	44.4	16 600	34.4	52.6	38.0	
40.0																			22.8	48.8	40.0	

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.7	67.3	52 600 *b																		13.7	
14.0	65.9	67.2	51 900 *b																		14.0	
16.0	60.6	66.2	47 500 *b	64.6	66.9	50 600 *b															16.0	
18.0	55.0	64.9	43 800*	59.2	65.8	46 400*	65.2	66.7	47 000 b												18.0	
20.0	49.0	63.2	40 100*	53.5	64.4	42 900*	59.8	65.6	42 200	65.7	66.5	40 400 b									20.0	
22.0	42.3	61.2	35 400*	47.3	62.7	39 700*	54.2	64.3	38 300	60.4	65.4	36 600 b									22.0	
24.0	34.6	58.6	31 700*	40.4	60.5	36 000*	48.0	62.6	35 100	54.8	64.1	33 500									24.0	
26.0	24.8	55.0	29 000*	32.3	57.7	32 600*	41.2	60.5	32 300	48.7	62.4	30 800	59.4	64.3	28 400						26.0	
28.0				21.6	53.6	29 200*	33.3	57.8	29 900	42.0	60.4	28 400	53.7	62.9	26 200						28.0	
30.0							23.0	53.9	27 700	34.2	57.8	26 400	47.5	61.2	24 300						30.0	
32.0										24.3	54.1	24 400	40.6	59.1	22 500	52.3	61.4	20 700			32.0	
34.0													32.5	56.3	20 700	45.9	59.6	19 000			34.0	
36.0													21.9	52.3	19 200	38.9	57.3	17 600			36.0	
38.0																30.4	54.3	16 300	44.0	57.5	38.0	
40.0																			36.6	55.1	40.0	
42.0																			27.4	51.8	42.0	
44.0																			13.3	46.1	44.0	



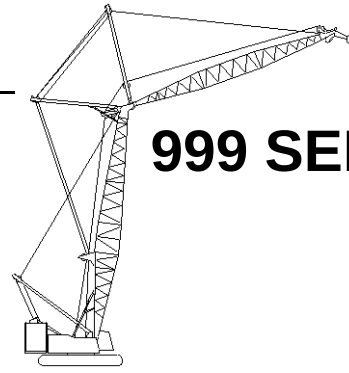
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

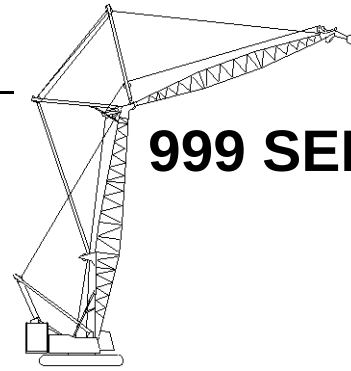
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.4	70.6	49 100*b																			13.7
14.0	68.8	70.5	48 800*b																			14.0
16.0	64.2	69.6	46 200*b	67.6	70.2	49 200*b																16.0
18.0	59.4	68.5	42 700*	63.0	69.3	45 300*	68.1	70.1	46 300b													18.0
20.0	54.4	67.2	38 800*	58.1	68.1	41 900*	63.5	69.1	41 600													20.0
22.0	49.0	65.5	34 500*	53.0	66.7	38 900*	58.7	68.0	37 800	64.0	68.9	36 200b										22.0
24.0	43.1	63.6	30 700*	47.5	65.0	36 000*	53.6	66.6	34 600	59.2	67.7	33 000										24.0
26.0	36.4	61.1	27 600*	41.5	62.9	32 600*	48.2	64.9	31 900	54.1	66.4	30 400										26.0
28.0	28.5	57.8	25 200*	34.6	60.2	29 700*	42.2	62.9	29 500	48.7	64.7	28 000	58.3	66.6	25 900							28.0
30.0	17.3	52.9	23 100*	26.1	56.7	27 200*	35.4	60.3	27 400	42.8	62.7	26 100	53.1	65.2	23 900							30.0
32.0				13.0	50.8	22 800*	27.1	56.9	25 500	36.1	60.2	24 300	47.7	63.5	22 300	57.1	65.2	20 400				32.0
34.0										28.1	56.9	22 500	41.6	61.5	20 800	51.9	63.7	19 000				34.0
36.0										16.7	51.9	20 800	34.7	58.8	19 100	46.3	61.9	17 500				36.0
38.0													26.3	55.3	17 800	40.1	59.7	16 200				38.0
40.0																32.9	56.9	15 100	44.6	59.8	13 700	40.0
42.0																23.9	53.1	14 100	38.1	57.5	12 800	42.0
44.0																			30.6	54.5	11 900	44.0
46.0																			20.6	50.1	11 100	46.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.6	73.9	45 200*b																			13.7
14.0	71.0	73.8	44 900*b																			14.0
16.0	66.9	73.0	43 100*b	70.0	73.5	47 600*b																16.0
18.0	62.8	72.0	41 200*	65.9	72.7	43 900*																18.0
20.0	58.4	70.9	37 600*	61.7	71.6	40 700*	66.3	72.5	40 800													20.0
22.0	53.8	69.5	33 500*	57.3	70.4	37 900*	62.1	71.5	37 000													22.0
24.0	49.0	67.8	30 000*	52.6	69.0	35 300*	57.8	70.3	33 800	62.6	71.3	32 300										24.0
26.0	43.7	65.9	26 900*	47.7	67.3	32 300*	53.1	68.9	31 100	58.2	70.1	29 600										26.0
28.0	37.9	63.5	24 300*	42.3	65.2	29 300*	48.2	67.2	28 800	53.6	68.7	27 400	61.8	70.2	25 200							28.0
30.0	31.1	60.5	22 200*	36.2	62.7	26 400*	42.9	65.2	26 700	48.8	67.0	25 400	57.4	69.0	23 300							30.0
32.0	22.5	56.4	20 700*	29.1	59.5	24 000*	37.0	62.8	24 900	43.5	65.1	23 600	52.7	67.5	21 600							32.0
34.0				19.8	54.9	22 000*	30.0	59.7	23 300	37.6	62.7	22 100	47.8	65.8	20 200	56.3	67.5	18 400				34.0
36.0							21.0	55.3	21 500	30.8	59.6	20 500	42.4	63.8	18 800	51.6	66.0	17 100				36.0
38.0										22.1	55.5	19 000	36.4	61.3	17 400	46.6	64.2	15 900				38.0
40.0													29.3	58.1	16 200	41.1	62.1	14 800	50.2	64.0	13 300	40.0
42.0													20.0	53.6	15 100	34.9	59.4	13 700	45.0	62.2	12 400	42.0
44.0																27.4	56.0	12 800	39.3	59.9	11 600	44.0
46.0																			32.8	57.1	10 800	46.0
48.0																			24.9	53.3	10 100	48.0
50.0																			12.7	47.2	9 400	50.0



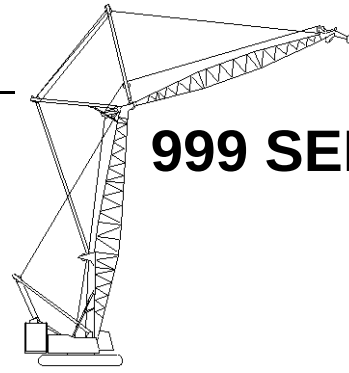
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

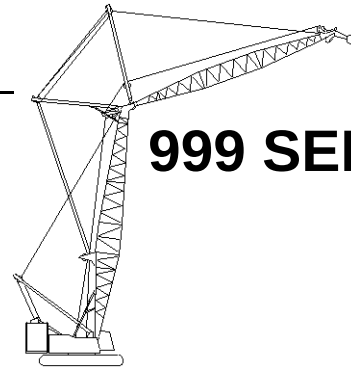
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.3	77.1	41 600*																			13.7
14.0	72.8	77.0	41 400*																			14.0
16.0	69.1	76.3	39 900*	71.9	76.7	46 000*																16.0
18.0	65.4	75.4	38 400*	68.2	76.0	42 700*																18.0
20.0	61.6	74.4	36 400*	64.5	75.1	39 600*	68.6	75.8	40 200													20.0
22.0	57.6	73.2	32 600*	60.6	74.0	37 000*	64.9	74.9	36 500													22.0
24.0	53.4	71.8	29 300*	56.5	72.8	34 500*	61.0	73.9	33 300	65.3	74.7	31 800										24.0
26.0	49.0	70.1	26 400*	52.3	71.3	32 200*	57.0	72.7	30 600	61.4	73.6	29 200										26.0
28.0	44.2	68.2	23 800*	47.8	69.6	28 900*	52.8	71.2	28 300	57.4	72.4	27 000										28.0
30.0	39.0	65.9	21 600*	42.9	67.6	26 100*	48.3	69.5	26 300	53.2	71.0	25 000	60.7	72.6	22 900							30.0
32.0	33.1	63.1	19 800*	37.6	65.1	23 600*	43.5	67.5	24 500	48.8	69.3	23 300	56.6	71.3	21 300							32.0
34.0	26.0	59.5	18 400*	31.4	62.2	21 500*	38.2	65.2	22 900	44.0	67.4	21 700	52.4	69.8	19 900							34.0
36.0	16.2	54.1	17 300*	23.9	58.2	19 900*	32.2	62.3	21 400	38.8	65.1	20 300	47.9	68.1	18 600	55.7	69.8	16 900				36.0
38.0				12.5	51.9	17 500*	24.8	58.5	19 900	32.8	62.2	18 900	43.1	66.1	17 300	51.4	68.3	15 700				38.0
40.0										25.7	58.6	17 600	37.7	63.7	16 100	46.8	66.5	14 600				40.0
42.0										15.7	53.1	16 500	31.6	60.7	15 000	41.9	64.4	13 600	50.1	66.3	12 300	42.0
44.0													24.1	56.8	14 100	36.4	61.9	12 700	45.4	64.5	11 400	44.0
46.0																30.0	58.8	11 900	40.3	62.3	10 600	46.0
48.0																22.0	54.5	11 100	34.6	59.6	9 900	48.0
50.0																			27.9	56.2	9 300	50.0
52.0																			19.0	51.4	8 700	52.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.7	80.3	38 700*																			13.7
14.0	74.3	80.2	38 500*																			14.0
16.0	71.0	79.6	36 900*																			16.0
18.0	67.6	78.8	35 700*	70.1	79.3	41 300*																18.0
20.0	64.2	77.9	34 300*	66.7	78.4	38 500*	70.5	79.1	39 300													20.0
22.0	60.6	76.8	31 700*	63.2	77.5	35 900*	67.1	78.3	35 700													22.0
24.0	56.9	75.5	28 600*	59.7	76.4	33 600*	63.6	77.4	32 600													24.0
26.0	53.0	74.1	25 800*	55.9	75.1	31 400*	60.1	76.3	30 000	64.0	77.1	28 500										26.0
28.0	49.0	72.4	23 400*	52.0	73.6	28 500*	56.4	75.0	27 700	60.4	76.0	26 300										28.0
30.0	44.6	70.5	21 200*	47.9	71.9	25 700*	52.5	73.5	25 700	56.7	74.8	24 400										30.0
32.0	39.9	68.3	19 300*	43.5	69.9	23 400*	48.4	71.8	23 900	52.9	73.3	22 700	59.7	74.9	20 700							32.0
34.0	34.7	65.6	17 700*	38.6	67.5	21 300*	44.0	69.9	22 300	48.8	71.6	21 100	56.0	73.6	19 300							34.0
36.0	28.6	62.3	16 400*	33.2	64.7	19 400*	39.2	67.6	21 000	44.4	69.7	19 800	52.1	72.2	18 000							36.0
38.0	20.9	57.8	15 500*	26.8	61.2	18 000*	33.9	64.8	19 600	39.7	67.5	18 600	48.0	70.4	16 800	55.1	72.1	15 200				38.0
40.0				18.5	56.2	16 700*	27.6	61.4	18 300	34.4	64.7	17 300	43.6	68.5	15 800	51.2	70.6	14 200				40.0
42.0							19.6	56.6	17 100	28.3	61.4	16 200	38.8	66.1	14 700	47.0	68.8	13 200				42.0
44.0										20.5	56.8	15 200	33.4	63.3	13 700	42.5	66.8	12 300	50.0	68.6	11 000	44.0
46.0													27.0	59.8	12 900	37.6	64.3	11 500	45.7	66.8	10 200	46.0
48.0													18.7	54.9	12 000	32.0	61.4	10 800	41.1	64.6	9 500	48.0
50.0																25.3	57.6	10 100	36.0	62.1	8 900	50.0
52.0																			30.2	58.9	8 300	52.0
54.0																			23.0	54.8	7 800	54.0
56.0																			12.3	48.3	7 400	56.0



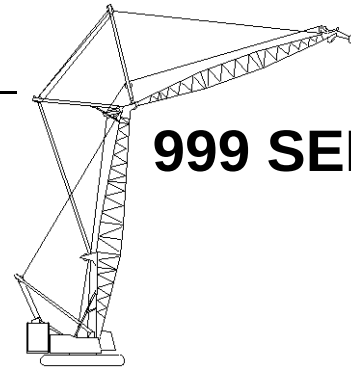
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

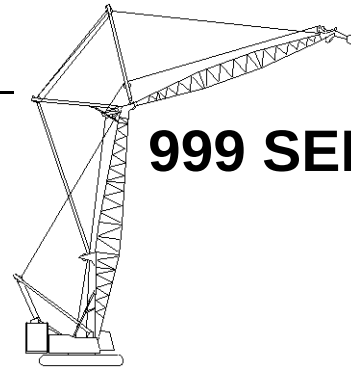
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.9	83.4	35 200*																			13.7
14.0	75.5	83.4	35 100*																			14.0
16.0	72.5	82.8	34 300*																			16.0
18.0	69.4	82.1	33 000*	71.7	82.5	39 900*																18.0
20.0	66.3	81.2	32 000*	68.6	81.8	37 400*																20.0
22.0	63.1	80.3	30 600*	65.5	80.9	35 000*	69.0	81.6	35 100													22.0
24.0	59.8	79.1	27 800*	62.2	79.9	32 800*	65.8	80.7	32 000													24.0
26.0	56.3	77.9	25 300*	58.9	78.7	30 700*	62.6	79.7	29 400	66.1	80.5	27 900										26.0
28.0	52.7	76.4	23 000*	55.4	77.4	28 000*	59.3	78.6	27 100	62.9	79.5	25 800										28.0
30.0	49.0	74.7	20 900*	51.8	75.9	25 400*	55.8	77.3	25 200	59.6	78.4	23 800										30.0
32.0	45.0	72.8	19 000*	48.0	74.2	23 100*	52.2	75.8	23 400	56.2	77.1	22 200	62.3	78.4	20 200							32.0
34.0	40.7	70.6	17 500*	43.9	72.2	21 100*	48.4	74.1	21 800	52.6	75.6	20 700	59.0	77.3	18 800							34.0
36.0	36.0	68.1	16 100*	39.5	69.9	19 300*	44.4	72.2	20 500	48.8	73.9	19 300	55.5	76.0	17 500							36.0
38.0	30.6	64.9	14 900*	34.7	67.2	17 700*	40.0	69.9	19 200	44.8	72.0	18 100	51.9	74.5	16 400							38.0
40.0	24.2	61.0	14 000*	29.1	63.9	16 400*	35.2	67.3	18 100	40.5	69.8	17 000	48.1	72.7	15 400	54.7	74.4	13 800				40.0
42.0	15.4	55.3	13 300*	22.3	59.7	15 300*	29.8	64.1	16 900	35.7	67.2	16 000	44.0	70.8	14 400	51.0	72.9	13 000				42.0
44.0				12.2	53.0	13 600*	23.1	60.0	15 800	30.4	64.1	14 900	39.6	68.5	13 500	47.1	71.1	12 100				44.0
46.0										23.9	60.1	14 000	34.8	65.8	12 600	43.0	69.1	11 300	49.9	70.9	10 000	46.0
48.0										14.9	54.2	13 100	29.2	62.5	11 800	38.5	66.7	10 500	46.0	69.1	9 300	48.0
50.0													22.5	58.3	11 100	33.6	63.9	9 800	41.8	67.0	8 700	50.0
52.0																27.8	60.5	9 200	37.1	64.5	8 100	52.0
54.0																20.6	55.9	8 700	32.0	61.5	7 500	54.0
56.0																			25.9	57.8	7 100	56.0
58.0																			17.9	52.7	6 600	58.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.8	86.2	31 700*																			15.2
16.0	73.8	86.0	31 300*																			16.0
18.0	70.9	85.3	30 500*																			18.0
20.0	68.1	84.5	29 900*	70.2	85.0	36 200*																20.0
22.0	65.1	83.7	28 800*	67.3	84.2	33 900*																22.0
24.0	62.1	82.6	27 200*	64.4	83.3	31 900*	67.6	84.1	31 300													24.0
26.0	59.0	81.5	24 700*	61.3	82.3	29 900*	64.7	83.2	28 700													26.0
28.0	55.8	80.2	22 600*	58.2	81.1	27 400*	61.7	82.1	26 500	65.0	82.9	25 100										28.0
30.0	52.5	78.7	20 600*	55.0	79.7	25 100*	58.6	81.0	24 500	62.0	81.9	23 200										30.0
32.0	49.0	77.0	18 900*	51.6	78.2	23 000*	55.3	79.6	22 800	58.9	80.7	21 600										32.0
34.0	45.3	75.2	17 300*	48.1	76.5	21 000*	52.0	78.1	21 300	55.7	79.4	20 100	61.4	80.8	18 200							34.0
36.0	41.3	73.0	15 900*	44.3	74.5	19 200*	48.5	76.4	19 900	52.3	77.9	18 800	58.3	79.6	17 000							36.0
38.0	37.0	70.5	14 700*	40.3	72.3	17 700*	44.7	74.5	18 700	48.8	76.2	17 600	55.0	78.3	15 800							38.0
40.0	32.2	67.5	13 600*	35.9	69.7	16 300*	40.7	72.3	17 600	45.1	74.3	16 500	51.7	76.8	14 800							40.0
42.0	26.7	63.9	12 800*	30.9	66.6	15 100*	36.4	69.7	16 500	41.1	72.2	15 600	48.1	75.0	13 900	54.3	76.8	12 400				42.0
44.0	19.7	59.1	12 200*	25.1	62.7	14 100*	31.5	66.7	15 500	36.8	69.7	14 600	44.4	73.1	13 100	50.9	75.2	11 600				44.0
46.0				17.5	57.5	13 200*	25.8	63.0	14 500	32.0	66.7	13 700	40.4	70.9	12 300	47.3	73.4	10 900				46.0
48.0							18.5	57.9	13 500	26.4	63.0	12 800	36.0	68.3	11 400	43.5	71.4	10 200	49.8	73.2	8 900	48.0
50.0										19.4	58.2	12 000	31.0	65.2	10 700	39.4	69.1	9 500	46.2	71.4	8 300	50.0
52.0													25.2	61.4	10 100	34.9	66.4	8 900	42.3	69.3	7 700	52.0
54.0													17.7	56.1	9 500	29.8	63.2	8 300	38.1	66.9	7 200	54.0
56.0																23.7	59.1	7 800	33.5	64.1	6 700	56.0
58.0																			28.1	60.6	6 300	58.0
60.0																			21.6	56.2	5 900	60.0
62.0																			12.0	49.4	5 500	62.0



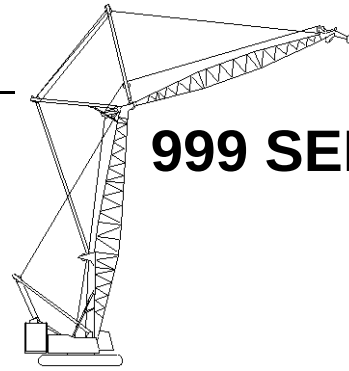
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

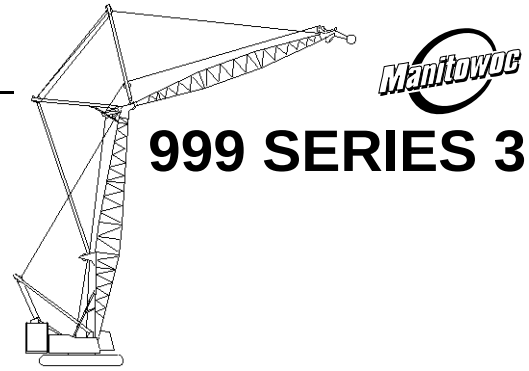
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.9	89.3	29 200*																			15.2
16.0	74.9	89.1	28 900*																			16.0
18.0	72.3	88.5	28 200*																			18.0
20.0	69.6	87.8	27 500*	71.6	88.3	33 800*																20.0
22.0	66.9	87.0	26 800*	68.9	87.5	32 900*																22.0
24.0	64.1	86.1	26 000*	66.2	86.7	31 000*	69.2	87.4	31 100													24.0
26.0	61.3	85.0	24 100*	63.4	85.7	28 800*	66.5	86.5	28 600													26.0
28.0	58.4	83.8	22 100*	60.6	84.6	26 700*	63.7	85.6	26 300	66.8	86.2	25 000										28.0
30.0	55.4	82.5	20 300*	57.6	83.4	24 600*	60.9	84.5	24 400	64.0	85.3	23 100										30.0
32.0	52.3	81.0	18 600*	54.6	82.0	22 600*	58.0	83.3	22 700	61.2	84.3	21 500										32.0
34.0	49.0	79.3	17 100*	51.4	80.5	20 800*	54.9	81.9	21 200	58.3	83.1	20 000										34.0
36.0	45.5	77.5	15 700*	48.1	78.8	19 100*	51.8	80.4	19 800	55.2	81.7	18 700	60.6	83.2	16 900							36.0
38.0	41.9	75.3	14 500*	44.6	76.8	17 500*	48.5	78.7	18 600	52.1	80.2	17 500	57.7	82.0	15 800							38.0
40.0	37.9	72.9	13 400*	40.9	74.6	16 200*	45.0	76.8	17 500	48.8	78.5	16 500	54.7	80.6	14 800							40.0
42.0	33.6	70.1	12 500*	36.9	72.1	15 000*	41.3	74.6	16 500	45.4	76.7	15 500	51.5	79.1	13 900							42.0
44.0	28.7	66.7	11 800*	32.4	69.2	13 900*	37.3	72.2	15 600	41.7	74.5	14 600	48.2	77.3	13 100	53.9	79.1	11 600				44.0
46.0	22.8	62.5	11 200*	27.3	65.6	12 900*	32.9	69.3	14 600	37.8	72.1	13 800	44.7	75.4	12 300	50.7	77.5	10 900				46.0
48.0	14.8	56.4	10 700*	21.0	61.0	12 300*	27.9	65.8	13 700	33.4	69.2	12 900	41.0	73.2	11 600	47.4	75.7	10 300				48.0
50.0				11.9	54.1	10 900*	21.8	61.4	12 900	28.4	65.8	12 100	37.0	70.7	10 800	43.9	73.7	9 600	49.8	75.5	8 400	50.0
52.0										22.5	61.5	11 400	32.5	67.8	10 100	40.1	71.5	9 000	46.4	73.7	7 800	52.0
54.0										14.4	55.3	10 700	27.4	64.2	9 600	36.0	68.9	8 400	42.8	71.6	7 300	54.0
56.0																						56.0
58.0																						58.0
60.0																						60.0
62.0																						62.0
64.0																						64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.9	92.1	26 600*																			16.8
18.0	73.4	91.7	26 100*																			18.0
20.0	70.9	91.1	25 400*	72.8	91.5	30 700*																20.0
22.0	68.4	90.3	24 800*	70.3	90.8	30 500*																22.0
24.0	65.9	89.5	24 200*	67.8	90.0	29 400*																24.0
26.0	63.3	88.5	23 300*	65.2	89.1	27 600*	68.0	89.8	27 900													26.0
28.0	60.6	87.4	21 400*	62.6	88.1	25 700*	65.5	89.0	25 800													28.0
30.0	57.8	86.2	19 800*	59.9	87.0	23 900*	62.9	88.0	23 900	65.7	88.7	22 600										30.0
32.0	55.0	84.8	18 200*	57.1	85.7	22 100*	60.2	86.9	22 200	63.1	87.7	21 000										32.0
34.0	52.1	83.3	16 800*	54.2	84.4	20 400*	57.4	85.6	20 700	60.5	86.6	19 500										34.0
36.0	49.0	81.6	15 500*	51.3	82.8	18 800*	54.6	84.3	19 300	57.7	85.4	18 200										36.0
38.0	45.8	79.8	14 300*	48.2	81.1	17 400*	51.6	82.7	18 100	54.9	84.0	17 000	59.9	85.5	15 300							38.0
40.0	42.4	77.7	13 300*	44.9	79.2	16 000*	48.5	81.0	17 000	51.9	82.5	16 000	57.2	84.3	14 300							40.0
42.0	38.7	75.3	12 300*	41.4	77.0	14 900*	45.3	79.1	16 000	48.8	80.8	15 000	54.3	82.9	13 400							42.0
44.0	34.7	72.6	11 500*	37.7	74.5	13 800*	41.8	77.0	15 100	45.6	79.0	14 100	51.3	81.4	12 600							44.0
46.0	30.3	69.4	10 800*	33.6	71.7	12 800*	38.1	74.6	14 300	42.2	76.9	13 300	48.2	79.6	11 800	53.6	81.4	10 400				46.0
48.0	25.2	65.5	10 200*	29.1	68.4	12 000*	34.1	71.8	13 400	38.5	74.5	12 600	45.0	77.7	11 200	50.6	79.8	9 800				48.0
50.0	18.8	60.4	9 900*	23.7	64.2	11 300*	29.6	68.5	12 600	34.5	71.7	11 800	41.5	75.6	10 500	47.5	78.0	9 200				50.0
52.0				16.7	58.7	10 600*	24.3	64.5	11 900	30.1	68.5	11 100	37.8	73.1	9 800	44.2	76.1	8 600	49.7	77.8	7 400	52.0
54.0							17.6	59.2	11 000	24.9	64.6	10 400	33.7	70.3	9 200	40.7	73.8	8 100	46.6	76.0	6 900	54.0
56.0										18.4	59.4	9 800	29.2	67.0	8 700	36.9	71.3	7 500	43.2	74.0	6 400	56.0
58.0													23.8	62.9	8 100	32.7	68.4	7 100	39.6	71.7	6 000	58.0
60.0													16.9	57.3	7 700	28.0	64.9	6 600	35.7	69.0	5 600	60.0
62.0																22.4	60.6	6 200	31.4	66.0	5 200	62.0
64.0																14.9	54.5	5 800	26.5	62.3	4 900	64.0
66.0																			20.5	57.6	4 500	66.0
68.0																			11.8	50.4	4 200	68.0



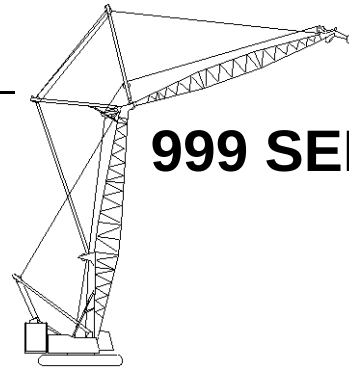
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

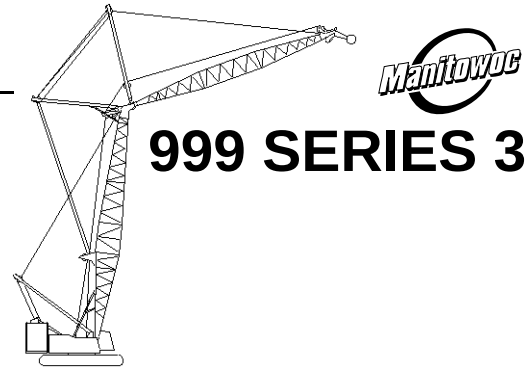
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.8	95.3	24 500*																			16.8
18.0	74.4	94.9	24 200*																			18.0
20.0	72.1	94.3	23 700*	73.8	94.7	28 000*																20.0
22.0	69.8	93.6	23 100*	71.5	94.0	27 900*																22.0
24.0	67.4	92.8	22 600*	69.1	93.3	27 600*																24.0
26.0	64.9	91.9	22 200*	66.8	92.5	26 300*	69.4	93.1	27 000													26.0
28.0	62.5	90.9	20 900*	64.3	91.5	24 800*	67.0	92.3	25 300													28.0
30.0	59.9	89.8	19 300*	61.8	90.5	23 200*	64.6	91.4	23 400													30.0
32.0	57.3	88.5	17 800*	59.3	89.3	21 500*	62.1	90.4	21 700	64.8	91.1	20 500										32.0
34.0	54.6	87.1	16 500*	56.6	88.1	20 000*	59.6	89.2	20 200	62.4	90.1	19 000										34.0
36.0	51.9	85.6	15 300*	53.9	86.7	18 500*	56.9	88.0	18 900	59.8	89.0	17 800										36.0
38.0	49.0	83.9	14 200*	51.1	85.1	17 200*	54.2	86.6	17 700	57.2	87.7	16 600										38.0
40.0	46.0	82.1	13 100*	48.2	83.4	15 900*	51.5	85.0	16 600	54.5	86.4	15 500	59.3	87.9	13 900							40.0
42.0	42.8	80.0	12 200*	45.2	81.5	14 700*	48.6	83.3	15 600	51.7	84.8	14 600	56.7	86.6	13 000							42.0
44.0	39.4	77.7	11 400*	41.9	79.3	13 700*	45.5	81.4	14 700	48.9	83.1	13 700	54.0	85.2	12 200							44.0
46.0	35.7	75.0	10 700*	38.5	76.9	12 700*	42.3	79.3	13 900	45.8	81.3	13 000	51.2	83.7	11 500	56.1	85.1	10 100				46.0
48.0	31.7	72.0	10 000*	34.7	74.2	11 900*	38.9	77.0	13 100	42.6	79.2	12 200	48.3	81.9	10 800	53.4	83.7	9 400				48.0
50.0	27.1	68.4	9 500*	30.6	71.0	11 200*	35.1	74.3	12 400	39.2	76.8	11 500	45.2	80.0	10 100	50.5	82.1	8 800				50.0
52.0	21.7	63.9	9 100*	25.8	67.2	10 500*	31.0	71.1	11 600	35.5	74.2	10 900	42.0	77.9	9 600	47.6	80.3	8 300	52.5	81.8	7 100	52.0
54.0	14.3	57.5	8 500*	20.0	62.4	9 900*	26.4	67.4	10 900	31.5	71.1	10 200	38.5	75.5	9 000	44.5	78.4	7 800	49.7	80.1	6 600	54.0
56.0				11.7	55.1	8 400*	20.7	62.7	10 300	26.9	67.5	9 600	34.8	72.8	8 400	41.2	76.2	7 300	46.7	78.3	6 200	56.0
58.0										21.4	62.9	9 000	30.7	69.6	7 900	37.7	73.7	6 800	43.6	76.3	5 700	58.0
60.0										13.9	56.5	8 500	25.9	65.8	7 400	33.9	70.9	6 400	40.2	74.0	5 300	60.0
62.0													20.2	61.0	7 000	29.6	67.6	5 900	36.6	71.5	4 900	62.0
64.0													12.0	53.9	6 600	24.7	63.6	5 600	32.7	68.5	4 600	64.0
66.0																18.6	58.5	5 200	28.3	65.1	4 300	66.0
68.0																			23.1	60.8	3 900	68.0
70.0																			16.4	55.1	3 700	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

42.7m (140 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.0	98.0	22 200*																			18.3
20.0	73.1	97.5	21 800*																			20.0
22.0	70.9	96.8	21 400*	72.6	97.2	25 200*																22.0
24.0	68.7	96.1	20 900*	70.4	96.5	25 100*																24.0
26.0	66.4	95.2	20 300*	68.1	95.8	24 900*	70.6	96.4	24 300*													26.0
28.0	64.1	94.3	20 000*	65.8	94.9	23 800*	68.4	95.6	24 100													28.0
30.0	61.8	93.3	18 900*	63.5	93.9	22 400*	66.1	94.8	22 900													30.0
32.0	59.4	92.1	17 500*	61.2	92.9	21 000*	63.8	93.8	21 200	66.3	94.5	19 900										32.0
34.0	56.9	90.8	16 300*	58.7	91.7	19 600*	61.4	92.7	19 700	64.0	93.5	18 500										34.0
36.0	54.3	89.5	15 100*	56.2	90.4	18 300*	59.0	91.6	18 400	61.7	92.5	17 200										36.0
38.0	51.7	87.9	14 000*	53.7	89.0	17 000*	56.5	90.3	17 200	59.2	91.3	16 100										38.0
40.0	49.0	86.2	13 100*	51.0	87.4	15 800*	54.0	88.9	16 100	56.8	90.1	15 000	61.2	91.4	13 400							40.0
42.0	46.1	84.4	12 200*	48.3	85.7	14 700*	51.3	87.3	15 100	54.2	88.7	14 100	58.8	90.2	12 500							42.0
44.0	43.1	82.3	11 400*	45.4	83.8	13 700*	48.6	85.6	14 200	51.6	87.1	13 300	56.3	89.0	11 700							44.0
46.0	40.0	80.0	10 600*	42.3	81.7	12 800*	45.7	83.8	13 400	48.9	85.4	12 500	53.7	87.5	11 000							46.0
48.0	36.6	77.5	9 900*	39.1	79.3	11 900*	42.7	81.7	12 600	46.0	83.6	11 700	51.1	86.0	10 300	55.7	87.5	8 900				48.0
50.0	32.9	74.5	9 400*	35.6	76.7	11 200*	39.5	79.3	11 900	43.0	81.5	11 100	48.3	84.2	9 700	53.1	86.0	8 300				50.0
52.0	28.7	71.1	8 800*	31.8	73.6	10 500*	36.0	76.7	11 300	39.8	79.2	10 500	45.5	82.3	9 100	50.5	84.4	7 800				52.0
54.0	23.9	67.0	8 500*	27.6	70.1	9 900*	32.3	73.7	10 700	36.4	76.6	9 900	42.4	80.2	8 600	47.7	82.6	7 300				54.0
56.0	18.0	61.7	8 100*	22.6	65.7	9 300*	28.1	70.2	10 000	32.7	73.7	9 300	39.2	77.9	8 100	44.8	80.7	6 800	49.7	82.4	5 700	56.0
58.0				16.1	59.9	8 100*	23.2	66.0	9 400	28.5	70.2	8 700	35.7	75.2	7 600	41.7	78.5	6 400	46.8	80.6	5 300	58.0
60.0							17.0	60.4	8 600*	23.7	66.1	8 200	31.9	72.2	7 100	38.4	76.1	6 000	43.9	78.6	4 900	60.0
62.0										17.7	60.7	7 800	27.7	68.7	6 700	34.9	73.4	5 600	40.7	76.4	4 600	62.0
64.0										8.0	51.6	7 300	22.7	64.3	6 300	31.0	70.3	5 200	37.4	73.9	4 200	64.0
66.0													16.3	58.5	5 900	26.6	66.6	4 900	33.8	71.0	3 900	66.0
68.0																21.4	62.0	4 500	29.8	67.8	3 600	68.0
70.0																14.4	55.6	4 300	25.2	63.9	3 300	70.0
72.0																			19.6	58.9	3 100	72.0
74.0																			11.6	51.5	2 800	74.0



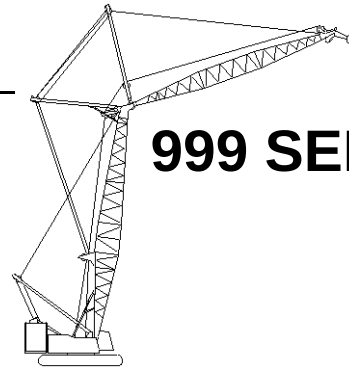
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

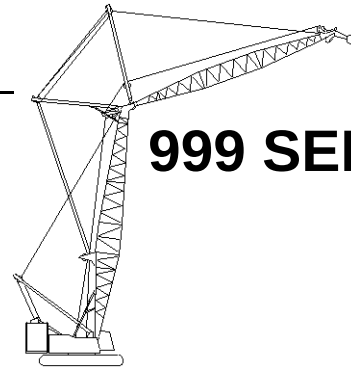
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



42.7m (140 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.8	101.2	20 300*																			18.3
20.0	74.0	100.7	20 100*																			20.0
22.0	72.0	100.1	19 700*																			22.0
24.0	69.9	99.3	19 300*	71.4	99.8	22 800*																24.0
26.0	67.7	98.6	18 800*	69.3	99.0	22 700*																26.0
28.0	65.6	97.7	18 600*	67.2	98.2	22 400*	69.6	98.9	22 000*													28.0
30.0	63.4	96.7	18 000*	65.0	97.3	21 400*	67.4	98.1	22 000*													30.0
32.0	61.1	95.6	17 000*	62.8	96.3	20 200*	65.3	97.2	21 100	67.6	97.8	19 900										32.0
34.0	58.8	94.5	15 900*	60.6	95.2	19 000*	63.1	96.2	19 700	65.5	96.9	18 500										34.0
36.0	56.5	93.2	14 800*	58.2	94.0	17 800*	60.8	95.1	18 400	63.3	95.9	17 200										36.0
38.0	54.1	91.8	13 800*	55.9	92.7	16 700*	58.5	93.9	17 200	61.0	94.9	16 100										38.0
40.0	51.6	90.2	12 800*	53.4	91.3	15 600*	56.1	92.6	16 100	58.7	93.7	15 100										40.0
42.0	49.0	88.5	12 000*	50.9	89.7	14 500*	53.7	91.2	15 100	56.4	92.4	14 100	60.6	93.8	12 600							42.0
44.0	46.3	86.7	11 200*	48.3	88.0	13 600*	51.2	89.6	14 200	54.0	91.0	13 300	58.3	92.6	11 700							44.0
46.0	43.5	84.7	10 500*	45.6	86.1	12 700*	48.6	87.9	13 400	51.5	89.4	12 500	55.9	91.3	11 000							46.0
48.0	40.5	82.4	9 800*	42.7	84.0	11 900*	45.9	86.1	12 600	48.9	87.7	11 800	53.5	89.8	10 400							48.0
50.0	37.3	79.9	9 200*	39.7	81.7	11 100*	43.0	84.0	11 900	46.2	85.9	11 100	51.0	88.3	9 700	55.4	89.8	8 400				50.0
52.0	33.9	77.1	8 700*	36.5	79.1	10 400*	40.0	81.7	11 300	43.3	83.8	10 500	48.4	86.5	9 200	52.9	88.3	7 900				52.0
54.0	30.1	73.8	8 200*	32.9	76.2	9 800*	36.8	79.1	10 700	40.3	81.6	9 900	45.6	84.7	8 600	50.4	86.7	7 400				54.0
56.0	25.8	70.0	7 900*	29.1	72.8	9 200*	33.3	76.3	10 100	37.2	79.1	9 400	42.8	82.6	8 100	47.7	84.9	6 900				56.0
58.0	20.7	65.2	7 600*	24.6	68.8	8 800*	29.5	72.9	9 500	33.7	76.2	8 900	39.8	80.3	7 600	45.0	83.0	6 500	49.6	84.7	5 400	58.0
60.0	13.9	58.7	6 900*	19.2	63.7	8 100*	25.1	69.0	9 000	29.9	72.9	8 300	36.5	77.7	7 200	42.1	80.9	6 100	47.0	82.9	5 000	60.0
62.0				11.6	56.2	6 700*	19.9	64.1	8 300*	25.6	69.1	7 800	33.0	74.8	6 800	39.0	78.5	5 700	44.2	80.9	4 600	62.0
64.0							12.6	57.0	7 200*	20.5	64.3	7 400	29.1	71.4	6 300	35.7	75.9	5 300	41.2	78.7	4 300	64.0
66.0										13.6	57.6	7 000	24.7	67.4	5 900	32.2	72.8	4 900	38.1	76.3	4 000	66.0
68.0													19.4	62.3	5 600	28.2	69.3	4 600	34.7	73.5	3 700	68.0
70.0													11.8	55.0	5 200	23.6	65.1	4 300	31.0	70.4	3 400	70.0
72.0																17.9	59.8	4 000	26.9	66.7	3 100	72.0
74.0																			22.1	62.3	2 900	74.0
76.0																			15.8	56.3	2 700	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

42.7m (140 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.0	103.9	18 400*																			19.8
20.0	74.9	103.8	18 400*																			20.0
22.0	72.9	103.3	18 200*																			22.0
24.0	70.9	102.6	17 800*	72.4	103.0	20 800*																24.0
26.0	68.9	101.8	17 400*	70.4	102.3	20 600*																26.0
28.0	66.9	101.0	17 200*	68.4	101.5	20 400*																28.0
30.0	64.8	100.1	16 900*	66.3	100.7	20 200*	68.6	101.4	19 800*													30.0
32.0	62.7	99.1	16 400*	64.3	99.8	19 300*	66.6	100.5	19 800*													32.0
34.0	60.6	98.0	15 400*	62.2	98.7	18 300*	64.5	99.6	19 300	66.8	100.3	18 000										34.0
36.0	58.4	96.8	14 400*	60.0	97.6	17 300*	62.4	98.6	17 900	64.7	99.3	16 700										36.0
38.0	56.1	95.5	13 500*	57.8	96.4	16 200*	60.2	97.5	16 700	62.6	98.3	15 600										38.0
40.0	53.8	94.1	12 600*	55.5	95.0	15 200*	58.0	96.3	15 600	60.5	97.2	14 600										40.0
42.0	51.4	92.5	11 800*	53.2	93.6	14 300*	55.8	94.9	14 700	58.3	96.0	13 700										42.0
44.0	49.0	90.8	11 000*	50.8	92.0	13 400*	53.5	93.5	13 800	56.0	94.7	12 800	60.1	96.2	11 300							44.0
46.0	46.4	89.0	10 300*	48.3	90.3	12 500*	51.1	91.9	13 000	53.7	93.3	12 000	57.9	94.9	10 600							46.0
48.0	43.8	87.0	9 700*	45.8	88.4	11 700*	48.6	90.2	12 200	51.3	91.7	11 300	55.6	93.6	9 900							48.0
50.0	40.9	84.8	9 100*	43.1	86.3	11 000*	46.0	88.4	11 500	48.9	90.0	10 700	53.3	92.1	9 300							50.0
52.0	38.0	82.3	8 600*	40.2	84.1	10 300*	43.4	86.3	10 900	46.3	88.2	10 100	50.9	90.6	8 700	55.1	92.1	7 400				52.0
54.0	34.8	79.5	8 100*	37.2	81.5	9 700*	40.5	84.1	10 300	43.6	86.2	9 500	48.4	88.8	8 200	52.7	90.6	6 900				54.0
56.0	31.3	76.4	7 700*	33.9	78.7	9 200*	37.5	81.6	9 800	40.8	83.9	8 900	45.8	87.0	7 700	50.3	89.0	6 500				56.0
58.0	27.4	72.8	7 300*	30.3	75.4	8 600*	34.3	78.8	9 200	37.8	81.5	8 500	43.1	84.9	7 200	47.8	87.2	6 100	52.0	88.7	4 900	58.0
60.0	22.9	68.5	7 000*	26.3	71.7	8 000*	30.7	75.6	8 700*	34.6	78.7	8 000	40.3	82.6	6 800	45.2	85.3	5 600	49.6	87.0	4 600	60.0
62.0	17.4	62.9	6 500*	21.6	67.1	7 400*	26.8	71.9	8 100*	31.1	75.6	7 600	37.2	80.1	6 400	42.5	83.2	5 200	47.1	85.2	4 200	62.0
64.0	8.8	54.1	5 200*	15.6	61.0	6 400*	22.2	67.4	7 600*	27.2	71.9	7 100	34.0	77.3	6 000	39.6	80.9	4 900	44.4	83.2	3 900	64.0
66.0							16.4	61.6	6 800*	22.7	67.5	6 700	30.4	74.0	5 700	36.5	78.3	4 600	41.6	81.1	3 600	66.0
68.0										17.1	61.9	6 300	26.4	70.3	5 300	33.2	75.4	4 300	38.7	78.7	3 300	68.0
70.0										8.2	52.7	5 800	21.7	65.7	5 000	29.5	72.0	4 000	35.6	76.0	3 000	70.0
72.0													15.8	59.7	4 600	25.4	68.1	3 700	32.2	73.0	2 800	72.0
74.0																20.5	63.3	3 400	28.4	69.5	2 600	74.0
76.0																14.0	56.7	3 200	24.1	65.4	2 300	76.0
78.0																			18.8	60.2	2 100	78.0
80.0																			11.5	52.6	1 900	80.0



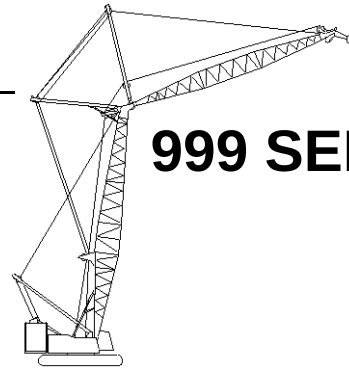
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

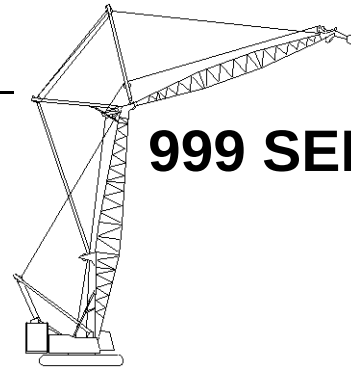
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



42.7m (140 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.8	107.1	16 900*																			19.8
20.0	75.6	107.0	16 900*																			20.0
22.0	73.7	106.4	16 700*																			22.0
24.0	71.9	105.8	16 500*																			24.0
26.0	70.0	105.1	16 300*	71.4	105.5	18 800*																26.0
28.0	68.0	104.3	15 900*	69.5	104.8	18 600*																28.0
30.0	66.1	103.5	15 600*	67.5	104.0	18 500*	69.7	104.6	18 000*													30.0
32.0	64.1	102.5	15 300*	65.6	103.1	18 300*	67.8	103.9	17 900*													32.0
34.0	62.1	101.5	14 900*	63.6	102.2	17 500*	65.8	103.0	17 800*													34.0
36.0	60.0	100.4	14 000*	61.6	101.1	16 600*	63.8	102.0	17 500	66.0	102.7	16 400										36.0
38.0	57.9	99.1	13 100*	59.5	100.0	15 700*	61.8	101.0	16 300	64.0	101.8	15 200										38.0
40.0	55.8	97.8	12 300*	57.4	98.7	14 800*	59.7	99.8	15 300	62.0	100.7	14 200										40.0
42.0	53.6	96.4	11 600*	55.2	97.4	14 000*	57.6	98.6	14 300	60.0	99.6	13 300										42.0
44.0	51.3	94.8	10 900*	53.0	95.9	13 100*	55.5	97.3	13 400	57.9	98.4	12 500	61.6	99.7	10 900							44.0
46.0	49.0	93.1	10 200*	50.7	94.3	12 400*	53.3	95.8	12 600	55.7	97.0	11 700	59.6	98.5	10 200							46.0
48.0	46.6	91.3	9 600*	48.4	92.6	11 600*	51.0	94.2	11 900	53.5	95.6	11 000	57.5	97.3	9 500							48.0
50.0	44.0	89.3	9 000*	45.9	90.7	10 900*	48.6	92.5	11 200	51.2	94.0	10 300	55.3	95.9	8 900							50.0
52.0	41.4	87.1	8 500*	43.3	88.7	10 200*	46.2	90.7	10 600	48.9	92.3	9 700	53.1	94.5	8 300	57.0	95.8	7 100				52.0
54.0	38.6	84.7	8 000*	40.7	86.4	9 600*	43.6	88.6	10 000	46.4	90.5	9 100	50.8	92.9	7 800	54.8	94.4	6 600				54.0
56.0	35.6	82.0	7 600*	37.8	83.9	9 000*	41.0	86.4	9 400	43.9	88.5	8 600	48.4	91.1	7 300	52.5	92.9	6 100				56.0
58.0	32.3	79.0	7 200*	34.8	81.2	8 400*	38.1	84.0	8 900	41.2	86.3	8 100	46.0	89.3	6 900	50.2	91.3	5 700				58.0
60.0	28.8	75.6	6 800*	31.4	78.1	7 800*	35.1	81.2	8 400	38.4	83.9	7 700	43.4	87.2	6 500	47.9	89.5	5 300	51.9	91.0	4 200	60.0
62.0	24.7	71.5	6 600*	27.8	74.5	7 300*	31.8	78.2	7 900*	35.4	81.2	7 200	40.7	85.0	6 000	45.4	87.6	4 900	49.6	89.3	3 900	62.0
64.0	19.9	66.6	6 100*	23.6	70.3	6 800*	28.2	74.7	7 300*	32.2	78.1	6 800	37.9	82.5	5 700	42.8	85.5	4 600	47.1	87.5	3 500	64.0
66.0	13.6	59.8	5 000*	18.5	65.0	6 000*	24.1	70.5	6 800*	28.6	74.7	6 400	34.8	79.8	5 300	40.1	83.3	4 300	44.6	85.6	3 200	66.0
68.0				11.4	57.3	4 900*	19.2	65.4	6 300*	24.5	70.6	6 100	31.5	76.7	5 000	37.2	80.7	3 900	42.0	83.4	3 000	68.0
70.0							12.4	58.1	5 300*	19.7	65.6	5 700	27.9	73.1	4 700	34.1	77.9	3 700	39.2	81.1	2 700	70.0
72.0										13.3	58.7	5 300	23.7	68.9	4 400	30.7	74.7	3 400	36.3	78.4	2 400	72.0
74.0													18.7	63.6	4 100	26.9	71.0	3 200	33.1	75.5	2 200	74.0
76.0													11.6	56.1	3 800	22.6	66.6	2 900	29.7	72.2	2 000	76.0
78.0																17.3	61.0	2 700				78.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

42.7m (140 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.1	109.8	15 300*																			21.3
22.0	74.5	109.6	15 200*																			22.0
24.0	72.7	109.0	15 000*																			24.0
26.0	70.9	108.3	14 900*	72.3	108.7	17 100*																26.0
28.0	69.1	107.6	14 700*	70.4	108.1	16 900*																28.0
30.0	67.2	106.8	14 400*	68.6	107.3	16 800*																30.0
32.0	65.4	105.9	14 100*	66.8	106.5	16 600*	68.8	107.1	16 200*													32.0
34.0	63.5	104.9	14 000*	64.9	105.6	16 400*	67.0	106.3	16 100*													34.0
36.0	61.5	103.9	13 500*	63.0	104.6	16 000*	65.1	105.4	16 000*	67.2	106.0	15 900										36.0
38.0	59.6	102.7	12 700*	61.0	103.5	15 100*	63.2	104.4	15 800	65.3	105.1	14 700										38.0
40.0	57.6	101.5	12 000*	59.1	102.3	14 400*	61.3	103.4	14 800	63.4	104.2	13 800										40.0
42.0	55.5	100.1	11 300*	57.0	101.1	13 600*	59.3	102.2	13 800	61.5	103.1	12 900										42.0
44.0	53.4	98.7	10 600*	55.0	99.7	12 900*	57.3	100.9	13 000	59.5	102.0	12 000										44.0
46.0	51.2	97.1	10 000*	52.8	98.2	12 100*	55.2	99.6	12 200	57.5	100.7	11 200	61.1	102.0	9 700							46.0
48.0	49.0	95.4	9 400*	50.7	96.6	11 400*	53.1	98.1	11 400	55.4	99.4	10 500	59.1	100.9	9 100							48.0
50.0	46.7	93.6	8 900*	48.4	94.9	10 700*	50.9	96.5	10 700	53.3	97.9	9 900	57.1	99.6	8 500							50.0
52.0	44.3	91.6	8 400*	46.1	93.0	10 100*	48.7	94.8	10 100	51.1	96.3	9 300	55.0	98.2	7 900							52.0
54.0	41.7	89.5	7 900*	43.6	91.0	9 400*	46.3	93.0	9 600	48.9	94.7	8 700	52.9	96.8	7 400	56.6	98.1	6 100				54.0
56.0	39.1	87.1	7 500*	41.1	88.8	8 700*	43.9	91.0	9 000	46.6	92.8	8 200	50.7	95.2	6 900	54.5	96.7	5 700				56.0
58.0	36.3	84.5	7 100*	38.4	86.3	8 100*	41.4	88.8	8 500	44.1	90.8	7 700	48.5	93.4	6 500	52.4	95.2	5 300				58.0
60.0	33.2	81.5	6 700*	35.5	83.6	7 500*	38.7	86.4	8 000	41.6	88.6	7 300	46.1	91.6	6 000	50.2	93.6	4 900				60.0
62.0	29.9	78.2	6 400*	32.4	80.6	7 000*	35.8	83.7	7 500	39.0	86.2	6 800	43.7	89.5	5 600	47.9	91.8	4 500	51.8	93.3	3 400	62.0
64.0	26.3	74.4	6 000*	29.0	77.2	6 500*	32.8	80.7	7 000*	36.1	83.6	6 400	41.1	87.3	5 300	45.6	89.9	4 200	49.5	91.6	3 100	64.0
66.0	22.0	69.9	5 500*	25.3	73.3	6 000*	29.4	77.4	6 500*	33.1	80.7	6 100	38.4	84.9	4 900	43.1	87.9	3 900	47.2	89.8	2 800	66.0
68.0	16.8	64.1	4 700*	20.8	68.5	5 500*	25.7	73.5	6 100*	29.8	77.4	5 700	35.6	82.2	4 600	40.5	85.6	3 500	44.8	87.9	2 600	68.0
70.0	8.9	55.1	3 600*	15.2	62.2	4 600*	21.4	68.8	5 600*	26.1	73.5	5 400	32.5	79.2	4 300	37.8	83.1	3 300	42.4	85.8	2 300	70.0
72.0							15.9	62.8	5 000*	21.8	69.0	5 100	29.1	75.8	4 000	34.9	80.4	3 000	39.7	83.4	2 000	72.0
74.0										16.5	63.1	4 700	25.3	71.9	3 700	31.7	77.3	2 800				74.0
76.0										8.4	53.8	4 200	20.9	67.1	3 500	28.3	73.8	2 500				76.0
78.0													15.3	60.9	3 200	24.4	69.7	2 300				78.0
80.0																		2 100				80.0
82.0																		1 900				82.0



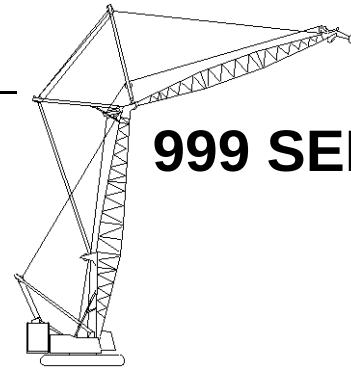
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

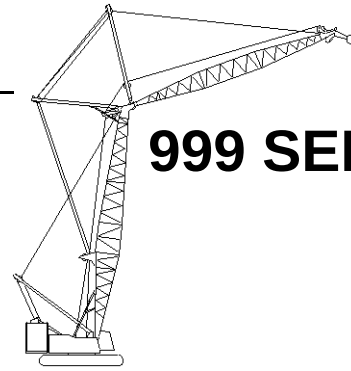
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



42.7m (140 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.8	113.0	14 300*																21.3
22.0	75.2	112.8	14 200*																22.0
24.0	73.5	112.2	14 000*																24.0
26.0	71.8	111.6	13 800*	73.0	111.9	16 100*													26.0
28.0	70.0	110.9	13 600*	71.3	111.3	16 000*													28.0
30.0	68.3	110.1	13 400*	69.6	110.6	15 800*													30.0
32.0	66.5	109.2	13 200*	67.8	109.8	15 700*	69.8	110.4	15 600*										32.0
34.0	64.7	108.3	12 900*	66.1	108.9	15 200*	68.0	109.6	15 500*										34.0
36.0	62.9	107.3	12 400*	64.2	108.0	14 500*	66.2	108.8	15 400*										36.0
38.0	61.0	106.2	11 700*	62.4	107.0	13 800*	64.4	107.8	15 300*	66.4	108.5	14 400							38.0
40.0	59.1	105.1	11 000*	60.5	105.9	13 100*	62.6	106.8	14 500	64.6	107.6	13 400							40.0
42.0	57.2	103.8	10 400*	58.6	104.7	12 400*	60.8	105.7	13 500	62.8	106.6	12 500							42.0
44.0	55.2	102.5	9 800*	56.7	103.4	11 800*	58.9	104.6	12 700	60.9	105.5	11 700							44.0
46.0	53.2	101.0	9 300*	54.7	102.0	11 200*	56.9	103.3	11 900	59.1	104.3	11 000	62.5	105.5	9 500				46.0
48.0	51.1	99.4	8 700*	52.7	100.5	10 500*	54.9	101.9	11 200	57.1	103.0	10 200	60.6	104.4	8 800				48.0
50.0	49.0	97.7	8 200*	50.6	98.9	9 900*	52.9	100.4	10 500	55.1	101.7	9 600	58.7	103.2	8 200				50.0
52.0	46.8	95.9	7 800*	48.4	97.2	9 400*	50.8	98.8	9 800	53.1	100.2	9 000	56.7	101.9	7 700				52.0
54.0	44.5	93.9	7 300*	46.2	95.3	8 900*	48.7	97.1	9 200	51.0	98.6	8 400	54.8	100.6	7 100				54.0
56.0	42.1	91.8	6 900*	43.9	93.3	8 400*	46.4	95.3	8 700	48.9	97.0	7 900	52.7	99.1	6 600	56.3	100.4	5 400	56.0
58.0	39.6	89.4	6 600*	41.4	91.1	7 900*	44.1	93.3	8 200	46.7	95.1	7 400	50.6	97.5	6 200	54.3	99.0	5 000	58.0
60.0	36.9	86.9	6 300*	38.9	88.7	7 300*	41.7	91.1	7 700	44.4	93.1	7 000	48.5	95.7	5 800	52.2	97.5	4 600	60.0
62.0	34.1	84.0	6 000*	36.2	86.1	6 700*	39.2	88.7	7 300	42.0	91.0	6 500	46.2	93.9	5 400	50.1	95.9	4 300	62.0
64.0	31.0	80.9	5 700*	33.3	83.2	6 300*	36.5	86.1	6 800	39.4	88.6	6 200	43.9	91.9	5 000	48.0	94.2	3 900	64.0
66.0	27.6	77.3	5 300*	30.2	79.9	5 800*	33.6	83.2	6 300*	36.8	86.0	5 800	41.5	89.7	4 700	45.7	92.3	3 600	66.0
68.0	23.8	73.0	4 900*	26.7	76.1	5 400*	30.5	80.0	5 800*	33.9	83.2	5 400	38.9	87.3	4 300	43.4	90.2	3 300	68.0
70.0	19.3	67.9	4 400*	22.7	71.7	5 000*	27.1	76.3	5 400*	30.8	80.0	5 100	36.2	84.7	4 000	40.9	88.0	3 000	70.0
72.0	13.3	60.9	3 400*	17.9	66.2	4 300*	23.2	72.0	5 000*	27.5	76.4	4 800	33.4	81.7	3 800	38.3	85.5	2 700	72.0
74.0				11.3	58.4	3 400*	18.5	66.7	4 600*	23.6	72.1	4 500	30.2	78.5	3 500	35.6	82.8	2 500	74.0
76.0							12.2	59.2	3 800*	19.1	66.9	4 200	26.8	74.7	3 200	32.7	79.8	2 200	76.0
78.0										13.0	59.8	3 900	22.8	70.4	3 000	29.5	76.5	2 100	78.0
80.0													18.1	64.9	2 800	25.9	72.6	1 800	80.0
82.0													11.5	57.1	2 600				82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

42.7m (140 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.1	115.7	13 000*																22.9
24.0	74.2	115.4	12 900*																24.0
26.0	72.6	114.8	12 700*	73.8	115.1	14 700*													26.0
28.0	70.9	114.1	12 600*	72.1	114.5	14 600*													28.0
30.0	69.2	113.4	12 300*	70.5	113.8	14 400*													30.0
32.0	67.5	112.6	12 200*	68.8	113.1	14 300*	70.7	113.6	14 100*										32.0
34.0	65.8	111.7	11 900*	67.1	112.2	14 100*	69.0	112.9	14 000*										34.0
36.0	64.1	110.7	11 700*	65.4	111.4	13 800*	67.3	112.1	13 900*										36.0
38.0	62.3	109.7	11 200*	63.7	110.4	13 200*	65.6	111.2	13 800*										38.0
40.0	60.6	108.6	10 600*	61.9	109.3	12 600*	63.8	110.2	13 700	65.8	110.9	13 000							40.0
42.0	58.7	107.4	10 100*	60.1	108.2	12 000*	62.1	109.2	13 200	64.0	110.0	12 100							42.0
44.0	56.9	106.2	9 500*	58.3	107.0	11 400*	60.3	108.1	12 200	62.3	109.0	11 300							44.0
46.0	55.0	104.8	9 000*	56.4	105.7	10 800*	58.5	106.9	11 500	60.5	107.8	10 500							46.0
48.0	53.0	103.3	8 500*	54.5	104.3	10 200*	56.6	105.6	10 700	58.7	106.7	9 800	61.9	107.9	8 400				48.0
50.0	51.0	101.7	8 000*	52.5	102.8	9 700*	54.7	104.2	10 100	56.8	105.4	9 200	60.1	106.8	7 800				50.0
52.0	49.0	100.0	7 600*	50.5	101.2	9 200*	52.7	102.7	9 400	54.9	104.0	8 600	58.3	105.6	7 200				52.0
54.0	46.9	98.2	7 200*	48.4	99.5	8 700*	50.7	101.1	8 800	52.9	102.5	8 000	56.4	104.3	6 700				54.0
56.0	44.7	96.3	6 800*	46.3	97.6	8 200*	48.7	99.4	8 300	51.0	101.0	7 500	54.5	102.9	6 200				56.0
58.0	42.4	94.1	6 400*	44.1	95.6	7 600*	46.5	97.6	7 800	48.9	99.3	7 100	52.6	101.4	5 800	56.0	102.8	4 600	58.0
60.0	40.0	91.8	6 100*	41.8	93.4	7 000*	44.3	95.6	7 300	46.8	97.4	6 600	50.6	99.8	5 400	54.1	101.4	4 200	60.0
62.0	37.5	89.3	5 800*	39.4	91.1	6 500*	42.0	93.4	6 900	44.6	95.4	6 200	48.5	98.0	5 000	52.1	99.8	3 800	62.0
64.0	34.8	86.5	5 400*	36.8	88.5	6 000*	39.6	91.1	6 500	42.3	93.3	5 800	46.4	96.2	4 600	50.1	98.2	3 500	64.0
66.0	31.9	83.4	5 000*	34.1	85.7	5 500*	37.1	88.6	6 000*	39.9	91.0	5 400	44.1	94.2	4 300	48.0	96.5	3 200	66.0
68.0	28.8	80.0	4 700*	31.1	82.5	5 100*	34.4	85.7	5 500*	37.3	88.5	5 000	41.8	92.0	3 900	45.8	94.6	2 900	68.0
70.0	25.3	76.0	4 300*	27.9	78.9	4 700*	31.5	82.6	5 100*	34.7	85.7	4 700	39.4	89.7	3 600	43.6	92.5	2 600	70.0
72.0	21.3	71.3	3 900*	24.3	74.8	4 300*	28.3	79.1	4 700*	31.8	82.6	4 400	36.9	87.1	3 300	41.3	90.3	2 400	72.0
74.0	16.4	65.3	3 200*	20.1	69.8	3 900*	24.8	75.0	4 400*	28.6	79.1	4 100	34.1	84.2	3 100	38.8	87.9	2 100	74.0
76.0	9.1	56.2	2 200*	14.8	63.4	3 100*	20.6	70.2	4 000*	25.1	75.1	3 900	31.2	81.1	2 800	36.2	85.3	1 900	76.0
78.0							15.5	63.9	3 500*	21.1	70.4	3 600	28.0	77.5	2 600				78.0
80.0										16.1	64.3	3 400	24.4	73.4	2 400				80.0
82.0										8.6	54.9	2 800	20.2	68.5	2 200				82.0
84.0													15.0	62.0	2 000				84.0



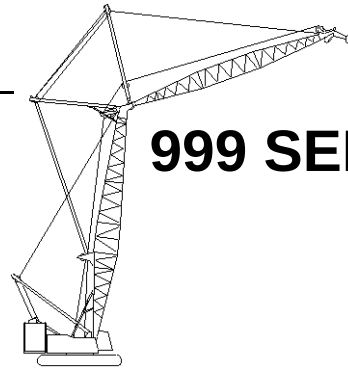
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

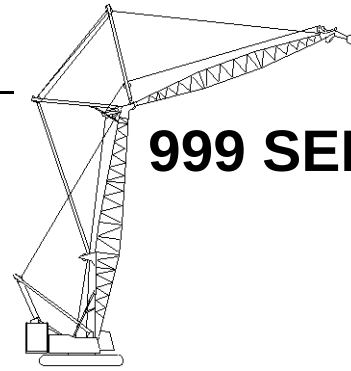


45.7m (150 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	63.4	67.1	52 500*b																			13.7
14.0	62.5	66.9	51 800*b																			14.0
16.0	56.2	65.7	47 500*b	61.3	66.6	50 600*b																16.0
18.0	49.4	64.1	43 800*	54.9	65.3	46 500*	62.4	66.5	46 800b													18.0
20.0	41.7	62.0	39 300*	47.9	63.6	43 000*	56.1	65.3	42 100b	63.5	66.3	40 100b										20.0
22.0	32.6	59.3	35 300*	40.0	61.5	39 600*	49.3	63.7	38 300	57.3	65.1	36 400b										22.0
24.0	19.9	55.0	31 200*	30.4	58.5	35 600*	41.6	61.6	35 000	50.5	63.6	33 300										24.0
26.0							32.4	58.9	32 300	43.0	61.7	30 600	56.9	64.1	28 100b							26.0
28.0							19.7	54.6	29 700	34.2	59.1	28 400	50.1	62.6	25 900							28.0
30.0										22.5	55.2	26 400	42.6	60.6	24 000							30.0
32.0													33.6	58.0	22 300	49.4	61.1	20 300				32.0
34.0													21.6	54.0	20 600	41.7	59.1	18 800				34.0
36.0																32.6	56.4	17 300	48.1	59.3	15 700	36.0
38.0																19.9	52.1	16 100	40.3	57.1	14 500	38.0
40.0																			30.8	54.2	13 500	40.0
42.0																			16.9	49.4	12 500	42.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.9	70.4	48 500*b																			13.7
14.0	66.2	70.3	48 200*b																			14.0
16.0	60.9	69.3	45 700*b	65.2	70.0	49 000*b																16.0
18.0	55.3	68.0	42 500*	59.8	68.9	45 100*	66.1	69.9	46 000b													18.0
20.0	49.3	66.4	37 900*	54.1	67.6	41 700*	60.8	68.9	41 400b	67.1	69.7	39 500b										20.0
22.0	42.7	64.4	33 600*	48.0	65.9	38 800*	55.2	67.6	37 600	61.8	68.7	35 800b										22.0
24.0	35.0	61.8	30 300*	41.2	63.8	35 600*	49.2	66.0	34 400	56.3	67.5	32 700										24.0
26.0	25.4	58.3	27 800*	33.3	61.1	32 200*	42.6	64.0	31 700	50.4	65.9	30 100	61.5	67.7	27 600b							26.0
28.0				23.0	57.2	29 200*	34.9	61.4	29 400	43.8	64.0	27 800	55.9	66.5	25 400							28.0
30.0							25.2	57.8	27 400	36.4	61.5	25 900	50.0	64.9	23 500							30.0
32.0							7.6	50.6	24 500	27.2	58.2	24 200	43.4	62.9	21 900	55.3	65.0	19 900				32.0
34.0													35.9	60.5	20 500	49.3	63.4	18 500				34.0
36.0													26.6	57.0	18 900	42.7	61.5	17 200				36.0
38.0													11.4	50.9	17 500	35.0	58.9	15 900	48.2	61.6	14 300	38.0
40.0																25.4	55.3	14 800	41.5	59.5	13 300	40.0
42.0																			33.6	56.8	12 400	42.0
44.0																			23.4	53.0	11 500	44.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.6	73.7	44 900*b																			13.7
14.0	69.0	73.6	44 700*b																			14.0
16.0	64.4	72.7	43 000*b	68.1	73.3	47 600*b																16.0
18.0	59.7	71.6	40 600*	63.5	72.4	44 000*																18.0
20.0	54.6	70.3	36 700*	58.7	71.3	40 800*	64.4	72.3	40 700b													20.0
22.0	49.3	68.7	32 700*	53.6	69.9	37 900*	59.6	71.2	36 900	65.2	72.1	35 200b										22.0
24.0	43.4	66.7	29 200*	48.1	68.2	35 200*	54.6	69.9	33 800	60.5	71.1	32 100										24.0
26.0	36.8	64.3	26 400*	42.1	66.2	31 900*	49.2	68.3	31 100	55.5	69.8	29 500										26.0
28.0	28.9	61.1	24 300*	35.3	63.6	28 600*	43.3	66.3	28 800	50.2	68.2	27 200	60.2	70.1	24 900							28.0
30.0	18.1	56.3	22 900*	27.1	60.2	26 200*	36.7	63.9	26 700	44.4	66.3	25 300	55.2	68.8	23 000							30.0
32.0				15.0	54.8	23 600*	28.8	60.7	25 000	38.0	64.0	23 600	49.9	67.2	21 400							32.0
34.0							17.9	55.8	23 200	30.4	60.9	22 100	44.1	65.3	20 000	54.6	67.4	18 100				34.0
36.0										20.3	56.5	20 500	37.6	62.9	18 700	49.3	65.7	16 900				36.0
38.0													29.9	59.8	17 300	43.4	63.8	15 700				38.0
40.0													19.6	55.3	16 100	36.8	61.3	14 500	48.3	63.9	13 000	40.0
42.0																29.0	58.1	13 600	42.4	61.8	12 100	42.0
44.0																18.1	53.4	12 600	35.6	59.3	11 300	44.0
46.0																			27.4	55.9	10 500	46.0
48.0																			15.6	50.6	9 800	48.0



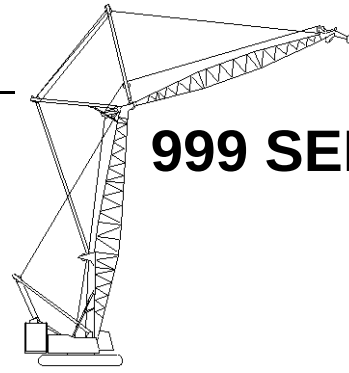
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

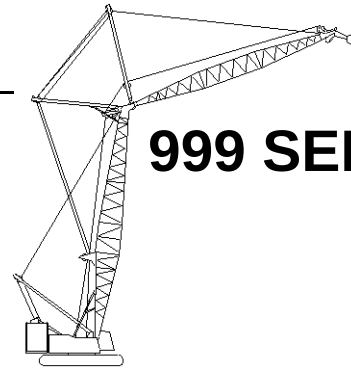
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	71.8	77.0	41 500*																			13.7
14.0	71.2	76.9	41 200*																			14.0
16.0	67.2	76.1	39 500*	70.4	76.6	46 000*																16.0
18.0	63.0	75.1	37 900*	66.3	75.8	42 600*																18.0
20.0	58.6	74.0	35 400*	62.1	74.8	39 600*	67.1	75.7	39 800													20.0
22.0	54.1	72.6	31 700*	57.7	73.6	36 900*	62.9	74.7	36 100													22.0
24.0	49.2	71.0	28 500*	53.1	72.2	34 400*	58.6	73.6	33 000	63.7	74.5	31 300										24.0
26.0	44.0	69.0	25 600*	48.2	70.5	31 100*	54.0	72.2	30 400	59.4	73.4	28 800										26.0
28.0	38.2	66.7	23 300*	42.9	68.5	28 100*	49.2	70.6	28 100	54.9	72.1	26 600										28.0
30.0	31.5	63.7	21 300*	36.9	66.0	25 300*	43.9	68.6	26 100	50.1	70.5	24 600	59.1	72.4	22 400							30.0
32.0	23.1	59.7	19 900*	30.0	62.9	23 200*	38.1	66.3	24 300	44.9	68.6	23 000	54.6	71.1	20 800							32.0
34.0				21.0	58.6	21 500*	31.4	63.3	22 800	39.2	66.4	21 400	49.8	69.5	19 400							34.0
36.0							22.9	59.3	21 300	32.7	63.5	20 100	44.6	67.6	18 100	54.1	69.7	16 300				36.0
38.0							8.2	51.7	18 900	24.7	59.8	18 800	38.9	65.3	17 000	49.2	68.0	15 200				38.0
40.0													32.3	62.4	15 800	44.0	66.1	14 200				40.0
42.0													24.1	58.6	14 700	38.2	63.8	13 200	48.4	66.2	11 700	42.0
44.0													11.2	52.0	13 800	31.5	60.8	12 300	43.1	64.2	10 900	44.0
46.0																23.1	56.8	11 500	37.1	61.7	10 100	46.0
48.0																			30.2	58.6	9 400	48.0
50.0																			21.3	54.4	8 800	50.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.5	80.2	38 400*																			13.7
14.0	73.0	80.1	38 200*																			14.0
16.0	69.3	79.4	37 000*	72.2	79.9	44 500*																16.0
18.0	65.6	78.5	35 200*	68.6	79.1	41 400*																18.0
20.0	61.8	77.5	33 900*	64.9	78.2	38 500*	69.3	79.0	39 200													20.0
22.0	57.8	76.3	30 800*	61.0	77.2	36 000*	65.6	78.1	35 600													22.0
24.0	53.6	74.9	27 800*	57.0	75.9	33 500*	61.7	77.1	32 500													24.0
26.0	49.2	73.3	25 100*	52.8	74.5	30 500*	57.8	75.9	29 900	62.4	76.9	28 300										26.0
28.0	44.5	71.4	22 700*	48.3	72.8	27 600*	53.6	74.5	27 600	58.5	75.8	26 200										28.0
30.0	39.3	69.1	20 700*	43.5	70.8	25 000*	49.2	72.9	25 700	54.3	74.4	24 300										30.0
32.0	33.4	66.3	19 000*	38.2	68.5	22 700*	44.4	71.0	23 900	50.0	72.8	22 600	58.2	74.8	20 500							32.0
34.0	26.4	62.7	17 700*	32.1	65.5	20 800*	39.2	68.7	22 400	45.3	70.9	21 100	54.1	73.4	19 000							34.0
36.0	16.9	57.5	16 900*	24.8	61.7	19 300*	33.3	65.9	21 000	40.2	68.7	19 800	49.7	71.8	17 800							36.0
38.0				14.2	55.9	17 900*	26.3	62.3	19 700	34.5	66.0	18 600	45.0	69.9	16 700	53.6	72.0	14 900				38.0
40.0							16.7	57.1	18 200	27.7	62.6	17 400	39.9	67.7	15 700	49.2	70.3	14 000				40.0
42.0										18.8	57.8	16 200	34.1	64.9	14 600	44.5	68.4	13 100				42.0
44.0													27.3	61.5	13 600	39.3	66.1	12 200	48.5	68.5	10 700	44.0
46.0													18.2	56.5	12 800	33.4	63.4	11 400	43.6	66.5	10 000	46.0
48.0																26.4	59.8	10 600	38.4	64.1	9 300	48.0
50.0																16.9	54.6	10 000	32.4	61.2	8 700	50.0
52.0																			25.1	57.5	8 200	52.0
54.0																			14.7	51.8	7 700	54.0



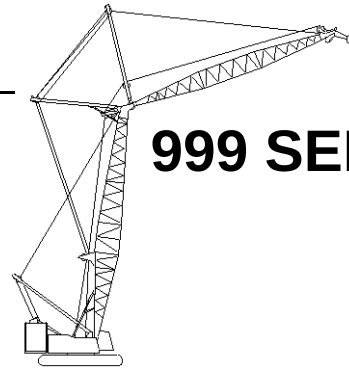
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

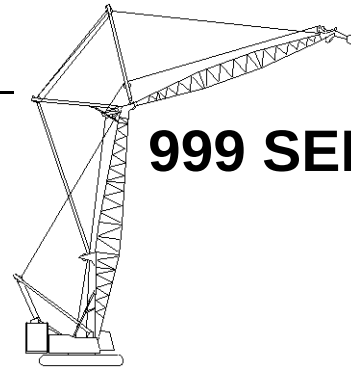
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.9	83.4	35 400*																			13.7
14.0	74.4	83.3	35 200*																			14.0
16.0	71.1	82.6	34 000*																			16.0
18.0	67.8	81.9	32 800*	70.5	82.4	40 000*																18.0
20.0	64.3	81.0	32 000*	67.1	81.6	37 400*																20.0
22.0	60.8	79.9	29 900*	63.6	80.6	34 900*	67.7	81.5	34 900													22.0
24.0	57.1	78.7	27 000*	60.0	79.5	32 600*	64.3	80.6	31 800													24.0
26.0	53.3	77.2	24 500*	56.3	78.3	29 800*	60.7	79.5	29 200	64.9	80.4	27 600										26.0
28.0	49.2	75.6	22 300*	52.5	76.8	27 000*	57.1	78.3	27 000	61.4	79.3	25 500										28.0
30.0	44.9	73.7	20 300*	48.3	75.1	24 500*	53.2	76.8	25 000	57.7	78.1	23 600										30.0
32.0	40.2	71.5	18 500*	44.0	73.2	22 400*	49.1	75.2	23 300	53.9	76.7	22 000	61.2	78.3	19 800							32.0
34.0	35.0	68.8	17 000*	39.2	70.8	20 500*	44.8	73.3	21 800	49.9	75.1	20 500	57.5	77.1	18 500							34.0
36.0	29.0	65.5	15 800*	33.8	68.1	18 700*	40.1	71.0	20 400	45.6	73.3	19 200	53.7	75.7	17 200							36.0
38.0	21.4	61.1	15 000*	27.6	64.6	17 300*	34.9	68.4	19 200	41.0	71.1	18 000	49.7	74.1	16 100							38.0
40.0				19.5	59.9	16 300*	28.9	65.1	18 100	35.9	68.5	16 900	45.4	72.2	15 100	53.3	74.3	13 400				40.0
42.0							21.3	60.7	16 900	30.0	65.4	15 900	40.7	70.0	14 200	49.2	72.6	12 600				42.0
44.0							8.6	52.9	14 800	22.8	61.2	14 900	35.6	67.4	13 300	44.9	70.7	11 800				44.0
46.0													29.7	64.2	12 400	40.2	68.5	11 000	48.5	70.8	9 600	46.0
48.0													22.3	60.0	11 700	35.0	65.9	10 300	44.1	68.8	9 000	48.0
50.0													11.0	53.1	11 000	29.0	62.6	9 600	39.4	66.5	8 300	50.0
52.0																21.4	58.2	9 000	34.0	63.8	7 800	52.0
54.0																			27.8	60.4	7 300	54.0
56.0																			19.9	55.7	6 800	56.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	73.8	86.1	32 300*																			15.2
16.0	72.6	85.9	31 700*																			16.0
18.0	69.6	85.1	30 500*	72.0	85.6	37 800*																18.0
20.0	66.4	84.3	29 900*	68.9	84.9	36 300*																20.0
22.0	63.2	83.4	28 400*	65.8	84.0	34 000*	69.5	84.8	34 200													22.0
24.0	59.9	82.2	26 500*	62.6	83.0	31 700*	66.4	83.9	31 200													24.0
26.0	56.5	81.0	24 100*	59.2	81.9	29 100*	63.2	83.0	28 600	67.0	83.7	27 100										26.0
28.0	52.9	79.5	21 900*	55.8	80.6	26 700*	59.9	81.9	26 500	63.8	82.8	25 000										28.0
30.0	49.2	77.9	20 100*	52.2	79.1	24 300*	56.5	80.6	24 500	60.5	81.7	23 100										30.0
32.0	45.2	76.0	18 300*	48.4	77.4	22 200*	52.9	79.1	22 800	57.1	80.4	21 500										32.0
34.0	40.9	73.8	16 800*	44.4	75.5	20 300*	49.1	77.5	21 300	53.5	79.0	20 000	60.3	80.7	18 000							34.0
36.0	36.2	71.3	15 500*	40.0	73.2	18 600*	45.2	75.6	20 000	49.8	77.4	18 700	56.9	79.4	16 800							36.0
38.0	30.9	68.2	14 400*	35.2	70.6	17 100*	40.9	73.4	18 700	45.9	75.6	17 600	53.3	78.0	15 700							38.0
40.0	24.6	64.3	13 600*	29.7	67.4	15 900*	36.2	70.8	17 700	41.7	73.4	16 500	49.6	76.4	14 700	56.5	78.0	13 000				40.0
42.0	16.0	58.7	13 100*	23.1	63.2	14 900*	30.8	67.8	16 600	37.1	71.0	15 600	45.6	74.5	13 800	52.9	76.6	12 200				42.0
44.0				13.6	57.0	13 800*	24.5	63.8	15 600	31.9	68.0	14 600	41.4	72.4	13 000	49.2	74.9	11 400	52.3	74.8	9 300	44.0
46.0							15.9	58.2	14 500	25.7	64.2	13 700	36.8	69.9	12 200	45.2	73.1	10 700	48.5	73.1	8 700	46.0
48.0										17.7	59.1	12 800	31.5	66.9	11 400	40.9	70.9	10 000	44.5	71.1	8 100	48.0
50.0													25.3	63.1	10 700	36.2	68.3	9 300	40.2	68.9	7 500	50.0
52.0													17.1	57.8	10 100	30.9	65.2	8 700	35.4	66.3	7 000	52.0
54.0																24.6	61.3	8 200	29.9	63.1	6 500	54.0
56.0																16.0	55.8	7 700	23.4	59.0	6 100	56.0
58.0																			14.1	52.9	5 700	58.0
60.0																						60.0



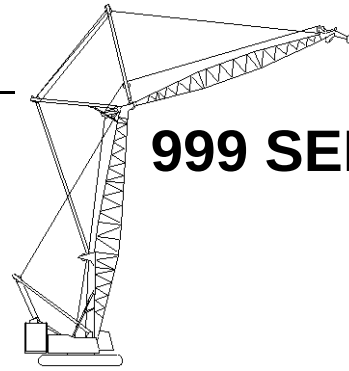
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

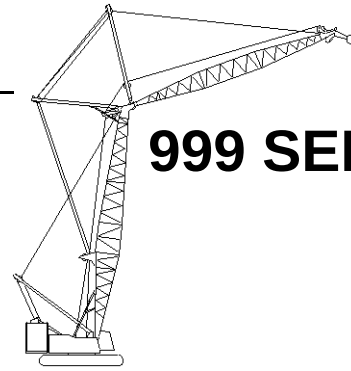
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.0	89.3	29 500*																			15.2
16.0	73.9	89.0	29 300*																			16.0
18.0	71.1	88.4	28 500*																			18.0
20.0	68.2	87.6	27 500*	70.5	88.1	34 100*																20.0
22.0	65.3	86.8	27 000*	67.6	87.4	32 800*																22.0
24.0	62.3	85.7	25 600*	64.7	86.5	30 500*	68.2	87.3	30 800													24.0
26.0	59.2	84.6	23 400*	61.7	85.4	28 200*	65.2	86.4	28 300													26.0
28.0	56.0	83.3	21 400*	58.5	84.2	25 900*	62.2	85.4	26 100	65.8	86.1	24 600										28.0
30.0	52.7	81.8	19 600*	55.3	82.9	23 800*	59.1	84.2	24 200	62.8	85.2	22 800										30.0
32.0	49.2	80.2	18 000*	52.0	81.4	21 900*	55.9	82.9	22 500	59.7	84.0	21 200										32.0
34.0	45.5	78.3	16 500*	48.4	79.7	20 000*	52.6	81.4	21 000	56.5	82.8	19 700										34.0
36.0	41.6	76.2	15 200*	44.7	77.8	18 400*	49.1	79.8	19 700	53.2	81.3	18 400	59.5	83.0	16 500							36.0
38.0	37.3	73.7	14 100*	40.7	75.6	16 900*	45.4	77.9	18 500	49.8	79.7	17 300	56.3	81.8	15 400							38.0
40.0	32.5	70.8	13 100*	36.3	73.0	15 600*	41.5	75.8	17 400	46.1	77.9	16 200	53.0	80.3	14 400							40.0
42.0	27.0	67.2	12 400*	31.5	70.0	14 500*	37.2	73.3	16 400	42.2	75.8	15 300	49.6	78.7	13 500	56.0	80.4	11 900				42.0
44.0	20.2	62.5	11 800*	25.8	66.2	13 600*	32.4	70.3	15 500	38.0	73.4	14 400	45.9	76.8	12 700	52.7	78.9	11 100				44.0
46.0				18.5	61.2	12 900*	26.9	66.8	14 600	33.4	70.5	13 600	42.0	74.7	12 000	49.2	77.2	10 500				46.0
48.0							20.0	62.0	13 700	28.0	67.1	12 800	37.8	72.3	11 300	45.5	75.4	9 800				48.0
50.0							8.9	54.0	11 900	21.4	62.6	12 000	33.1	69.4	10 600	41.6	73.2	9 200	48.6	75.4	7 900	50.0
52.0													27.7	65.9	10 000	37.3	70.7	8 600	44.8	73.4	7 400	52.0
54.0													21.0	61.4	9 300	32.5	67.8	8 100	40.9	71.2	6 900	54.0
56.0													10.9	54.1	8 800			7 600	36.5	68.7	6 400	56.0
58.0																		7 100	31.6	65.7	6 000	58.0
60.0																			26.0	62.0	5 600	60.0
62.0																			18.8	57.0	5 200	62.0
64.0																			5.2	47.1	4 900	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	76.0	92.4	27 300*																			15.2
16.0	75.0	92.2	27 100*																			16.0
18.0	72.4	91.6	26 600*																			18.0
20.0	69.7	90.9	25 900*	71.9	91.4	31 500*																20.0
22.0	67.0	90.1	25 100*	69.2	90.6	30 800*																22.0
24.0	64.3	89.2	24 200*	66.5	89.8	29 200*																24.0
26.0	61.5	88.1	22 700*	63.7	88.9	27 200*	67.0	89.7	27 900													26.0
28.0	58.5	86.9	20 900*	60.9	87.8	25 200*	64.2	88.8	25 700													28.0
30.0	55.5	85.6	19 200*	57.9	86.6	23 300*	61.4	87.7	23 800	64.7	88.6	22 500										30.0
32.0	52.4	84.1	17 600*	54.9	85.2	21 500*	58.5	86.6	22 200	61.9	87.5	20 800										32.0
34.0	49.2	82.5	16 300*	51.8	83.7	19 700*	55.5	85.2	20 700	59.0	86.4	19 400										34.0
36.0	45.7	80.6	15 000*	48.5	82.0	18 200*	52.4	83.8	19 300	56.0	85.1	18 100										36.0
38.0	42.1	78.5	13 900*	45.0	80.1	16 800*	49.1	82.1	18 100	52.9	83.6	17 000	58.9	85.4	15 100							38.0
40.0	38.2	76.1	12 900*	41.3	77.9	15 500*	45.7	80.2	17 000	49.7	82.0	16 000	55.9	84.1	14 200							40.0
42.0	33.8	73.3	12 000*	37.3	75.4	14 300*	42.0	78.1	16 000	46.3	80.2	15 000	52.8	82.6	13 300							42.0
44.0	29.0	69.9	11 300*	32.9	72.5	13 300*	38.1	75.7	15 200	42.7	78.1	14 100	49.5	81.0	12 400	55.5	82.7	10 900				44.0
46.0	23.1	65.8	10 800*	27.9	69.1	12 500*	33.8	72.9	14 400	38.8	75.8	13 400	46.1	79.1	11 700	52.4	81.2	10 200				46.0
48.0	15.3	59.9	10 400*	21.8	64.6	11 800*	28.9	69.5	13 600	34.6	73.0	12 600	42.5	77.1	11 100	49.2	79.5	9 600				48.0
50.0				13.2	58.1	11 000*	23.1	65.3	12 700	29.8	69.8	11 900	38.6	74.7	10 400	45.7	77.7	9 000				50.0
52.0							15.2	59.4	11 900	24.2	65.8	11 200	34.3	71.9	9 800	42.1	75.6	8 500	48.6	77.7	7 200	52.0
54.0										16.9	60.3	10 500	29.5	68.7	9 200	38.2	73.1	7 900	45.1	75.8	6 700	54.0
56.0													23.8	64.6	8 700	33.8	70.3	7 400	41.4	73.6	6 300	56.0
58.0													16.4	59.0	8 100	29.0	67.0	7 000	37.5	71.1	5 800	58.0
60.0																23.1	62.8	6 500	33.1	68.2	5 400	60.0
62.0																15.3	56.9	6 100	28.1	64.8	5 100	62.0
64.0																			22.0	60.4	4 700	64.0
66.0																			13.6	54.0	4 400	66.0



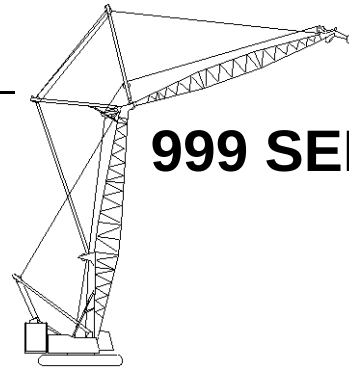
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

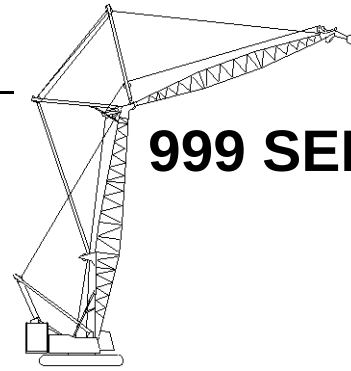
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.1	95.2	25 000*																			16.8
18.0	73.5	94.8	24 600*																			18.0
20.0	71.1	94.2	23 700*	73.0	94.6	28 900*																20.0
22.0	68.6	93.4	23 200*	70.6	93.9	28 600*																22.0
24.0	66.0	92.5	22 700*	68.0	93.1	27 700*																24.0
26.0	63.4	91.6	21 900*	65.5	92.2	26 000*	68.5	93.0	27 300													26.0
28.0	60.7	90.5	20 300*	62.9	91.3	24 300*	66.0	92.2	25 100													28.0
30.0	58.0	89.3	18 700*	60.2	90.2	22 600*	63.4	91.2	23 300	66.4	91.9	21 900										30.0
32.0	55.1	87.9	17 300*	57.4	88.9	21 000*	60.7	90.1	21 600	63.8	91.0	20 300										32.0
34.0	52.2	86.5	16 000*	54.6	87.5	19 400*	57.9	88.9	20 100	61.2	89.9	18 900										34.0
36.0	49.2	84.8	14 800*	51.6	86.0	17 900*	55.1	87.6	18 800	58.4	88.7	17 600										36.0
38.0	45.9	82.9	13 700*	48.5	84.3	16 600*	52.2	86.1	17 600	55.6	87.4	16 500	61.0	88.9	14 600							38.0
40.0	42.5	80.8	12 700*	45.3	82.4	15 300*	49.1	84.4	16 500	52.7	85.9	15 400	58.3	87.7	13 700							40.0
42.0	38.9	78.5	11 800*	41.8	80.3	14 200*	45.9	82.5	15 600	49.7	84.3	14 500	55.5	86.4	12 800							42.0
44.0	35.0	75.8	11 000*	38.1	77.9	13 200*	42.5	80.4	14 700	46.5	82.5	13 600	52.5	84.9	12 000							44.0
46.0	30.6	72.6	10 400*	34.1	75.1	12 300*	38.9	78.1	13 900	43.1	80.4	12 900	49.5	83.3	11 200	55.1	85.0	9 700				46.0
48.0	25.5	68.8	9 800*	29.6	71.8	11 600*	34.9	75.4	13 200	39.5	78.1	12 200	46.3	81.5	10 600	52.2	83.5	9 100				48.0
50.0	19.2	63.8	9 500*	24.3	67.8	10 900*	30.5	72.2	12 400	35.6	75.5	11 500	42.9	79.4	10 000	49.2	81.8	8 600				50.0
52.0				17.6	62.4	10 400*	25.4	68.3	11 700	31.3	72.4	10 900	39.3	77.1	9 400	45.9	80.0	8 000	51.7	81.7	6 700	52.0
54.0							19.1	63.3	11 000	26.4	68.7	10 200	35.4	74.4	8 900	42.5	77.9	7 500	48.6	80.0	6 200	54.0
56.0							9.0	55.1	9 500*	20.3	64.0	9 600	31.1	71.3	8 400	38.9	75.5	7 100	45.4	78.1	5 800	56.0
58.0													26.1	67.5	7 800	35.0	72.8	6 600	42.0	75.9	5 500	58.0
60.0													19.9	62.7	7 400	30.6	69.7	6 200	38.3	73.5	5 100	60.0
62.0													10.8	55.2	6 900	25.5	65.8	5 800	34.3	70.8	4 700	62.0
64.0																19.2	60.9	5 400	29.8	67.5	4 400	64.0
66.0																			24.5	63.5	4 100	66.0
68.0																			17.9	58.2	3 800	68.0
70.0																			6.1	48.4	3 500	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	76.0	98.3	23 000*																			16.8
18.0	74.5	98.0	22 700*																			18.0
20.0	72.2	97.4	22 200*																			20.0
22.0	69.9	96.7	21 600*	71.7	97.1	26 200*																22.0
24.0	67.5	95.9	20 900*	69.4	96.4	25 900*																24.0
26.0	65.1	95.0	20 700*	67.0	95.6	24 900*	69.8	96.3	25 500													26.0
28.0	62.6	94.0	19 800*	64.6	94.7	23 500*	67.5	95.5	24 800													28.0
30.0	60.1	92.9	18 400*	62.1	93.7	22 000*	65.0	94.6	22 800													30.0
32.0	57.5	91.6	17 100*	59.5	92.5	20 500*	62.6	93.6	21 100	65.5	94.4	19 800										32.0
34.0	54.8	90.3	15 800*	56.9	91.3	19 100*	60.0	92.5	19 700	63.0	93.4	18 400										34.0
36.0	52.0	88.8	14 600*	54.2	89.9	17 800*	57.4	91.2	18 400	60.5	92.3	17 200										36.0
38.0	49.1	87.1	13 600*	51.4	88.3	16 500*	54.8	89.9	17 200	57.9	91.1	16 100										38.0
40.0	46.1	85.2	12 700*	48.5	86.6	15 300*	52.0	88.4	16 100	55.2	89.7	15 000	60.3	91.3	13 300							40.0
42.0	42.9	83.2	11 800*	45.5	84.7	14 200*	49.1	86.7	15 200	52.5	88.3	14 100	57.8	90.1	12 400							42.0
44.0	39.6	80.9	11 000*	42.3	82.6	13 200*	46.1	84.8	14 300	49.6	86.6	13 200	55.1	88.7	11 600							44.0
46.0	35.9	78.2	10 200*	38.8	80.2	12 300*	42.9	82.8	13 500	46.6	84.8	12 500	52.3	87.2	10 900	57.5	88.7	9 300				46.0
48.0	31.9	75.2	9 700*	35.1	77.5	11 500*	39.5	80.4	12 700	43.5	82.8	11 800	49.5	85.6	10 200	54.8	87.3	8 700				48.0
50.0	27.4	71.6	9 200*	31.0	74.4	10 800*	35.9	77.8	12 100	40.1	80.5	11 100	46.5	83.8	9 600	52.0	85.8	8 200				50.0
52.0	22.0	67.2	8 800*	26.4	70.7	10 200*	31.8	74.8	11 400	36.5	77.9	10 500	43.3	81.7	9 000	49.1	84.1	7 700				52.0
54.0	14.8	61.0	8 400*	20.7	66.0	9 800*	27.3	71.2	10 800	32.6	75.0	9 900	39.9	79.4	8 500	46.1	82.3	7 100	51.5	84.0	5 900	54.0
56.0				12.9	59.2	8 700*	21.9	66.7	10 200	28.2	71.5	9 400	36.3	76.8	8 000	43.0	80.2	6 700	48.6	82.3	5 500	56.0
58.0							14.7	60.5	9 400*	23.0	67.2	8 800	32.4	73.9	7 600	39.6	77.9	6 300	45.6	80.4	5 100	58.0
60.0										16.2	61.5	8 300	27.9	70.4	7 100	35.9	75.3	5 900	42.4	78.3	4 700	60.0
62.0													22.6	66.0	6 700	31.9	72.3	5 500	39.0	75.9	4 400	62.0
64.0													15.7	60.1	6 300	27.4	68.7	5 200	35.3	73.2	4 100	64.0
66.0																22.0	64.2	4 800	31.2	70.1	3 800	66.0
68.0																14.8	58.1	4 500	26.5	66.4	3 500	68.0
70.0																			20.9	61.8	3 200	70.0
72.0																			13.2	55.1	3 000	72.0



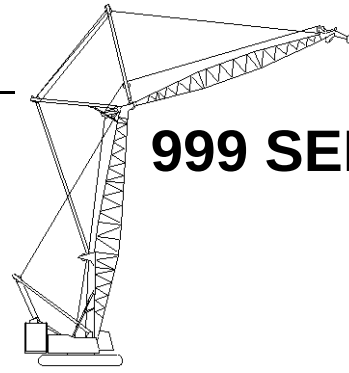
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

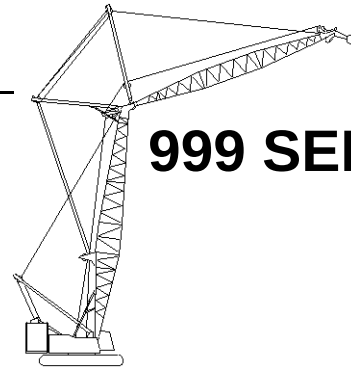
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



45.7m (150 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.1	101.1	20 900*																			18.3
20.0	73.2	100.6	20 500*																			20.0
22.0	71.0	99.9	20 000*	72.8	100.3	23 900*																22.0
24.0	68.8	99.2	19 700*	70.6	99.7	23 800*																24.0
26.0	66.5	98.3	19 300*	68.4	98.9	23 500*																26.0
28.0	64.2	97.4	18 700*	66.1	98.0	22 400*	68.8	98.8	23 100*													28.0
30.0	61.9	96.4	17 800*	63.8	97.1	21 100*	66.5	97.9	22 400													30.0
32.0	59.5	95.2	16 600*	61.4	96.0	19 900*	64.2	97.0	20 900	66.9	97.7	19 600										32.0
34.0	57.0	94.0	15 400*	59.0	94.9	18 600*	61.9	96.0	19 500	64.6	96.8	18 200										34.0
36.0	54.5	92.6	14 300*	56.5	93.6	17 400*	59.5	94.8	18 200	62.3	95.8	17 000										36.0
38.0	51.9	91.1	13 300*	54.0	92.2	16 200*	57.0	93.6	17 000	59.9	94.7	15 800										38.0
40.0	49.1	89.4	12 400*	51.3	90.6	15 100*	54.4	92.2	16 000	57.4	93.4	14 800	62.1	94.8	13 000							40.0
42.0	46.3	87.5	11 600*	48.6	88.9	14 000*	51.8	90.7	15 000	54.9	92.1	13 900	59.7	93.7	12 200							42.0
44.0	43.3	85.5	10 800*	45.7	87.0	13 100*	49.1	89.0	14 100	52.3	90.6	13 100	57.3	92.4	11 400							44.0
46.0	40.1	83.2	10 100*	42.7	84.9	12 200*	46.3	87.1	13 300	49.6	88.9	12 300	54.8	91.1	10 700							46.0
48.0	36.8	80.7	9 500*	39.5	82.6	11 400*	43.3	85.1	12 600	46.8	87.1	11 600	52.1	89.5	10 000	57.0	91.0	8 500				48.0
50.0	33.1	77.8	8 900*	36.0	80.0	10 700*	40.1	82.8	11 900	43.8	85.1	10 900	49.4	87.9	9 400	54.5	89.6	8 000				50.0
52.0	29.0	74.4	8 500*	32.3	77.0	10 100*	36.7	80.3	11 200	40.7	82.9	10 300	46.6	86.1	8 800	51.9	88.1	7 500				52.0
54.0	24.2	70.3	8 100*	28.1	73.5	9 500*	33.0	77.3	10 700	37.3	80.4	9 700	43.6	84.0	8 400	49.1	86.4	7 000				54.0
56.0	18.4	65.1	7 900*	23.1	69.2	9 100*	28.9	73.9	10 100	33.7	77.5	9 200	40.5	81.8	7 800	46.3	84.6	6 500	51.4	86.3	5 300	56.0
58.0				16.9	63.6	8 600*	24.1	69.9	9 500	29.7	74.2	8 800	37.1	79.3	7 400	43.3	82.6	6 100	48.7	84.6	4 900	58.0
60.0							18.3	64.6	8 900	25.1	70.3	8 300	33.5	76.4	7 000	40.1	80.3	5 700	45.8	82.7	4 600	60.0
62.0							9.2	56.1	7 500*	19.5	65.3	7 800	29.4	73.1	6 600	36.8	77.7	5 400	42.8	80.6	4 200	62.0
64.0										11.4	57.8	7 300	24.8	69.1	6 200	33.1	74.8	5 000	39.6	78.3	3 900	64.0
66.0													19.1	64.0	5 800	29.0	71.4	4 700	36.2	75.7	3 600	66.0
68.0													10.7	56.3	5 500	24.2	67.4	4 400	32.4	72.7	3 400	68.0
70.0																18.4	62.1	4 100	28.2	69.2	3 100	70.0
72.0																			23.3	65.0	2 900	72.0
74.0																			17.2	59.5	2 600	74.0
76.0																			6.7	49.7	2 400	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.9	104.2	19 300*																			18.3
20.0	74.2	103.8	19 000*																			20.0
22.0	72.1	103.1	18 700*																			22.0
24.0	70.0	102.4	18 300*	71.7	102.9	21 700*																24.0
26.0	67.9	101.6	17 900*	69.6	102.2	21 600*																26.0
28.0	65.7	100.8	17 400*	67.4	101.4	21 300*	70.0	102.0	21 000*													28.0
30.0	63.5	99.8	17 000*	65.3	100.5	20 200*	67.8	101.3	21 000*													30.0
32.0	61.3	98.7	16 100*	63.0	99.5	19 100*	65.7	100.4	20 600													32.0
34.0	59.0	97.6	15 000*	60.8	98.4	18 000*	63.5	99.4	19 200	66.1	100.2	17 900										34.0
36.0	56.6	96.3	14 000*	58.5	97.2	16 900*	61.2	98.4	17 900	63.9	99.2	16 700										36.0
38.0	54.2	94.9	13 100*	56.1	95.9	15 800*	58.9	97.2	16 700	61.6	98.2	15 600										38.0
40.0	51.7	93.4	12 200*	53.7	94.5	14 800*	56.6	95.9	15 700	59.4	97.0	14 600										40.0
42.0	49.1	91.7	11 400*	51.2	92.9	13 800*	54.2	94.5	14 700	57.0	95.8	13 600	61.5	97.2	11 900							42.0
44.0	46.4	89.8	10 700*	48.6	91.2	12 900*	51.7	93.0	13 800	54.6	94.4	12 800	59.2	96.0	11 100							44.0
46.0	43.6	87.8	10 000*	45.9	89.3	12 100*	49.1	91.3	13 000	52.1	92.9	12 000	56.9	94.8	10 400							46.0
48.0	40.6	85.6	9 400*	43.0	87.3	11 300*	46.4	89.4	12 300	49.6	91.2	11 300	54.5	93.4	9 800							48.0
50.0	37.5	83.1	8 800*	40.0	85.0	10 600*	43.6	87.4	11 600	46.9	89.4	10 700	52.0	91.8	9 200							50.0
52.0	34.1	80.3	8 300*	36.8	82.4	10 000*	40.6	85.2	11 000	44.1	87.4	10 100	49.4	90.2	8 600	54.2	92.0	7 300				52.0
54.0	30.3	77.0	7 900*	33.3	79.5	9 400*	37.4	82.7	10 400	41.2	85.2	9 500	46.7	88.4	8 100	51.7	90.4	6 700				54.0
56.0	26.1	73.2	7 500*	29.5	76.2	8 900*	34.0	79.9	9 900	38.0	82.8	9 000	43.9	86.4	7 600	49.1	88.7	6 300				56.0
58.0	21.0	68.6	7 300*	25.1	72.3	8 400*	30.3	76.6	9 400	34.7	80.0	8 500	41.0	84.1	7 200	46.4	86.9	5 900	51.3	88.6	4 700	58.0
60.0	14.4	62.2	6 900*	19.9	67.3	8 000*	26.0	72.8	8 900	31.0	76.8	8 100	37.8	81.7	6 700	43.6	84.9	5 500	48.7	86.9	4 300	60.0
62.0				12.6	60.3	6 900*	21.0	68.1	8 400	26.8	73.2	7 600	34.4	78.9	6 400	40.7	82.6	5 200	46.0	85.0	4 000	62.0
64.0							14.3	61.7	7 400	21.9	68.7	7 200	30.7	75.7	6 000	37.5	80.1	4 800	43.1	82.9	3 700	64.0
66.0										15.7	62.7	6 800	26.6	72.0	5 700	34.1	77.3	4 500	40.1	80.7	3 400	66.0
68.0													21.6	67.4	5 300	30.3	74.1	4 200	36.9	78.1	3 100	68.0
70.0													15.2	61.3	5 000	26.1	70.3	4 000	33.5	75.2	2 900	70.0
72.0																21.0	65.6	3 700	29.6	71.9	2 600	72.0
74.0																14.4	59.2	3 400	25.3	68.0	2 400	74.0
76.0																			20.1	63.1	2 200	76.0
78.0																			12.9	56.2	2 000	78.0



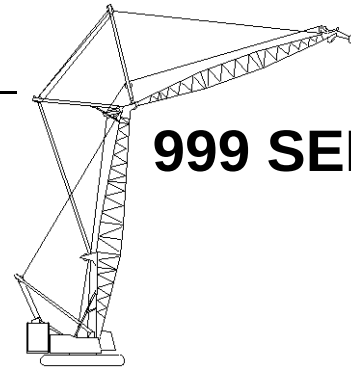
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

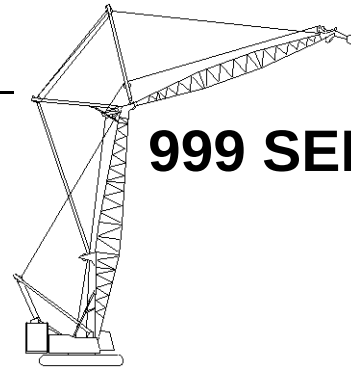
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



45.7m (150 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.1	107.0	17 500*																			19.8
20.0	75.0	106.9	17 500*																			20.0
22.0	73.0	106.3	17 300*																			22.0
24.0	71.0	105.7	16 900*	72.6	106.1	19 800*																24.0
26.0	69.0	104.9	16 600*	70.6	105.4	19 700*																26.0
28.0	67.0	104.1	16 300*	68.6	104.7	19 500*																28.0
30.0	64.9	103.2	15 900*	66.6	103.8	19 200*	69.0	104.5	19 000*													30.0
32.0	62.8	102.2	15 500*	64.5	102.9	18 300*	67.0	103.7	19 000*													32.0
34.0	60.7	101.1	14 600*	62.4	101.9	17 300*	64.9	102.8	18 700	67.3	103.5	17 400										34.0
36.0	58.5	99.9	13 600*	60.2	100.8	16 300*	62.8	101.8	17 400	65.3	102.6	16 200										36.0
38.0	56.2	98.6	12 700*	58.0	99.6	15 400*	60.6	100.7	16 200	63.2	101.6	15 100										38.0
40.0	53.9	97.2	12 000*	55.8	98.2	14 500*	58.5	99.5	15 200	61.0	100.5	14 100										40.0
42.0	51.6	95.7	11 200*	53.5	96.8	13 600*	56.2	98.2	14 300	58.9	99.4	13 200										42.0
44.0	49.1	94.0	10 500*	51.1	95.2	12 700*	53.9	96.8	13 400	56.6	98.1	12 400	60.9	99.5	10 700							44.0
46.0	46.6	92.2	9 800*	48.6	93.5	11 900*	51.5	95.3	12 600	54.3	96.7	11 600	58.7	98.4	10 000							46.0
48.0	43.9	90.1	9 200*	46.0	91.6	11 200*	49.1	93.6	11 900	52.0	95.2	10 900	56.5	97.1	9 300							48.0
50.0	41.1	87.9	8 700*	43.3	89.6	10 500*	46.5	91.8	11 200	49.5	93.5	10 300	54.2	95.7	8 700							50.0
52.0	38.1	85.5	8 200*	40.5	87.3	9 800*	43.9	89.7	10 600	47.0	91.7	9 600	51.8	94.2	8 200	56.3	95.7	6 800				52.0
54.0	34.9	82.7	7 700*	37.5	84.8	9 300*	41.1	87.5	10 000	44.4	89.7	9 100	49.4	92.5	7 700	53.9	94.3	6 300				54.0
56.0	31.5	79.6	7 300*	34.3	82.0	8 800*	38.1	85.1	9 400	41.6	87.6	8 600	46.8	90.7	7 200	51.6	92.7	5 900				56.0
58.0	27.6	76.1	7 000*	30.7	78.9	8 300*	34.9	82.3	9 000	38.6	85.1	8 100	44.2	88.7	6 700	49.1	91.0	5 500				58.0
60.0	23.2	71.8	6 700*	26.8	75.2	7 900*	31.4	79.2	8 500	35.5	82.5	7 600	41.4	86.5	6 300	46.6	89.2	5 100	51.2	90.9	3 900	60.0
62.0	17.7	66.3	6 400*	22.2	70.7	7 500*	27.6	75.6	8 000	32.1	79.4	7 200	38.5	84.1	5 900	43.9	87.2	4 700	48.7	89.2	3 600	62.0
64.0	9.5	57.8	5 300*	16.4	64.8	6 500*	23.1	71.3	7 600	28.3	75.9	6 800	35.3	81.4	5 600	41.1	85.0	4 400	46.1	87.3	3 300	64.0
66.0							17.6	65.8	7 100*	24.0	71.8	6 500	31.9	78.3	5 200	38.1	82.5	4 100	43.4	85.3	3 000	66.0
68.0							9.3	57.2	5 700*	18.7	66.6	6 100	28.1	74.8	4 900	34.9	79.8	3 800	40.6	83.0	2 700	68.0
70.0										11.3	58.9	5 700	23.7	70.6	4 600	31.5	76.7	3 500	37.6	80.5	2 500	70.0
72.0													18.4	65.3	4 400	27.6	73.1	3 300	34.4	77.7	2 200	72.0
74.0													10.7	57.4	4 100	23.2	68.8	3 000	30.9	74.6	2 000	74.0
76.0																17.7	63.4	2 800	26.9	70.9	1 800	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

45.7m (150 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.9	110.1	16 100*																			19.8
20.0	75.7	110.1	16 100*																			20.0
22.0	73.8	109.5	15 900*																			22.0
24.0	72.0	108.9	15 700*																			24.0
26.0	70.1	108.2	15 400*	71.6	108.6	18 000*																26.0
28.0	68.1	107.4	15 100*	69.7	107.9	17 800*																28.0
30.0	66.2	106.6	14 900*	67.7	107.1	17 700*	70.0	107.8	17 200*													30.0
32.0	64.2	105.6	14 600*	65.8	106.3	17 400*	68.1	107.0	17 200*													32.0
34.0	62.2	104.6	14 100*	63.8	105.3	16 600*	66.2	106.2	17 100*													34.0
36.0	60.2	103.5	13 200*	61.8	104.3	15 700*	64.2	105.2	16 900	66.5	105.9	15 800										36.0
38.0	58.1	102.3	12 400*	59.7	103.1	14 900*	62.2	104.2	15 900	64.5	105.0	14 700										38.0
40.0	55.9	100.9	11 700*	57.6	101.9	14 100*	60.1	103.1	14 800	62.5	104.0	13 700										40.0
42.0	53.7	99.5	11 000*	55.5	100.6	13 200*	58.0	101.9	13 900	60.5	102.9	12 800										42.0
44.0	51.5	98.0	10 300*	53.3	99.1	12 500*	55.9	100.6	13 000	58.4	101.7	12 000										44.0
46.0	49.1	96.3	9 700*	51.0	97.5	11 700*	53.7	99.1	12 200	56.3	100.4	11 200	60.4	101.9	9 600							46.0
48.0	46.7	94.5	9 100*	48.6	95.8	11 000*	51.4	97.6	11 500	54.1	99.0	10 500	58.3	100.7	9 000							48.0
50.0	44.2	92.5	8 600*	46.2	94.0	10 400*	49.1	95.9	10 800	51.8	97.5	9 900	56.2	99.4	8 400							50.0
52.0	41.5	90.3	8 100*	43.6	91.9	9 700*	46.7	94.1	10 200	49.5	95.8	9 300	54.0	98.0	7 800							52.0
54.0	38.7	87.9	7 600*	40.9	89.7	9 200*	44.1	92.1	9 600	47.1	94.0	8 800	51.7	96.5	7 300	55.9	98.0	6 000				54.0
56.0	35.7	85.2	7 200*	38.1	87.2	8 700*	41.5	89.9	9 100	44.6	92.0	8 200	49.4	94.8	6 800	53.7	96.6	5 500				56.0
58.0	32.5	82.2	6 800*	35.1	84.5	8 200*	38.7	87.5	8 600	42.0	89.9	7 700	47.0	93.0	6 400	51.5	95.0	5 100				58.0
60.0	29.0	78.8	6 500*	31.8	81.4	7 800*	35.7	84.8	8 100	39.2	87.5	7 300	44.4	91.0	6 000	49.1	93.3	4 700				60.0
62.0	25.0	74.8	6 300*	28.2	77.9	7 300*	32.5	81.8	7 700	36.2	84.9	6 900	41.8	88.8	5 600	46.7	91.5	4 400	51.1	93.2	3 200	62.0
64.0	20.2	69.9	6 000*	24.1	73.8	6 800*	28.9	78.4	7 300	33.1	82.0	6 500	39.0	86.5	5 300	44.2	89.5	4 100	48.7	91.5	2 900	64.0
66.0	14.0	63.3	5 100*	19.1	68.6	6 100*	24.9	74.4	6 900*	29.6	78.6	6 100	36.1	83.8	4 900	41.5	87.3	3 700	46.3	89.6	2 600	66.0
68.0				12.4	61.4	5 000*	20.2	69.5	6 400*	25.7	74.8	5 800	32.9	80.9	4 600	38.7	84.9	3 400	43.7	87.6	2 400	68.0
70.0							13.9	62.8	5 600*	21.1	70.1	5 500	29.4	77.5	4 300	35.7	82.3	3 200	41.0	85.4	2 100	70.0
72.0										15.2	63.8	5 200	25.4	73.6	4 000	32.5	79.3	2 900	38.2	82.9	1 900	72.0
74.0													20.8	68.8	3 800	29.0	75.9	2 700				74.0
76.0													14.8	62.5	3 600	25.0	71.9	2 500				76.0
78.0																20.2	67.0	2 300				78.0
80.0																14.0	60.3	2 100				80.0



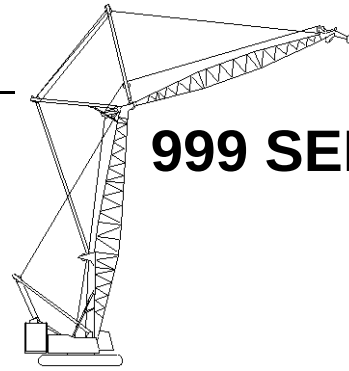
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

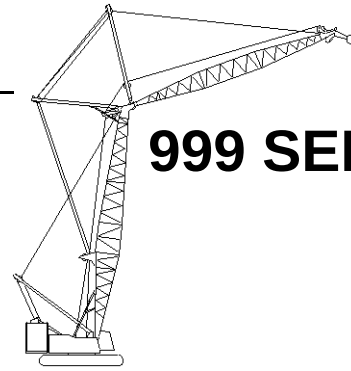
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



45.7m (150 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.2	112.9	14 600*																21.3
22.0	74.6	112.7	14 600*																22.0
24.0	72.8	112.1	14 400*																24.0
26.0	71.0	111.4	14 300*	72.4	111.9	16 400*													26.0
28.0	69.2	110.7	14 000*	70.6	111.2	16 200*													28.0
30.0	67.3	109.9	13 700*	68.8	110.4	16 100*													30.0
32.0	65.5	109.0	13 400*	67.0	109.6	16 000*	69.2	110.3	15 600*										32.0
34.0	63.6	108.0	13 200*	65.1	108.7	15 700*	67.3	109.5	15 500*										34.0
36.0	61.6	107.0	12 800*	63.2	107.7	15 100*	65.4	108.6	15 400*										36.0
38.0	59.7	105.8	12 100*	61.2	106.6	14 300*	63.5	107.6	15 300	65.8	108.4	14 200							38.0
40.0	57.7	104.6	11 300*	59.3	105.5	13 600*	61.6	106.6	14 400	63.9	107.4	13 200							40.0
42.0	55.6	103.3	10 700*	57.3	104.2	12 900*	59.6	105.4	13 400	62.0	106.4	12 400							42.0
44.0	53.5	101.8	10 100*	55.2	102.9	12 200*	57.6	104.2	12 600	60.0	105.3	11 500							44.0
46.0	51.3	100.3	9 500*	53.1	101.4	11 500*	55.6	102.9	11 800	58.0	104.1	10 800	61.9	105.4	9 200				46.0
48.0	49.1	98.6	8 900*	50.9	99.8	10 800*	53.5	101.4	11 100	56.0	102.7	10 100	59.9	104.3	8 500				48.0
50.0	46.8	96.8	8 400*	48.6	98.1	10 200*	51.3	99.9	10 400	53.9	101.3	9 500	57.9	103.1	8 000				50.0
52.0	44.4	94.8	7 900*	46.3	96.3	9 600*	49.1	98.2	9 800	51.7	99.8	8 900	55.8	101.7	7 400				52.0
54.0	41.9	92.6	7 500*	43.9	94.2	9 100*	46.8	96.4	9 200	49.5	98.1	8 300	53.7	100.3	6 900				54.0
56.0	39.2	90.3	7 100*	41.3	92.0	8 600*	44.4	94.4	8 700	47.2	96.3	7 800	51.6	98.8	6 400	55.6	100.3	5 100	56.0
58.0	36.4	87.6	6 700*	38.7	89.6	8 100*	41.8	92.2	8 200	44.8	94.4	7 300	49.4	97.1	6 000	53.5	98.9	4 700	58.0
60.0	33.4	84.7	6 400*	35.8	87.0	7 600*	39.2	89.8	7 700	42.3	92.2	6 900	47.0	95.3	5 600	51.3	97.3	4 300	60.0
62.0	30.1	81.5	6 100*	32.8	84.0	7 000*	36.4	87.2	7 300	39.7	89.9	6 500	44.7	93.3	5 200	49.1	95.6	4 000	62.0
64.0	26.5	77.7	5 700*	29.4	80.6	6 500*	33.4	84.3	6 900	36.9	87.3	6 100	42.1	91.2	4 900	46.8	93.8	3 600	64.0
66.0	22.3	73.2	5 300*	25.7	76.8	6 100*	30.1	81.0	6 500	33.9	84.5	5 700	39.5	88.8	4 500	44.4	91.8	3 300	66.0
68.0	17.1	67.5	4 800*	21.3	72.1	5 600*	26.4	77.3	6 100	30.7	81.3	5 400	36.7	86.3	4 200	41.9	89.7	3 000	68.0
70.0	9.5	58.9	3 700*	15.9	66.0	4 800*	22.2	72.8	5 700*	27.1	77.6	5 100	33.7	83.4	3 900	39.2	87.3	2 800	70.0
72.0							17.1	67.1	5 200*	23.0	73.3	4 800	30.5	80.2	3 600	36.4	84.7	2 500	72.0
74.0							9.4	58.3	4 100*	18.1	67.8	4 500	26.9	76.5	3 400	33.4	81.8	2 300	74.0
76.0										11.2	60.0	4 300	22.8	72.1	3 100	30.1	78.5	2 100	76.0
78.0													17.8	66.5	2 900				78.0
80.0													10.6	58.4	2 700				80.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

45.7m (150 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.8	116.0	13 600*																21.3
22.0	75.3	115.9	13 600*																22.0
24.0	73.6	115.3	13 400*																24.0
26.0	71.9	114.7	13 200*	73.2	115.1	15 500*													26.0
28.0	70.1	114.0	12 900*	71.5	114.4	15 300*													28.0
30.0	68.4	113.2	12 700*	69.8	113.7	15 200*													30.0
32.0	66.6	112.3	12 500*	68.0	112.9	15 100*	70.1	113.6	14 900*										32.0
34.0	64.8	111.4	12 200*	66.2	112.1	14 400*	68.4	112.8	14 900*										34.0
36.0	63.0	110.4	11 700*	64.4	111.1	13 700*	66.6	112.0	14 800*										36.0
38.0	61.1	109.4	11 100*	62.6	110.1	13 100*	64.8	111.0	14 700*										38.0
40.0	59.2	108.2	10 400*	60.7	109.0	12 400*	63.0	110.0	14 100	65.1	110.8	12 900							40.0
42.0	57.3	106.9	9 800*	58.8	107.8	11 800*	61.1	109.0	13 100	63.3	109.8	12 000							42.0
44.0	55.3	105.6	9 300*	56.9	106.6	11 200*	59.2	107.8	12 300	61.4	108.8	11 200							44.0
46.0	53.3	104.1	8 700*	54.9	105.2	10 600*	57.3	106.5	11 500	59.6	107.6	10 500							46.0
48.0	51.2	102.6	8 300*	52.9	103.7	10 000*	55.3	105.2	10 800	57.6	106.4	9 800	61.3	107.8	8 300				48.0
50.0	49.1	100.9	7 800*	50.8	102.1	9 400*	53.3	103.7	10 100	55.7	105.1	9 200	59.4	106.6	7 700				50.0
52.0	46.9	99.1	7 400*	48.7	100.4	8 900*	51.2	102.2	9 500	53.7	103.6	8 600	57.5	105.4	7 100				52.0
54.0	44.6	97.1	6 900*	46.4	98.6	8 400*	49.1	100.5	8 900	51.6	102.1	8 000	55.6	104.1	6 600				54.0
56.0	42.2	95.0	6 500*	44.1	96.6	7 900*	46.9	98.7	8 400	49.5	100.4	7 500	53.5	102.6	6 200				56.0
58.0	39.7	92.6	6 200*	41.7	94.4	7 500*	44.6	96.7	7 900	47.3	98.6	7 100	51.5	101.1	5 700	55.3	102.7	4 400	58.0
60.0	37.0	90.1	5 900*	39.2	92.0	7 100*	42.2	94.6	7 400	45.0	96.7	6 600	49.3	99.4	5 300	53.3	101.2	4 100	60.0
62.0	34.2	87.2	5 700*	36.5	89.4	6 700*	39.7	92.2	7 000	42.6	94.6	6 200	47.1	97.6	4 900	51.2	99.6	3 700	62.0
64.0	31.2	84.1	5 400*	33.6	86.5	6 300*	37.0	89.7	6 600	40.1	92.3	5 800	44.8	95.6	4 600	49.1	97.9	3 400	64.0
66.0	27.8	80.5	5 100*	30.5	83.3	5 800*	34.2	86.8	6 200	37.5	89.7	5 400	42.5	93.5	4 200	46.9	96.1	3 100	66.0
68.0	24.0	76.3	4 700*	27.1	79.6	5 400*	31.1	83.7	5 900	34.7	87.0	5 100	40.0	91.2	3 900	44.6	94.2	2 800	68.0
70.0	19.5	71.2	4 400*	23.2	75.3	5 000*	27.8	80.1	5 500	31.7	83.9	4 800	37.3	88.7	3 600	42.2	92.0	2 500	70.0
72.0	13.7	64.4	3 500*	18.5	69.9	4 400*	24.0	75.9	5 100*	28.4	80.4	4 500	34.5	85.9	3 300	39.7	89.7	2 300	72.0
74.0				12.2	62.5	3 500*	19.5	70.8	4 700*	24.7	76.3	4 200	31.5	82.8	3 100	37.0	87.1	2 000	74.0
76.0							13.6	63.9	4 000*	20.4	71.4	4 000	28.2	79.2	2 800	34.2	84.3	1 800	76.0
78.0										14.9	65.0	3 800	24.4	75.1	2 600				78.0
80.0													20.1	70.2	2 400				80.0
82.0													14.5	63.6	2 200				82.0



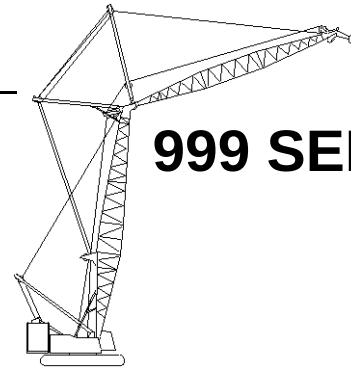
Liftcrane Luffing Jib Capacities

999 SERIES 3

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

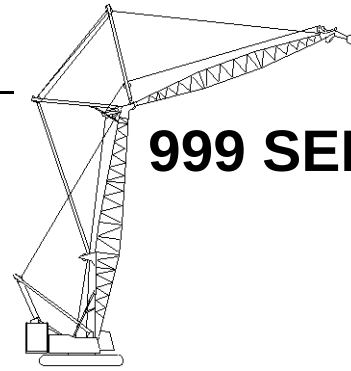
Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



45.7m (150 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.2	118.8	12 400*													22.9
24.0	74.3	118.5	12 300*													24.0
26.0	72.6	117.9	12 200*	74.0	118.2	14 100*										26.0
28.0	71.0	117.2	12 000*	72.3	117.6	14 000*										28.0
30.0	69.3	116.5	11 800*	70.7	116.9	13 900*										30.0
32.0	67.6	115.7	11 600*	69.0	116.2	13 700*	71.0	116.8	13 600*							32.0
34.0	65.9	114.8	11 400*	67.3	115.4	13 600*	69.3	116.1	13 500*							34.0
36.0	64.2	113.8	11 100*	65.6	114.5	13 100*	67.6	115.3	13 400*							36.0
38.0	62.4	112.8	10 600*	63.8	113.5	12 500*	65.9	114.4	13 300*							38.0
40.0	60.7	111.7	10 000*	62.1	112.5	11 900*	64.2	113.5	13 200	66.2	114.2	12 500				40.0
42.0	58.8	110.5	9 500*	60.3	111.4	11 300*	62.4	112.4	12 800	64.5	113.2	11 600				42.0
44.0	57.0	109.3	9 000*	58.5	110.2	10 800*	60.6	111.3	11 900	62.7	112.2	10 800				44.0
46.0	55.1	107.9	8 500*	56.6	108.9	10 200*	58.8	110.2	11 100	61.0	111.2	10 100				46.0
48.0	53.1	106.4	8 000*	54.7	107.5	9 700*	57.0	108.9	10 400	59.1	110.0	9 400				48.0
50.0	51.1	104.9	7 600*	52.7	106.0	9 200*	55.1	107.5	9 700	57.3	108.7	8 800	60.8	110.2	7 200	50.0
52.0	49.1	103.2	7 200*	50.7	104.4	8 700*	53.1	106.1	9 100	55.4	107.4	8 200	59.0	109.0	6 700	52.0
54.0	47.0	101.4	6 800*	48.7	102.7	8 200*	51.1	104.5	8 500	53.5	105.9	7 700	57.2	107.7	6 200	54.0
56.0	44.8	99.4	6 400*	46.5	100.9	7 800*	49.1	102.8	8 000	51.5	104.4	7 200	55.3	106.4	5 800	56.0
58.0	42.5	97.3	6 100*	44.3	98.9	7 400*	47.0	101.0	7 500	49.4	102.7	6 700	53.4	104.9	5 300	58.0
60.0	40.1	95.0	5 800*	42.0	96.7	7 000*	44.8	99.0	7 000	47.3	100.9	6 200	51.4	103.4	4 900	60.0
62.0	37.6	92.5	5 500*	39.6	94.4	6 500*	42.5	96.9	6 600	45.2	99.0	5 800	49.3	101.7	4 500	62.0
64.0	34.9	89.7	5 200*	37.1	91.8	6 000*	40.1	94.6	6 200	42.9	96.9	5 400	47.2	99.9	4 200	64.0
66.0	32.1	86.7	4 800*	34.4	89.0	5 600*	37.6	92.1	5 900	40.5	94.6	5 100	45.0	97.9	3 900	66.0
68.0	29.0	83.2	4 400*	31.5	85.9	5 100*	34.9	89.3	5 500	38.0	92.2	4 700	42.8	95.8	3 500	68.0
70.0	25.5	79.3	4 100*	28.3	82.4	4 700*	32.0	86.2	5 100	35.4	89.4	4 400	40.4	93.6	3 200	70.0
72.0	21.5	74.6	3 700*	24.7	78.3	4 300*	28.9	82.8	4 800*	32.6	86.4	4 100	37.9	91.1	2 900	72.0
74.0	16.7	68.7	3 200*	20.6	73.4	3 900*	25.4	78.9	4 400*	29.5	83.1	3 800	35.2	88.3	2 700	74.0
76.0	9.6	60.0	2 300*	15.5	67.2	3 200*	21.5	74.2	4 100*	26.1	79.2	3 600	32.4	85.3	2 500	76.0
78.0							16.6	68.3	3 600*	22.2	74.7	3 300	29.3	81.9	2 200	78.0
80.0							9.5	59.4	2 700*	17.6	69.1	3 100	25.9	78.1	2 000	80.0
82.0										11.1	61.1	3 000	22.0	73.5	1 800	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	63.7	70.2	48 700*b																			13.7
14.0	62.8	70.0	48 400*b																			14.0
16.0	56.6	68.8	46 300*b	61.9	69.7	50 300*b																16.0
18.0	49.7	67.2	42 700*b	55.6	68.5	46 400*b																18.0
20.0	42.1	65.2	37 800*	48.7	66.8	43 000*	57.3	68.6	41 100b	65.1	69.6	39 000b										20.0
22.0	33.1	62.5	34 200*	40.9	64.8	38 900*	50.6	67.0	37 300	59.0	68.5	35 400b										22.0
24.0	20.8	58.4	31 400*	31.5	61.9	34 900*	43.1	65.1	34 200	52.4	67.1	32 300										24.0
26.0							34.3	62.5	31 500	45.1	65.2	29 700	59.4	67.6	27 100b							26.0
28.0							22.6	58.6	29 300	36.7	62.8	27 500	52.9	66.2	24 900b							28.0
30.0										26.1	59.4	25 600	45.7	64.4	23 100							30.0
32.0										2.6	51.0	23 900	37.4	62.1	21 500	53.0	64.9	19 400				32.0
34.0													27.0	58.7	20 100	45.8	63.1	18 100				34.0
36.0																37.6	60.8	16 700				36.0
38.0																27.2	57.5	15 500	45.5	61.3	13 800	38.0
40.0																			37.1	59.0	12 800	40.0
42.0																			26.7	55.6	11 900	42.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	67.2	73.5	45 500*b																			13.7
14.0	66.5	73.4	45 100*b																			14.0
16.0	61.2	72.4	42 500*b	65.7	73.1	48 600*b																16.0
18.0	55.6	71.1	40 400*	60.4	72.1	44 900*																18.0
20.0	49.6	69.5	36 400*	54.8	70.8	41 700*	61.8	72.1	40 400b													20.0
22.0	43.0	67.6	32 500*	48.7	69.1	38 700*	56.3	70.9	36 700	63.2	72.0	34 800b										22.0
24.0	35.5	65.0	29 400*	42.0	67.1	34 900*	50.4	69.3	33 600	57.8	70.8	31 800										24.0
26.0	26.0	61.5	27 100*	34.2	64.5	31 600*	43.9	67.4	31 000	52.0	69.4	29 200										26.0
28.0				24.3	60.8	28 800*	36.4	65.0	28 700	45.6	67.5	27 000	58.2	69.9	24 500							28.0
30.0							27.3	61.6	26 700	38.5	65.3	25 100	52.4	68.5	22 700							30.0
32.0							13.0	55.9	25 100	29.9	62.2	23 400	46.1	66.7	21 100							32.0
34.0										17.8	57.5	22 000	39.0	64.5	19 700	52.5	67.2	17 600				34.0
36.0													30.6	61.5	18 400	46.2	65.4	16 500				36.0
38.0													18.9	57.0	17 100	39.2	63.2	15 300				38.0
40.0																30.8	60.2	14 300	45.9	63.6	12 600	40.0
42.0																19.2	55.7	13 300	38.8	61.4	11 700	42.0
44.0																			30.3	58.4	10 900	44.0



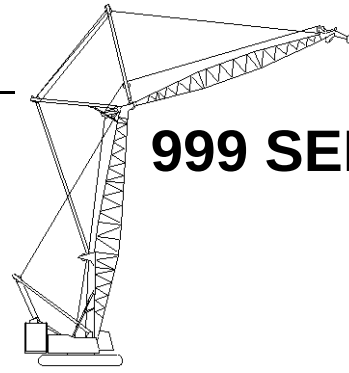
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

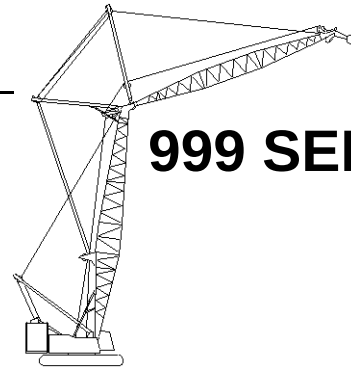
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	69.9	76.8	41 700*b																			13.7
14.0	69.2	76.7	41 500*b																			14.0
16.0	64.7	75.8	39 600*b	68.6	76.5	47 100*b																16.0
18.0	59.9	74.7	38 200*	64.0	75.6	43 700*																18.0
20.0	54.9	73.4	35 100*	59.2	74.4	40 600*	65.2	75.5	39 700b													20.0
22.0	49.6	71.8	31 600*	54.1	73.1	37 800*	60.5	74.5	36 000	66.4	75.4	34 100b										22.0
24.0	43.7	69.9	28 300*	48.7	71.4	34 300*	55.5	73.2	33 000	61.7	74.4	31 200										24.0
26.0	37.2	67.5	25 700*	42.8	69.4	30 900*	50.2	71.6	30 400	56.8	73.1	28 600										26.0
28.0	29.4	64.3	23 600*	36.1	66.9	27 900*	44.5	69.7	28 100	51.6	71.7	26 500										28.0
30.0	18.8	59.7	22 300*	28.1	63.6	25 600*	38.0	67.4	26 100	46.0	69.9	24 600	57.2	72.3	22 200							30.0
32.0				16.7	58.6	24 000*	30.4	64.4	24 400	39.8	67.6	22 900	52.0	70.8	20 600							32.0
34.0							20.4	60.0	22 900	32.6	64.8	21 400	46.4	69.0	19 200							34.0
36.0										23.4	60.9	20 100	40.2	66.8	18 000	52.1	69.5	16 000				36.0
38.0										5.8	52.8	18 800	33.1	64.1	16 900	46.5	67.7	15 000				38.0
40.0													24.2	60.3	15 700	40.4	65.5	14 000	51.9	67.7	12 400	40.0
42.0																33.3	62.8	13 000	46.3	65.9	11 500	42.0
44.0																24.4	59.0	12 100	40.1	63.8	10 700	44.0
46.0																			32.9	61.0	9 900	46.0
48.0																			23.9	57.1	9 300	48.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.0	80.1	38 700*b																			13.7
14.0	71.4	80.0	38 400*b																			14.0
16.0	67.4	79.2	36 900*b	70.8	79.7	45 300*b																16.0
18.0	63.2	78.2	35 400*	66.8	78.9	42 200*																18.0
20.0	58.9	77.1	33 800*	62.6	78.0	39 400*	67.9	78.9	38 800b													20.0
22.0	54.3	75.7	30 500*	58.2	76.8	36 700*	63.7	78.0	35 300													22.0
24.0	49.5	74.1	27 500*	53.6	75.4	33 300*	59.4	76.8	32 200	64.8	77.8	30 500										24.0
26.0	44.3	72.2	24 900*	48.8	73.7	30 100*	54.9	75.5	29 600	60.5	76.7	27 900										26.0
28.0	38.5	69.9	22 600*	43.5	71.8	27 200*	50.1	73.9	27 400	56.1	75.5	25 800										28.0
30.0	31.9	67.0	20 800*	37.6	69.4	24 700*	44.9	72.1	25 500	51.4	74.0	23 900										30.0
32.0	23.6	63.0	19 500*	30.8	66.3	22 600*	39.3	69.8	23 800	46.3	72.2	22 300	56.4	74.6	20 000							32.0
34.0				22.1	62.2	21 100*	32.7	67.0	22 200	40.8	70.0	20 800	51.7	73.1	18 600							34.0
36.0							24.7	63.2	20 900	34.5	67.3	19 500	46.7	71.3	17 400							36.0
38.0							12.4	57.0	19 600	27.0	63.9	18 400	41.2	69.2	16 300	51.8	71.8	14 400				38.0
40.0													35.0	66.6	15 300	46.8	70.0	13 500				40.0
42.0													27.6	63.2	14 400	41.3	67.9	12 700				42.0
44.0													17.5	58.2	13 400	35.1	65.3	11 800	46.6	68.3	10 300	44.0
46.0																27.8	61.9	11 000	41.1	66.1	9 600	46.0
48.0																17.7	57.0	10 300	34.8	63.5	8 900	48.0
50.0																			27.4	60.1	8 300	50.0



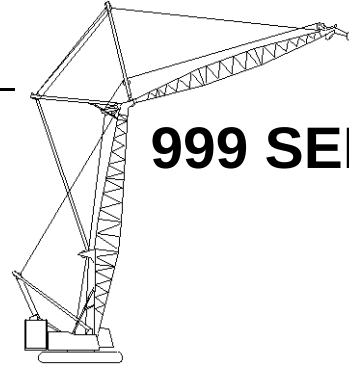
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

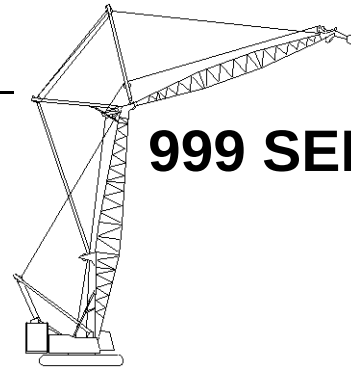
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.7	83.3	35 900*																			13.7
14.0	73.2	83.2	35 800*																			14.0
16.0	69.5	82.5	34 800*	72.6	83.0	42 500*																16.0
18.0	65.8	81.6	33 000*	69.0	82.2	40 800*																18.0
20.0	62.0	80.6	31 600*	65.3	81.4	38 300*	70.0	82.2	38 200													20.0
22.0	58.0	79.4	29 700*	61.4	80.3	35 600*	66.3	81.3	34 700													22.0
24.0	53.9	78.0	26 700*	57.4	79.1	32 400*	62.5	80.4	31 800													24.0
26.0	49.5	76.4	24 300*	53.2	77.7	29 400*	58.5	79.2	29 200	63.5	80.2	27 500										26.0
28.0	44.7	74.5	22 100*	48.8	76.0	26 700*	54.4	77.8	27 000	59.5	79.1	25 400										28.0
30.0	39.6	72.3	20 100*	44.0	74.1	24 300*	50.0	76.2	25 100	55.5	77.8	23 500										30.0
32.0	33.8	69.5	18 500*	38.8	71.8	22 100*	45.3	74.4	23 400	51.2	76.3	21 900	59.8	78.2	19 600							32.0
34.0	26.9	66.0	17 300*	32.8	68.9	20 300*	40.2	72.2	21 800	46.6	74.5	20 400	55.8	76.9	18 300							34.0
36.0	17.5	60.9	16 500*	25.7	65.3	18 800*	34.5	69.5	20 500	41.6	72.4	19 200	51.5	75.4	17 100							36.0
38.0				15.7	59.8	17 900*	27.8	66.1	19 300	36.1	69.8	18 000	46.9	73.6	16 000							38.0
40.0							18.9	61.3	18 200	29.7	66.6	17 000	42.0	71.5	15 000	51.6	74.1	13 200				40.0
42.0										21.5	62.3	16 000	36.5	69.0	14 100	47.0	72.3	12 400				42.0
44.0													30.1	65.9	13 300	42.1	70.3	11 600				44.0
46.0													22.2	61.7	12 400	36.6	67.8	10 900	46.8	70.6	9 400	46.0
48.0																30.3	64.6	10 200	41.8	68.5	8 700	48.0
50.0																22.4	60.5	9 500	36.3	65.9	8 200	50.0
52.0																			30.0	62.8	7 600	52.0
54.0																			22.0	58.6	7 100	54.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.1	86.4	33 200*																			13.7
14.0	74.6	86.4	33 000*																			14.0
16.0	71.3	85.7	31 800*																			16.0
18.0	68.0	85.0	30 900*	70.8	85.5	38 200*																18.0
20.0	64.5	84.0	29 500*	67.5	84.7	37 000*																20.0
22.0	61.0	83.0	28 400*	64.0	83.8	34 200*	68.4	84.7	34 000													22.0
24.0	57.3	81.8	26 200*	60.4	82.7	31 500*	64.9	83.8	31 000													24.0
26.0	53.5	80.4	23 800*	56.7	81.5	28 800*	61.4	82.7	28 500	65.8	83.6	26 800										26.0
28.0	49.4	78.7	21 600*	52.9	80.0	26 200*	57.7	81.5	26 300	62.3	82.6	24 700										28.0
30.0	45.1	76.8	19 800*	48.8	78.3	23 900*	53.9	80.1	24 400	58.7	81.4	22 900										30.0
32.0	40.5	74.6	18 100*	44.4	76.4	21 800*	49.9	78.5	22 800	54.9	80.1	21 300	62.6	81.7	19 000							32.0
34.0	35.3	72.0	16 700*	39.7	74.2	20 000*	45.6	76.7	21 200	51.0	78.6	19 900	59.0	80.6	17 700							34.0
36.0	29.3	68.8	15 600*	34.4	71.4	18 400*	41.0	74.5	19 900	46.8	76.8	18 600	55.2	79.2	16 500							36.0
38.0	21.9	64.5	14 700*	28.3	68.1	17 100*	35.9	71.9	18 700	42.3	74.7	17 500	51.3	77.7	15 400							38.0
40.0				20.5	63.5	16 100*	30.1	68.8	17 700	37.3	72.2	16 400	47.1	75.9	14 500	55.3	77.9	12 700				40.0
42.0							22.9	64.7	16 700	31.7	69.3	15 500	42.6	73.9	13 600	51.3	76.4	11 900				42.0
44.0							12.1	58.1	15 600	24.9	65.5	14 600	37.7	71.5	12 800	47.2	74.6	11 100				44.0
46.0													32.1	68.5	12 100	42.7	72.6	10 400	51.2	74.6	8 900	46.0
48.0													25.5	64.8	11 300	37.8	70.2	9 800	47.0	72.9	8 300	48.0
50.0													16.4	59.4	10 600	32.2	67.2	9 200	42.5	70.8	7 800	50.0
52.0																25.6	63.5	8 600	37.5	68.4	7 300	52.0
54.0																16.7	58.2	8 000	31.9	65.4	6 800	54.0
56.0																			25.3	61.7	6 300	56.0



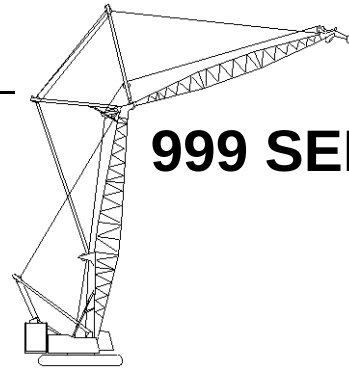
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

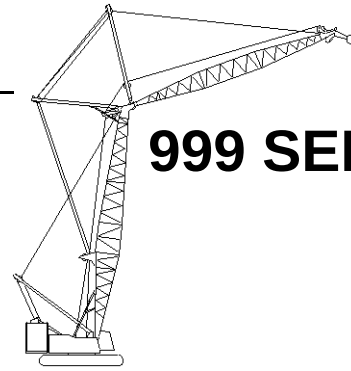
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.0	89.2	30 000*																			15.2
16.0	72.8	88.9	29 800*																			16.0
18.0	69.7	88.2	28 800*																			18.0
20.0	66.6	87.4	27 700*	69.3	88.0	34 500*																20.0
22.0	63.4	86.5	26 700*	66.1	87.2	32 900*																22.0
24.0	60.1	85.4	25 400*	62.9	86.2	30 400*	67.0	87.1	30 700													24.0
26.0	56.7	84.1	23 200*	59.6	85.1	28 000*	63.8	86.2	28 200	67.8	86.9	26 600										26.0
28.0	53.1	82.7	21 100*	56.2	83.8	25 600*	60.5	85.1	26 100	64.6	86.0	24 500										28.0
30.0	49.4	81.0	19 400*	52.6	82.3	23 500*	57.1	83.9	24 200	61.4	85.0	22 700										30.0
32.0	45.4	79.1	17 800*	48.8	80.6	21 500*	53.6	82.4	22 500	58.0	83.8	21 100										32.0
34.0	41.2	77.0	16 300*	44.8	78.7	19 700*	49.8	80.8	21 000	54.5	82.4	19 700	61.6	84.1	17 500							34.0
36.0	36.5	74.4	15 100*	40.5	76.5	18 200*	45.9	79.0	19 700	50.8	80.9	18 400	58.2	82.9	16 300							36.0
38.0	31.2	71.4	14 100*	35.7	73.9	16 700*	41.7	76.9	18 500	47.0	79.1	17 200	54.7	81.5	15 300							38.0
40.0	25.0	67.6	13 300*	30.4	70.8	15 500*	37.1	74.4	17 400	42.8	77.0	16 200	51.1	80.0	14 300							40.0
42.0	16.6	62.1	12 800*	23.9	66.8	14 600*	31.9	71.4	16 500	38.3	74.7	15 300	47.2	78.2	13 400	54.8	80.2	11 700				42.0
44.0				14.9	60.9	14 000*	25.8	67.7	15 600	33.3	71.8	14 500	43.1	76.2	12 600	51.2	78.7	10 900				44.0
46.0							17.8	62.5	14 600	27.5	68.3	13 700	38.6	73.9	11 900	47.3	76.9	10 300				46.0
48.0										20.2	63.7	12 800	33.7	71.1	11 300	43.2	74.9	9 700	51.0	76.9	8 200	48.0
50.0													27.9	67.6	10 600	38.7	72.6	9 100	47.1	75.2	7 700	50.0
52.0													20.8	63.1	9 900	33.8	69.8	8 600	43.0	73.1	7 200	52.0
54.0																28.1	66.4	8 000	38.5	70.8	6 700	54.0
56.0																20.9	61.9	7 500	33.5	68.0	6 300	56.0
58.0																			27.8	64.5	5 900	58.0
60.0																			20.5	59.9	5 500	60.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.1	92.3	27 800*																			15.2
16.0	74.1	92.1	27 600*																			16.0
18.0	71.3	91.5	27 000*																			18.0
20.0	68.4	90.7	26 100*	70.8	91.3	32 000*																20.0
22.0	65.4	89.8	25 200*	67.9	90.5	31 100*																22.0
24.0	62.4	88.8	24 200*	65.0	89.6	29 100*	68.7	90.4	30 000													24.0
26.0	59.4	87.7	22 500*	62.0	88.6	27 000*	65.8	89.6	27 600													26.0
28.0	56.2	86.4	20 600*	58.9	87.4	25 000*	62.8	88.6	25 500	66.6	89.4	23 900										28.0
30.0	52.8	85.0	18 900*	55.7	86.1	23 000*	59.7	87.5	23 600	63.6	88.4	22 100										30.0
32.0	49.4	83.3	17 400*	52.3	84.6	21 100*	56.5	86.2	22 000	60.5	87.4	20 500										32.0
34.0	45.7	81.5	16 100*	48.8	82.9	19 400*	53.2	84.8	20 500	57.4	86.1	19 100										34.0
36.0	41.8	79.3	14 800*	45.1	81.0	17 800*	49.8	83.1	19 200	54.1	84.7	17 900	60.8	86.5	15 800							36.0
38.0	37.5	76.9	13 700*	41.2	78.9	16 500*	46.1	81.3	18 000	50.7	83.2	16 700	57.6	85.2	14 700							38.0
40.0	32.8	74.0	12 800*	36.8	76.4	15 300*	42.2	79.2	16 900	47.1	81.4	15 700	54.3	83.9	13 800							40.0
42.0	27.3	70.4	12 000*	32.0	73.4	14 200*	38.0	76.8	16 000	43.3	79.4	14 800	50.9	82.3	12 900							42.0
44.0	20.6	65.8	11 500*	26.4	69.7	13 300*	33.4	74.0	15 100	39.2	77.0	13 900	47.4	80.5	12 100	54.4	82.6	10 500				44.0
46.0				19.4	64.9	12 700*	28.0	70.5	14 300	34.6	74.3	13 200	43.6	78.5	11 400	51.0	81.0	9 800				46.0
48.0							21.5	66.1	13 500	29.5	71.1	12 500	39.5	76.2	10 800	47.4	79.2	9 200				48.0
50.0							11.8	59.1	12 400	23.4	66.9	11 800	35.0	73.6	10 200	43.6	77.2	8 600	50.9	79.2	7 200	50.0
52.0													29.9	70.3	9 600	39.6	74.9	8 100	47.3	77.5	6 700	52.0
54.0													23.8	66.3	9 000	35.1	72.3	7 600	43.5	75.5	6 300	54.0
56.0													15.7	60.6	8 500	30.0	69.1	7 200	39.4	73.1	5 900	56.0
58.0																24.0	65.1	6 700	34.8	70.5	5 500	58.0
60.0																15.9	59.4	6 300	29.7	67.2	5 100	60.0
62.0																			23.7	63.2	4 800	62.0
64.0																			15.4	57.3	4 400	64.0



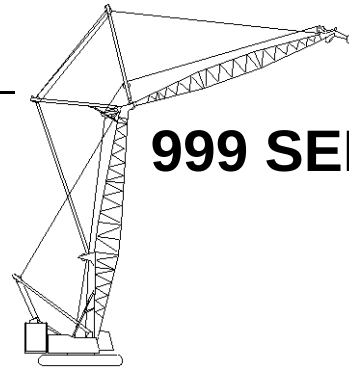
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

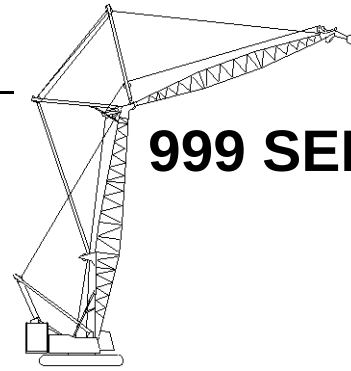
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.2	95.1	25 500*																			16.8
18.0	72.5	94.7	25 100*																			18.0
20.0	69.9	94.0	24 400*	72.1	94.5	29 700*																20.0
22.0	67.2	93.2	23 500*	69.5	93.8	29 100*																22.0
24.0	64.4	92.3	22 900*	66.8	92.9	27 900*																24.0
26.0	61.6	91.2	21 800*	64.0	92.0	26 000*	67.5	92.9	27 200													26.0
28.0	58.7	90.1	20 100*	61.2	91.0	24 200*	64.8	92.0	25 100													28.0
30.0	55.7	88.7	18 500*	58.3	89.8	22 400*	61.9	91.0	23 200	65.5	91.8	21 800										30.0
32.0	52.6	87.3	17 100*	55.2	88.4	20 700*	59.0	89.8	21 600	62.7	90.8	20 200										32.0
34.0	49.3	85.6	15 700*	52.1	86.9	19 100*	56.1	88.5	20 200	59.8	89.7	18 800										34.0
36.0	45.9	83.8	14 600*	48.8	85.2	17 600*	53.0	87.1	18 900	56.8	88.5	17 600										36.0
38.0	42.3	81.7	13 500*	45.4	83.4	16 300*	49.7	85.4	17 700	53.8	87.0	16 400	60.0	88.8	14 500							38.0
40.0	38.4	79.3	12 500*	41.7	81.2	15 100*	46.3	83.6	16 600	50.6	85.5	15 400	57.1	87.6	13 500							40.0
42.0	34.1	76.5	11 700*	37.8	78.8	14 000*	42.7	81.5	15 600	47.2	83.7	14 500	54.0	86.2	12 700							42.0
44.0	29.2	73.2	11 000*	33.4	75.9	13 000*	38.9	79.2	14 800	43.7	81.7	13 600	50.8	84.6	11 900							44.0
46.0	23.5	69.1	10 500*	28.4	72.5	12 200*	34.6	76.5	14 000	39.9	79.4	12 900	47.5	82.8	11 100	54.1	84.9	9 600				46.0
48.0	15.9	63.3	10 200*	22.5	68.2	11 600*	29.8	73.2	13 300	35.8	76.8	12 200	43.9	80.9	10 500	50.9	83.3	8 900				48.0
50.0				14.4	62.0	11 100*	24.2	69.2	12 600	31.1	73.7	11 600	40.2	78.6	9 900	47.5	81.5	8 400				50.0
52.0							16.9	63.7	11 800	25.8	69.9	11 000	36.1	76.0	9 400	44.0	79.6	7 900	50.7	81.5	6 500	52.0
54.0										19.1	65.0	10 300	31.5	73.0	8 900	40.2	77.3	7 400	47.4	79.8	6 100	54.0
56.0													26.2	69.3	8 400	36.1	74.7	7 000	43.8	77.8	5 700	56.0
58.0													19.6	64.4	7 900	31.6	71.7	6 600	40.1	75.5	5 300	58.0
60.0																26.3	68.0	6 100	35.9	72.9	4 900	60.0
62.0																19.8	63.2	5 700	31.4	69.9	4 600	62.0
64.0																9.5	55.3	5 400	26.1	66.1	4 300	64.0
66.0																			19.4	61.2	4 000	66.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.2	98.2	23 700*																			16.8
18.0	73.7	97.9	23 100*																			18.0
20.0	71.2	97.2	22 700*	73.3	97.7	27 300*																20.0
22.0	68.7	96.5	21 900*	70.8	97.0	27 100*																22.0
24.0	66.1	95.6	21 500*	68.3	96.3	26 400*																24.0
26.0	63.5	94.7	20 700*	65.7	95.4	24 900*	69.0	96.2	26 400													26.0
28.0	60.9	93.6	19 500*	63.1	94.4	23 300*	66.4	95.4	24 500													28.0
30.0	58.1	92.4	18 000*	60.5	93.3	21 700*	63.8	94.4	22 700													30.0
32.0	55.3	91.1	16 600*	57.7	92.1	20 200*	61.2	93.3	21 000	64.5	94.2	19 600										32.0
34.0	52.4	89.6	15 400*	54.9	90.7	18 700*	58.5	92.2	19 600	61.9	93.2	18 300										34.0
36.0	49.3	87.9	14 300*	51.9	89.2	17 300*	55.6	90.8	18 300	59.2	92.1	17 000										36.0
38.0	46.1	86.1	13 200*	48.8	87.5	16 000*	52.7	89.4	17 200	56.4	90.8	15 900										38.0
40.0	42.7	84.0	12 300*	45.6	85.7	14 800*	49.7	87.7	16 100	53.5	89.4	14 900	59.4	91.2	13 000							40.0
42.0	39.1	81.7	11 500*	42.2	83.6	13 800*	46.5	85.9	15 200	50.5	87.8	14 000	56.6	89.9	12 200							42.0
44.0	35.2	79.0	10 700*	38.5	81.2	12 900*	43.1	83.9	14 300	47.3	86.0	13 200	53.7	88.5	11 400							44.0
46.0	30.8	75.8	10 100*	34.6	78.4	12 000*	39.6	81.6	13 500	44.0	84.0	12 400	50.7	86.9	10 700	56.6	88.6	9 100				46.0
48.0	25.8	72.0	9 600*	30.1	75.2	11 300*	35.7	78.9	12 800	40.5	81.8	11 700	47.6	85.1	10 000	53.8	87.2	8 400				48.0
50.0	19.5	67.1	9 300*	24.9	71.3	10 600*	31.4	75.8	12 100	36.7	79.2	11 100	44.3	83.2	9 400	50.8	85.6	7 900				50.0
52.0				18.4	66.1	10 200*	26.4	72.1	11 500	32.5	76.3	10 500	40.8	81.0	8 900	47.6	83.8	7 400				52.0
54.0							20.4	67.4	10 800*	27.8	72.8	9 900	37.0	78.4	8 400	44.3	81.9	6 900	50.6	83.8	5 600	54.0
56.0							11.6	60.2	9 800*	22.1	68.4	9 400	32.8	75.5	7 900	40.8	79.7	6 500	47.5	82.1	5 200	56.0
58.0													28.1	72.1	7 500	37.1	77.2	6 100	44.2	80.1	4 800	58.0
60.0													22.5	67.7	7 100	32.9	74.2	5 700	40.7	77.9	4 500	60.0
62.0													15.1	61.7	6 600	28.2	70.8	5 400	36.9	75.3	4 100	62.0
64.0																22.7	66.5	5 100	32.7	72.4	3 900	64.0
66.0																15.3	60.5	4 700	28.0	68.9	3 600	66.0
68.0																			22.4	64.6	3 400	68.0
70.0																			14.8	58.5	3 100	70.0



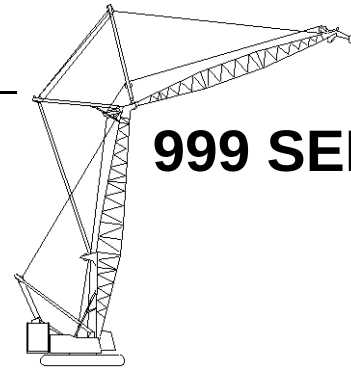
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

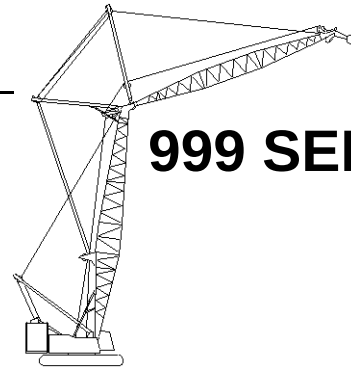
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.3	101.0	21 500*																			18.3
20.0	72.3	100.5	21 100*																			20.0
22.0	70.0	99.8	20 300*	72.0	100.2	24 800*																22.0
24.0	67.6	99.0	20 000*	69.6	99.5	24 600*																24.0
26.0	65.2	98.1	19 500*	67.3	98.7	23 800*	70.3	99.5	24 200*													26.0
28.0	62.7	97.1	18 900*	64.8	97.8	22 500*	67.9	98.7	23 800													28.0
30.0	60.2	96.0	17 700*	62.4	96.8	21 100*	65.5	97.8	22 200													30.0
32.0	57.6	94.7	16 400*	59.8	95.7	19 700*	63.0	96.8	20 600	66.1	97.6	19 200										32.0
34.0	54.9	93.4	15 200*	57.2	94.4	18 400*	60.5	95.7	19 200	63.7	96.7	17 800										34.0
36.0	52.2	91.9	14 100*	54.5	93.1	17 100*	57.9	94.5	17 900	61.2	95.6	16 600										36.0
38.0	49.3	90.2	13 100*	51.7	91.5	15 900*	55.3	93.2	16 700	58.6	94.4	15 500										38.0
40.0	46.3	88.4	12 200*	48.9	89.8	14 800*	52.5	91.7	15 700	56.0	93.1	14 500	61.3	94.7	12 600							40.0
42.0	43.1	86.3	11 400*	45.8	88.0	13 800*	49.6	90.0	14 800	53.2	91.7	13 600	58.8	93.5	11 800							42.0
44.0	39.8	84.0	10 700*	42.6	85.9	12 800*	46.7	88.2	13 900	50.4	90.1	12 800	56.1	92.2	11 000							44.0
46.0	36.1	81.4	10 000*	39.2	83.5	12 000*	43.5	86.2	13 100	47.4	88.3	12 000	53.4	90.8	10 300							46.0
48.0	32.1	78.4	9 400*	35.5	80.9	11 200*	40.2	83.9	12 400	44.3	86.3	11 300	50.6	89.2	9 700	56.2	90.9	8 100				48.0
50.0	27.6	74.9	8 900*	31.5	77.8	10 500*	36.6	81.4	11 700	41.1	84.1	10 700	47.7	87.4	9 100	53.5	89.5	7 500				50.0
52.0	22.3	70.5	8 600*	26.9	74.2	10 000*	32.6	78.4	11 100	37.5	81.6	10 100	44.6	85.5	8 500	50.7	87.9	7 000				52.0
54.0	15.3	64.5	8 300*	21.4	69.6	9 500*	28.2	74.9	10 500	33.7	78.8	9 600	41.3	83.3	8 000	47.7	86.1	6 600				54.0
56.0				13.9	63.2	8 800*	23.0	70.7	9 900*	29.4	75.5	9 100	37.8	80.9	7 600	44.6	84.2	6 200	50.5	86.1	4 800	56.0
58.0							16.3	64.9	9 300*	24.5	71.5	8 600	34.0	78.0	7 100	41.4	82.0	5 700	47.6	84.4	4 500	58.0
60.0										18.3	66.2	8 100	29.7	74.8	6 700	37.9	79.6	5 400	44.5	82.4	4 100	60.0
62.0													24.8	70.8	6 400	34.1	76.8	5 000	41.2	80.2	3 800	62.0
64.0													18.8	65.7	6 000	29.8	73.5	4 700	37.7	77.8	3 500	64.0
66.0																24.9	69.6	4 400	33.9	74.9	3 200	66.0
68.0																18.9	64.5	4 200	29.6	71.7	3 000	68.0
70.0																9.6	56.4	3 900	24.7	67.7	2 800	70.0
72.0																			18.6	62.5	2 600	72.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

48.8m (160 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.2	104.1	19 900*																			18.3
20.0	73.4	103.7	19 600*																			20.0
22.0	71.2	103.0	19 100*	73.0	103.4	22 700*																22.0
24.0	68.9	102.3	18 700*	70.8	102.8	22 600*																24.0
26.0	66.7	101.4	18 300*	68.6	102.0	22 300*																26.0
28.0	64.4	100.5	17 800*	66.3	101.2	21 400*	69.2	102.0	22 000*													28.0
30.0	62.0	99.5	17 100*	64.0	100.2	20 200*	66.9	101.1	21 700													30.0
32.0	59.6	98.3	15 900*	61.7	99.2	19 000*	64.6	100.2	20 400	67.5	100.9	19 000										32.0
34.0	57.2	97.1	14 800*	59.2	98.0	17 900*	62.3	99.2	19 000	65.2	100.0	17 600										34.0
36.0	54.6	95.7	13 800*	56.8	96.8	16 700*	59.9	98.1	17 700	62.9	99.1	16 400										36.0
38.0	52.0	94.2	12 800*	54.2	95.4	15 600*	57.4	96.8	16 600	60.5	98.0	15 300										38.0
40.0	49.3	92.5	12 000*	51.6	93.8	14 500*	54.9	95.5	15 500	58.1	96.8	14 300										40.0
42.0	46.4	90.7	11 200*	48.9	92.1	13 600*	52.3	94.0	14 600	55.6	95.4	13 400	60.7	97.1	11 600							42.0
44.0	43.5	88.7	10 500*	46.0	90.3	12 600*	49.6	92.3	13 700	53.0	94.0	12 600	58.3	95.9	10 800							44.0
46.0	40.3	86.4	9 800*	43.0	88.2	11 800*	46.8	90.5	13 000	50.3	92.4	11 900	55.8	94.6	10 200							46.0
48.0	36.9	83.9	9 200*	39.8	85.9	11 100*	43.8	88.5	12 200	47.5	90.6	11 200	53.2	93.1	9 500							48.0
50.0	33.3	81.0	8 700*	36.4	83.3	10 400*	40.7	86.3	11 500	44.6	88.6	10 500	50.5	91.5	8 900	55.8	93.2	7 400				50.0
52.0	29.2	77.6	8 300*	32.7	80.4	9 800*	37.4	83.8	10 900	41.5	86.5	9 900	47.7	89.7	8 400	53.2	91.8	6 900				52.0
54.0	24.5	73.6	7 900*	28.5	76.9	9 300*	33.7	80.9	10 300	38.2	84.0	9 400	44.8	87.8	7 900	50.6	90.2	6 400				54.0
56.0	18.7	68.4	7 700*	23.7	72.8	8 800*	29.7	77.6	9 800	34.7	81.3	8 900	41.8	85.7	7 400	47.8	88.4	6 000				56.0
58.0				17.7	67.4	8 500*	25.1	73.7	9 300*	30.8	78.1	8 400	38.5	83.2	7 000	44.9	86.5	5 600	50.4	88.4	4 300	58.0
60.0							19.5	68.7	8 700*	26.4	74.4	8 000	35.0	80.5	6 500	41.8	84.4	5 200	47.7	86.7	3 900	60.0
62.0							11.4	61.3	7 900*	21.1	69.8	7 600	31.1	77.4	6 200	38.6	82.0	4 800	44.7	84.7	3 700	62.0
64.0										14.0	63.3	7 200	26.7	73.7	5 800	35.0	79.2	4 500	41.7	82.6	3 400	64.0
66.0													21.5	69.2	5 500	31.2	76.1	4 200	38.4	80.2	3 100	66.0
68.0													14.6	62.9	5 200	26.8	72.5	4 000	34.9	77.4	2 800	68.0
70.0																21.6	67.9	3 700	31.0	74.3	2 500	70.0
72.0																14.8	61.7	3 500	26.6	70.6	2 300	72.0
74.0																			21.3	66.0	2 100	74.0
76.0																			14.4	59.6	2 000	76.0



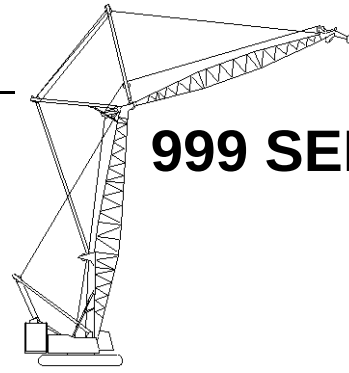
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

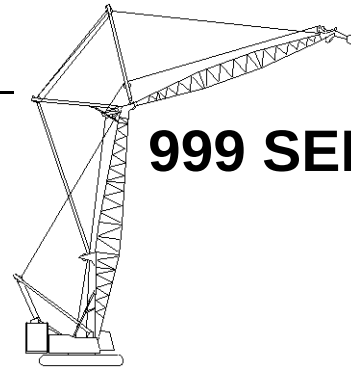
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



48.8m (160 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	76.0	107.3	18 400*																			18.3
20.0	74.3	106.8	18 200*																			20.0
22.0	72.2	106.2	17 800*																			22.0
24.0	70.1	105.5	17 400*	71.9	106.0	20 700*																24.0
26.0	68.0	104.7	17 000*	69.8	105.3	20 600*																26.0
28.0	65.8	103.9	16 600*	67.6	104.5	20 300*	70.3	105.2	20 000*													28.0
30.0	63.6	102.9	16 100*	65.5	103.6	19 400*	68.2	104.4	20 000*													30.0
32.0	61.4	101.8	15 400*	63.3	102.6	18 300*	66.1	103.6	20 000*													32.0
34.0	59.1	100.7	14 400*	61.0	101.6	17 300*	63.9	102.6	18 600	66.6	103.4	17 300										34.0
36.0	56.7	99.4	13 500*	58.7	100.4	16 300*	61.6	101.6	17 400	64.5	102.5	16 100										36.0
38.0	54.3	98.0	12 600*	56.4	99.1	15 200*	59.4	100.4	16 300	62.2	101.5	15 000										38.0
40.0	51.8	96.5	11 800*	54.0	97.7	14 300*	57.0	99.2	15 200	60.0	100.3	14 100										40.0
42.0	49.3	94.8	11 000*	51.5	96.1	13 400*	54.6	97.8	14 300	57.6	99.1	13 200										42.0
44.0	46.6	93.0	10 300*	48.9	94.4	12 500*	52.1	96.3	13 500	55.3	97.8	12 400	60.1	99.4	10 600							44.0
46.0	43.8	91.0	9 700*	46.2	92.6	11 700*	49.6	94.6	12 700	52.8	96.3	11 600	57.8	98.2	9 900							46.0
48.0	40.8	88.8	9 100*	43.3	90.5	10 900*	46.9	92.8	11 900	50.3	94.7	10 900	55.4	96.9	9 200							48.0
50.0	37.7	86.3	8 600*	40.3	88.3	10 300*	44.1	90.8	11 300	47.6	92.9	10 300	53.0	95.4	8 700							50.0
52.0	34.3	83.5	8 100*	37.2	85.8	9 700*	41.2	88.6	10 600	44.9	91.0	9 700	50.4	93.8	8 100	55.5	95.6	6 700				52.0
54.0	30.5	80.3	7 700*	33.7	82.9	9 200*	38.0	86.2	10 100	42.0	88.8	9 100	47.8	92.1	7 600	53.0	94.1	6 200				54.0
56.0	26.3	76.5	7 300*	29.9	79.6	8 600*	34.7	83.4	9 500	38.9	86.4	8 600	45.1	90.1	7 200	50.5	92.5	5 700				56.0
58.0	21.3	71.9	7 100*	25.6	75.8	8 200*	31.0	80.3	9 000	35.6	83.8	8 100	42.2	88.0	6 700	47.9	90.8	5 400	52.9	92.3	4 100	58.0
60.0	14.8	65.6	6 800*	20.5	71.0	7 900*	26.8	76.6	8 600	32.0	80.7	7 700	39.1	85.6	6 300	45.1	88.8	5 000	50.4	90.7	3 800	60.0
62.0				13.6	64.3	7 100*	22.0	72.1	8 100*	28.0	77.2	7 300	35.8	83.0	5 900	42.2	86.7	4 600	47.7	89.0	3 400	62.0
64.0							15.7	66.1	7 600*	23.3	73.0	6 900	32.2	80.0	5 600	39.2	84.3	4 300	45.0	87.0	3 100	64.0
66.0										17.6	67.5	6 600	28.3	76.5	5 300	35.9	81.7	4 000	42.1	84.9	2 800	66.0
68.0													23.7	72.3	5 000	32.3	78.7	3 700	39.0	82.5	2 600	68.0
70.0													18.0	67.0	4 700	28.4	75.2	3 500	35.7	79.9	2 400	70.0
72.0																23.8	71.1	3 200	32.1	76.9	2 100	72.0
74.0																18.2	65.7	3 000	28.2	73.4	1 900	74.0
76.0																9.7	57.4	2 800				76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.3	110.1	16 700*																			19.8
20.0	75.1	110.0	16 700*																			20.0
22.0	73.1	109.4	16 500*																			22.0
24.0	71.1	108.8	16 200*	72.8	109.2	19 000*																24.0
26.0	69.1	108.0	15 800*	70.8	108.5	18 900*																26.0
28.0	67.1	107.2	15 500*	68.8	107.8	18 700*																28.0
30.0	65.0	106.3	15 200*	66.8	107.0	18 400*	69.4	107.7	18 200*													30.0
32.0	62.9	105.3	14 900*	64.7	106.0	17 500*	67.3	106.9	18 200*													32.0
34.0	60.8	104.2	13 900*	62.6	105.0	16 600*	65.3	106.0	18 000													34.0
36.0	58.6	103.0	13 100*	60.5	103.9	15 700*	63.2	105.0	17 000	65.8	105.8	15 600										36.0
38.0	56.4	101.7	12 200*	58.3	102.7	14 800*	61.0	104.0	15 800	63.7	104.9	14 600										38.0
40.0	54.1	100.3	11 500*	56.0	101.4	13 900*	58.9	102.8	14 800	61.6	103.8	13 600										40.0
42.0	51.7	98.8	10 800*	53.7	100.0	13 100*	56.6	101.5	13 900	59.4	102.7	12 700										42.0
44.0	49.3	97.1	10 100*	51.3	98.4	12 300*	54.3	100.1	13 000	57.2	101.4	11 900										44.0
46.0	46.7	95.3	9 400*	48.9	96.7	11 500*	52.0	98.6	12 200	54.9	100.1	11 100	59.6	101.8	9 400							46.0
48.0	44.0	93.3	8 900*	46.3	94.9	10 800*	49.5	96.9	11 500	52.6	98.6	10 500	57.4	100.5	8 800							48.0
50.0	41.3	91.1	8 400*	43.6	92.9	10 100*	47.0	95.1	10 800	50.2	97.0	9 800	55.1	99.2	8 200							50.0
52.0	38.3	88.7	7 900*	40.8	90.6	9 600*	44.4	93.2	10 200	47.7	95.2	9 200	52.8	97.7	7 700	57.4	99.2	6 200				52.0
54.0	35.1	85.9	7 500*	37.8	88.2	9 000*	41.6	91.0	9 700	45.1	93.3	8 700	50.4	96.1	7 200	55.2	97.9	5 700				54.0
56.0	31.7	82.9	7 100*	34.6	85.4	8 500*	38.7	88.6	9 100	42.3	91.2	8 200	47.9	94.4	6 700	52.8	96.4	5 300				56.0
58.0	27.8	79.3	6 800*	31.1	82.3	8 100*	35.5	85.9	8 600	39.4	88.8	7 700	45.3	92.4	6 300	50.4	94.8	4 900				58.0
60.0	23.4	75.1	6 600*	27.2	78.6	7 700*	32.1	82.9	8 200	36.3	86.2	7 300	42.5	90.3	5 900	47.9	93.1	4 600				60.0
62.0	18.0	69.7	6 400*	22.7	74.2	7 300*	28.3	79.4	7 700	33.0	83.3	6 900	39.6	88.0	5 500	45.3	91.1	4 200	50.3	93.0	3 000	62.0
64.0	10.1	61.5	5 400*	17.1	68.6	6 700*	24.0	75.2	7 300*	29.3	79.9	6 500	36.6	85.4	5 200	42.6	89.0	3 900	47.8	91.3	2 700	64.0
66.0							18.7	70.0	6 800*	25.2	76.0	6 200	33.3	82.5	4 800	39.7	86.7	3 600	45.2	89.4	2 400	66.0
68.0							11.3	62.4	6 100*	20.2	71.1	5 800	29.6	79.2	4 500	36.6	84.1	3 300	42.5	87.3	2 100	68.0
70.0										13.6	64.4	5 500	25.5	75.3	4 300	33.3	81.2	3 000	39.6	84.9	1 900	70.0
72.0													20.6	70.5	4 000	29.7	77.9	2 800				72.0
74.0													14.2	64.0	3 800	25.6	74.0	2 600				74.0
76.0																20.7	69.3	2 400				76.0
78.0																14.4	62.8	2 200				78.0



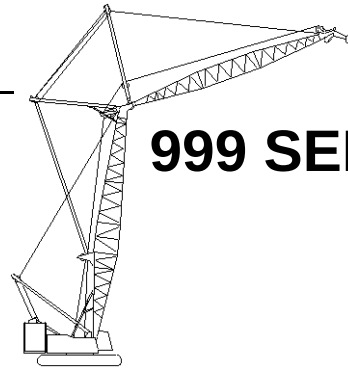
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

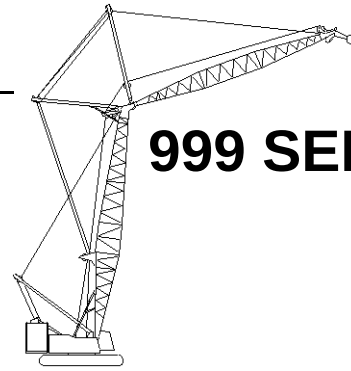
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



48.8m (160 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	76.0	113.2	15 400*																19.8
20.0	75.8	113.2	15 400*																20.0
22.0	73.9	112.6	15 200*																22.0
24.0	72.1	112.0	15 000*																24.0
26.0	70.2	111.3	14 700*	71.8	111.8	17 300*													26.0
28.0	68.2	110.5	14 400*	69.9	111.1	17 100*													28.0
30.0	66.3	109.7	14 200*	68.0	110.3	17 000*													30.0
32.0	64.3	108.7	13 900*	66.0	109.4	16 700*	68.5	110.2	16 600*										32.0
34.0	62.3	107.7	13 400*	64.0	108.5	15 900*	66.5	109.4	16 500*										34.0
36.0	60.3	106.6	12 700*	62.0	107.4	15 100*	64.6	108.4	16 300	67.0	109.2	15 200							36.0
38.0	58.2	105.4	11 900*	60.0	106.3	14 300*	62.6	107.4	15 400	65.1	108.3	14 100							38.0
40.0	56.0	104.1	11 200*	57.9	105.1	13 500*	60.5	106.3	14 400	63.1	107.3	13 200							40.0
42.0	53.8	102.6	10 600*	55.7	103.7	12 800*	58.4	105.1	13 500	61.0	106.2	12 300							42.0
44.0	51.6	101.1	9 900*	53.5	102.3	12 000*	56.3	103.8	12 600	59.0	105.0	11 500							44.0
46.0	49.2	99.4	9 300*	51.2	100.7	11 300*	54.1	102.4	11 900	56.8	103.8	10 800	61.2	105.3	9 100				46.0
48.0	46.8	97.6	8 800*	48.9	99.0	10 600*	51.8	100.9	11 200	54.7	102.4	10 100	59.1	104.1	8 400				48.0
50.0	44.3	95.6	8 200*	46.4	97.2	10 000*	49.5	99.2	10 500	52.4	100.9	9 500	57.0	102.9	7 900				50.0
52.0	41.7	93.4	7 800*	43.9	95.2	9 400*	47.1	97.4	9 900	50.1	99.3	8 900	54.8	101.5	7 300				52.0
54.0	38.9	91.1	7 400*	41.2	93.0	8 900*	44.6	95.5	9 300	47.7	97.5	8 400	52.6	100.0	6 900	57.0	101.6	5 400	54.0
56.0	35.9	88.4	7 000*	38.4	90.6	8 400*	42.0	93.3	8 800	45.3	95.6	7 900	50.3	98.4	6 400	54.9	100.2	5 000	56.0
58.0	32.7	85.4	6 600*	35.4	87.9	8 000*	39.2	91.0	8 300	42.7	93.5	7 400	47.9	96.7	6 000	52.6	98.7	4 600	58.0
60.0	29.2	82.0	6 400*	32.2	84.8	7 600*	36.2	88.3	7 800	39.9	91.2	6 900	45.4	94.7	5 600	50.3	97.1	4 200	60.0
62.0	25.2	78.1	6 100*	28.6	81.4	7 100*	33.1	85.4	7 400	37.0	88.6	6 500	42.9	92.7	5 200	48.0	95.4	3 900	62.0
64.0	20.5	73.3	5 800*	24.5	77.3	6 600*	29.6	82.1	7 000	33.9	85.8	6 200	40.1	90.4	4 800	45.5	93.4	3 600	64.0
66.0	14.4	66.8	5 200*	19.7	72.3	6 100*	25.7	78.2	6 600*	30.5	82.6	5 800	37.2	87.8	4 500	42.9	91.4	3 300	66.0
68.0				13.3	65.4	5 200*	21.1	73.5	6 100*	26.8	78.9	5 500	34.2	85.0	4 200	40.2	89.1	3 000	68.0
70.0							15.3	67.3	5 700*	22.4	74.4	5 200	30.8	81.8	3 900	37.3	86.6	2 700	70.0
72.0										17.0	68.7	4 900	27.0	78.2	3 700	34.2	83.7	2 500	72.0
74.0													22.7	73.8	3 400	30.9	80.6	2 300	74.0
76.0													17.4	68.2	3 200	27.1	76.9	2 000	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

48.8m (160 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.3	116.0	14 100*																21.3
22.0	74.7	115.8	14 000*																22.0
24.0	72.9	115.2	13 900*																24.0
26.0	71.1	114.5	13 600*	72.6	115.0	15 800*													26.0
28.0	69.3	113.8	13 400*	70.8	114.3	15 700*													28.0
30.0	67.4	113.0	13 200*	69.0	113.6	15 500*													30.0
32.0	65.6	112.1	12 900*	67.2	112.7	15 400*	69.5	113.5	15 100*										32.0
34.0	63.7	111.1	12 600*	65.3	111.8	15 200*	67.7	112.7	15 000*										34.0
36.0	61.7	110.1	12 200*	63.4	110.9	14 400*	65.8	111.8	14 900*										36.0
38.0	59.8	108.9	11 500*	61.5	109.8	13 800*	63.9	110.9	14 800*	66.3	111.6	13 700							38.0
40.0	57.8	107.7	10 900*	59.5	108.7	13 100*	62.0	109.8	14 000	64.4	110.7	12 800							40.0
42.0	55.7	106.4	10 300*	57.5	107.4	12 400*	60.0	108.7	13 000	62.5	109.7	11 900							42.0
44.0	53.6	105.0	9 700*	55.4	106.1	11 700*	58.0	107.5	12 200	60.5	108.6	11 100							44.0
46.0	51.5	103.4	9 100*	53.3	104.6	11 100*	56.0	106.2	11 500	58.5	107.4	10 400	62.6	108.8	8 600				46.0
48.0	49.2	101.7	8 600*	51.1	103.0	10 400*	53.9	104.7	10 700	56.5	106.1	9 700	60.7	107.7	8 000				48.0
50.0	46.9	99.9	8 100*	48.9	101.3	9 800*	51.7	103.2	10 100	54.4	104.7	9 100	58.7	106.5	7 400				50.0
52.0	44.5	97.9	7 600*	46.6	99.5	9 300*	49.5	101.5	9 500	52.3	103.2	8 500	56.7	105.2	6 900				52.0
54.0	42.0	95.8	7 200*	44.1	97.5	8 800*	47.2	99.7	8 900	50.1	101.6	8 000	54.6	103.8	6 400				54.0
56.0	39.4	93.4	6 800*	41.6	95.3	8 300*	44.8	97.8	8 400	47.8	99.8	7 500	52.4	102.3	6 000	56.7	103.9	4 600	56.0
58.0	36.6	90.8	6 500*	39.0	92.9	7 800*	42.3	95.7	7 900	45.4	97.9	7 000	50.2	100.7	5 600	54.6	102.5	4 200	58.0
60.0	33.6	88.0	6 200*	36.1	90.3	7 300*	39.7	93.3	7 400	43.0	95.8	6 500	48.0	99.0	5 100	52.5	101.0	3 800	60.0
62.0	30.3	84.7	5 900*	33.1	87.4	6 800*	36.9	90.8	7 000	40.4	93.5	6 200	45.6	97.1	4 700	50.3	99.4	3 500	62.0
64.0	26.7	81.0	5 500*	29.8	84.1	6 300*	33.9	87.9	6 600	37.7	91.0	5 800	43.1	95.0	4 400	48.0	97.7	3 100	64.0
66.0	22.5	76.5	5 100*	26.1	80.2	5 900*	30.7	84.7	6 300	34.7	88.3	5 400	40.6	92.7	4 100	45.7	95.8	2 800	66.0
68.0	17.4	70.9	4 700*	21.8	75.7	5 500*	27.1	81.0	5 800*	31.6	85.2	5 100	37.8	90.2	3 800	43.2	93.7	2 600	68.0
70.0	10.1	62.6	3 800*	16.6	69.8	4 900*	23.1	76.7	5 500*	28.1	81.6	4 800	34.9	87.5	3 500	40.6	91.4	2 300	70.0
72.0							18.1	71.3	5 100*	24.2	77.5	4 500	31.8	84.4	3 300	37.9	89.0	2 000	72.0
74.0							11.2	63.5	4 400*	19.5	72.4	4 200	28.4	80.9	3 000	35.0	86.2	1 900	74.0
76.0										13.4	65.5	4 000	24.5	76.8	2 700				76.0
78.0													19.9	71.9	2 600				78.0
80.0													13.9	65.1	2 400				80.0



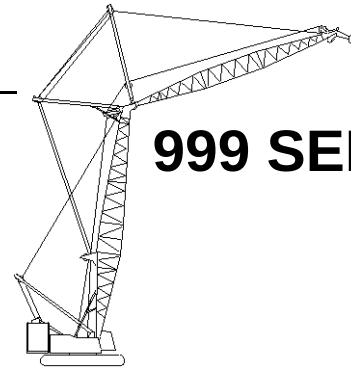
Liftcrane Luffing Jib Capacities

999 SERIES 3

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

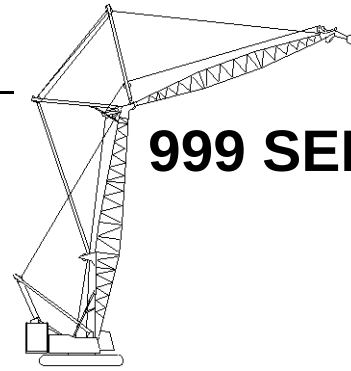
Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



48.8m (160 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.9	119.1	13 100*													21.3
22.0	75.4	118.9	13 000*													22.0
24.0	73.7	118.4	12 900*													24.0
26.0	72.0	117.7	12 600*	73.4	118.2	14 900*										26.0
28.0	70.2	117.0	12 400*	71.7	117.5	14 700*										28.0
30.0	68.5	116.3	12 200*	70.0	116.8	14 600*										30.0
32.0	66.7	115.4	11 900*	68.2	116.0	14 400*	70.4	116.7	14 400*							32.0
34.0	64.9	114.5	11 700*	66.4	115.2	13 800*	68.7	116.0	14 400*							34.0
36.0	63.1	113.5	11 200*	64.6	114.3	13 200*	66.9	115.1	14 300*							36.0
38.0	61.2	112.5	10 600*	62.8	113.3	12 500*	65.1	114.2	14 200*							38.0
40.0	59.3	111.3	10 000*	60.9	112.2	11 900*	63.3	113.3	13 600	65.6	114.1	12 400				40.0
42.0	57.4	110.1	9 400*	59.1	111.0	11 300*	61.4	112.2	12 700	63.8	113.1	11 600				42.0
44.0	55.4	108.7	8 900*	57.1	109.7	10 700*	59.6	111.0	11 900	61.9	112.1	10 800				44.0
46.0	53.4	107.3	8 400*	55.1	108.4	10 200*	57.6	109.8	11 100	60.1	110.9	10 100				46.0
48.0	51.4	105.7	7 900*	53.1	106.9	9 600*	55.7	108.5	10 400	58.1	109.7	9 400	62.1	111.2	7 700	48.0
50.0	49.2	104.0	7 500*	51.0	105.3	9 100*	53.7	107.0	9 800	56.2	108.4	8 800	60.2	110.0	7 100	50.0
52.0	47.0	102.2	7 000*	48.9	103.6	8 600*	51.6	105.5	9 200	54.2	107.0	8 200	58.3	108.8	6 600	52.0
54.0	44.7	100.2	6 700*	46.7	101.8	8 100*	49.5	103.8	8 600	52.1	105.5	7 700	56.3	107.5	6 100	54.0
56.0	42.3	98.1	6 300*	44.4	99.8	7 600*	47.3	102.0	8 100	50.0	103.9	7 200	54.3	106.1	5 700	56.0
58.0	39.8	95.8	6 000*	42.0	97.7	7 200*	45.0	100.1	7 600	47.9	102.1	6 700	52.3	104.6	5 300	58.0
60.0	37.2	93.3	5 700*	39.4	95.3	6 900*	42.6	98.0	7 200	45.6	100.2	6 300	50.2	103.0	4 900	60.0
62.0	34.4	90.4	5 500*	36.8	92.7	6 500*	40.1	95.7	6 700	43.2	98.1	5 900	48.0	101.3	4 500	62.0
64.0	31.3	87.3	5 200*	33.9	89.9	6 100*	37.5	93.2	6 300	40.8	95.9	5 500	45.8	99.4	4 200	64.0
66.0	28.0	83.8	4 900*	30.8	86.7	5 700*	34.7	90.4	5 900	38.2	93.4	5 100	43.4	97.3	3 800	66.0
68.0	24.2	79.6	4 500*	27.5	83.1	5 300*	31.7	87.3	5 600	35.5	90.7	4 800	41.0	95.1	3 500	68.0
70.0	19.8	74.6	4 100*	23.6	78.8	4 900*	28.4	83.8	5 200*	32.5	87.7	4 500	38.4	92.6	3 200	70.0
72.0	14.1	67.9	3 600*	19.1	73.6	4 500*	24.7	79.7	4 900*	29.3	84.4	4 200	35.7	90.0	3 000	72.0
74.0				13.0	66.5	3 600*	20.4	74.9	4 500*	25.7	80.5	3 900	32.7	87.0	2 700	74.0
76.0							14.9	68.4	4 100*	21.6	75.8	3 700	29.5	83.6	2 500	76.0
78.0										16.5	69.9	3 500	26.0	79.8	2 300	78.0
80.0													21.9	75.2	2 100	80.0
82.0													16.9	69.4	1 900	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

48.8m (160 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.3	121.9	11 900*													22.9
24.0	74.4	121.5	11 900*													24.0
26.0	72.7	120.9	11 700*													26.0
28.0	71.1	120.3	11 500*	72.5	120.7	13 500*										28.0
30.0	69.4	119.5	11 300*	70.8	120.1	13 400*										30.0
32.0	67.7	118.7	11 100*	69.2	119.3	13 200*										32.0
34.0	66.0	117.9	10 900*	67.5	118.5	13 100*	69.6	119.2	13 000*							34.0
36.0	64.3	116.9	10 700*	65.8	117.6	12 500*	67.9	118.4	13 000*							36.0
38.0	62.5	115.9	10 100*	64.0	116.7	12 000*	66.2	117.6	12 900*							38.0
40.0	60.7	114.8	9 600*	62.3	115.7	11 400*	64.5	116.7	12 800	66.7	117.4	12 000				40.0
42.0	58.9	113.7	9 100*	60.5	114.5	10 900*	62.7	115.7	12 400	64.9	116.5	11 100				42.0
44.0	57.1	112.4	8 600*	58.7	113.4	10 300*	61.0	114.6	11 500	63.2	115.5	10 400				44.0
46.0	55.2	111.0	8 100*	56.8	112.1	9 800*	59.1	113.4	10 700	61.4	114.4	9 600				46.0
48.0	53.2	109.6	7 700*	54.9	110.7	9 300*	57.3	112.2	10 000	59.6	113.3	9 000				48.0
50.0	51.3	108.0	7 300*	52.9	109.2	8 800*	55.4	110.8	9 400	57.8	112.1	8 400	61.6	113.5	6 700	50.0
52.0	49.2	106.3	6 900*	51.0	107.6	8 300*	53.5	109.4	8 800	55.9	110.8	7 800	59.8	112.4	6 200	52.0
54.0	47.1	104.5	6 500*	48.9	105.9	7 900*	51.5	107.8	8 200	54.0	109.3	7 300	57.9	111.2	5 700	54.0
56.0	44.9	102.6	6 100*	46.8	104.1	7 500*	49.5	106.1	7 700	52.0	107.8	6 800	56.0	109.9	5 300	56.0
58.0	42.6	100.5	5 800*	44.6	102.1	7 100*	47.3	104.3	7 200	50.0	106.2	6 300	54.1	108.5	4 900	58.0
60.0	40.2	98.2	5 500*	42.3	100.0	6 700*	45.2	102.4	6 800	47.9	104.4	5 900	52.2	106.9	4 500	60.0
62.0	37.7	95.7	5 300*	39.9	97.7	6 300*	42.9	100.3	6 400	45.7	102.5	5 500	50.1	105.3	4 100	62.0
64.0	35.1	92.9	4 900*	37.4	95.2	5 800*	40.5	98.0	5 900	43.5	100.5	5 100	48.1	103.6	3 800	64.0
66.0	32.2	89.9	4 600*	34.7	92.4	5 400*	38.0	95.6	5 600	41.2	98.2	4 800	45.9	101.7	3 500	66.0
68.0	29.1	86.5	4 200*	31.8	89.3	5 000*	35.4	92.9	5 200	38.7	95.8	4 400	43.7	99.6	3 100	68.0
70.0	25.7	82.6	3 800*	28.6	85.8	4 600*	32.6	89.9	4 900	36.1	93.2	4 100	41.3	97.4	2 900	70.0
72.0	21.8	77.9	3 500*	25.1	81.8	4 200*	29.5	86.5	4 600*	33.3	90.3	3 800	38.9	95.0	2 600	72.0
74.0	17.0	72.2	3 100*	21.1	77.1	3 900*	26.1	82.7	4 200*	30.3	87.0	3 500	36.3	92.4	2 300	74.0
76.0	10.1	63.6	2 400*	16.1	71.0	3 300*	22.3	78.1	3 900*	27.0	83.3	3 300	33.5	89.5	2 100	76.0
78.0							17.6	72.5	3 600*	23.3	79.0	3 000				78.0
80.0							11.1	64.5	2 900*	18.9	73.7	2 800				80.0
82.0										13.1	66.6	2 700				82.0



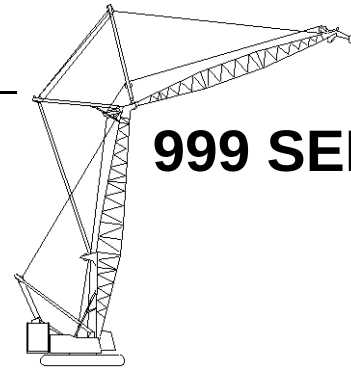
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

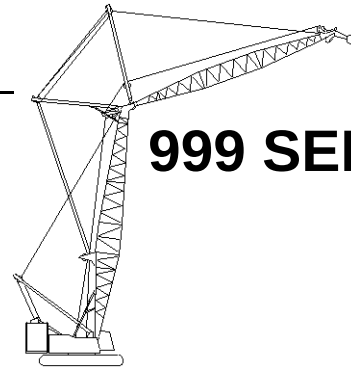


51.8m (170 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	64.0	73.3	44 300*b																			13.7
14.0	63.2	73.1	44 000*b																			14.0
16.0	56.9	71.9	42 100*b	62.6	72.9	49 100*b																16.0
18.0	50.1	70.4	39 600*	56.3	71.7	45 500*b																18.0
20.0	42.6	68.4	35 400*	49.4	70.1	42 300*	58.5	71.8	40 300b													20.0
22.0	33.6	65.7	32 100*	41.8	68.0	38 200*	51.9	70.4	36 600b	60.6	71.8	34 600b										22.0
24.0	21.6	61.7	29 900*	32.6	65.3	34 400*	44.6	68.5	33 600	54.2	70.5	31 600										24.0
26.0							36.1	66.1	31 000	47.1	68.8	29 100	61.9	71.0	26 300b							26.0
28.0							25.2	62.5	28 800	39.1	66.5	26 900	55.5	69.7	24 200b							28.0
30.0										29.3	63.5	25 100	48.6	68.1	22 400							30.0
32.0										13.9	58.2	23 500	40.8	66.0	20 900	56.5	68.5	18 600b				32.0
34.0													31.5	63.2	19 600	49.7	67.0	17 300				34.0
36.0													18.1	58.6	18 300	42.0	64.9	16 200				36.0
38.0																33.0	62.2	15 200				38.0
40.0																20.6	58.1	14 000	42.7	63.3	12 400	40.0
42.0																			33.8	60.7	11 500	42.0
44.0																			21.8	56.7	10 700	44.0

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	67.5	76.6	41 000*b																			13.7
14.0	66.8	76.5	40 800*b																			14.0
16.0	61.5	75.5	39 000*b	66.3	76.3	47 400*b																16.0
18.0	55.9	74.2	37 500*	61.0	75.3	44 000*b																18.0
20.0	50.0	72.7	34 000*	55.4	74.0	40 900*	62.8	75.3	39 400b													20.0
22.0	43.4	70.7	30 500*	49.4	72.4	36 800*	57.4	74.2	35 800	64.6	75.3	33 800b										22.0
24.0	35.9	68.2	27 700*	42.7	70.4	33 100*	51.5	72.7	32 800	59.3	74.2	30 900										24.0
26.0	26.6	64.8	25 500*	35.1	67.8	29 900*	45.1	70.8	30 200	53.6	72.8	28 400										26.0
28.0				25.5	64.3	27 500*	37.9	68.5	28 000	47.4	71.1	26 200	60.4	73.4	23 600b							28.0
30.0							29.2	65.4	26 100	40.5	68.9	24 400	54.7	72.0	21 800							30.0
32.0							16.6	60.4	24 400	32.4	66.1	22 800	48.7	70.4	20 300							32.0
34.0										21.7	62.0	21 400	41.9	68.4	18 900	55.6	70.8	16 700				34.0
36.0													34.1	65.7	17 700	49.6	69.3	15 600				36.0
38.0													24.2	62.0	16 600	43.0	67.3	14 600				38.0
40.0																35.4	64.7	13 700	50.1	67.6	11 900	40.0
42.0																25.9	61.2	12 700	43.5	65.7	11 100	42.0
44.0																9.6	54.6	11 900	36.0	63.2	10 300	44.0
46.0																			26.7	59.8	9 600	46.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.1	79.9	38 200*b																			13.7
14.0	69.5	79.8	38 000*b																			14.0
16.0	64.9	78.9	36 200*b	69.0	79.6	45 200*b																16.0
18.0	60.2	77.8	34 700*	64.5	78.7	42 800*b																18.0
20.0	55.2	76.5	32 900*	59.7	77.6	39 400*	66.1	78.7	38 700b													20.0
22.0	49.9	75.0	29 500*	54.7	76.3	35 600*	61.4	77.7	35 100													22.0
24.0	44.1	73.0	26 600*	49.3	74.7	32 100*	56.5	76.5	32 200	63.0	77.7	30 300										24.0
26.0	37.6	70.7	24 200*	43.5	72.7	29 100*	51.2	75.0	29 600	58.2	76.5	27 800										26.0
28.0	29.9	67.6	22 300*	36.9	70.3	26 400*	45.6	73.1	27 400	53.1	75.1	25 700										28.0
30.0	19.6	63.1	21 100*	29.0	67.1	24 200*	39.3	70.9	25 500	47.6	73.4	23 800	59.2	75.7	21 300							30.0
32.0				18.2	62.3	22 800*	32.0	68.0	23 800	41.5	71.3	22 200	54.1	74.3	19 800							32.0
34.0							22.6	64.0	22 400	34.6	68.6	20 800	48.7	72.7	18 400							34.0
36.0										26.1	65.1	19 600	42.8	70.7	17 200	54.9	73.1	15 200				36.0
38.0										13.1	59.2	18 400	36.1	68.2	16 200	49.5	71.6	14 200				38.0
40.0													28.0	64.9	15 200	43.7	69.6	13 300				40.0
42.0													16.6	59.8	14 300	37.1	67.2	12 500	49.9	69.9	10 800	42.0
44.0																29.3	64.0	11 600	44.2	68.0	10 000	44.0
46.0																18.7	59.4	10 900	37.7	65.6	9 300	46.0
48.0																			30.0	62.5	8 700	48.0
50.0																			19.7	58.0	8 100	50.0



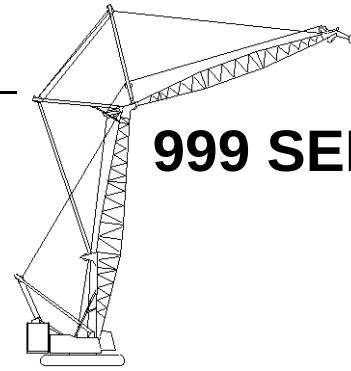
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

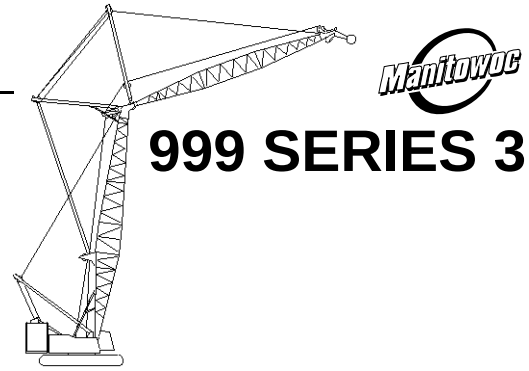
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.2	83.1	36 000*																			13.7
14.0	71.6	83.0	35 700*																			14.0
16.0	67.6	82.3	34 100*	71.2	82.9	42 000*																16.0
18.0	63.4	81.3	32 400*	67.2	82.1	40 500*																18.0
20.0	59.1	80.2	31 000*	63.0	81.1	37 800*	68.6	82.1	37 800*													20.0
22.0	54.6	78.9	28 600*	58.7	80.0	34 400*	64.5	81.2	34 300													22.0
24.0	49.8	77.3	25 800*	54.1	78.6	31 200*	60.2	80.1	31 400													24.0
26.0	44.6	75.4	23 400*	49.3	77.0	28 300*	55.7	78.8	28 900	61.7	80.0	27 100										26.0
28.0	38.9	73.1	21 400*	44.1	75.0	25 700*	51.0	77.3	26 800	57.3	78.8	25 000										28.0
30.0	32.3	70.2	19 700*	38.3	72.7	23 400*	45.9	75.5	24 800	52.7	77.4	23 200										30.0
32.0	24.1	66.3	18 400*	31.6	69.7	21 500*	40.4	73.3	23 200	47.7	75.7	21 600	58.2	78.1	19 100							32.0
34.0				23.2	65.8	20 000*	34.0	70.6	21 700	42.3	73.6	20 200	53.6	76.7	17 800							34.0
36.0							26.4	67.0	20 400	36.3	71.1	18 900	48.7	75.0	16 600							36.0
38.0							15.5	61.6	19 300	29.2	67.9	17 800	43.4	73.0	15 600	54.3	75.5	13 600				38.0
40.0										19.8	63.4	16 800	37.6	70.6	14 700	49.5	73.8	12 700				40.0
42.0													30.7	67.6	13 800	44.2	71.9	11 900				42.0
44.0													22.0	63.4	13 000	38.5	69.6	11 200				44.0
46.0																31.8	66.7	10 500	44.7	70.3	8 900	46.0
48.0																23.5	62.7	9 800	38.9	68.0	8 300	48.0
50.0																9.7	55.7	9 200	32.4	65.1	7 700	50.0
52.0																			24.2	61.3	7 200	52.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.9	86.3	33 400*b																			13.7
14.0	73.4	86.3	33 200*b																			14.0
16.0	69.7	85.6	31 800*b																			16.0
18.0	66.0	84.7	30 200*	69.4	85.4	37 800*																18.0
20.0	62.2	83.7	29 100*	65.7	84.5	36 300*	70.7	85.3	37 300													20.0
22.0	58.2	82.5	27 700*	61.8	83.5	33 300*	67.0	84.5	33 900													22.0
24.0	54.1	81.2	25 200*	57.8	82.3	30 500*	63.2	83.6	31 000													24.0
26.0	49.7	79.6	22 900*	53.7	80.9	27 800*	59.3	82.4	28 500	64.5	83.5	26 700										26.0
28.0	45.0	77.7	20 900*	49.3	79.3	25 300*	55.2	81.1	26 300	60.6	82.4	24 600										28.0
30.0	39.9	75.4	19 100*	44.5	77.4	23 100*	50.8	79.6	24 400	56.6	81.2	22 800										30.0
32.0	34.1	72.7	17 600*	39.3	75.1	21 100*	46.2	77.8	22 800	52.3	79.7	21 200	61.4	81.6	18 800							32.0
34.0	27.3	69.3	16 400*	33.5	72.3	19 300*	41.2	75.6	21 300	47.8	78.0	19 800	57.4	80.4	17 500							34.0
36.0	18.2	64.3	15 700*	26.5	68.7	18 000*	35.6	73.0	20 000	43.0	76.0	18 600	53.2	79.0	16 300							36.0
38.0				17.0	63.6	17 100*	29.1	69.8	18 800	37.6	73.5	17 500	48.7	77.3	15 300							38.0
40.0							20.8	65.4	17 800	31.5	70.6	16 500	44.0	75.4	14 300	53.8	77.8	12 400				40.0
42.0										23.9	66.6	15 600	38.7	73.0	13 500	49.4	76.1	11 600				42.0
44.0										12.6	60.3	14 700	32.8	70.2	12 700	44.7	74.2	10 900				44.0
46.0													25.6	66.5	12 100	39.5	72.0	10 300	49.8	74.5	8 700	46.0
48.0													15.6	61.0	11 300	33.7	69.2	9 700	45.1	72.6	8 100	48.0
50.0																26.8	65.7	9 100	39.9	70.4	7 600	50.0
52.0																17.4	60.6	8 500	34.2	67.7	7 100	52.0
54.0																			27.4	64.2	6 600	54.0
56.0																			18.3	59.3	6 200	56.0



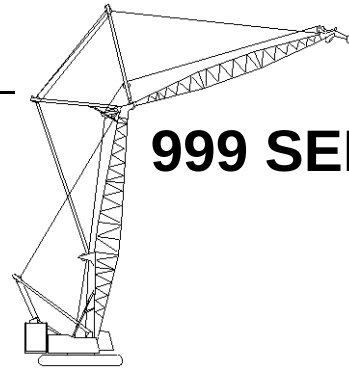
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

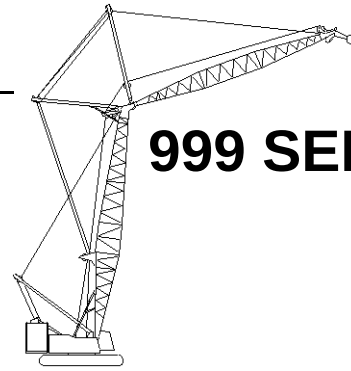
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	89.5	31 000*																			13.7
14.0	74.8	89.4	30 800*																			14.0
16.0	71.5	88.8	29 500*																			16.0
18.0	68.1	88.0	28 700*	71.2	88.6	35 200*																18.0
20.0	64.7	87.1	27 500*	67.8	87.8	34 300*																20.0
22.0	61.2	86.1	26 100*	64.4	86.9	32 000*	69.0	87.8	33 400													22.0
24.0	57.5	84.9	24 500*	60.8	85.9	29 400*	65.6	87.0	30 500													24.0
26.0	53.7	83.5	22 300*	57.1	84.6	27 000*	62.1	86.0	28 100	66.7	86.8	26 300										26.0
28.0	49.6	81.9	20 400*	53.3	83.2	24 700*	58.4	84.8	26 000	63.3	85.9	24 300										28.0
30.0	45.4	80.0	18 600*	49.2	81.6	22 500*	54.7	83.4	24 100	59.7	84.8	22 500										30.0
32.0	40.7	77.8	17 100*	44.9	79.7	20 600*	50.7	81.9	22 500	56.0	83.5	20 900										32.0
34.0	35.6	75.2	15 800*	40.2	77.5	19 000*	46.5	80.1	21 000	52.1	82.0	19 500	60.4	84.0	17 200							34.0
36.0	29.6	72.0	14 700*	35.0	74.8	17 400*	41.9	78.0	19 700	47.9	80.3	18 200	56.7	82.7	16 000							36.0
38.0	22.3	67.8	14 000*	29.0	71.5	16 200*	36.9	75.5	18 500	43.5	78.3	17 100	52.8	81.3	15 000							38.0
40.0				21.5	67.2	15 300*	31.2	72.5	17 500	38.7	75.9	16 100	48.8	79.6	14 100	57.3	81.5	12 100				40.0
42.0							24.4	68.6	16 500	33.3	73.1	15 200	44.4	77.7	13 200	53.4	80.1	11 400				42.0
44.0							14.7	62.7	15 600	26.9	69.6	14 400	39.7	75.4	12 500	49.4	78.4	10 600				44.0
46.0										18.5	64.7	13 700	34.4	72.7	11 700	45.1	76.6	10 000				46.0
48.0													28.3	69.3	11 100	40.4	74.3	9 400	49.7	76.8	7 800	48.0
50.0													20.5	64.8	10 500	35.2	71.7	8 900	45.4	74.9	7 300	50.0
52.0																29.2	68.5	8 400	40.8	72.7	6 900	52.0
54.0																21.8	64.2	7 800	35.6	70.1	6 500	54.0
56.0																9.8	56.8	7 300	29.7	67.0	6 000	56.0
58.0																			22.4	62.8	5 600	58.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.1	92.2	27 800*																			15.2
16.0	73.0	92.0	27 400*																			16.0
18.0	69.9	91.3	26 500*																			18.0
20.0	66.8	90.5	25 800*	69.6	91.1	32 200*																20.0
22.0	63.6	89.6	24 700*	66.5	90.3	30 600*																22.0
24.0	60.3	88.5	23 700*	63.3	89.3	28 400*	67.6	90.3	29 900													24.0
26.0	56.9	87.2	21 700*	60.0	88.2	26 200*	64.4	89.4	27 500													26.0
28.0	53.3	85.8	19 900*	56.5	87.0	24 100*	61.1	88.3	25 400	65.5	89.3	23 700										28.0
30.0	49.6	84.2	18 200*	53.0	85.5	22 100*	57.7	87.1	23 600	62.2	88.3	22 000										30.0
32.0	45.6	82.3	16 800*	49.2	83.9	20 300*	54.2	85.8	22 000	58.9	87.1	20 500										32.0
34.0	41.4	80.2	15 400*	45.2	82.0	18 600*	50.6	84.2	20 500	55.4	85.8	19 100										34.0
36.0	36.8	77.6	14 300*	41.0	79.8	17 200*	46.7	82.4	19 200	51.8	84.3	17 800	59.6	86.3	15 600							36.0
38.0	31.5	74.6	13 300*	36.3	77.3	15 800*	42.5	80.3	18 100	48.0	82.6	16 700	56.1	85.0	14 600							38.0
40.0	25.3	70.8	12 600*	31.0	74.2	14 700*	38.0	77.9	17 000	43.9	80.6	15 700	52.6	83.6	13 700							40.0
42.0	17.1	65.5	12 200*	24.6	70.3	13 900*	32.9	75.0	16 100	39.6	78.3	14 800	48.8	81.9	12 800							42.0
44.0				16.1	64.7	13 300*	27.0	71.5	15 200	34.7	75.6	14 000	44.8	80.0	12 000	53.1	82.4	10 300				44.0
46.0							19.5	66.7	14 400*	29.1	72.3	13 200	40.5	77.8	11 300	49.4	80.7	9 600				46.0
48.0										22.3	68.1	12 500	35.7	75.2	10 700	45.4	78.9	9 000				48.0
50.0										12.3	61.4	11 900	30.3	72.0	10 100	41.1	76.7	8 500	49.6	79.1	7 000	50.0
52.0													23.8	68.0	9 600	36.4	74.2	8 000	45.7	77.2	6 500	52.0
54.0													14.8	62.1	9 000	31.2	71.1	7 600	41.5	75.1	6 100	54.0
56.0																24.9	67.3	7 100	36.8	72.6	5 700	56.0
58.0																16.5	61.8	6 600	31.6	69.6	5 300	58.0
60.0																			25.4	65.8	5 000	60.0
62.0																			17.3	60.5	4 600	62.0



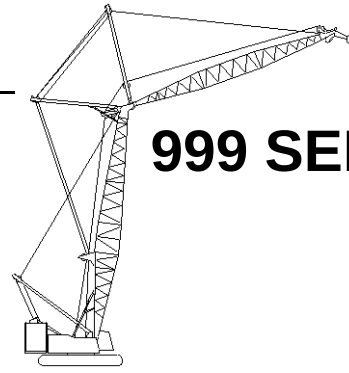
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

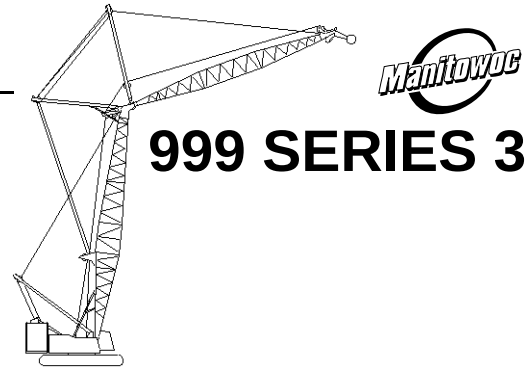
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.3	95.4	26 200*																			15.2
16.0	74.2	95.2	25 900*																			16.0
18.0	71.4	94.6	25 000*																			18.0
20.0	68.5	93.8	23 900*	71.1	94.4	29 700*																20.0
22.0	65.6	92.9	23 200*	68.3	93.6	28 800*																22.0
24.0	62.6	92.0	22 500*	65.3	92.7	27 200*	69.3	93.6	28 900													24.0
26.0	59.5	90.8	21 100*	62.3	91.7	25 300*	66.3	92.8	26 900													26.0
28.0	56.3	89.5	19 300*	59.2	90.6	23 400*	63.4	91.8	24 800													28.0
30.0	53.0	88.1	17 800*	56.0	89.3	21 600*	60.3	90.7	23 000	64.4	91.7	21 400										30.0
32.0	49.6	86.5	16 300*	52.7	87.8	19 900*	57.1	89.5	21 400	61.4	90.7	19 900										32.0
34.0	45.9	84.6	15 100*	49.2	86.2	18 300*	53.9	88.1	19 900	58.2	89.5	18 500										34.0
36.0	42.0	82.5	14 000*	45.5	84.3	16 800*	50.4	86.5	18 700	55.0	88.1	17 300										36.0
38.0	37.7	80.1	13 000*	41.6	82.2	15 600*	46.8	84.7	17 500	51.6	86.6	16 200	58.9	88.7	14 100							38.0
40.0	33.0	77.2	12 100*	37.3	79.7	14 500*	43.0	82.6	16 500	48.1	84.9	15 200	55.6	87.4	13 100							40.0
42.0	27.6	73.7	11 400*	32.6	76.8	13 400*	38.8	80.3	15 500	44.3	82.9	14 300	52.3	85.9	12 300							42.0
44.0	21.0	69.2	10 900*	27.1	73.2	12 600*	34.3	77.5	14 700	40.3	80.7	13 500	48.8	84.2	11 500							44.0
46.0				20.2	68.5	12 000*	29.1	74.2	13 900	35.9	78.1	12 700	45.1	82.3	10 800	52.8	84.7	9 100				46.0
48.0							22.8	70.0	13 200	30.9	75.0	12 000	41.1	80.1	10 200	49.3	83.0	8 500				48.0
50.0							14.1	63.9	12 400*	25.1	71.2	11 400	36.8	77.6	9 600	45.7	81.2	8 000				50.0
52.0										17.6	65.9	10 800	32.0	74.6	9 100	41.7	79.0	7 500	49.6	81.4	6 000	52.0
54.0													26.4	71.0	8 600	37.5	76.6	7 100	45.9	79.5	5 600	54.0
56.0													19.3	66.1	8 200	32.7	73.7	6 600	42.0	77.4	5 200	56.0
58.0																27.3	70.1	6 200	37.8	75.0	4 900	58.0
60.0																20.5	65.5	5 900	33.1	72.1	4 500	60.0
62.0																9.9	57.9	5 500	27.7	68.7	4 200	62.0
64.0																			21.1	64.1	3 900	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	98.2	23 800*																			16.8
18.0	72.7	97.8	23 400*																			18.0
20.0	70.0	97.1	22 400*	72.4	97.6	27 600*																20.0
22.0	67.3	96.3	22 000*	69.8	96.9	27 100*																22.0
24.0	64.6	95.4	21 300*	67.1	96.1	26 100*																24.0
26.0	61.8	94.3	20 400*	64.3	95.2	24 300*	68.0	96.1	26 500													26.0
28.0	58.9	93.2	18 800*	61.5	94.1	22 600*	65.3	95.2	24 400													28.0
30.0	55.9	91.9	17 300*	58.6	92.9	21 000*	62.5	94.2	22 600	66.2	95.1	21 100										30.0
32.0	52.8	90.4	16 000*	55.6	91.6	19 500*	59.6	93.1	21 000	63.4	94.1	19 500										32.0
34.0	49.5	88.8	14 800*	52.4	90.1	18 000*	56.6	91.8	19 600	60.6	93.0	18 200										34.0
36.0	46.1	86.9	13 700*	49.2	88.5	16 600*	53.5	90.4	18 400	57.6	91.8	17 000										36.0
38.0	42.5	84.8	12 700*	45.8	86.6	15 300*	50.3	88.8	17 200	54.6	90.4	15 900										38.0
40.0	38.6	82.5	11 800*	42.1	84.5	14 200*	47.0	87.0	16 200	51.4	88.9	14 900	58.2	91.0	12 800							40.0
42.0	34.3	79.7	11 100*	38.2	82.1	13 300*	43.4	85.0	15 200	48.1	87.2	14 000	55.2	89.7	12 000							42.0
44.0	29.5	76.4	10 400*	33.9	79.3	12 300*	39.6	82.7	14 400	44.6	85.2	13 200	52.1	88.2	11 300							44.0
46.0	23.8	72.4	10 000*	29.0	76.0	11 600*	35.4	80.0	13 600	40.9	83.0	12 400	48.8	86.5	10 600	55.7	88.5	8 900				46.0
48.0	16.3	66.7	9 700*	23.2	71.8	11 000*	30.8	76.9	12 900	36.9	80.5	11 800	45.4	84.6	10 000	52.6	87.0	8 300				48.0
50.0				15.4	65.9	10 600*	25.4	73.1	12 200	32.4	77.6	11 100	41.7	82.5	9 400	49.3	85.3	7 800				50.0
52.0							18.5	68.0	11 500*	27.3	74.0	10 600	37.7	80.0	8 800	45.9	83.5	7 300				52.0
54.0										21.1	69.5	10 000	33.4	77.2	8 400	42.2	81.4	6 800	49.6	83.7	5 400	54.0
56.0										12.0	62.5	9 500	28.4	73.8	7 900	38.3	79.0	6 400	46.2	81.9	5 000	56.0
58.0													22.5	69.5	7 500	34.0	76.2	6 000	42.5	79.8	4 700	58.0
60.0													14.3	63.3	7 100	29.2	72.9	5 700	38.6	77.4	4 300	60.0
62.0																23.4	68.8	5 300	34.4	74.6	4 000	62.0
64.0																15.8	63.0	5 000	29.6	71.4	3 800	64.0
66.0																			23.9	67.3	3 500	66.0
68.0																			16.5	61.7	3 200	68.0



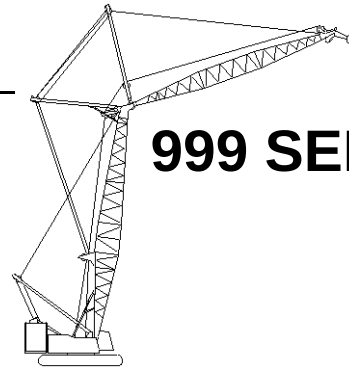
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

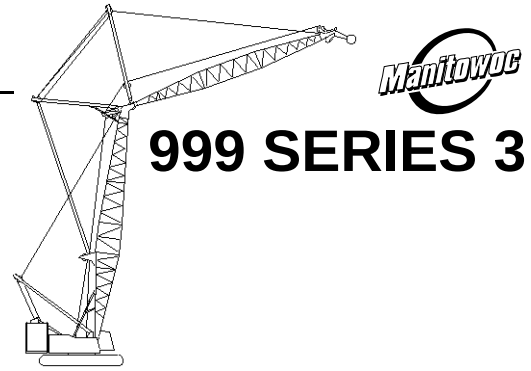
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.3	101.3	22 100*																			16.8
18.0	73.8	101.0	21 700*																			18.0
20.0	71.3	100.3	21 100*	73.6	100.8	25 400*																20.0
22.0	68.8	99.6	20 500*	71.1	100.1	25 100*																22.0
24.0	66.3	98.7	19 900*	68.6	99.4	24 600*																24.0
26.0	63.7	97.8	19 400*	66.0	98.5	23 400*	69.5	99.4	24 700													26.0
28.0	61.0	96.7	18 400*	63.4	97.6	21 900*	66.9	98.5	24 000													28.0
30.0	58.3	95.5	17 000*	60.7	96.5	20 500*	64.3	97.6	22 100													30.0
32.0	55.4	94.2	15 700*	58.0	95.3	19 000*	61.7	96.6	20 500	65.2	97.5	19 000										32.0
34.0	52.5	92.7	14 600*	55.2	93.9	17 700*	59.0	95.4	19 100	62.6	96.5	17 700										34.0
36.0	49.5	91.1	13 500*	52.2	92.4	16 400*	56.2	94.1	17 800	59.9	95.4	16 500										36.0
38.0	46.3	89.2	12 600*	49.2	90.8	15 200*	53.3	92.7	16 700	57.1	94.1	15 400										38.0
40.0	42.9	87.2	11 700*	46.0	88.9	14 100*	50.3	91.1	15 700	54.3	92.8	14 400	60.4	94.6	12 400							40.0
42.0	39.3	84.8	10 900*	42.6	86.8	13 100*	47.1	89.3	14 800	51.3	91.2	13 500	57.7	93.4	11 500							42.0
44.0	35.4	82.2	10 200*	38.9	84.5	12 300*	43.8	87.3	13 900	48.2	89.5	12 700	54.8	92.0	10 800							44.0
46.0	31.1	79.1	9 600*	35.0	81.8	11 500*	40.2	85.0	13 100	44.9	87.6	12 000	51.9	90.5	10 100							46.0
48.0	26.1	75.3	9 100*	30.6	78.6	10 800*	36.4	82.5	12 400	41.5	85.4	11 300	48.8	88.8	9 500	55.3	90.8	7 800				48.0
50.0	19.9	70.5	8 800*	25.5	74.8	10 200*	32.2	79.5	11 700	37.7	82.9	10 600	45.6	86.9	8 900	52.3	89.3	7 300				50.0
52.0				19.2	69.8	9 800*	27.4	75.9	11 100	33.7	80.1	10 100	42.2	84.8	8 400	49.3	87.6	6 800				52.0
54.0							21.6	71.4	10 500*	29.1	76.8	9 500	38.5	82.4	7 900	46.1	85.8	6 300				54.0
56.0							13.7	65.0	9 900*	23.7	72.7	9 100	34.5	79.7	7 400	42.7	83.7	5 900	49.5	86.0	4 500	56.0
58.0										16.8	67.1	8 600	30.1	76.5	7 000	39.1	81.4	5 600	46.3	84.2	4 200	58.0
60.0													24.9	72.5	6 700	35.1	78.7	5 200	43.0	82.1	3 900	60.0
62.0													18.4	67.4	6 300	30.8	75.5	4 900	39.4	79.8	3 600	62.0
64.0													7.5	58.3	6 000	25.7	71.7	4 600	35.4	77.1	3 300	64.0
66.0																19.5	66.8	4 300	31.1	74.0	3 000	66.0
68.0																9.9	58.9	4 100	26.1	70.3	2 800	68.0
70.0																			20.0	65.5	2 600	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.4	104.1	20 200*																			18.3
20.0	72.5	103.5	19 700*																			20.0
22.0	70.1	102.8	19 200*	72.2	103.4	23 200*																22.0
24.0	67.8	102.1	18 700*	69.9	102.7	22 900*																24.0
26.0	65.3	101.2	18 000*	67.5	101.9	22 300*	70.7	102.6	22 600*													26.0
28.0	62.9	100.2	17 500*	65.1	101.0	21 000*	68.4	101.8	22 600*													28.0
30.0	60.3	99.1	16 600*	62.6	100.0	19 800*	65.9	101.0	21 900													30.0
32.0	57.8	97.9	15 300*	60.1	98.8	18 500*	63.5	100.0	20 400	66.8	100.9	18 800										32.0
34.0	55.1	96.5	14 300*	57.5	97.6	17 300*	61.0	99.0	19 000	64.3	99.9	17 500										34.0
36.0	52.3	95.0	13 200*	54.8	96.3	16 100*	58.4	97.8	17 700	61.8	98.9	16 400										36.0
38.0	49.5	93.4	12 300*	52.0	94.7	15 000*	55.8	96.4	16 600	59.3	97.7	15 300										38.0
40.0	46.5	91.5	11 500*	49.2	93.1	14 000*	53.0	95.0	15 600	56.7	96.5	14 300	62.3	98.1	12 300							40.0
42.0	43.3	89.5	10 700*	46.2	91.2	13 000*	50.2	93.4	14 700	54.0	95.1	13 400	59.8	96.9	11 500							42.0
44.0	39.9	87.2	10 000*	43.0	89.2	12 100*	47.2	91.6	13 800	51.2	93.5	12 600	57.2	95.7	10 700							44.0
46.0	36.3	84.6	9 400*	39.6	86.9	11 300*	44.1	89.6	13 000	48.2	91.8	11 900	54.5	94.3	10 000							46.0
48.0	32.4	81.6	8 900*	36.0	84.2	10 600*	40.8	87.4	12 300	45.2	89.9	11 200	51.7	92.8	9 400							48.0
50.0	27.9	78.1	8 400*	31.9	81.2	10 000*	37.3	84.9	11 600	41.9	87.7	10 600	48.8	91.1	8 800	54.9	93.1	7 200				50.0
52.0	22.6	73.8	8 100*	27.4	77.6	9 400*	33.4	82.0	11 000	38.5	85.3	10 000	45.8	89.2	8 300	52.1	91.6	6 700				52.0
54.0	15.7	67.9	7 900*	22.0	73.2	9 000*	29.1	78.7	10 500	34.7	82.6	9 400	42.6	87.1	7 800	49.3	89.9	6 300				54.0
56.0				14.9	67.1	8 700*	24.0	74.6	9 900	30.6	79.4	8 900	39.2	84.8	7 300	46.3	88.1	5 900				56.0
58.0							17.7	69.2	9 300*	25.9	75.6	8 500	35.5	82.1	6 900	43.1	86.1	5 500	49.5	88.3	4 100	58.0
60.0										20.1	70.8	8 100	31.5	79.1	6 600	39.7	83.7	5 100	46.5	86.5	3 800	60.0
62.0										11.8	63.6	7 700	26.9	75.4	6 200	36.1	81.1	4 800	43.3	84.4	3 500	62.0
64.0													21.4	70.9	5 800	32.1	78.1	4 400	40.0	82.1	3 200	64.0
66.0													13.9	64.4	5 600	27.6	74.6	4 200	36.4	79.6	2 900	66.0
68.0																22.2	70.2	3 900	32.4	76.6	2 700	68.0
70.0																15.2	64.1	3 700	28.0	73.1	2 500	70.0
72.0																			22.7	68.8	2 200	72.0
74.0																			15.8	62.9	2 100	74.0



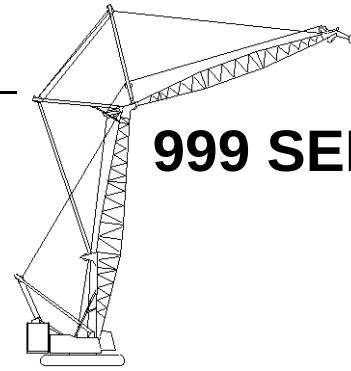
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

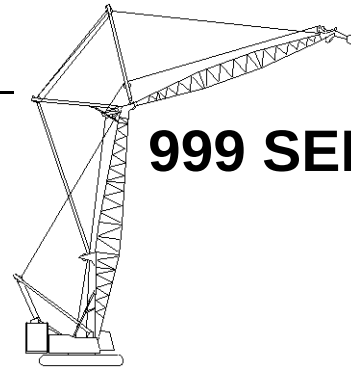
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



51.8m (170 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.3	107.2	18 700*																			18.3
20.0	73.5	106.7	18 400*																			20.0
22.0	71.3	106.1	17 900*	73.3	106.6	21 400*																22.0
24.0	69.1	105.3	17 300*	71.1	105.9	21 200*																24.0
26.0	66.8	104.5	17 000*	68.8	105.1	21 100*																26.0
28.0	64.5	103.6	16 600*	66.6	104.3	20 100*	69.6	105.1	20 700*													28.0
30.0	62.1	102.6	15 900*	64.3	103.4	19 000*	67.4	104.3	20 700*													30.0
32.0	59.7	101.4	14 900*	61.9	102.3	17 900*	65.1	103.4	19 900													32.0
34.0	57.3	100.2	13 900*	59.5	101.2	16 700*	62.7	102.4	18 500	65.9	103.3	17 000										34.0
36.0	54.8	98.8	12 900*	57.0	99.9	15 700*	60.4	101.3	17 300	63.5	102.3	15 800										36.0
38.0	52.1	97.3	12 100*	54.5	98.6	14 700*	57.9	100.1	16 100	61.2	101.3	14 800										38.0
40.0	49.4	95.7	11 200*	51.9	97.0	13 700*	55.4	98.8	15 100	58.7	100.1	13 800										40.0
42.0	46.6	93.8	10 500*	49.2	95.4	12 800*	52.8	97.3	14 200	56.3	98.8	13 000	61.6	100.5	11 000							42.0
44.0	43.6	91.8	9 800*	46.3	93.5	11 900*	50.1	95.7	13 300	53.7	97.4	12 100	59.2	99.3	10 200							44.0
46.0	40.5	89.6	9 200*	43.3	91.5	11 100*	47.3	93.9	12 500	51.0	95.8	11 400	56.8	98.0	9 600							46.0
48.0	37.1	87.0	8 700*	40.2	89.2	10 400*	44.4	91.9	11 900	48.3	94.1	10 700	54.2	96.6	8 900							48.0
50.0	33.5	84.2	8 200*	36.8	86.7	9 800*	41.3	89.7	11 200	45.4	92.2	10 100	51.6	95.1	8 400							50.0
52.0	29.4	80.9	7 800*	33.1	83.8	9 300*	38.0	87.3	10 600	42.4	90.1	9 500	48.8	93.4	7 800	54.6	95.4	6 300				52.0
54.0	24.8	76.9	7 400*	29.0	80.4	8 700*	34.4	84.5	10 000	39.1	87.7	9 000	46.0	91.5	7 400	52.0	93.9	5 800				54.0
56.0	19.1	71.8	7 200*	24.3	76.3	8 300*	30.5	81.3	9 500	35.7	85.1	8 500	43.0	89.5	6 900	49.3	92.2	5 400				56.0
58.0				18.4	71.1	8 000*	26.0	77.5	9 000*	31.9	82.0	8 100	39.8	87.2	6 500	46.4	90.4	5 000	52.2	92.3	3 700	58.0
60.0							20.6	72.8	8 400*	27.6	78.5	7 600	36.4	84.6	6 100	43.4	88.4	4 700	49.5	90.6	3 300	60.0
62.0							13.3	66.1	8 000*	22.6	74.1	7 200	32.7	81.6	5 800	40.3	86.1	4 300	46.6	88.8	3 000	62.0
64.0										16.2	68.3	6 900	28.5	78.2	5 400	36.9	83.6	4 000	43.7	86.8	2 800	64.0
66.0													23.7	74.0	5 100	33.2	80.7	3 700	40.5	84.5	2 500	66.0
68.0													17.6	68.6	4 800	29.1	77.3	3 500	37.2	82.0	2 200	68.0
70.0													7.9	59.5	4 600	24.4	73.3	3 200	33.5	79.1	2 000	70.0
72.0																18.6	68.1	3 000				72.0
74.0																9.9	60.0	2 800				74.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.6	110.0	17 100*																			19.8
20.0	74.4	109.9	17 100*																			20.0
22.0	72.3	109.3	16 700*																			22.0
24.0	70.2	108.6	16 300*	72.1	109.1	19 500*																24.0
26.0	68.1	107.8	15 900*	70.0	108.4	19 400*																26.0
28.0	65.9	107.0	15 500*	67.9	107.6	19 100*																28.0
30.0	63.7	106.0	15 100*	65.7	106.8	18 100*	68.6	107.6	19 000*													30.0
32.0	61.5	104.9	14 400*	63.5	105.8	17 200*	66.5	106.8	19 000*													32.0
34.0	59.2	103.8	13 500*	61.3	104.7	16 200*	64.3	105.8	18 200	67.2	106.6	16 700										34.0
36.0	56.9	102.5	12 600*	59.0	103.6	15 200*	62.1	104.8	16 900	65.0	105.7	15 600										36.0
38.0	54.5	101.1	11 800*	56.6	102.3	14 300*	59.8	103.7	15 800	62.8	104.7	14 500										38.0
40.0	52.0	99.6	11 000*	54.2	100.9	13 400*	57.5	102.4	14 800	60.6	103.6	13 600										40.0
42.0	49.4	98.0	10 300*	51.7	99.4	12 500*	55.1	101.1	13 900	58.3	102.4	12 700										42.0
44.0	46.7	96.1	9 600*	49.1	97.7	11 700*	52.6	99.6	13 000	55.9	101.1	11 900	61.0	102.8	10 000							44.0
46.0	43.9	94.1	9 000*	46.5	95.8	11 000*	50.1	98.0	12 300	53.5	99.7	11 100	58.7	101.6	9 300							46.0
48.0	41.0	91.9	8 500*	43.6	93.8	10 300*	47.4	96.2	11 600	50.9	98.1	10 500	56.4	100.4	8 700							48.0
50.0	37.8	89.5	8 000*	40.7	91.6	9 700*	44.6	94.2	10 900	48.3	96.4	9 900	53.9	98.9	8 100							50.0
52.0	34.4	86.7	7 600*	37.5	89.1	9 100*	41.7	92.1	10 300	45.6	94.5	9 300	51.4	97.4	7 600	56.7	99.1	6 000				52.0
54.0	30.7	83.5	7 200*	34.1	86.3	8 600*	38.6	89.7	9 700	42.7	92.4	8 800	48.9	95.7	7 100	54.3	97.7	5 600				54.0
56.0	26.5	79.8	6 900*	30.3	83.0	8 200*	35.3	87.0	9 200	39.7	90.1	8 200	46.2	93.8	6 700	51.8	96.2	5 200				56.0
58.0	21.6	75.2	6 700*	26.1	79.3	7 700*	31.7	83.9	8 800	36.5	87.5	7 800	43.3	91.8	6 300	49.2	94.5	4 800				58.0
60.0	15.2	69.1	6 500*	21.1	74.6	7 500*	27.7	80.4	8 300*	33.0	84.6	7 400	40.3	89.5	5 900	46.6	92.7	4 400	52.0	94.6	3 100	60.0
62.0				14.5	68.2	7 000*	23.0	76.1	7 800*	29.1	81.2	7 000	37.1	87.0	5 500	43.7	90.7	4 100	49.4	92.9	2 800	62.0
64.0							17.1	70.4	7 300*	24.6	77.2	6 600	33.7	84.2	5 200	40.8	88.5	3 800	46.8	91.1	2 500	64.0
66.0										19.3	72.1	6 300	29.9	80.9	4 900	37.6	86.0	3 500	44.0	89.1	2 300	66.0
68.0										11.6	64.7	6 000	25.6	77.0	4 500	34.2	83.2	3 200	41.0	86.9	2 000	68.0
70.0													20.4	72.2	4 300	30.5	80.0	3 000	37.9	84.4	1 800	70.0
72.0													13.5	65.5	4 000	26.3	76.2	2 800				72.0
74.0																21.3	71.6	2 500				74.0
76.0																14.7	65.3	2 400				76.0



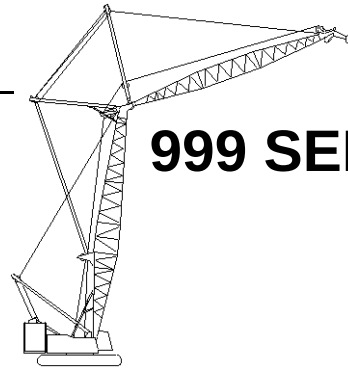
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

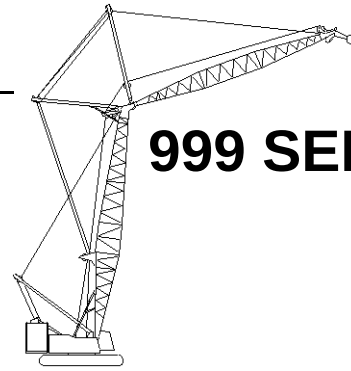
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



51.8m (170 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.4	113.1	15 800*																19.8
20.0	75.2	113.1	15 800*																20.0
22.0	73.2	112.5	15 600*																22.0
24.0	71.2	111.8	15 200*																24.0
26.0	69.2	111.1	14 900*	71.0	111.7	17 800*													26.0
28.0	67.2	110.3	14 600*	69.0	110.9	17 700*													28.0
30.0	65.1	109.4	14 200*	67.0	110.1	17 300*	69.7	110.9	17 300*										30.0
32.0	63.0	108.4	13 900*	64.9	109.2	16 400*	67.7	110.1	17 300*										32.0
34.0	60.9	107.3	13 000*	62.8	108.2	15 600*	65.7	109.2	17 200										34.0
36.0	58.7	106.1	12 200*	60.7	107.1	14 700*	63.6	108.2	16 500	66.4	109.1	15 100							36.0
38.0	56.5	104.9	11 500*	58.5	105.9	13 900*	61.4	107.2	15 400	64.3	108.1	14 000							38.0
40.0	54.2	103.5	10 700*	56.3	104.6	13 000*	59.3	106.0	14 400	62.2	107.1	13 100							40.0
42.0	51.8	101.9	10 100*	54.0	103.2	12 300*	57.1	104.8	13 500	60.0	106.0	12 200							42.0
44.0	49.4	100.3	9 400*	51.6	101.7	11 500*	54.8	103.4	12 600	57.8	104.8	11 500							44.0
46.0	46.8	98.4	8 900*	49.1	100.0	10 800*	52.4	101.9	11 900	55.6	103.4	10 700	60.5	105.2	8 800				46.0
48.0	44.2	96.5	8 300*	46.6	98.1	10 100*	50.0	100.3	11 200	53.2	102.0	10 000	58.3	104.0	8 300				48.0
50.0	41.4	94.3	7 900*	43.9	96.1	9 500*	47.5	98.5	10 500	50.8	100.4	9 400	56.0	102.7	7 700				50.0
52.0	38.5	91.8	7 400*	41.1	93.9	9 000*	44.9	96.6	9 900	48.4	98.7	8 900	53.7	101.3	7 200				52.0
54.0	35.3	89.1	7 000*	38.2	91.5	8 500*	42.1	94.4	9 300	45.8	96.8	8 300	51.3	99.7	6 700	56.3	101.5	5 200	54.0
56.0	31.9	86.1	6 700*	35.0	88.7	8 000*	39.2	92.1	8 800	43.1	94.7	7 800	48.9	98.0	6 300	54.0	100.1	4 700	56.0
58.0	28.1	82.6	6 400*	31.5	85.7	7 600*	36.1	89.4	8 300	40.2	92.5	7 400	46.3	96.2	5 800	51.7	98.5	4 400	58.0
60.0	23.7	78.4	6 200*	27.7	82.1	7 200*	32.8	86.5	7 900	37.2	89.9	7 000	43.6	94.1	5 500	49.2	96.8	4 000	60.0
62.0	18.4	73.1	6 000*	23.2	77.8	6 900*	29.1	83.1	7 500	33.9	87.1	6 600	40.8	91.9	5 100	46.7	95.0	3 700	62.0
64.0	10.7	65.1	5 400*	17.8	72.3	6 700*	24.9	79.1	7 000*	30.4	83.9	6 200	37.8	89.4	4 800	44.0	93.0	3 400	64.0
66.0							19.8	74.1	6 600*	26.3	80.1	5 900	34.6	86.6	4 400	41.2	90.8	3 100	66.0
68.0							13.0	67.2	6 100*	21.7	75.5	5 500	31.1	83.5	4 100	38.3	88.4	2 800	68.0
70.0										15.7	69.5	5 300	27.2	79.9	3 900	35.1	85.7	2 600	70.0
72.0													22.7	75.5	3 600	31.6	82.6	2 400	72.0
74.0													17.0	69.8	3 400	27.8	79.0	2 100	74.0
76.0													8.1	60.6	3 200	23.4	74.8	1 900	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

51.8m (170 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.7	115.9	14 500*																21.3
22.0	74.0	115.7	14 400*																22.0
24.0	72.2	115.1	14 200*																24.0
26.0	70.3	114.4	13 900*	72.0	114.9	16 400*													26.0
28.0	68.3	113.6	13 600*	70.1	114.2	16 300*													28.0
30.0	66.4	112.7	13 300*	68.2	113.4	16 100*													30.0
32.0	64.4	111.8	13 000*	66.2	112.5	15 700*	68.8	113.4	15 800*										32.0
34.0	62.4	110.8	12 600*	64.2	111.6	14 900*	66.9	112.6	15 700*										34.0
36.0	60.4	109.7	11 900*	62.2	110.6	14 200*	64.9	111.6	15 700*										36.0
38.0	58.3	108.5	11 100*	60.2	109.5	13 400*	62.9	110.6	15 000	65.6	111.5	13 600							38.0
40.0	56.1	107.2	10 500*	58.1	108.2	12 700*	60.9	109.6	14 000	63.6	110.6	12 700							40.0
42.0	54.0	105.8	9 900*	55.9	106.9	12 000*	58.8	108.4	13 100	61.6	109.5	11 800							42.0
44.0	51.7	104.2	9 300*	53.7	105.5	11 300*	56.7	107.1	12 300	59.5	108.4	11 100							44.0
46.0	49.4	102.6	8 700*	51.5	104.0	10 600*	54.5	105.7	11 500	57.4	107.1	10 300	62.0	108.7	8 500				46.0
48.0	46.9	100.8	8 200*	49.1	102.3	10 000*	52.3	104.2	10 800	55.3	105.8	9 700	59.9	107.6	7 900				48.0
50.0	44.4	98.8	7 700*	46.7	100.4	9 400*	50.0	102.6	10 200	53.0	104.3	9 100	57.8	106.3	7 300				50.0
52.0	41.8	96.6	7 300*	44.2	98.5	8 800*	47.6	100.8	9 600	50.8	102.7	8 500	55.7	105.0	6 800				52.0
54.0	39.0	94.2	6 900*	41.5	96.3	8 400*	45.1	98.9	9 000	48.4	101.0	8 000	53.5	103.6	6 400				54.0
56.0	36.1	91.6	6 600*	38.7	93.9	7 900*	42.5	96.8	8 500	45.9	99.1	7 500	51.2	102.0	5 900	56.0	103.8	4 400	56.0
58.0	32.9	88.6	6 200*	35.7	91.2	7 500*	39.7	94.4	8 000	43.4	97.1	7 100	48.9	100.3	5 500	53.8	102.4	4 000	58.0
60.0	29.4	85.3	5 900*	32.5	88.2	7 100*	36.8	91.9	7 500	40.7	94.8	6 600	46.4	98.5	5 100	51.6	100.8	3 700	60.0
62.0	25.4	81.4	5 700*	29.0	84.8	6 800*	33.7	89.0	7 100	37.8	92.3	6 200	43.9	96.4	4 800	49.2	99.1	3 400	62.0
64.0	20.8	76.6	5 500*	25.0	80.8	6 400*	30.3	85.8	6 700	34.8	89.6	5 800	41.2	94.2	4 400	46.8	97.3	3 000	64.0
66.0	14.8	70.2	5 100*	20.3	75.9	6 000*	26.5	82.0	6 300*	31.5	86.5	5 500	38.4	91.8	4 100	44.3	95.3	2 800	66.0
68.0				14.1	69.3	5 300*	22.0	77.5	5 900*	27.8	82.9	5 200	35.4	89.1	3 800	41.6	93.2	2 500	68.0
70.0							16.5	71.6	5 500*	23.6	78.7	4 900	32.1	86.1	3 500	38.8	90.8	2 200	70.0
72.0										18.6	73.4	4 600	28.6	82.6	3 300	35.9	88.1	2 000	72.0
74.0										11.5	65.8	4 400	24.5	78.6	3 000				74.0
76.0													19.7	73.5	2 800				76.0
78.0													13.2	66.6	2 600				78.0



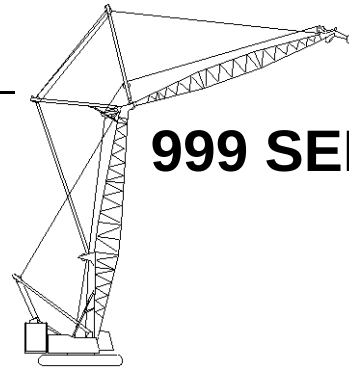
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

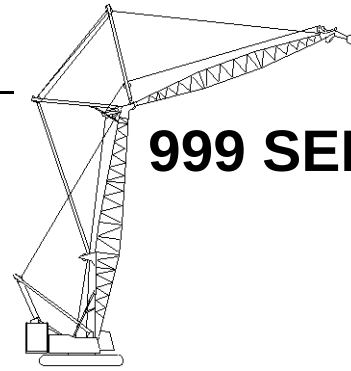
**Maximum Operating Wind Speeds
(all boom lengths)**

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**



51.8m (170 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.4	119.0	13 300*													21.3
22.0	74.8	118.8	13 300*													22.0
24.0	73.0	118.3	13 100*													24.0
26.0	71.2	117.6	12 900*	72.8	118.1	15 000*										26.0
28.0	69.4	116.9	12 700*	71.0	117.4	14 900*										28.0
30.0	67.5	116.1	12 400*	69.2	116.7	14 800*										30.0
32.0	65.7	115.2	12 200*	67.4	115.9	14 600*	69.8	116.6	14 400*							32.0
34.0	63.8	114.2	11 900*	65.5	115.0	14 200*	68.0	115.9	14 300*							34.0
36.0	61.9	113.2	11 500*	63.6	114.0	13 600*	66.1	115.0	14 300*							36.0
38.0	59.9	112.1	10 800*	61.7	113.0	12 900*	64.3	114.1	14 200*							38.0
40.0	57.9	110.8	10 200*	59.7	111.8	12 300*	62.3	113.0	13 500	64.9	114.0	12 200				40.0
42.0	55.8	109.5	9 600*	57.7	110.6	11 600*	60.4	111.9	12 700	63.0	113.0	11 400				42.0
44.0	53.7	108.1	9 000*	55.6	109.3	10 900*	58.4	110.7	11 800	61.0	111.9	10 600				44.0
46.0	51.6	106.5	8 500*	53.5	107.8	10 300*	56.4	109.4	11 100	59.1	110.7	9 900				46.0
48.0	49.3	104.9	8 000*	51.4	106.3	9 800*	54.3	108.0	10 400	57.0	109.5	9 300	61.4	111.1	7 500	48.0
50.0	47.0	103.1	7 500*	49.1	104.6	9 200*	52.1	106.5	9 700	55.0	108.1	8 700	59.5	109.9	6 900	50.0
52.0	44.6	101.1	7 100*	46.8	102.8	8 700*	49.9	104.9	9 100	52.9	106.6	8 100	57.5	108.7	6 400	52.0
54.0	42.1	98.9	6 700*	44.4	100.8	8 200*	47.6	103.1	8 600	50.7	105.0	7 600	55.4	107.3	5 900	54.0
56.0	39.5	96.6	6 400*	41.9	98.6	7 800*	45.3	101.2	8 100	48.4	103.3	7 100	53.3	105.9	5 500	56.0
58.0	36.7	94.0	6 100*	39.2	96.2	7 300*	42.8	99.1	7 600	46.1	101.4	6 600	51.1	104.3	5 100	58.0
60.0	33.7	91.2	5 800*	36.4	93.6	7 000*	40.2	96.8	7 100	43.6	99.4	6 200	48.9	102.6	4 700	60.0
62.0	30.5	87.9	5 500*	33.4	90.7	6 500*	37.4	94.3	6 700	41.1	97.2	5 800	46.5	100.8	4 300	62.0
64.0	26.9	84.2	5 200*	30.2	87.5	6 100*	34.5	91.5	6 300	38.4	94.7	5 400	44.1	98.8	4 000	64.0
66.0	22.8	79.8	4 900*	26.5	83.7	5 700*	31.3	88.4	6 000	35.5	92.0	5 100	41.6	96.6	3 700	66.0
68.0	17.8	74.3	4 500*	22.3	79.2	5 300*	27.8	84.8	5 600*	32.4	89.0	4 800	38.9	94.2	3 400	68.0
70.0	10.6	66.2	3 800*	17.2	73.6	4 900*	23.9	80.6	5 200*	29.1	85.6	4 500	36.1	91.6	3 100	70.0
72.0							19.1	75.4	4 800*	25.3	81.7	4 200	33.1	88.6	2 900	72.0
74.0							12.8	68.3	4 400*	20.9	76.9	3 900	29.8	85.3	2 600	74.0
76.0										15.2	70.6	3 700	26.1	81.5	2 400	76.0
78.0													21.8	76.9	2 200	78.0
80.0													16.5	71.0	2 000	80.0
82.0													8.3	61.7	1 900	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

51.8m (170 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	76.0	122.2	12 400*													21.3
22.0	75.5	122.0	12 400*													22.0
24.0	73.8	121.4	12 200*													24.0
26.0	72.0	120.8	12 000*	73.6	121.3	14 200*										26.0
28.0	70.3	120.1	11 700*	71.9	120.6	14 100*										28.0
30.0	68.6	119.4	11 500*	70.1	119.9	13 900*										30.0
32.0	66.8	118.5	11 200*	68.4	119.2	13 600*	70.8	119.9	13 700*							32.0
34.0	65.0	117.6	11 000*	66.6	118.3	13 000*	69.0	119.1	13 700*							34.0
36.0	63.2	116.6	10 500*	64.8	117.4	12 400*	67.2	118.3	13 600*							36.0
38.0	61.3	115.6	9 900*	63.0	116.4	11 800*	65.5	117.4	13 600*							38.0
40.0	59.4	114.4	9 300*	61.1	115.3	11 200*	63.6	116.5	13 300	66.1	117.3	11 900				40.0
42.0	57.5	113.2	8 800*	59.3	114.2	10 600*	61.8	115.4	12 300	64.3	116.4	11 100				42.0
44.0	55.5	111.8	8 300*	57.3	112.9	10 000*	59.9	114.3	11 500	62.4	115.4	10 300				44.0
46.0	53.5	110.4	7 800*	55.4	111.6	9 500*	58.0	113.1	10 800	60.6	114.3	9 600				46.0
48.0	51.5	108.8	7 400*	53.3	110.1	9 000*	56.0	111.8	10 100	58.7	113.1	9 000				48.0
50.0	49.3	107.2	7 000*	51.3	108.6	8 500*	54.0	110.3	9 400	56.7	111.8	8 400	60.9	113.4	6 600	50.0
52.0	47.1	105.4	6 500*	49.1	106.9	8 000*	52.0	108.8	8 800	54.7	110.4	7 800	59.0	112.3	6 100	52.0
54.0	44.8	103.4	6 200*	46.9	105.1	7 600*	49.9	107.2	8 300	52.7	108.9	7 300	57.1	111.0	5 700	54.0
56.0	42.5	101.3	5 900*	44.6	103.1	7 200*	47.7	105.4	7 800	50.6	107.3	6 800	55.1	109.6	5 200	56.0
58.0	40.0	99.0	5 600*	42.2	100.9	6 800*	45.4	103.5	7 300	48.4	105.6	6 400	53.1	108.2	4 800	58.0
60.0	37.3	96.4	5 300*	39.7	98.6	6 400*	43.1	101.4	6 900	46.2	103.7	5 900	51.0	106.6	4 400	60.0
62.0	34.5	93.7	5 000*	37.1	96.1	6 100*	40.6	99.2	6 400	43.9	101.7	5 500	48.9	104.9	4 100	62.0
64.0	31.5	90.5	4 800*	34.2	93.2	5 800*	38.0	96.7	6 100	41.5	99.5	5 200	46.7	103.1	3 700	64.0
66.0	28.2	87.0	4 600*	31.2	90.1	5 400*	35.2	94.0	5 700	38.9	97.1	4 800	44.4	101.1	3 400	66.0
68.0	24.4	82.9	4 300*	27.8	86.5	5 000*	32.3	90.9	5 300	36.2	94.5	4 500	41.9	98.9	3 100	68.0
70.0	20.1	77.9	3 900*	24.1	82.3	4 700*	29.0	87.5	5 000*	33.3	91.6	4 200	39.4	96.6	2 900	70.0
72.0	14.5	71.4	3 600*	19.6	77.3	4 300*	25.4	83.6	4 600*	30.2	88.3	3 900	36.8	94.0	2 600	72.0
74.0				13.8	70.5	3 800*	21.2	78.9	4 300*	26.7	84.5	3 700	33.9	91.1	2 300	74.0
76.0							16.0	72.8	4 000*	22.7	80.1	3 400	30.8	87.9	2 100	76.0
78.0										18.0	74.7	3 200	27.4	84.3	1 900	78.0
80.0										11.4	66.8	3 000				80.0



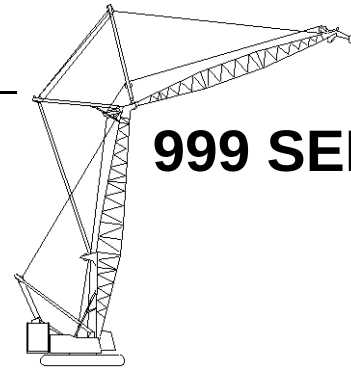
Liftcrane Luffing Jib Capacities

999 SERIES 3

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

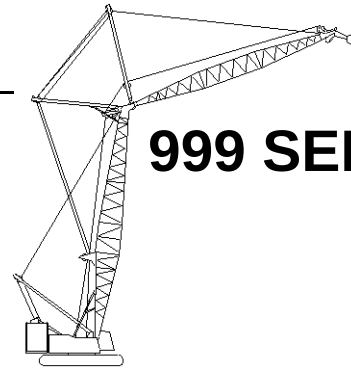
Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



51.8m (170 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.4	124.9	11 200*										22.9
24.0	74.5	124.6	11 100*										24.0
26.0	72.8	124.0	11 000*										26.0
28.0	71.2	123.4	10 700*	72.7	123.8	12 700*							28.0
30.0	69.5	122.6	10 500*	71.0	123.2	12 500*							30.0
32.0	67.8	121.8	10 300*	69.3	122.4	12 400*							32.0
34.0	66.1	121.0	10 100*	67.7	121.6	12 300*	69.9	122.4	12 200*				34.0
36.0	64.4	120.0	9 900*	65.9	120.8	11 800*	68.2	121.6	12 200*				36.0
38.0	62.6	119.0	9 600*	64.2	119.8	11 300*	66.5	120.8	12 100*				38.0
40.0	60.8	117.9	9 000*	62.5	118.8	10 700*	64.8	119.9	12 000*	67.1	120.6	11 500	40.0
42.0	59.0	116.8	8 500*	60.7	117.7	10 200*	63.1	118.9	11 800	65.4	119.7	10 600	42.0
44.0	57.2	115.5	8 100*	58.8	116.5	9 700*	61.3	117.8	11 100	63.7	118.8	9 900	44.0
46.0	55.3	114.2	7 600*	57.0	115.3	9 200*	59.5	116.7	10 400	61.9	117.7	9 200	46.0
48.0	53.3	112.7	7 200*	55.1	113.9	8 800*	57.6	115.4	9 700	60.1	116.6	8 500	48.0
50.0	51.4	111.1	6 800*	53.2	112.4	8 300*	55.8	114.1	9 000	58.3	115.4	8 000	50.0
52.0	49.3	109.5	6 400*	51.2	110.9	7 800*	53.8	112.7	8 500	56.4	114.1	7 400	52.0
54.0	47.2	107.7	6 100*	49.1	109.2	7 400*	51.9	111.1	7 900	54.5	112.7	6 900	54.0
56.0	45.0	105.7	5 800*	47.0	107.4	7 000*	49.8	109.5	7 400	52.5	111.2	6 400	56.0
58.0	42.8	103.6	5 500*	44.8	105.4	6 700*	47.7	107.7	6 900	50.5	109.6	6 000	58.0
60.0	40.4	101.3	5 200*	42.5	103.3	6 300*	45.6	105.8	6 500	48.5	107.9	5 500	60.0
62.0	37.9	98.8	5 000*	40.1	101.0	6 000*	43.3	103.7	6 100	46.3	106.0	5 200	62.0
64.0	35.2	96.1	4 700*	37.6	98.5	5 500*	41.0	101.5	5 700	44.1	104.0	4 800	64.0
66.0	32.4	93.1	4 300*	35.0	95.7	5 100*	38.5	99.1	5 300	41.8	101.9	4 500	66.0
68.0	29.3	89.7	3 900*	32.1	92.7	4 700*	35.9	96.4	5 000	39.4	99.5	4 100	68.0
70.0	25.9	85.8	3 600*	29.0	89.2	4 400*	33.1	93.5	4 600	36.8	96.9	3 800	70.0
72.0	22.0	81.3	3 300*	25.5	85.3	4 000*	30.1	90.2	4 300*	34.1	94.1	3 500	72.0
74.0	17.2	75.5	3 000*	21.6	80.6	3 700*	26.8	86.4	3 900*	31.2	90.9	3 200	74.0
76.0	10.6	67.3	2 400*	16.7	74.8	3 300*	23.0	82.1	3 700*	28.0	87.3	3 000	76.0
78.0							18.5	76.7	3 400*	24.4	83.2	2 800	78.0
80.0							12.6	69.4	3 000*	20.2	78.2	2 600	80.0
82.0										14.9	71.8	2 400	82.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	64.3	76.4	40 900*b																			13.7
14.0	63.5	76.2	40 600*b																			14.0
16.0	57.2	75.0	38 800*b																			16.0
18.0	50.5	73.5	37 300*	57.0	74.8	44 500*b																18.0
20.0	43.0	71.6	34 000*	50.2	73.3	40 600*	59.7	75.1	39 300b													20.0
22.0	34.2	68.9	30 900*	42.6	71.3	36 700*	53.2	73.7	35 800b	62.3	75.1	33 600b										22.0
24.0	22.4	65.1	28 800*	33.7	68.7	33 200*	46.0	71.9	32 800	55.9	73.9	30 700b										24.0
26.0							37.8	69.6	30 200	49.1	72.3	28 200										26.0
28.0							27.5	66.4	28 000	41.4	70.2	26 100	58.1	73.2	23 300b							28.0
30.0										32.2	67.4	24 300	51.4	71.7	21 500							30.0
32.0										19.2	63.1	22 800	44.0	69.8	20 000							32.0
34.0													35.4	67.3	18 700	53.3	70.7	16 400b				34.0
36.0													24.3	63.7	17 600	46.1	68.9	15 300				36.0
38.0																37.9	66.6	14 400				38.0
40.0																27.7	63.4	13 500	47.6	67.4	11 600	40.0
42.0																			39.7	65.2	10 800	42.0
44.0																			30.0	62.3	10 100	44.0

54.9m (180 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	67.8	79.7	38 100*b																			13.7
14.0	67.0	79.6	37 900*b																			14.0
16.0	61.8	78.6	36 100*b																			16.0
18.0	56.2	77.3	34 700*	61.5	78.4	42 700*b																18.0
20.0	50.3	75.8	32 700*	56.0	77.2	39 000*	63.8	78.6	38 400b													20.0
22.0	43.8	73.9	29 300*	50.0	75.6	35 200*	58.4	77.4	34 900b	66.0	78.5	32 800b										22.0
24.0	36.3	71.4	26 700*	43.5	73.7	31 900*	52.6	76.0	32 000	60.7	77.5	29 900										24.0
26.0	27.2	68.1	24 700*	36.0	71.2	28 900*	46.4	74.2	29 500	55.1	76.2	27 500										26.0
28.0				26.7	67.8	26 700*	39.3	72.0	27 300	49.1	74.6	25 500										28.0
30.0							31.0	69.1	25 400	42.4	72.5	23 600	57.0	75.5	20 900							30.0
32.0							19.6	64.6	23 800	34.7	70.0	22 000	51.1	74.0	19 400							32.0
34.0										25.0	66.3	20 700	44.7	72.2	18 100							34.0
36.0													37.4	69.8	17 000	52.8	73.0	14 800				36.0
38.0													28.5	66.6	15 900	46.5	71.2	13 800				38.0
40.0																39.5	69.0	12 900				40.0
42.0																31.2	66.1	12 100	47.8	69.7	10 300	42.0
44.0																19.9	61.7	11 400	41.0	67.6	9 600	44.0
46.0																			33.0	64.9	9 000	46.0
48.0																			22.6	60.9	8 400	48.0



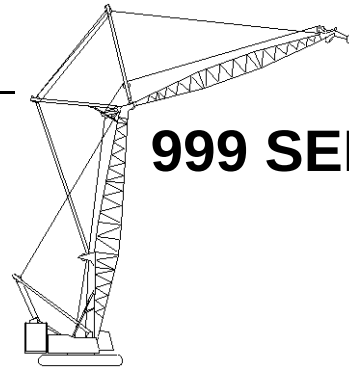
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

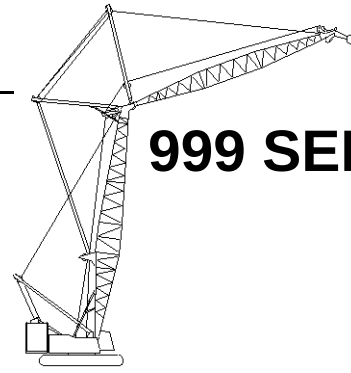
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	70.4	83.0	35 600*b																			13.7
14.0	69.7	82.9	35 300*b																			14.0
16.0	65.2	82.0	33 700*b																			16.0
18.0	60.4	81.0	32 600*	65.0	81.9	40 200*b																18.0
20.0	55.5	79.7	31 400*	60.2	80.8	37 500*	66.9	81.9	37 700b													20.0
22.0	50.2	78.1	28 400*	55.2	79.5	34 100*	62.3	81.0	34 300b													22.0
24.0	44.4	76.2	25 700*	49.9	77.9	30 900*	57.4	79.8	31 400	64.2	80.9	29 300										24.0
26.0	37.9	73.8	23 400*	44.1	76.0	28 100*	52.2	78.3	28 900	59.5	79.8	27 000										26.0
28.0	30.3	70.8	21 600*	37.6	73.6	25 500*	46.7	76.5	26 700	54.4	78.5	24 900										28.0
30.0	20.2	66.4	20 500*	30.0	70.5	23 500*	40.5	74.4	24 900	49.1	76.9	23 100										30.0
32.0				19.7	66.0	22 100*	33.4	71.6	23 200	43.2	74.9	21 500	56.1	77.9	19 000							32.0
34.0							24.6	67.9	21 800	36.5	72.4	20 100	50.9	76.3	17 700							34.0
36.0										28.6	69.2	18 900	45.2	74.5	16 500							36.0
38.0										17.6	64.3	17 900	38.8	72.2	15 500	52.4	75.3	13 300				38.0
40.0													31.4	69.3	14 500	46.8	73.5	12 500				40.0
42.0													21.8	65.1	13 700	40.7	71.4	11 700				42.0
44.0																33.6	68.7	11 000	47.9	72.0	9 300	44.0
46.0																24.8	65.0	10 400	41.9	70.0	8 700	46.0
48.0																			35.1	67.4	8 100	48.0
50.0																			26.8	63.9	7 600	50.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.4	86.2	33 200*b																			13.7
14.0	71.8	86.1	33 000*b																			14.0
16.0	67.8	85.4	31 800*b																			16.0
18.0	63.7	84.4	30 500*	67.6	85.2	37 600*b																18.0
20.0	59.4	83.3	29 000*	63.5	84.3	36 100*	69.4	85.2	36 900b													20.0
22.0	54.8	82.0	27 700*	59.2	83.1	33 000*	65.3	84.4	33 500													22.0
24.0	50.0	80.4	25 000*	54.6	81.8	30 100*	61.0	83.3	30 600													24.0
26.0	44.9	78.5	22 800*	49.8	80.2	27 400*	56.6	82.1	28 200	62.8	83.3	26 200										26.0
28.0	39.2	76.2	20 800*	44.6	78.3	25 000*	51.9	80.6	26 000	58.5	82.2	24 300										28.0
30.0	32.7	73.4	19 200*	38.9	76.0	22 900*	46.9	78.8	24 200	53.9	80.8	22 500										30.0
32.0	24.6	69.6	18 100*	32.3	73.1	21 000*	41.4	76.7	22 600	49.1	79.2	20 900	59.9	81.5	18 300							32.0
34.0				24.2	69.3	19 600*	35.3	74.1	21 100	43.8	77.2	19 500	55.4	80.2	17 000							34.0
36.0							28.0	70.8	19 900	38.0	74.8	18 300	50.7	78.6	15 900							36.0
38.0							18.0	65.9	18 800	31.2	71.9	17 200	45.6	76.8	14 900							38.0
40.0										22.7	67.8	16 300	40.0	74.6	14 000	52.0	77.6	11 900				40.0
42.0													33.6	71.8	13 100	47.0	75.8	11 200				42.0
44.0													25.8	68.2	12 400	41.6	73.7	10 500				44.0
46.0																35.4	71.2	9 800	48.1	74.3	8 100	46.0
48.0																28.1	67.8	9 300	42.7	72.3	7 600	48.0
50.0																18.3	63.0	8 700	36.7	69.8	7 100	50.0
52.0																			29.7	66.7	6 700	52.0
54.0																			20.6	62.3	6 200	54.0



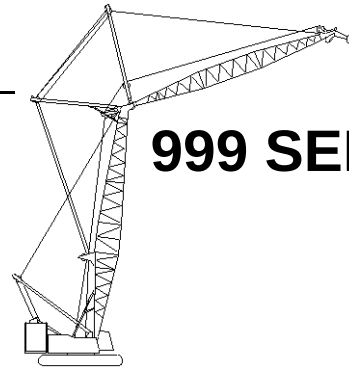
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

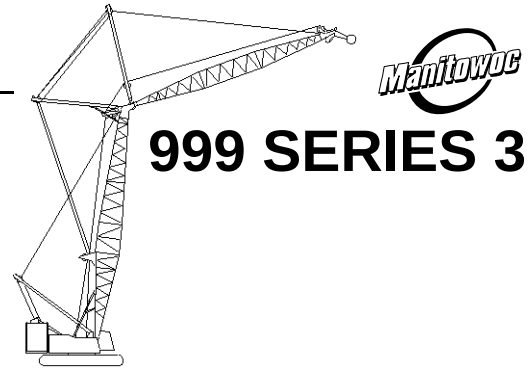
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.1	89.4	30 900*																			13.7
14.0	73.5	89.3	30 700*																			14.0
16.0	69.9	88.6	29 600*																			16.0
18.0	66.2	87.8	28 400*	69.8	88.5	35 200*																18.0
20.0	62.4	86.8	27 100*	66.1	87.7	34 000*																20.0
22.0	58.5	85.7	26 400*	62.2	86.7	31 800*	67.7	87.7	33 300													22.0
24.0	54.3	84.3	24 300*	58.3	85.5	29 100*	63.9	86.8	30 500													24.0
26.0	49.9	82.7	22 000*	54.1	84.1	26 600*	60.0	85.7	28 000	65.5	86.7	26 100										26.0
28.0	45.3	80.8	20 200*	49.7	82.5	24 400*	55.9	84.4	25 900	61.6	85.7	24 100										28.0
30.0	40.2	78.6	18 500*	45.1	80.6	22 300*	51.7	82.9	24 100	57.6	84.5	22 400										30.0
32.0	34.4	75.9	17 100*	39.9	78.4	20 500*	47.1	81.2	22 500	53.5	83.1	20 800	62.9	85.0	18 300							32.0
34.0	27.7	72.5	16 000*	34.2	75.7	18 800*	42.2	79.1	21 000	49.0	81.5	19 500	59.0	83.8	17 000							34.0
36.0	18.7	67.7	15 300*	27.3	72.2	17 500*	36.7	76.6	19 700	44.3	79.5	18 200	54.9	82.5	15 900							36.0
38.0				18.3	67.3	16 600*	30.4	73.5	18 600	39.1	77.2	17 100	50.5	80.9	14 900							38.0
40.0							22.6	69.4	17 600	33.2	74.4	16 100	45.9	79.1	13 900	56.0	81.4	11 900				40.0
42.0										26.1	70.8	15 200	40.9	76.9	13 100	51.7	79.9	11 200				42.0
44.0										16.4	65.5	14 500	35.2	74.3	12 400	47.2	78.1	10 500				44.0
46.0													28.6	71.0	11 700	42.3	76.1	9 800				46.0
48.0													20.1	66.5	11 100	36.8	73.6	9 300	48.1	76.6	7 600	48.0
50.0																30.6	70.5	8 700	43.3	74.6	7 100	50.0
52.0																22.8	66.4	8 300	38.0	72.2	6 700	52.0
54.0																			31.9	69.3	6 300	54.0
56.0																			24.5	65.5	5 900	56.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.4	92.6	28 800*b																			13.7
14.0	75.0	92.5	28 600*b																			14.0
16.0	71.7	91.9	27 500*b																			16.0
18.0	68.3	91.1	26 700*	71.5	91.7	32 800*																18.0
20.0	64.9	90.2	25 400*	68.2	91.0	31 900*																20.0
22.0	61.4	89.2	24 800*	64.7	90.1	30 500*	69.6	91.0	32 000													22.0
24.0	57.7	88.0	23 400*	61.2	89.0	28 100*	66.2	90.2	29 800													24.0
26.0	53.9	86.6	21 400*	57.5	87.8	25 800*	62.7	89.2	27 400	67.6	90.1	25 500										26.0
28.0	49.9	85.0	19 600*	53.7	86.4	23 700*	59.1	88.0	25 300	64.2	89.2	23 500										28.0
30.0	45.6	83.1	18 100*	49.7	84.8	21 800*	55.4	86.7	23 500	60.6	88.1	21 800										30.0
32.0	41.0	81.0	16 600*	45.4	82.9	20 000*	51.4	85.2	21 900	57.0	86.8	20 200										32.0
34.0	35.9	78.4	15 300*	40.8	80.7	18 400*	47.3	83.5	20 500	53.1	85.4	18 900	61.8	87.4	16 400							34.0
36.0	30.0	75.2	14 300*	35.6	78.1	17 000*	42.8	81.4	19 200	49.0	83.8	17 700	58.2	86.2	15 300							36.0
38.0	22.8	71.1	13 600*	29.7	74.9	15 800*	37.9	79.0	18 000	44.7	81.8	16 600	54.4	84.8	14 300							38.0
40.0				22.4	70.7	14 900*	32.4	76.1	17 000	40.0	79.6	15 600	50.4	83.2	13 400							40.0
42.0							25.8	72.4	16 100	34.8	76.9	14 700	46.2	81.4	12 600	55.5	83.7	10 600				42.0
44.0							16.9	67.1	15 200	28.7	73.6	13 900	41.6	79.3	11 900	51.5	82.2	9 900				44.0
46.0										21.1	69.2	13 200	36.6	76.8	11 200	47.4	80.4	9 300				46.0
48.0													30.8	73.7	10 600	42.9	78.4	8 800				48.0
50.0													23.8	69.7	10 000	38.0	76.0	8 200	48.2	78.9	6 600	50.0
52.0																32.5	73.1	7 800	43.8	77.0	6 200	52.0
54.0																25.9	69.4	7 300	39.0	74.6	5 800	54.0
56.0																17.1	64.2	6 900	33.6	71.9	5 400	56.0
58.0																			27.4	68.4	5 100	58.0
60.0																			19.2	63.6	4 800	60.0



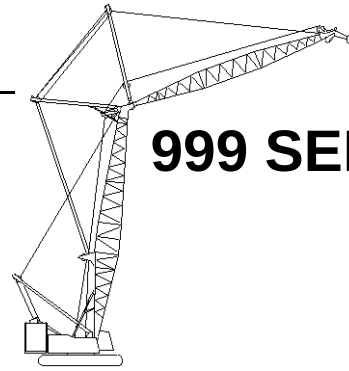
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

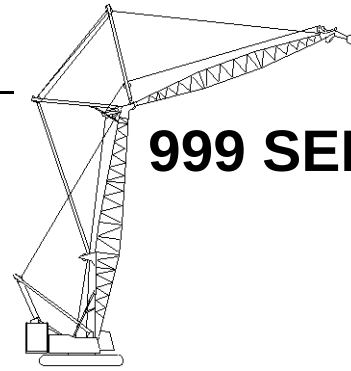
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	95.3	26 100*b																			15.2
16.0	73.1	95.1	25 800*b																			16.0
18.0	70.1	94.4	25 100*																			18.0
20.0	67.0	93.6	24 200*	69.9	94.3	29 900*																20.0
22.0	63.8	92.7	23 000*	66.8	93.4	28 900*																22.0
24.0	60.5	91.6	22 400*	63.6	92.5	27 100*	68.2	93.5	29 000													24.0
26.0	57.1	90.3	20 800*	60.3	91.4	25 000*	65.0	92.6	26 800													26.0
28.0	53.5	88.9	19 100*	56.9	90.1	23 100*	61.7	91.6	24 800	66.3	92.5	23 000										28.0
30.0	49.8	87.3	17 600*	53.4	88.7	21 300*	58.4	90.4	23 000	63.1	91.6	21 300										30.0
32.0	45.9	85.5	16 200*	49.6	87.1	19 600*	54.9	89.0	21 400	59.8	90.4	19 800										32.0
34.0	41.6	83.3	15 000*	45.7	85.2	18 100*	51.2	87.5	20 000	56.4	89.2	18 400										34.0
36.0	37.0	80.8	13 900*	41.4	83.1	16 700*	47.4	85.8	18 700	52.8	87.7	17 200	60.9	89.7	14 900							36.0
38.0	31.8	77.8	13 000*	36.8	80.6	15 500*	43.3	83.7	17 600	49.0	86.1	16 200	57.5	88.5	13 900							38.0
40.0	25.7	74.1	12 300*	31.6	77.6	14 400*	38.8	81.4	16 500	45.0	84.2	15 200	54.0	87.1	13 000							40.0
42.0	17.7	68.9	11 800*	25.4	73.8	13 500*	33.9	78.6	15 600	40.8	82.0	14 300	50.3	85.5	12 200							42.0
44.0				17.2	68.5	13 000*	28.2	75.2	14 800	36.0	79.4	13 500	46.4	83.7	11 400	55.0	86.0	9 500				44.0
46.0							21.1	70.8	14 000*	30.7	76.3	12 700	42.2	81.6	10 700	51.3	84.5	8 900				46.0
48.0										24.3	72.3	12 100	37.6	79.2	10 200	47.5	82.7	8 400				48.0
50.0										15.6	66.7	11 500	32.5	76.3	9 600	43.4	80.7	7 800				50.0
52.0													26.6	72.7	9 100	38.9	78.4	7 400	48.3	81.2	5 800	52.0
54.0													18.9	67.8	8 600	34.0	75.6	6 900	44.2	79.3	5 400	54.0
56.0																28.3	72.3	6 500	39.9	77.0	5 100	56.0
58.0																21.3	67.8	6 200	35.0	74.3	4 700	58.0
60.0																			29.5	71.1	4 400	60.0
62.0																			22.8	66.9	4 100	62.0
64.0																			13.2	60.6	3 900	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.4	98.5	24 300*																			15.2
16.0	74.4	98.3	24 200*																			16.0
18.0	71.6	97.6	23 300*																			18.0
20.0	68.7	96.9	22 800*	71.4	97.5	27 800*																20.0
22.0	65.8	96.0	22 000*	68.6	96.7	27 200*																22.0
24.0	62.8	95.1	21 300*	65.6	95.9	25 900*																24.0
26.0	59.7	93.9	20 200*	62.6	94.9	24 100*	66.9	96.0	26 200													26.0
28.0	56.5	92.7	18 600*	59.6	93.8	22 400*	63.9	95.0	24 200													28.0
30.0	53.2	91.2	17 100*	56.4	92.5	20 700*	60.9	93.9	22 400	65.2	95.0	20 700										30.0
32.0	49.7	89.6	15 800*	53.1	91.0	19 100*	57.7	92.7	20 800	62.2	93.9	19 200										32.0
34.0	46.1	87.8	14 600*	49.6	89.4	17 700*	54.5	91.4	19 500	59.1	92.8	17 900										34.0
36.0	42.2	85.7	13 600*	45.9	87.6	16 300*	51.1	89.8	18 200	55.9	91.5	16 700										36.0
38.0	38.0	83.2	12 600*	42.0	85.4	15 100*	47.5	88.1	17 100	52.5	90.0	15 600	60.1	92.1	13 300							38.0
40.0	33.3	80.4	11 800*	37.8	83.0	14 100*	43.7	86.1	16 000	49.0	88.4	14 700	56.9	90.8	12 500							40.0
42.0	28.0	77.0	11 100*	33.1	80.1	13 200*	39.6	83.8	15 100	45.3	86.5	13 800	53.6	89.4	11 700							42.0
44.0	21.4	72.5	10 600*	27.7	76.7	12 300*	35.2	81.1	14 300	41.4	84.3	13 000	50.2	87.8	10 900							44.0
46.0				21.1	72.1	11 700*	30.1	77.9	13 500	37.1	81.8	12 200	46.6	86.0	10 200	54.6	88.3	8 400				46.0
48.0							24.1	73.9	12 800	32.3	78.9	11 600	42.7	84.0	9 700	51.2	86.8	7 900				48.0
50.0							16.1	68.3	12 000*	26.8	75.3	11 000	38.6	81.6	9 100	47.6	85.0	7 300				50.0
52.0										19.8	70.5	10 400	34.0	78.8	8 600	43.8	83.1	6 900	51.9	85.2	5 300	52.0
54.0													28.7	75.5	8 100	39.7	80.8	6 400	48.3	83.5	4 900	54.0
56.0													22.4	71.2	7 700	35.3	78.1	6 000	44.6	81.6	4 600	56.0
58.0																30.2	75.0	5 700	40.6	79.4	4 200	58.0
60.0																24.3	71.0	5 300	36.2	76.8	3 900	60.0
62.0																16.3	65.4	5 100	31.3	73.7	3 600	62.0
64.0																			25.6	70.0	3 400	64.0
66.0																			18.2	64.8	3 100	66.0



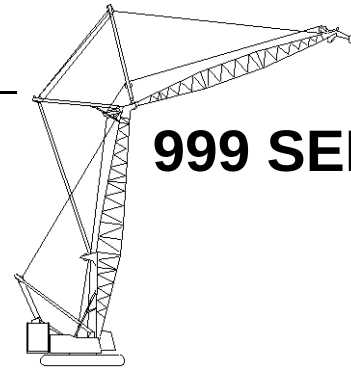
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

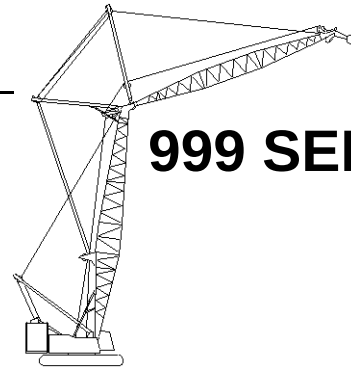
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.4	101.2	22 400*																			16.8
18.0	72.8	100.9	22 000*																			18.0
20.0	70.2	100.2	21 000*	72.7	100.7	25 800*																20.0
22.0	67.5	99.4	20 700*	70.1	100.0	25 400*																22.0
24.0	64.7	98.5	20 000*	67.4	99.2	24 700*																24.0
26.0	61.9	97.4	19 100*	64.6	98.3	23 300*	68.5	99.3	25 200													26.0
28.0	59.0	96.3	18 200*	61.8	97.3	21 800*	65.8	98.4	23 900													28.0
30.0	56.0	95.0	16 800*	58.9	96.1	20 300*	63.0	97.4	22 100													30.0
32.0	52.9	93.5	15 600*	55.9	94.8	18 800*	60.1	96.3	20 500	64.2	97.4	18 900										32.0
34.0	49.7	91.9	14 400*	52.8	93.3	17 500*	57.2	95.1	19 100	61.3	96.3	17 600										34.0
36.0	46.3	90.1	13 400*	49.5	91.7	16 200*	54.1	93.7	17 900	58.4	95.1	16 400										36.0
38.0	42.7	88.0	12 400*	46.1	89.9	15 000*	51.0	92.1	16 700	55.4	93.8	15 300										38.0
40.0	38.8	85.6	11 600*	42.5	87.8	14 000*	47.6	90.4	15 700	52.3	92.3	14 400	59.4	94.5	12 200							40.0
42.0	34.6	82.9	10 800*	38.6	85.4	13 000*	44.1	88.4	14 800	49.0	90.7	13 500	56.4	93.2	11 400							42.0
44.0	29.8	79.7	10 200*	34.4	82.6	12 200*	40.3	86.1	14 000	45.6	88.8	12 700	53.3	91.7	10 700							44.0
46.0	24.2	75.6	9 700*	29.6	79.4	11 400*	36.2	83.6	13 200	41.9	86.7	12 000	50.1	90.1	10 000	57.2	92.0	8 200				46.0
48.0	16.8	70.2	9 500*	23.9	75.3	10 800*	31.7	80.5	12 500	38.0	84.2	11 300	46.7	88.3	9 400	54.2	90.7	7 600				48.0
50.0				16.4	69.7	10 400*	26.5	76.9	11 800	33.7	81.4	10 700	43.2	86.3	8 800	51.0	89.1	7 100				50.0
52.0							20.0	72.1	11 100*	28.7	78.0	10 200	39.3	84.0	8 300	47.7	87.4	6 700				52.0
54.0										22.9	73.8	9 600	35.1	81.3	7 900	44.2	85.4	6 200	51.7	87.5	4 700	54.0
56.0										15.0	67.8	9 200	30.4	78.1	7 400	40.4	83.1	5 800	48.4	85.8	4 300	56.0
58.0													25.0	74.2	7 000	36.3	80.6	5 500	44.9	83.9	4 000	58.0
60.0													18.0	69.0	6 700	31.8	77.6	5 100	41.2	81.7	3 700	60.0
62.0																26.6	73.9	4 800	37.2	79.2	3 400	62.0
64.0																20.1	69.2	4 500	32.7	76.3	3 100	64.0
66.0																			27.7	72.8	2 900	66.0
68.0																			21.6	68.3	2 700	68.0
70.0																			12.8	61.7	2 500	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.4	104.4	20 800*																			16.8
18.0	73.9	104.0	20 500*																			18.0
20.0	71.5	103.4	19 900*																			20.0
22.0	69.0	102.7	19 100*	71.4	103.2	23 600*																22.0
24.0	66.4	101.8	18 800*	68.8	102.5	23 200*																24.0
26.0	63.8	100.9	18 000*	66.3	101.7	22 300*	69.9	102.5	23 100*													26.0
28.0	61.2	99.8	17 600*	63.7	100.7	20 900*	67.4	101.7	23 000													28.0
30.0	58.4	98.6	16 300*	61.0	99.6	19 600*	64.8	100.8	21 900													30.0
32.0	55.6	97.3	15 100*	58.3	98.5	18 200*	62.2	99.8	20 300	65.9	100.8	18 600										32.0
34.0	52.7	95.8	14 000*	55.5	97.1	17 000*	59.5	98.7	18 900	63.3	99.8	17 300										34.0
36.0	49.6	94.2	13 000*	52.6	95.6	15 800*	56.7	97.4	17 700	60.6	98.7	16 200										36.0
38.0	46.5	92.4	12 100*	49.5	94.0	14 700*	53.8	96.0	16 600	57.9	97.5	15 100										38.0
40.0	43.1	90.3	11 300*	46.3	92.2	13 600*	50.8	94.4	15 600	55.0	96.1	14 200	61.5	98.0	12 000							40.0
42.0	39.5	88.0	10 600*	42.9	90.1	12 700*	47.7	92.7	14 600	52.1	94.6	13 300	58.8	96.8	11 200							42.0
44.0	35.6	85.4	9 900*	39.3	87.8	11 900*	44.4	90.7	13 800	49.0	93.0	12 500	56.0	95.5	10 500							44.0
46.0	31.3	82.3	9 400*	35.4	85.1	11 100*	40.9	88.5	13 000	45.8	91.1	11 800	53.1	94.1	9 800							46.0
48.0	26.3	78.6	8 900*	31.1	82.0	10 500*	37.1	86.0	12 300	42.4	89.0	11 100	50.1	92.4	9 300	56.8	94.4	7 500				48.0
50.0	20.3	73.8	8 600*	26.1	78.3	9 900*	33.0	83.1	11 700	38.8	86.6	10 500	46.9	90.6	8 700	53.9	93.0	7 000				50.0
52.0				20.0	73.5	9 500*	28.3	79.7	11 100	34.8	83.9	9 900	43.6	88.6	8 200	50.9	91.4	6 500				52.0
54.0							22.8	75.4	10 400*	30.4	80.7	9 400	40.0	86.3	7 700	47.8	89.7	6 000				54.0
56.0							15.5	69.5	9 800*	25.3	76.8	8 900	36.1	83.7	7 200	44.5	87.7	5 600				56.0
58.0										18.9	71.8	8 500	31.9	80.7	6 800	41.0	85.5	5 300	48.4	88.1	3 800	58.0
60.0													27.0	77.1	6 400	37.2	83.0	4 900	45.2	86.2	3 500	60.0
62.0													21.2	72.6	6 100	33.1	80.1	4 600	41.7	84.1	3 200	62.0
64.0													13.0	65.9	5 800	28.4	76.7	4 300	38.0	81.6	2 900	64.0
66.0																22.9	72.4	4 000	34.0	78.8	2 700	66.0
68.0																15.6	66.6	3 800	29.4	75.5	2 500	68.0
70.0																			24.1	71.5	2 200	70.0
72.0																			17.3	66.1	2 000	72.0



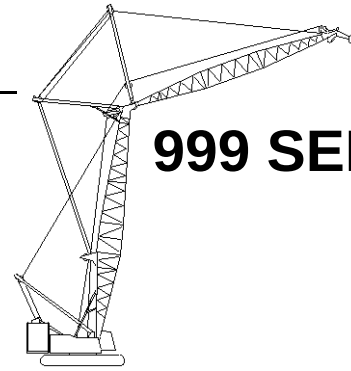
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

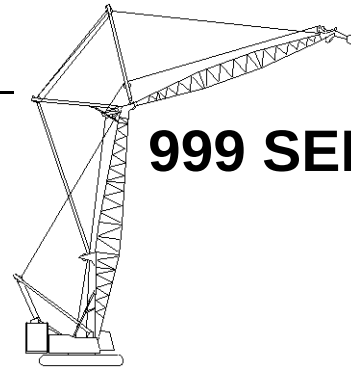
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.6	107.1	19 100*																			18.3
20.0	72.6	106.6	18 700*																			20.0
22.0	70.3	105.9	18 200*	72.5	106.5	21 900*																22.0
24.0	67.9	105.1	17 700*	70.2	105.8	21 700*																24.0
26.0	65.5	104.3	17 200*	67.8	105.0	21 100*																26.0
28.0	63.0	103.3	16 700*	65.4	104.1	20 100*	68.8	105.0	21 300*													28.0
30.0	60.5	102.2	15 900*	62.9	103.1	18 900*	66.4	104.2	21 100													30.0
32.0	57.9	101.0	14 700*	60.4	102.0	17 700*	63.9	103.2	19 800	67.4	104.1	18 200										32.0
34.0	55.2	99.6	13 700*	57.8	100.8	16 600*	61.5	102.2	18 500	65.0	103.2	16 900										34.0
36.0	52.5	98.1	12 800*	55.1	99.4	15 500*	58.9	101.0	17 300	62.5	102.2	15 800										36.0
38.0	49.6	96.5	11 900*	52.3	98.0	14 400*	56.3	99.7	16 100	60.0	101.1	14 700										38.0
40.0	46.6	94.7	11 100*	49.5	96.3	13 500*	53.5	98.3	15 100	57.4	99.8	13 800										40.0
42.0	43.5	92.7	10 400*	46.5	94.5	12 500*	50.7	96.7	14 200	54.7	98.5	12 900	60.8	100.3	10 800							42.0
44.0	40.1	90.4	9 700*	43.3	92.4	11 700*	47.8	95.0	13 400	51.9	96.9	12 100	58.2	99.1	10 100							44.0
46.0	36.5	87.8	9 100*	40.0	90.2	11 000*	44.7	93.0	12 600	49.0	95.3	11 400	55.6	97.8	9 500							46.0
48.0	32.6	84.9	8 600*	36.4	87.6	10 300*	41.4	90.8	11 900	46.0	93.4	10 800	52.8	96.4	8 900							48.0
50.0	28.1	81.4	8 200*	32.4	84.6	9 700*	37.9	88.4	11 300	42.8	91.3	10 100	50.0	94.7	8 300	56.3	96.7	6 600				50.0
52.0	22.9	77.1	7 900*	27.9	81.1	9 200*	34.1	85.6	10 700	39.4	89.0	9 600	47.0	92.9	7 800	53.6	95.3	6 100				52.0
54.0	16.2	71.3	7 700*	22.7	76.8	8 800*	29.9	82.4	10 100	35.8	86.4	9 000	43.9	90.9	7 300	50.8	93.7	5 700				54.0
56.0				15.8	70.9	8 500*	25.0	78.4	9 600	31.7	83.3	8 600	40.6	88.7	6 900	47.8	92.0	5 300				56.0
58.0							19.0	73.4	9 000*	27.2	79.7	8 100	37.0	86.2	6 500	44.8	90.0	4 900	51.4	92.1	3 500	58.0
60.0										21.7	75.2	7 700	33.1	83.3	6 100	41.5	87.8	4 600	48.4	90.4	3 200	60.0
62.0										14.5	69.0	7 400	28.8	79.9	5 700	38.0	85.4	4 200	45.4	88.5	2 900	62.0
64.0													23.7	75.7	5 400	34.2	82.6	3 900	42.2	86.4	2 600	64.0
66.0													17.2	70.3	5 100	30.0	79.4	3 700	38.7	84.0	2 300	66.0
68.0																25.2	75.5	3 400	35.0	81.3	2 100	68.0
70.0																19.2	70.5	3 200	30.9	78.2	1 900	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

54.9m (180 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.5	110.3	17 700*																18.3
20.0	73.6	109.8	17 400*																20.0
22.0	71.4	109.2	17 000*																22.0
24.0	69.2	108.4	16 500*	71.3	109.0	20 000*													24.0
26.0	66.9	107.6	16 100*	69.1	108.3	19 800*													26.0
28.0	64.6	106.7	15 500*	66.8	107.4	19 200*	70.0	108.3	19 500*										28.0
30.0	62.3	105.7	15 200*	64.5	106.5	18 100*	67.8	107.5	19 500*										30.0
32.0	59.9	104.5	14 300*	62.2	105.5	17 100*	65.5	106.6	19 300										32.0
34.0	57.4	103.3	13 300*	59.8	104.4	16 000*	63.2	105.6	18 000	66.5	106.5	16 400							34.0
36.0	54.9	101.9	12 400*	57.3	103.1	15 000*	60.8	104.6	16 800	64.2	105.6	15 300							36.0
38.0	52.3	100.4	11 600*	54.8	101.8	14 100*	58.4	103.4	15 600	61.8	104.6	14 200							38.0
40.0	49.6	98.8	10 800*	52.2	100.3	13 200*	55.9	102.0	14 700	59.4	103.4	13 300							40.0
42.0	46.8	97.0	10 100*	49.5	98.6	12 300*	53.3	100.6	13 800	56.9	102.2	12 500							42.0
44.0	43.8	95.0	9 500*	46.6	96.8	11 500*	50.6	99.0	12 900	54.4	100.8	11 700	60.2	102.7	9 600				44.0
46.0	40.7	92.7	8 900*	43.7	94.8	10 800*	47.9	97.3	12 200	51.8	99.2	11 000	57.7	101.5	9 000				46.0
48.0	37.3	90.2	8 400*	40.5	92.5	10 100*	44.9	95.3	11 500	49.0	97.6	10 300	55.2	100.1	8 400				48.0
50.0	33.7	87.4	7 900*	37.2	90.0	9 500*	41.9	93.2	10 800	46.2	95.7	9 700	52.6	98.7	7 900				50.0
52.0	29.6	84.1	7 500*	33.5	87.1	9 000*	38.6	90.8	10 200	43.2	93.7	9 100	49.9	97.0	7 300	55.9	99.0	5 700	52.0
54.0	25.0	80.2	7 200*	29.5	83.8	8 500*	35.1	88.1	9 700	40.0	91.4	8 600	47.1	95.2	6 900	53.3	97.6	5 200	54.0
56.0	19.4	75.2	7 000*	24.8	79.8	8 100*	31.2	85.0	9 200	36.6	88.8	8 100	44.2	93.3	6 400	50.7	96.0	4 800	56.0
58.0				19.1	74.8	7 800*	26.9	81.3	8 700*	32.9	85.9	7 700	41.1	91.1	6 000	47.9	94.3	4 500	58.0
60.0							21.7	76.8	8 100*	28.8	82.5	7 300	37.8	88.6	5 700	45.0	92.3	4 100	60.0
62.0							14.9	70.6	7 700*	24.0	78.4	6 900	34.2	85.8	5 300	42.0	90.2	3 800	62.0
64.0										18.1	73.1	6 500	30.2	82.6	5 000	38.7	87.8	3 500	64.0
66.0													25.7	78.7	4 600	35.2	85.1	3 200	66.0
68.0													20.2	73.9	4 400	31.3	82.0	3 000	68.0
70.0													12.7	67.0	4 100	27.0	78.4	2 700	70.0
72.0																21.9	73.9	2 500	72.0
74.0																15.1	67.7	2 300	74.0



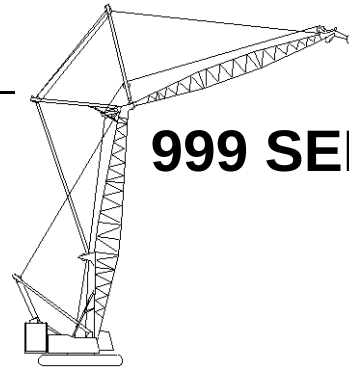
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

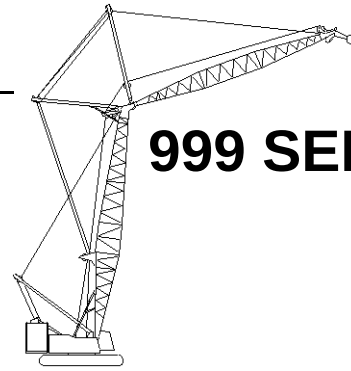
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.7	113.0	16 200*																19.8
20.0	74.5	113.0	16 200*																20.0
22.0	72.4	112.4	15 900*																22.0
24.0	70.3	111.7	15 500*	72.3	112.2	18 500*													24.0
26.0	68.2	110.9	15 100*	70.2	111.5	18 400*													26.0
28.0	66.0	110.1	14 700*	68.1	110.8	18 100*													28.0
30.0	63.9	109.1	14 400*	65.9	109.9	17 300*	69.0	110.8	18 000*										30.0
32.0	61.6	108.1	13 800*	63.8	108.9	16 400*	66.9	110.0	17 900*										32.0
34.0	59.3	106.9	12 900*	61.5	107.9	15 500*	64.7	109.0	17 700										34.0
36.0	57.0	105.6	12 100*	59.2	106.7	14 600*	62.5	108.0	16 500	65.6	109.0	15 000							36.0
38.0	54.6	104.3	11 300*	56.9	105.5	13 700*	60.2	106.9	15 400	63.4	108.0	14 000							38.0
40.0	52.1	102.8	10 600*	54.5	104.1	12 900*	57.9	105.7	14 400	61.2	106.9	13 000							40.0
42.0	49.5	101.1	9 900*	52.0	102.6	12 100*	55.5	104.4	13 500	58.9	105.8	12 200							42.0
44.0	46.9	99.3	9 300*	49.4	100.9	11 300*	53.1	102.9	12 700	56.5	104.5	11 400							44.0
46.0	44.1	97.3	8 700*	46.8	99.1	10 600*	50.5	101.3	11 900	54.1	103.1	10 700	59.6	105.1	8 800				46.0
48.0	41.1	95.1	8 200*	44.0	97.1	10 000*	47.9	99.6	11 200	51.6	101.5	10 000	57.3	103.8	8 200				48.0
50.0	38.0	92.6	7 800*	41.0	94.9	9 300*	45.2	97.6	10 600	49.0	99.9	9 500	54.9	102.5	7 600				50.0
52.0	34.6	89.9	7 400*	37.9	92.4	8 800*	42.3	95.5	10 000	46.3	98.0	8 900	52.4	101.0	7 100				52.0
54.0	30.9	86.7	7 000*	34.5	89.6	8 300*	39.2	93.2	9 400	43.5	96.0	8 400	49.9	99.3	6 600	55.6	101.4	5 000	54.0
56.0	26.8	83.0	6 700*	30.8	86.5	8 000*	36.0	90.5	8 900	40.5	93.7	7 900	47.2	97.5	6 200	53.1	99.9	4 600	56.0
58.0	21.9	78.5	6 400*	26.6	82.7	7 500*	32.4	87.6	8 500	37.4	91.2	7 400	44.5	95.6	5 800	50.6	98.3	4 200	58.0
60.0	15.6	72.5	6 300*	21.7	78.2	7 200*	28.4	84.1	8 000*	33.9	88.4	7 000	41.5	93.4	5 400	48.0	96.6	3 900	60.0
62.0				15.3	72.1	7 000*	23.9	80.0	7 500*	30.2	85.1	6 600	38.4	91.0	5 100	45.2	94.6	3 600	62.0
64.0							18.3	74.7	7 000*	25.9	81.3	6 300	35.1	88.3	4 800	42.3	92.5	3 300	64.0
66.0										20.8	76.6	6 000	31.4	85.2	4 400	39.3	90.2	3 000	66.0
68.0										14.1	70.1	5 700	27.4	81.6	4 100	36.0	87.5	2 800	68.0
70.0													22.6	77.2	3 900	32.5	84.6	2 500	70.0
72.0													16.6	71.5	3 600	28.5	81.1	2 300	72.0
74.0																24.0	77.0	2 100	74.0
76.0																18.4	71.7	1 900	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

54.9m (180 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.5	116.2	15 000*																19.8
20.0	75.3	116.1	15 000*																20.0
22.0	73.3	115.6	14 800*																22.0
24.0	71.3	114.9	14 400*																24.0
26.0	69.3	114.2	14 100*	71.3	114.8	17 000*													26.0
28.0	67.3	113.4	13 800*	69.3	114.0	16 800*													28.0
30.0	65.3	112.5	13 500*	67.2	113.2	16 400*													30.0
32.0	63.2	111.5	13 200*	65.2	112.3	15 700*	68.1	113.3	16 400*										32.0
34.0	61.0	110.4	12 500*	63.1	111.3	14 900*	66.0	112.4	16 400*										34.0
36.0	58.8	109.3	11 700*	60.9	110.3	14 100*	64.0	111.5	16 000	66.9	112.3	14 500							36.0
38.0	56.6	108.0	11 000*	58.7	109.1	13 300*	61.8	110.4	14 900	64.8	111.4	13 500							38.0
40.0	54.3	106.6	10 300*	56.5	107.8	12 500*	59.7	109.3	13 900	62.7	110.4	12 600							40.0
42.0	52.0	105.1	9 700*	54.2	106.4	11 800*	57.5	108.0	13 100	60.6	109.3	11 700							42.0
44.0	49.5	103.4	9 100*	51.9	104.9	11 000*	55.2	106.7	12 200	58.4	108.1	11 000							44.0
46.0	47.0	101.6	8 500*	49.4	103.2	10 400*	52.9	105.2	11 500	56.2	106.8	10 300	61.3	108.6	8 300				46.0
48.0	44.3	99.6	8 000*	46.9	101.4	9 800*	50.5	103.6	10 800	53.9	105.4	9 600	59.1	107.4	7 700				48.0
50.0	41.6	97.4	7 500*	44.2	99.4	9 200*	48.0	101.9	10 200	51.5	103.8	9 000	56.9	106.2	7 200				50.0
52.0	38.6	95.0	7 200*	41.4	97.2	8 700*	45.4	100.0	9 600	49.0	102.2	8 500	54.6	104.8	6 700				52.0
54.0	35.5	92.3	6 800*	38.5	94.8	8 200*	42.6	97.9	9 000	46.5	100.3	8 000	52.3	103.3	6 200				54.0
56.0	32.1	89.3	6 500*	35.3	92.1	7 700*	39.8	95.5	8 500	43.8	98.3	7 500	49.8	101.6	5 800	55.3	103.7	4 200	56.0
58.0	28.3	85.8	6 200*	31.9	89.0	7 300*	36.7	93.0	8 000	41.0	96.1	7 000	47.3	99.9	5 400	52.9	102.2	3 800	58.0
60.0	23.9	81.7	5 900*	28.1	85.5	7 000*	33.4	90.1	7 600	38.0	93.6	6 600	44.7	97.9	5 000	50.5	100.6	3 500	60.0
62.0	18.7	76.4	5 800*	23.7	81.3	6 700*	29.8	86.8	7 200	34.8	90.9	6 200	41.9	95.7	4 700	48.0	98.9	3 200	62.0
64.0	11.2	68.7	5 500*	18.4	76.0	6 400*	25.7	82.9	6 700*	31.3	87.8	5 800	39.0	93.4	4 300	45.4	97.0	2 900	64.0
66.0							20.8	78.2	6 300*	27.5	84.2	5 500	35.9	90.7	4 000	42.7	94.9	2 600	66.0
68.0							14.5	71.8	5 900*	23.0	79.8	5 200	32.5	87.7	3 700	39.8	92.5	2 300	68.0
70.0										17.4	74.3	4 900	28.8	84.3	3 500	36.8	90.0	2 100	70.0
72.0													24.5	80.3	3 200	33.5	87.1	1 900	72.0
74.0													19.4	75.2	3 000				74.0
76.0													12.4	68.0	2 800				76.0



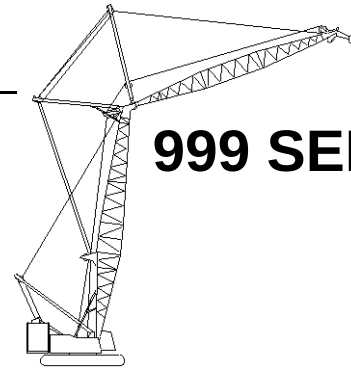
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

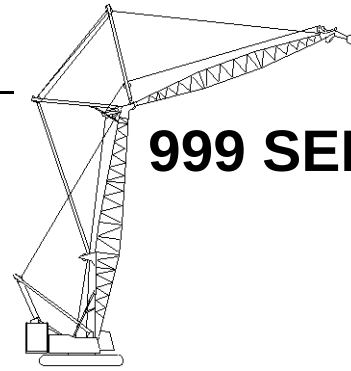
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.8	118.9	13 800*													21.3
22.0	74.1	118.8	13 700*													22.0
24.0	72.3	118.1	13 500*													24.0
26.0	70.4	117.4	13 200*	72.2	118.0	15 600*										26.0
28.0	68.5	116.7	12 900*	70.3	117.3	15 500*										28.0
30.0	66.5	115.8	12 600*	68.4	116.5	15 400*										30.0
32.0	64.5	114.9	12 300*	66.4	115.7	15 000*	69.2	116.5	15 100*							32.0
34.0	62.5	113.9	11 900*	64.4	114.7	14 300*	67.3	115.7	15 000*							34.0
36.0	60.5	112.8	11 400*	62.4	113.7	13 500*	65.3	114.8	15 000*							36.0
38.0	58.4	111.6	10 700*	60.4	112.6	12 800*	63.3	113.9	14 500	66.1	114.8	13 100				38.0
40.0	56.3	110.3	10 000*	58.3	111.4	12 200*	61.3	112.8	13 600	64.1	113.8	12 200				40.0
42.0	54.1	108.9	9 400*	56.2	110.1	11 500*	59.2	111.6	12 700	62.1	112.8	11 400				42.0
44.0	51.8	107.4	8 900*	54.0	108.7	10 800*	57.1	110.4	11 900	60.1	111.7	10 600				44.0
46.0	49.5	105.7	8 400*	51.7	107.2	10 200*	54.9	109.0	11 100	58.0	110.5	9 900				46.0
48.0	47.1	103.9	7 900*	49.4	105.5	9 600*	52.7	107.5	10 400	55.8	109.1	9 200	60.8	111.0	7 400	48.0
50.0	44.6	101.9	7 400*	47.0	103.7	9 100*	50.4	105.9	9 800	53.6	107.7	8 700	58.7	109.8	6 800	50.0
52.0	41.9	99.8	7 000*	44.5	101.7	8 500*	48.0	104.2	9 200	51.4	106.1	8 100	56.5	108.5	6 300	52.0
54.0	39.2	97.4	6 600*	41.8	99.6	8 000*	45.5	102.3	8 700	49.0	104.5	7 600	54.4	107.1	5 900	54.0
56.0	36.2	94.8	6 300*	39.0	97.2	7 600*	43.0	100.2	8 200	46.6	102.6	7 100	52.1	105.6	5 400	56.0
58.0	33.0	91.9	6 000*	36.1	94.5	7 200*	40.2	97.9	7 700	44.1	100.6	6 700	49.8	103.9	5 100	58.0
60.0	29.6	88.5	5 700*	32.9	91.6	6 800*	37.4	95.4	7 300	41.4	98.4	6 300	47.4	102.2	4 700	60.0
62.0	25.6	84.6	5 500*	29.4	88.2	6 600*	34.3	92.6	6 900	38.6	96.0	5 900	44.9	100.2	4 300	62.0
64.0	21.1	79.9	5 300*	25.5	84.3	6 100*	30.9	89.4	6 400	35.6	93.3	5 500	42.3	98.1	4 000	64.0
66.0	15.2	73.7	4 900*	20.8	79.6	5 700*	27.2	85.8	6 000*	32.4	90.3	5 200	39.5	95.7	3 700	66.0
68.0				14.9	73.2	5 300*	22.9	81.4	5 600*	28.8	86.9	4 800	36.6	93.2	3 400	68.0
70.0							17.7	75.9	5 200*	24.8	82.9	4 500	33.5	90.3	3 100	70.0
72.0										20.0	77.9	4 300	30.0	87.0	2 800	72.0
74.0										13.7	71.2	4 100	26.2	83.2	2 600	74.0
76.0													21.7	78.6	2 400	76.0
78.0													16.1	72.6	2 200	78.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	75.5	122.1	12 700*													21.3
22.0	74.9	121.9	12 700*													22.0
24.0	73.1	121.3	12 500*													24.0
26.0	71.3	120.7	12 300*	73.0	121.2	14 400*										26.0
28.0	69.5	120.0	12 000*	71.2	120.5	14 200*										28.0
30.0	67.6	119.2	11 800*	69.4	119.8	14 100*										30.0
32.0	65.8	118.3	11 600*	67.6	119.0	14 000*	70.2	119.8	13 700*							32.0
34.0	63.9	117.3	11 300*	65.7	118.1	13 600*	68.3	119.0	13 700*							34.0
36.0	62.0	116.3	11 000*	63.8	117.2	13 000*	66.5	118.2	13 700*							36.0
38.0	60.0	115.2	10 300*	61.9	116.1	12 300*	64.6	117.3	13 600*							38.0
40.0	58.0	113.9	9 700*	59.9	115.0	11 700*	62.7	116.3	13 200	65.4	117.2	11 700				40.0
42.0	55.9	112.6	9 200*	57.9	113.8	11 100*	60.7	115.2	12 200	63.5	116.2	10 900				42.0
44.0	53.8	111.2	8 600*	55.9	112.4	10 500*	58.8	114.0	11 500	61.6	115.2	10 100				44.0
46.0	51.7	109.7	8 100*	53.8	111.0	9 900*	56.7	112.7	10 700	59.6	114.0	9 500				46.0
48.0	49.5	108.0	7 700*	51.6	109.5	9 400*	54.7	111.3	10 000	57.6	112.8	8 800	62.2	114.4	6 900	48.0
50.0	47.2	106.2	7 200*	49.4	107.8	8 800*	52.5	109.8	9 400	55.5	111.5	8 200	60.3	113.3	6 400	50.0
52.0	44.8	104.2	6 900*	47.1	106.0	8 300*	50.3	108.2	8 800	53.4	110.0	7 700	58.3	112.1	5 900	52.0
54.0	42.3	102.1	6 400*	44.7	104.0	7 900*	48.1	106.5	8 300	51.3	108.5	7 200	56.2	110.8	5 400	54.0
56.0	39.7	99.8	6 100*	42.2	101.9	7 500*	45.7	104.6	7 800	49.0	106.8	6 700	54.1	109.4	5 000	56.0
58.0	36.9	97.2	5 800*	39.5	99.6	7 100*	43.3	102.5	7 300	46.7	104.9	6 300	52.0	107.9	4 600	58.0
60.0	33.9	94.4	5 600*	36.7	97.0	6 700*	40.7	100.3	6 900	44.3	102.9	5 900	49.8	106.2	4 200	60.0
62.0	30.7	91.2	5 300*	33.8	94.1	6 300*	38.0	97.8	6 400	41.8	100.8	5 500	47.5	104.5	3 900	62.0
64.0	27.1	87.5	5 000*	30.5	90.9	5 800*	35.1	95.1	6 100	39.1	98.4	5 100	45.1	102.5	3 600	64.0
66.0	23.0	83.1	4 600*	26.9	87.2	5 400*	31.9	92.0	5 700	36.3	95.8	4 800	42.6	100.4	3 300	66.0
68.0	18.1	77.7	4 300*	22.8	82.8	5 000*	28.5	88.5	5 300*	33.3	92.9	4 400	40.0	98.1	3 000	68.0
70.0	11.1	69.8	3 900*	17.8	77.3	4 700*	24.7	84.5	4 900*	30.0	89.6	4 100	37.3	95.6	2 700	70.0
72.0							20.1	79.5	4 600*	26.3	85.8	3 900	34.3	92.8	2 400	72.0
74.0							14.2	72.9	4 300*	22.1	81.3	3 600	31.1	89.6	2 200	74.0
76.0										16.9	75.5	3 400	27.6	86.0	2 000	76.0

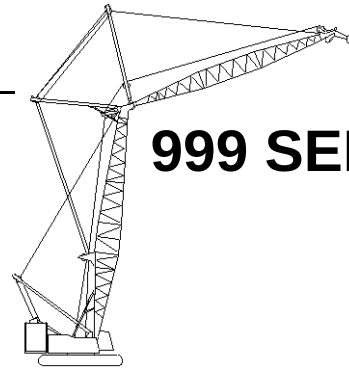


Liftcrane Luffing Jib Capacities

999 SERIES 3

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



54.9m (180 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

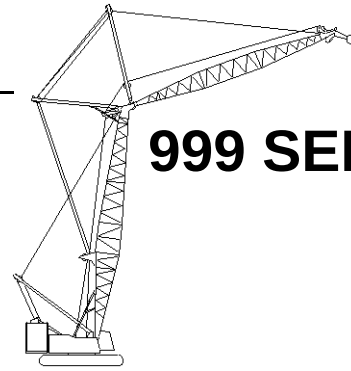
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	74.8	124.8	11 700*										22.9
24.0	73.9	124.5	11 600*										24.0
26.0	72.1	123.9	11 400*	73.8	124.4	13 600*							26.0
28.0	70.4	123.2	11 200*	72.1	123.7	13 400*							28.0
30.0	68.7	122.4	10 900*	70.3	123.0	13 300*							30.0
32.0	66.9	121.6	10 700*	68.6	122.3	13 000*							32.0
34.0	65.1	120.7	10 500*	66.8	121.5	12 400*	69.3	122.3	13 100*				34.0
36.0	63.3	119.7	10 000*	65.0	120.5	11 800*	67.6	121.5	13 000*				36.0
38.0	61.4	118.7	9 500*	63.2	119.6	11 300*	65.8	120.6	12 900*				38.0
40.0	59.5	117.5	8 900*	61.3	118.5	10 700*	64.0	119.7	12 800	66.5	120.5	11 400	40.0
42.0	57.6	116.3	8 400*	59.5	117.3	10 200*	62.1	118.7	11 900	64.7	119.6	10 600	42.0
44.0	55.7	115.0	7 900*	57.5	116.1	9 600*	60.3	117.5	11 100	62.9	118.6	9 900	44.0
46.0	53.6	113.5	7 500*	55.6	114.8	9 100*	58.4	116.3	10 400	61.1	117.6	9 200	46.0
48.0	51.6	112.0	7 000*	53.6	113.3	8 600*	56.4	115.0	9 700	59.2	116.4	8 500	48.0
50.0	49.4	110.3	6 700*	51.5	111.8	8 100*	54.4	113.6	9 100	57.2	115.1	8 000	50.0
52.0	47.2	108.5	6 300*	49.4	110.1	7 700*	52.4	112.1	8 500	55.3	113.8	7 400	52.0
54.0	45.0	106.6	6 000*	47.2	108.3	7 300*	50.3	110.5	8 000	53.2	112.3	6 900	54.0
56.0	42.6	104.4	5 600*	44.9	106.3	6 900*	48.1	108.8	7 500	51.2	110.8	6 400	56.0
58.0	40.1	102.1	5 300*	42.5	104.2	6 500*	45.9	106.9	7 000	49.0	109.1	6 000	58.0
60.0	37.5	99.6	5 100*	40.0	101.9	6 200*	43.5	104.8	6 600	46.8	107.2	5 600	60.0
62.0	34.7	96.9	4 900*	37.4	99.4	5 900*	41.1	102.6	6 200	44.5	105.3	5 200	62.0
64.0	31.7	93.8	4 600*	34.5	96.6	5 600*	38.5	100.2	5 800	42.1	103.1	4 900	64.0
66.0	28.4	90.2	4 400*	31.5	93.5	5 200*	35.8	97.5	5 400	39.6	100.8	4 500	66.0
68.0	24.7	86.2	4 000*	28.2	90.0	4 800*	32.8	94.6	5 100	36.9	98.2	4 200	68.0
70.0	20.3	81.3	3 700*	24.5	85.9	4 500*	29.7	91.2	4 700*	34.1	95.4	3 900	70.0
72.0	14.8	74.8	3 400*	20.1	80.9	4 100*	26.1	87.4	4 300*	31.0	92.2	3 600	72.0
74.0				14.5	74.4	3 700*	22.1	82.8	4 000*	27.7	88.6	3 300	74.0
76.0							17.1	77.1	3 700*	23.9	84.4	3 100	76.0
78.0										19.4	79.3	2 900	78.0
80.0										13.4	72.3	2 700	80.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



999 SERIES 3

54.9m (180 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	75.5	128.0	10 700*										22.9
24.0	74.5	127.7	10 600*										24.0
26.0	72.9	127.1	10 500*										26.0
28.0	71.3	126.4	10 300*	72.8	126.9	12 200*							28.0
30.0	69.6	125.7	10 100*	71.2	126.3	12 000*							30.0
32.0	67.9	124.9	9 900*	69.5	125.6	11 900*							32.0
34.0	66.2	124.1	9 700*	67.8	124.8	11 700*	70.2	125.6	11 700*				34.0
36.0	64.5	123.1	9 500*	66.1	123.9	11 300*	68.6	124.8	11 700*				36.0
38.0	62.7	122.1	9 100*	64.4	123.0	10 800*	66.9	124.0	11 700*				38.0
40.0	60.9	121.0	8 600*	62.6	122.0	10 200*	65.1	123.1	11 500*	67.6	123.9	11 000	40.0
42.0	59.1	119.9	8 100*	60.9	120.9	9 800*	63.4	122.1	11 400	65.9	123.0	10 100	42.0
44.0	57.3	118.6	7 700*	59.0	119.7	9 300*	61.6	121.0	10 700	64.1	122.0	9 400	44.0
46.0	55.4	117.3	7 300*	57.2	118.4	8 800*	59.8	119.9	10 000	62.4	121.0	8 700	46.0
48.0	53.5	115.8	6 900*	55.3	117.1	8 400*	58.0	118.7	9 300	60.6	119.9	8 100	48.0
50.0	51.5	114.3	6 500*	53.4	115.6	7 900*	56.1	117.4	8 700	58.8	118.7	7 600	50.0
52.0	49.4	112.6	6 100*	51.4	114.1	7 500*	54.2	116.0	8 100	56.9	117.5	7 000	52.0
54.0	47.3	110.8	5 800*	49.3	112.4	7 100*	52.2	114.4	7 600	55.0	116.1	6 500	54.0
56.0	45.1	108.9	5 500*	47.2	110.6	6 700*	50.2	112.8	7 100	53.1	114.6	6 000	56.0
58.0	42.9	106.8	5 200*	45.0	108.7	6 400*	48.1	111.1	6 600	51.1	113.1	5 600	58.0
60.0	40.5	104.5	5 000*	42.8	106.6	6 100*	46.0	109.2	6 200	49.0	111.4	5 200	60.0
62.0	38.0	102.0	4 700*	40.4	104.3	5 800*	43.8	107.2	5 800	46.9	109.5	4 800	62.0
64.0	35.4	99.3	4 500*	37.9	101.8	5 300*	41.4	105.0	5 400	44.7	107.6	4 400	64.0
66.0	32.5	96.3	4 100*	35.3	99.1	4 900*	39.0	102.6	5 000	42.4	105.4	4 100	66.0
68.0	29.5	92.9	3 800*	32.4	96.0	4 500*	36.4	100.0	4 700	40.0	103.1	3 800	68.0
70.0	26.1	89.1	3 400*	29.3	92.7	4 100*	33.7	97.1	4 400	37.5	100.6	3 500	70.0
72.0	22.2	84.6	3 100*	25.9	88.8	3 800*	30.7	93.9	4 000*	34.8	97.9	3 200	72.0
74.0	17.5	78.9	2 800*	22.0	84.2	3 500*	27.4	90.2	3 700*	32.0	94.8	3 000	74.0
76.0	11.0	70.9	2 400*	17.3	78.5	3 200*	23.8	86.0	3 400*	28.8	91.3	2 700	76.0
78.0							19.4	80.8	3 100*	25.4	87.4	2 500	78.0
80.0							13.9	74.0	2 900*	21.4	82.7	2 300	80.0
82.0										16.4	76.7	2 100	82.0



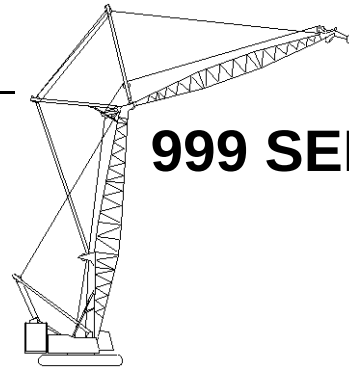
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

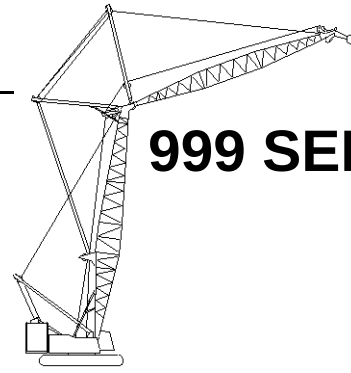
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



57.9m (190 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	60.0	78.6	35 700*b																			15.2
16.0	57.6	78.1	35 200*b																			16.0
18.0	50.9	76.6	33 800*	57.6	78.0	40 800*b																18.0
20.0	43.4	74.7	31 200*	50.9	76.5	37 100*b	60.8	78.3	38 300b													20.0
22.0	34.7	72.2	28 400*	43.5	74.6	33 600*	54.4	77.0	34 800b													22.0
24.0	23.2	68.4	26 500*	34.8	72.1	30 300*	47.4	75.3	31 900	57.7	77.2	29 800b										24.0
26.0				23.3	68.3	27 500*	39.4	73.1	29 500	51.0	75.7	27 300b										26.0
28.0							29.6	70.1	27 300	43.5	73.8	25 300	60.6	76.6	22 300b							28.0
30.0							14.7	64.9	25 100*	34.8	71.3	23 500	54.1	75.3	20 600b							30.0
32.0										23.4	67.5	22 000	47.1	73.6	19 100							32.0
34.0													39.0	71.4	17 900							34.0
36.0													29.2	68.3	16 800	50.0	72.8	14 400				36.0
38.0													13.7	62.9	15 800	42.4	70.8	13 500				38.0
40.0																33.4	68.1	12 600				40.0
42.0																21.3	64.0	11 900	44.9	69.5	9 900	42.0
44.0																			36.5	67.1	9 300	44.0
46.0																			25.8	63.6	8 700	46.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

57.9m (190 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	64.1	82.1	33 600*b																			15.2
16.0	62.1	81.7	33 000*b																			16.0
18.0	56.5	80.5	31 700*	62.1	81.6	38 800*b																18.0
20.0	50.6	78.9	30 100*	56.6	80.3	35 700*	64.8	81.8	37 400b													20.0
22.0	44.2	77.0	27 200*	50.7	78.8	32 500*	59.4	80.7	34 000b													22.0
24.0	36.8	74.6	24 800*	44.2	76.9	29 500*	53.7	79.3	31 200	62.1	80.8	29 000b										24.0
26.0	27.7	71.3	23 000*	36.8	74.5	26 800*	47.6	77.6	28 700	56.6	79.5	26 700										26.0
28.0				27.8	71.2	24 600*	40.7	75.5	26 600	50.7	78.0	24 600										28.0
30.0				14.0	65.7	22 500*	32.7	72.7	24 700	44.2	76.1	22 900	59.2	79.0	20 000							30.0
32.0							22.1	68.7	22 800*	36.9	73.7	21 300	53.5	77.6	18 500							32.0
34.0										27.8	70.4	20 000	47.3	75.9	17 300							34.0
36.0										14.1	65.0	18 800	40.4	73.7	16 100							36.0
38.0													32.3	70.9	15 100	49.8	75.1	12 900				38.0
40.0													21.5	66.8	14 300	43.3	73.1	12 000				40.0
42.0																35.7	70.6	11 300				42.0
44.0																26.4	67.1	10 600	45.5	71.8	8 700	44.0
46.0																			38.3	69.5	8 200	46.0
48.0																			29.7	66.4	7 700	48.0
50.0																			17.5	61.6	7 200	50.0



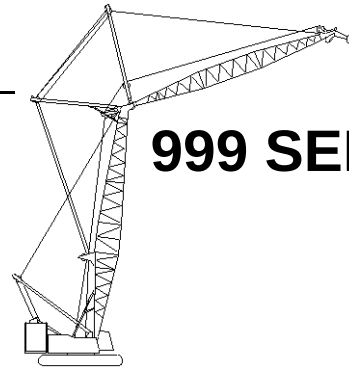
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

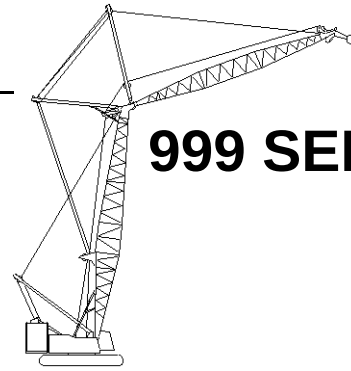
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



57.9m (190 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	67.2	85.5	31 600*b																			15.2
16.0	65.4	85.1	31 000*b																			16.0
18.0	60.7	84.1	29 700*	65.5	85.0	36 600*b																18.0
20.0	55.7	82.8	28 600*	60.7	83.9	34 400*	67.8	85.1	36 700b													20.0
22.0	50.5	81.2	26 300*	55.8	82.7	31 300*	63.2	84.2	33 400b													22.0
24.0	44.7	79.4	23 800*	50.5	81.1	28 500*	58.3	83.0	30 600													24.0
26.0	38.3	77.0	21 800*	44.8	79.2	26 000*	53.2	81.6	28 200	60.8	83.1	26 100										26.0
28.0	30.8	74.0	20 100*	38.4	76.9	23 700*	47.7	79.9	26 000	55.8	81.9	24 100										28.0
30.0	20.9	69.8	19 000*	30.9	73.9	21 800*	41.7	77.8	24 200	50.5	80.3	22 300										30.0
32.0				21.0	69.7	20 500*	34.8	75.2	22 500	44.8	78.4	20 800	58.1	81.3	18 100							32.0
34.0							26.4	71.7	20 800*	38.4	76.1	19 500	53.0	79.9	16 800							34.0
36.0							13.8	66.0	19 300*	30.9	73.1	18 300	47.5	78.2	15 700							36.0
38.0										21.0	68.9	17 200	41.4	76.1	14 700							38.0
40.0													34.5	73.5	13 800	49.8	77.4	11 600				40.0
42.0													26.0	69.9	13 000	43.9	75.4	10 900				42.0
44.0													12.9	64.0	12 300	37.4	73.0	10 200				44.0
46.0																29.7	69.9	9 600	45.9	74.1	7 800	46.0
48.0																19.3	65.4	9 100	39.6	71.9	7 300	48.0
50.0																			32.4	69.0	6 800	50.0
52.0																			23.1	65.1	6 400	52.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

57.9m (190 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	69.6	88.8	29 500*b																			15.2
16.0	68.0	88.5	29 000*b																			16.0
18.0	63.9	87.5	27 700*	68.1	88.3	34 300*b																18.0
20.0	59.6	86.4	26 700*	63.9	87.4	32 900*	70.1	88.4	34 900b													20.0
22.0	55.1	85.1	25 400*	59.6	86.3	30 100*	66.0	87.6	33 000b													22.0
24.0	50.3	83.5	23 000*	55.1	85.0	27 600*	61.8	86.6	30 100													24.0
26.0	45.2	81.7	21 000*	50.4	83.4	25 200*	57.4	85.4	27 700	63.9	86.6	25 700										26.0
28.0	39.5	79.4	19 200*	45.2	81.6	23 000*	52.8	83.9	25 700	59.6	85.5	23 700										28.0
30.0	33.0	76.6	17 800*	39.6	79.3	21 100*	47.9	82.2	23 800	55.1	84.2	22 000										30.0
32.0	25.1	72.9	16 600*	33.1	76.5	19 400*	42.5	80.2	22 200	50.4	82.6	20 500	61.6	84.9	17 700							32.0
34.0				25.2	72.8	18 100*	36.5	77.7	20 800	45.2	80.8	19 100	57.2	83.7	16 500							34.0
36.0				13.3	66.8	17 300*	29.4	74.5	19 200*	39.6	78.5	17 900	52.6	82.2	15 400							36.0
38.0							20.2	70.0	17 800*	33.1	75.7	16 800	47.6	80.5	14 400							38.0
40.0										25.2	72.0	15 900	42.3	78.5	13 500	54.5	81.3	11 300				40.0
42.0										13.4	66.1	15 100	36.2	75.9	12 700	49.7	79.7	10 600				42.0
44.0													29.1	72.7	12 000	44.5	77.7	9 900				44.0
46.0													19.7	68.2	11 300	38.7	75.4	9 300	51.3	78.2	7 500	46.0
48.0																32.1	72.5	8 800	46.2	76.4	7 000	48.0
50.0																23.9	68.7	8 300	40.7	74.2	6 500	50.0
52.0																			34.4	71.6	6 100	52.0
54.0																			26.8	68.1	5 700	54.0
56.0																			16.2	62.8	5 400	56.0



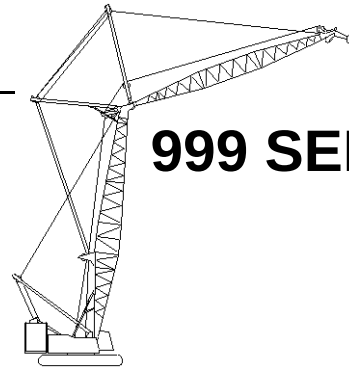
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

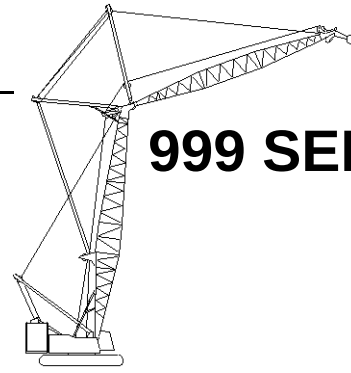
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



57.9m (190 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	71.5	92.0	27 600*b																			15.2
16.0	70.1	91.7	27 200*b																			16.0
18.0	66.4	90.9	26 400*	70.2	91.6	32 200*b																18.0
20.0	62.6	89.9	25 400*	66.5	90.8	31 200*																20.0
22.0	58.7	88.8	24 300*	62.7	89.8	29 000*	68.3	90.9	31 700b													22.0
24.0	54.5	87.4	22 300*	58.7	88.7	26 700*	64.6	90.0	29 800													24.0
26.0	50.2	85.8	20 300*	54.6	87.3	24 400*	60.7	88.9	27 300	66.5	90.0	25 300										26.0
28.0	45.5	84.0	18 600*	50.2	85.7	22 400*	56.7	87.7	25 200	62.7	89.0	23 300										28.0
30.0	40.4	81.8	17 100*	45.6	83.9	20 500*	52.5	86.2	23 500	58.7	87.8	21 600										30.0
32.0	34.8	79.1	15 800*	40.5	81.7	18 900*	48.0	84.5	21 900	54.6	86.5	20 100										32.0
34.0	28.1	75.8	14 800*	34.8	79.0	17 400*	43.1	82.5	20 500	50.2	84.9	18 800	60.6	87.2	16 200							34.0
36.0	19.3	71.1	14 100*	28.1	75.7	16 200*	37.8	80.1	19 100	45.6	83.1	17 600	56.5	86.0	15 100							36.0
38.0				19.4	71.0	15 400*	31.7	77.2	17 700*	40.5	80.9	16 600	52.3	84.5	14 100							38.0
40.0							24.2	73.3	16 500*	34.8	78.2	15 600	47.8	82.8	13 200							40.0
42.0							13.2	67.1	15 400*	28.2	74.9	14 700	42.9	80.8	12 500	54.0	83.6	10 400				42.0
44.0										19.5	70.2	13 900	37.5	78.4	11 700	49.6	82.0	9 700				44.0
46.0													31.4	75.4	11 100	44.9	80.1	9 100				46.0
48.0													23.8	71.4	10 500	39.8	77.8	8 500	51.1	80.5	6 800	48.0
50.0													12.4	65.1	9 900	34.0	75.1	8 000	46.5	78.7	6 300	50.0
52.0																27.1	71.6	7 600	41.5	76.6	5 900	52.0
54.0																17.9	66.6	7 200	35.9	74.0	5 500	54.0
56.0																			29.5	70.8	5 200	56.0
58.0																			21.3	66.5	4 800	58.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

57.9m (190 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	73.1	95.2	25 900*b																			15.2
16.0	71.8	95.0	25 500*b																			16.0
18.0	68.5	94.2	24 500*	71.9	94.8	30 100*																18.0
20.0	65.1	93.3	23 800*	68.5	94.1	29 300*																20.0
22.0	61.6	92.3	22 600*	65.1	93.2	27 800*																22.0
24.0	57.9	91.1	21 500*	61.6	92.2	25 700*	66.9	93.4	28 800													24.0
26.0	54.1	89.7	19 600*	57.9	91.0	23 700*	63.4	92.4	26 700													26.0
28.0	50.1	88.1	18 000*	54.1	89.6	21 800*	59.8	91.3	24 600	65.1	92.4	22 700										28.0
30.0	45.8	86.3	16 600*	50.1	88.0	20 000*	56.1	90.0	22 900	61.6	91.4	21 100										30.0
32.0	41.2	84.1	15 300*	45.9	86.2	18 400*	52.2	88.5	21 300	57.9	90.2	19 500										32.0
34.0	36.1	81.6	14 200*	41.3	84.0	17 000*	48.1	86.8	19 900	54.1	88.8	18 200										34.0
36.0	30.3	78.5	13 200*	36.2	81.5	15 700*	43.6	84.8	18 700	50.1	87.2	17 000	59.6	89.6	14 500							36.0
38.0	23.2	74.4	12 600*	30.4	78.4	14 600*	38.8	82.5	17 400	45.9	85.4	16 000	55.9	88.3	13 600							38.0
40.0				23.3	74.3	13 700*	33.4	79.7	16 200*	41.3	83.2	15 000	52.0	86.8	12 700							40.0
42.0				12.8	67.9	13 300*	27.1	76.2	15 100*	36.2	80.7	14 100	47.9	85.1	11 900							42.0
44.0							18.9	71.3	14 100*	30.4	77.6	13 400	43.4	83.1	11 200	53.6	85.9	9 200				44.0
46.0										23.3	73.5	12 700	38.6	80.8	10 500	49.6	84.3	8 600				46.0
48.0										12.9	67.2	12 100	33.2	77.9	9 900	45.3	82.4	8 000				48.0
50.0													26.8	74.4	9 400	40.6	80.2	7 500				50.0
52.0													18.4	69.4	8 900	35.4	77.6	7 100	46.7	81.0	5 400	52.0
54.0																29.5	74.3	6 700	42.2	78.9	5 000	54.0
56.0																22.2	70.1	6 300	37.2	76.5	4 700	56.0
58.0																			31.5	73.5	4 300	58.0
60.0																			24.8	69.6	4 100	60.0
62.0																			15.3	64.0	3 800	62.0



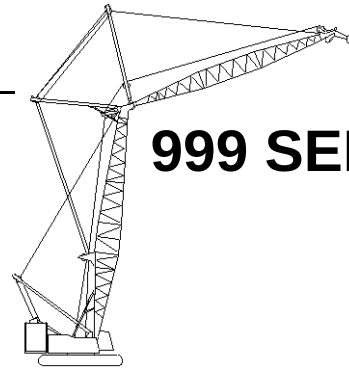
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

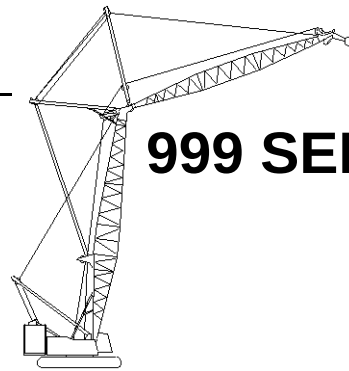
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



57.9m (190 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.4	98.4	24 200*																			15.2
16.0	73.3	98.2	23 900*																			16.0
18.0	70.2	97.5	23 200*																			18.0
20.0	67.1	96.7	22 400*	70.3	97.4	27 500*																20.0
22.0	63.9	95.8	21 300*	67.1	96.6	26 600*																22.0
24.0	60.6	94.7	20 600*	64.0	95.6	24 700*	68.7	96.7	27 300*													24.0
26.0	57.2	93.4	19 100*	60.7	94.6	22 900*	65.6	95.8	26 100													26.0
28.0	53.7	92.0	17 600*	57.3	93.3	21 200*	62.3	94.8	24 100													28.0
30.0	50.0	90.4	16 100*	53.7	91.9	19 600*	59.0	93.6	22 400	64.0	94.8	20 600										30.0
32.0	46.1	88.6	14 900*	50.0	90.3	18 000*	55.6	92.3	20 800	60.7	93.8	19 100										32.0
34.0	41.9	86.5	13 800*	46.1	88.5	16 600*	51.9	90.8	19 500	57.3	92.5	17 800										34.0
36.0	37.3	84.0	12 800*	41.9	86.4	15 400*	48.1	89.1	18 200	53.8	91.1	16 600										36.0
38.0	32.1	81.1	12 000*	37.3	83.9	14 300*	44.1	87.2	17 100	50.1	89.5	15 600	58.9	92.0	13 200							38.0
40.0	26.1	77.4	11 300*	32.2	81.0	13 200*	39.7	84.9	15 900*	46.1	87.7	14 600	55.4	90.6	12 300							40.0
42.0	18.2	72.3	10 900*	26.1	77.3	12 500*	34.9	82.2	14 800*	41.9	85.6	13 700	51.8	89.1	11 500							42.0
44.0				18.3	72.2	11 900*	29.3	78.9	13 800*	37.3	83.1	13 000	48.0	87.4	10 800							44.0
46.0							22.6	74.7	12 900*	32.2	80.2	12 200	43.9	85.4	10 200	53.2	88.2	8 200				46.0
48.0							12.7	68.2	12 100*	26.1	76.5	11 600	39.5	83.1	9 500	49.5	86.6	7 600				48.0
50.0										18.3	71.5	11 000	34.6	80.4	9 000	45.6	84.7	7 100				50.0
52.0													29.1	77.2	8 500	41.3	82.5	6 700	50.7	85.1	5 000	52.0
54.0													22.2	72.9	8 100	36.7	80.0	6 300	46.9	83.3	4 600	54.0
56.0													12.1	66.2	7 700	31.4	77.0	5 900	42.7	81.3	4 300	56.0
58.0																25.2	73.2	5 600	38.2	78.9	4 000	58.0
60.0																16.9	67.8	5 200	33.2	76.0	3 700	60.0
62.0																			27.3	72.5	3 400	62.0
64.0																			20.0	67.8	3 200	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

57.9m (190 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.6	101.6	22 600*																			15.2
16.0	74.5	101.4	22 300*																			16.0
18.0	71.7	100.7	21 700*																			18.0
20.0	68.8	100.0	20 800*	71.7	100.6	25 600*																20.0
22.0	65.9	99.1	20 400*	68.9	99.9	25 100*																22.0
24.0	62.9	98.2	19 500*	65.9	99.0	23 800*																24.0
26.0	59.9	97.0	18 600*	63.0	98.0	22 200*	67.4	99.1	25 000													26.0
28.0	56.7	95.8	17 200*	59.9	96.9	20 600*	64.5	98.2	23 600													28.0
30.0	53.4	94.4	15 800*	56.7	95.7	19 100*	61.5	97.2	21 800	66.0	98.2	20 000										30.0
32.0	49.9	92.7	14 600*	53.4	94.2	17 700*	58.3	96.0	20 300	63.0	97.2	18 500										32.0
34.0	46.3	90.9	13 500*	50.0	92.6	16 400*	55.1	94.7	18 900	59.9	96.1	17 200										34.0
36.0	42.4	88.8	12 600*	46.3	90.8	15 100*	51.7	93.1	17 700	56.7	94.9	16 100										36.0
38.0	38.2	86.4	11 700*	42.4	88.7	14 000*	48.2	91.4	16 600	53.4	93.4	15 000										38.0
40.0	33.6	83.6	10 900*	38.3	86.3	13 100*	44.5	89.5	15 500	50.0	91.8	14 100	58.2	94.3	11 800							40.0
42.0	28.3	80.2	10 300*	33.6	83.5	12 200*	40.4	87.3	14 500*	46.3	90.0	13 200	55.0	93.0	11 000							42.0
44.0	21.8	75.8	9 900*	28.3	80.1	11 400*	36.0	84.7	13 500*	42.5	87.9	12 500	51.6	91.4	10 300							44.0
46.0				21.9	75.7	10 900*	31.1	81.6	12 600*	38.3	85.5	11 700	48.0	89.7	9 600	56.3	91.9	7 700				46.0
48.0				12.5	69.0	10 500*	25.3	77.8	11 800*	33.6	82.7	11 100	44.3	87.8	9 000	53.0	90.5	7 100				48.0
50.0							17.9	72.6	11 100*	28.3	79.3	10 500	40.2	85.5	8 500	49.5	88.9	6 600				50.0
52.0										21.9	74.9	10 000	35.8	82.9	8 000	45.8	87.0	6 200				52.0
54.0										12.5	68.3	9 500	30.9	79.8	7 500	41.9	84.9	5 800	50.6	87.4	4 100	54.0
56.0													25.1	76.0	7 100	37.7	82.4	5 400	47.0	85.6	3 800	56.0
58.0													17.5	70.7	6 800	32.9	79.5	5 100	43.2	83.6	3 500	58.0
60.0																27.5	76.0	4 700	39.1	81.3	3 200	60.0
62.0																20.8	71.5	4 400	34.5	78.5	2 900	62.0
64.0																10.5	64.1	4 200	29.4	75.3	2 700	64.0
66.0																			23.2	71.1	2 400	66.0
68.0																			14.7	65.1	2 300	68.0



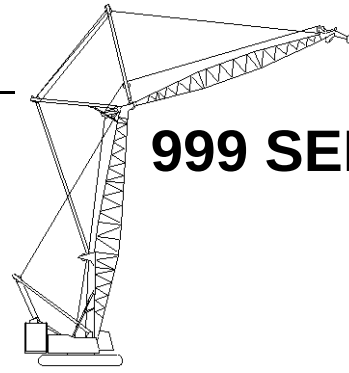
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

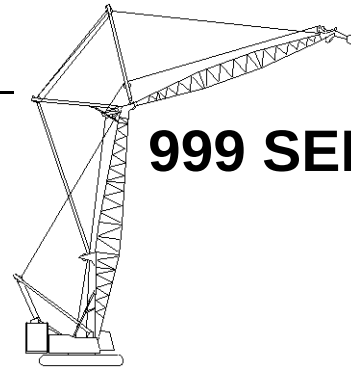
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.6	104.3	20 600*																			16.8
18.0	73.0	103.9	20 400*																			18.0
20.0	70.3	103.3	19 500*	73.0	103.8	23 900*																20.0
22.0	67.6	102.5	18 900*	70.3	103.1	23 500*																22.0
24.0	64.9	101.6	18 300*	67.6	102.3	22 700*																24.0
26.0	62.1	100.5	18 000*	64.9	101.4	21 300*	69.0	102.4	23 300*													26.0
28.0	59.2	99.4	16 700*	62.1	100.4	19 900*	66.3	101.6	23 000													28.0
30.0	56.2	98.1	15 400*	59.2	99.3	18 600*	63.5	100.6	21 900													30.0
32.0	53.1	96.7	14 300*	56.2	98.0	17 200*	60.7	99.5	20 200	64.9	100.6	18 500										32.0
34.0	49.9	95.0	13 200*	53.1	96.5	16 000*	57.7	98.3	18 900	62.1	99.6	17 300										34.0
36.0	46.5	93.2	12 300*	49.9	94.9	14 800*	54.7	97.0	17 700	59.2	98.5	16 100										36.0
38.0	42.9	91.2	11 400*	46.5	93.1	13 800*	51.6	95.4	16 600	56.2	97.2	15 100										38.0
40.0	39.0	88.8	10 700*	42.9	91.1	12 800*	48.3	93.7	15 600	53.1	95.7	14 100	60.5	97.9	11 800							40.0
42.0	34.8	86.1	10 000*	39.1	88.7	11 900*	44.8	91.8	14 700	49.9	94.1	13 300	57.6	96.6	11 100							42.0
44.0	30.1	82.9	9 400*	34.8	86.0	11 200*	41.1	89.6	13 700*	46.5	92.3	12 500	54.6	95.3	10 400							44.0
46.0	24.5	78.9	9 000*	30.1	82.8	10 500*	37.0	87.1	12 800*	42.9	90.2	11 800	51.4	93.7	9 700							46.0
48.0	17.3	73.6	8 700*	24.5	78.8	10 000*	32.6	84.2	12 000*	39.1	87.9	11 100	48.1	92.0	9 100	55.8	94.3	7 200				48.0
50.0				17.4	73.5	9 600*	27.5	80.6	11 200*	34.9	85.2	10 500	44.6	90.1	8 600	52.7	92.8	6 700				50.0
52.0							21.3	76.1	10 500*	30.1	82.0	10 000	40.9	87.9	8 100	49.4	91.2	6 300				52.0
54.0							12.4	69.3	9 900*	24.6	78.0	9 400	36.8	85.3	7 600	46.0	89.3	5 900				54.0
56.0										17.4	72.7	9 000	32.4	82.4	7 100	42.4	87.2	5 500	50.5	89.7	3 900	56.0
58.0													27.3	78.8	6 800	38.5	84.8	5 100	47.2	87.9	3 600	58.0
60.0													21.0	74.3	6 400	34.2	82.1	4 800	43.6	85.9	3 300	60.0
62.0													11.9	67.3	6 100	29.4	78.8	4 500	39.8	83.6	3 000	62.0
64.0																23.7	74.7	4 200	35.7	81.0	2 800	64.0
66.0																16.2	69.0	3 900	31.0	77.9	2 500	66.0
68.0																			25.7	74.1	2 300	68.0
70.0																			18.9	69.1	2 100	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

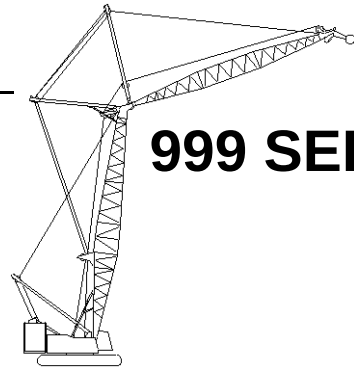
**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

57.9m (190 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.6	107.5	19 200*																			16.8
18.0	74.1	107.1	19 100*																			18.0
20.0	71.6	106.5	18 300*																			20.0
22.0	69.1	105.8	17 800*	71.6	106.4	21 900*																22.0
24.0	66.5	104.9	17 200*	69.1	105.6	21 400*																24.0
26.0	64.0	104.0	16 700*	66.6	104.8	20 400*	70.4	105.7	21 400*													26.0
28.0	61.3	102.9	16 100*	64.0	103.9	19 100*	67.9	104.9	21 400*													28.0
30.0	58.6	101.7	14 900*	61.3	102.8	17 900*	65.3	104.0	21 000													30.0
32.0	55.8	100.4	13 800*	58.6	101.6	16 700*	62.7	103.0	19 700	66.6	104.0	18 000										32.0
34.0	52.8	99.0	12 900*	55.8	100.3	15 600*	60.0	101.9	18 400	64.0	103.1	16 700										34.0
36.0	49.8	97.3	11 900*	52.9	98.9	14 500*	57.2	100.7	17 200	61.3	102.0	15 600										36.0
38.0	46.6	95.5	11 100*	49.8	97.2	13 500*	54.4	99.3	16 100	58.6	100.8	14 600										38.0
40.0	43.3	93.5	10 400*	46.7	95.4	12 500*	51.4	97.7	15 100	55.8	99.5	13 700										40.0
42.0	39.7	91.2	9 700*	43.3	93.4	11 700*	48.3	96.0	14 200	52.9	98.0	12 800	59.9	100.2	10 600							42.0
44.0	35.8	88.6	9 100*	39.7	91.1	10 900*	45.0	94.1	13 400	49.9	96.4	12 000	57.1	99.0	9 900							44.0
46.0	31.5	85.5	8 600*	35.9	88.5	10 300*	41.6	92.0	12 500*	46.7	94.6	11 300	54.2	97.6	9 300							46.0
48.0	26.6	81.8	8 100*	31.6	85.4	9 700*	37.9	89.5	11 600*	43.3	92.6	10 600	51.3	96.0	8 600							48.0
50.0	20.7	77.2	7 900*	26.7	81.8	9 100*	33.8	86.7	10 900*	39.8	90.3	10 100	48.2	94.3	8 100	55.4	96.6	6 300				50.0
52.0				20.7	77.1	8 700*	29.3	83.4	10 200*	35.9	87.7	9 500	44.9	92.4	7 600	52.5	95.1	5 800				52.0
54.0				12.2	70.1	8 400*	23.9	79.3	9 600*	31.6	84.6	9 000	41.4	90.2	7 100	49.4	93.5	5 400				54.0
56.0							17.1	73.8	9 000*	26.7	81.0	8 500	37.7	87.8	6 700	46.2	91.6	5 000				56.0
58.0										20.7	76.3	8 100	33.6	84.9	6 300	42.8	89.5	4 700	50.4	92.0	3 100	58.0
60.0										12.2	69.3	7 800	29.0	81.6	5 900	39.2	87.2	4 300	47.3	90.2	2 800	60.0
62.0													23.7	77.5	5 600	35.3	84.5	4 000	44.0	88.2	2 500	62.0
64.0													16.7	71.9	5 300	31.0	81.4	3 700	40.4	86.0	2 300	64.0
66.0																25.9	77.7	3 500	36.6	83.5	2 100	66.0
68.0																19.8	72.8	3 200	32.4	80.5	1 800	68.0
70.0																10.5	65.2	3 000				70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

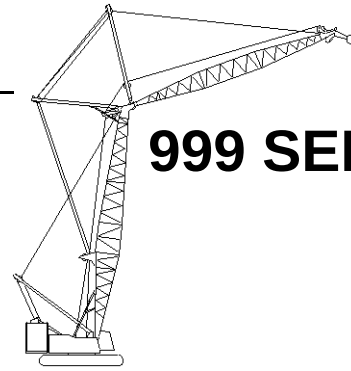
**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.7	110.2	17 800*																18.3
20.0	72.7	109.7	17 400*																20.0
22.0	70.4	109.0	16 900*	72.7	109.6	20 400*													22.0
24.0	68.0	108.2	16 200*	70.4	108.9	20 100*													24.0
26.0	65.6	107.4	16 000*	68.0	108.1	19 400*													26.0
28.0	63.1	106.4	15 400*	65.6	107.2	18 400*	69.2	108.2	19 800*										28.0
30.0	60.6	105.3	14 500*	63.2	106.3	17 300*	66.8	107.4	19 700*										30.0
32.0	58.0	104.1	13 500*	60.6	105.2	16 200*	64.4	106.4	19 300	68.0	107.3	17 500							32.0
34.0	55.4	102.8	12 500*	58.1	104.0	15 200*	61.9	105.4	17 900	65.6	106.4	16 300							34.0
36.0	52.6	101.3	11 700*	55.4	102.6	14 200*	59.4	104.3	16 800	63.2	105.5	15 200							36.0
38.0	49.8	99.6	10 900*	52.6	101.2	13 200*	56.8	103.0	15 700	60.6	104.4	14 200							38.0
40.0	46.8	97.8	10 200*	49.8	99.5	12 300*	54.1	101.6	14 700	58.1	103.2	13 300							40.0
42.0	43.6	95.8	9 500*	46.8	97.7	11 500*	51.3	100.0	13 800	55.4	101.8	12 400	61.8	103.7	10 200				42.0
44.0	40.3	93.6	8 900*	43.7	95.7	10 700*	48.3	98.3	13 000	52.7	100.4	11 600	59.3	102.6	9 500				44.0
46.0	36.7	91.0	8 400*	40.3	93.4	10 100*	45.3	96.4	12 200*	49.8	98.7	10 900	56.6	101.3	8 800				46.0
48.0	32.8	88.1	7 900*	36.8	90.9	9 400*	42.1	94.3	11 400*	46.8	96.9	10 300	53.9	99.9	8 300				48.0
50.0	28.4	84.6	7 500*	32.8	88.0	8 900*	38.6	91.9	10 600*	43.7	94.9	9 700	51.1	98.3	7 700				50.0
52.0	23.2	80.4	7 200*	28.4	84.5	8 400*	34.9	89.2	10 000*	40.3	92.6	9 200	48.2	96.6	7 300	55.0	98.9	5 400	52.0
54.0	16.6	74.8	7 000*	23.3	80.3	8 100*	30.7	86.0	9 300*	36.8	90.1	8 600	45.1	94.7	6 800	52.3	97.4	5 000	54.0
56.0				16.7	74.7	7 700*	26.0	82.3	8 700*	32.8	87.2	8 200	41.9	92.6	6 400	49.4	95.8	4 700	56.0
58.0							20.3	77.5	8 200*	28.5	83.7	7 700	38.4	90.2	6 000	46.4	93.9	4 300	58.0
60.0							12.2	70.4	7 700*	23.3	79.5	7 300	34.7	87.4	5 600	43.2	91.9	4 000	60.0
62.0										16.7	73.9	7 000	30.5	84.2	5 300	39.9	89.6	3 700	62.0
64.0										3.5	62.2	6 700	25.8	80.4	4 900	36.2	87.0	3 400	64.0
66.0													20.0	75.6	4 700	32.3	84.0	3 100	66.0
68.0													11.7	68.3	4 400	27.8	80.5	2 900	68.0
70.0																22.5	76.1	2 600	70.0
72.0																15.6	70.2	2 500	72.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

57.9m (190 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	75.6	113.4	16 500*																18.3
20.0	73.7	112.9	16 300*																20.0
22.0	71.5	112.2	15 900*																22.0
24.0	69.3	111.5	15 300*	71.5	112.1	18 700*													24.0
26.0	67.0	110.7	15 000*	69.3	111.4	18 400*													26.0
28.0	64.7	109.8	14 600*	67.1	110.6	17 500*													28.0
30.0	62.4	108.8	13 900*	64.8	109.7	16 600*	68.2	110.7	18 200*										30.0
32.0	60.0	107.7	13 100*	62.4	108.7	15 600*	65.9	109.8	18 100*										32.0
34.0	57.6	106.4	12 200*	60.0	107.5	14 700*	63.6	108.9	17 500	67.1	109.8	15 800							34.0
36.0	55.0	105.1	11 400*	57.6	106.3	13 800*	61.2	107.8	16 300	64.8	108.9	14 700							36.0
38.0	52.4	103.6	10 600*	55.1	105.0	12 900*	58.8	106.6	15 200	62.4	107.8	13 700							38.0
40.0	49.7	101.9	9 900*	52.4	103.5	12 000*	56.3	105.3	14 200	60.0	106.7	12 800							40.0
42.0	46.9	100.1	9 300*	49.7	101.8	11 300*	53.8	103.9	13 300	57.6	105.5	12 000							42.0
44.0	44.0	98.1	8 700*	46.9	100.0	10 500*	51.1	102.3	12 500	55.1	104.1	11 200	61.1	106.1	9 000				44.0
46.0	40.8	95.9	8 200*	44.0	98.0	9 800*	48.4	100.6	11 800	52.5	102.7	10 500	58.7	104.9	8 400				46.0
48.0	37.5	93.4	7 700*	40.9	95.8	9 300*	45.5	98.7	11 000*	49.8	101.0	9 800	56.2	103.6	7 800				48.0
50.0	33.9	90.6	7 300*	37.5	93.3	8 700*	42.5	96.6	10 300*	46.9	99.2	9 200	53.7	102.2	7 300				50.0
52.0	29.9	87.3	6 900*	33.9	90.5	8 300*	39.2	94.3	9 600*	44.0	97.2	8 700	51.0	100.6	6 800	57.2	102.6	5 000	52.0
54.0	25.3	83.4	6 600*	29.9	87.2	7 800*	35.8	91.6	9 000*	40.9	95.0	8 200	48.3	98.9	6 300	54.7	101.2	4 600	54.0
56.0	19.8	78.5	6 400*	25.3	83.3	7 300*	32.0	88.6	8 400*	37.5	92.5	7 700	45.4	97.0	5 900	52.1	99.7	4 200	56.0
58.0				19.8	78.4	6 900*	27.7	85.1	7 900*	33.9	89.7	7 300	42.3	94.9	5 500	49.4	98.1	3 900	58.0
60.0				12.0	71.2	6 400*	22.8	80.8	7 300*	29.9	86.4	6 900	39.1	92.5	5 200	46.5	96.2	3 500	60.0
62.0							16.4	75.0	6 900*	25.4	82.5	6 500	35.6	89.9	4 800	43.6	94.2	3 200	62.0
64.0							4.3	63.6	6 500*	19.8	77.6	6 200	31.8	86.8	4 500	40.4	91.9	2 900	64.0
66.0										12.0	70.4	5 900	27.6	83.3	4 200	37.1	89.4	2 700	66.0
68.0													22.5	78.9	3 900	33.4	86.5	2 400	68.0
70.0													16.1	73.1	3 700	29.3	83.2	2 200	70.0
72.0																24.7	79.2	2 000	72.0
74.0																18.9	74.1	1 800	74.0



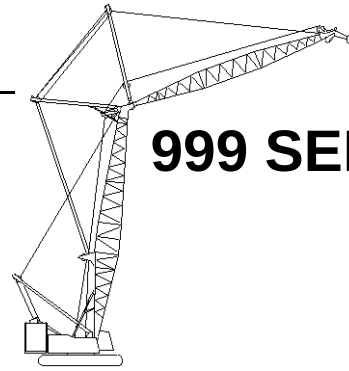
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

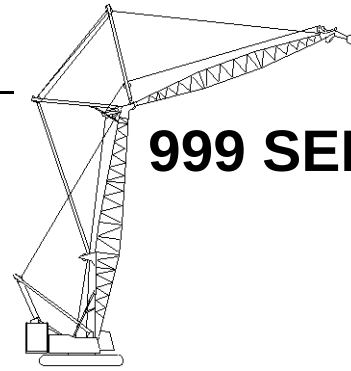
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	74.8	116.1	15 200*													19.8
20.0	74.6	116.1	15 200*													20.0
22.0	72.5	115.5	14 900*													22.0
24.0	70.4	114.8	14 500*	72.5	115.3	17 400*										24.0
26.0	68.3	114.0	14 100*	70.4	114.6	17 200*										26.0
28.0	66.2	113.1	13 800*	68.3	113.9	16 700*										28.0
30.0	64.0	112.2	13 300*	66.2	113.0	15 800*	69.4	114.0	16 800*							30.0
32.0	61.7	111.2	12 600*	64.0	112.1	15 000*	67.3	113.1	16 800*							32.0
34.0	59.5	110.0	11 800*	61.8	111.0	14 200*	65.1	112.2	16 700*							34.0
36.0	57.1	108.8	11 100*	59.5	109.9	13 300*	62.9	111.3	16 000*	66.2	112.2	14 400				36.0
38.0	54.7	107.4	10 300*	57.1	108.6	12 600*	60.6	110.2	14 900	64.0	111.3	13 400				38.0
40.0	52.2	105.9	9 700*	54.7	107.3	11 700*	58.3	109.0	14 000	61.8	110.2	12 500				40.0
42.0	49.7	104.2	9 000*	52.3	105.8	11 000*	56.0	107.7	13 100	59.5	109.1	11 700				42.0
44.0	47.0	102.4	8 500*	49.7	104.1	10 300*	53.5	106.2	12 300	57.2	107.8	10 900				44.0
46.0	44.2	100.5	8 000*	47.0	102.3	9 700*	51.0	104.7	11 600	54.8	106.5	10 200	60.5	108.5	8 200	46.0
48.0	41.3	98.3	7 500*	44.3	100.3	9 100*	48.4	102.9	10 900	52.3	105.0	9 600	58.2	107.3	7 600	48.0
50.0	38.2	95.8	7 100*	41.3	98.2	8 600*	45.7	101.0	10 100*	49.7	103.3	9 000	55.9	106.0	7 100	50.0
52.0	34.8	93.1	6 700*	38.2	95.7	8 100*	42.8	99.0	9 500*	47.1	101.5	8 500	53.4	104.5	6 600	52.0
54.0	31.1	90.0	6 300*	34.8	93.0	7 600*	39.8	96.7	8 800*	44.3	99.5	8 000	50.9	102.9	6 100	54.0
56.0	27.0	86.3	6 100*	31.2	89.9	7 200*	36.6	94.1	8 200*	41.3	97.4	7 500	48.3	101.2	5 700	56.0
58.0	22.2	81.9	5 900*	27.1	86.2	6 700*	33.1	91.2	7 700*	38.2	94.9	7 100	45.6	99.3	5 300	58.0
60.0	16.0	75.9	5 400*	22.2	81.8	6 300*	29.2	87.8	7 200*	34.9	92.2	6 600	42.7	97.2	4 900	60.0
62.0				16.1	75.9	5 800*	24.8	83.8	6 700*	31.2	89.1	6 200	39.7	94.9	4 600	62.0
64.0				4.7	64.5	5 400*	19.5	78.8	6 300*	27.1	85.4	5 900	36.4	92.3	4 300	64.0
66.0							12.0	71.5	5 900*	22.3	81.0	5 600	32.9	89.4	4 000	66.0
68.0										16.1	75.1	5 300	29.0	86.0	3 700	68.0
70.0										4.8	63.8	5 100	24.6	82.0	3 500	70.0
72.0													19.2	76.9	3 200	72.0
74.0													11.5	69.4	3 000	74.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

57.9m (190 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
19.8	75.6	119.3	14 100*													19.8
20.0	75.4	119.2	14 000*													20.0
22.0	73.4	118.7	13 900*													22.0
24.0	71.4	118.0	13 500*													24.0
26.0	69.4	117.3	13 200*	71.5	117.9	15 900*										26.0
28.0	67.4	116.5	12 900*	69.5	117.2	15 700*										28.0
30.0	65.4	115.6	12 600*	67.4	116.4	15 100*										30.0
32.0	63.3	114.6	12 100*	65.4	115.5	14 300*	68.5	116.4	15 400*							32.0
34.0	61.1	113.5	11 400*	63.3	114.5	13 600*	66.4	115.6	15 400*							34.0
36.0	59.0	112.4	10 700*	61.2	113.4	12 900*	64.4	114.7	15 300							36.0
38.0	56.7	111.1	10 000*	59.0	112.2	12 100*	62.2	113.6	14 400	65.4	114.7	12 900				38.0
40.0	54.4	109.7	9 400*	56.8	111.0	11 400*	60.1	112.5	13 500	63.3	113.7	12 000				40.0
42.0	52.1	108.2	8 800*	54.5	109.6	10 700*	57.9	111.3	12 600	61.2	112.6	11 200				42.0
44.0	49.6	106.5	8 300*	52.1	108.1	10 100*	55.6	110.0	11 800	59.0	111.4	10 500				44.0
46.0	47.1	104.7	7 800*	49.7	106.4	9 500*	53.3	108.5	11 100	56.8	110.2	9 800	62.2	112.0	7 700	46.0
48.0	44.5	102.8	7 300*	47.1	104.6	8 900*	50.9	107.0	10 400	54.5	108.8	9 200	60.0	110.8	7 100	48.0
50.0	41.7	100.6	6 900*	44.5	102.7	8 400*	48.4	105.2	9 800	52.1	107.3	8 600	57.8	109.6	6 600	50.0
52.0	38.8	98.2	6 500*	41.7	100.5	7 900*	45.9	103.4	9 100*	49.7	105.6	8 000	55.5	108.3	6 100	52.0
54.0	35.6	95.5	6 200*	38.8	98.1	7 400*	43.2	101.3	8 500*	47.2	103.8	7 500	53.2	106.8	5 700	54.0
56.0	32.2	92.5	5 900*	35.7	95.4	6 900*	40.3	99.0	7 900*	44.5	101.9	7 100	50.8	105.2	5 300	56.0
58.0	28.5	89.1	5 600*	32.3	92.4	6 400*	37.3	96.5	7 400*	41.7	99.7	6 600	48.3	103.5	4 900	58.0
60.0	24.2	85.0	5 100*	28.5	89.0	5 900*	34.0	93.7	6 800*	38.8	97.3	6 200	45.7	101.6	4 500	60.0
62.0	19.0	79.8	4 700*	24.2	84.9	5 500*	30.5	90.5	6 400*	35.7	94.6	5 800	43.0	99.6	4 200	62.0
64.0	11.7	72.3	4 400*	19.0	79.7	5 100*	26.5	86.7	5 900*	32.3	91.6	5 500	40.2	97.3	3 900	64.0
66.0				11.8	72.3	4 700*	21.8	82.2	5 600*	28.5	88.2	5 200	37.2	94.7	3 600	66.0
68.0							15.9	76.2	5 200*	24.2	84.1	4 900	33.9	91.9	3 300	68.0
70.0							5.3	65.1	4 900*	19.1	78.9	4 600	30.3	88.7	3 000	70.0
72.0										11.8	71.5	4 400	26.3	84.9	2 800	72.0
74.0													21.6	80.3	2 600	74.0
76.0													15.6	74.2	2 400	76.0



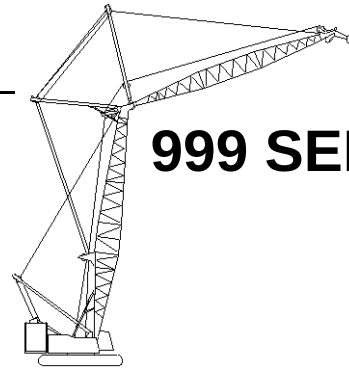
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

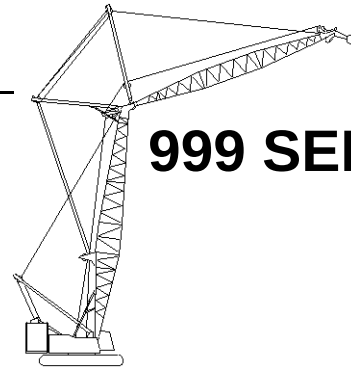
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



57.9m (190 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3	74.9	122.0	13 000*													21.3
22.0	74.2	121.8	12 900*													22.0
24.0	72.4	121.2	12 700*													24.0
26.0	70.5	120.5	12 400*	72.4	121.1	14 700*										26.0
28.0	68.6	119.8	12 100*	70.5	120.4	14 600*										28.0
30.0	66.6	118.9	11 800*	68.6	119.6	14 300*										30.0
32.0	64.6	118.0	11 600*	66.6	118.8	13 700*	69.5	119.7	14 200*							32.0
34.0	62.6	117.0	11 000*	64.7	117.9	13 000*	67.6	118.9	14 100*							34.0
36.0	60.6	115.9	10 300*	62.7	116.9	12 400*	65.7	118.0	14 100*							36.0
38.0	58.5	114.7	9 700*	60.6	115.8	11 700*	63.7	117.1	14 000	66.6	118.0	12 500				38.0
40.0	56.4	113.4	9 100*	58.5	114.6	11 100*	61.7	116.0	13 100	64.7	117.1	11 600				40.0
42.0	54.2	112.0	8 600*	56.4	113.3	10 400*	59.6	114.9	12 200	62.7	116.1	10 800				42.0
44.0	51.9	110.5	8 100*	54.2	111.9	9 900*	57.5	113.6	11 500	60.6	115.0	10 100				44.0
46.0	49.6	108.8	7 600*	52.0	110.4	9 300*	55.3	112.3	10 700	58.5	113.8	9 400				46.0
48.0	47.2	107.0	7 100*	49.6	108.7	8 700*	53.1	110.8	10 100	56.4	112.5	8 800	61.6	114.3	6 800	48.0
50.0	44.7	105.1	6 700*	47.2	106.9	8 200*	50.8	109.3	9 500	54.2	111.1	8 200	59.5	113.2	6 200	50.0
52.0	42.1	102.9	6 400*	44.7	105.0	7 800*	48.5	107.5	8 900*	52.0	109.6	7 700	57.4	112.0	5 800	52.0
54.0	39.3	100.6	6 000*	42.1	102.8	7 200*	46.0	105.7	8 200*	49.6	107.9	7 200	55.2	110.6	5 300	54.0
56.0	36.4	98.0	5 700*	39.3	100.5	6 600*	43.5	103.6	7 600*	47.2	106.1	6 700	53.0	109.1	4 900	56.0
58.0	33.2	95.1	5 300*	36.4	97.9	6 100*	40.8	101.4	7 100*	44.7	104.2	6 300	50.7	107.5	4 600	58.0
60.0	29.7	91.8	4 900*	33.2	95.0	5 700*	37.9	98.9	6 600*	42.1	102.0	5 900	48.4	105.8	4 200	60.0
62.0	25.9	87.9	4 500*	29.8	91.7	5 200*	34.9	96.2	6 100*	39.4	99.7	5 500	45.9	103.9	3 900	62.0
64.0	21.3	83.2	4 100*	25.9	87.8	4 800*	31.6	93.1	5 700*	36.4	97.1	5 200	43.3	101.9	3 500	64.0
66.0	15.6	77.1	3 700*	21.4	83.2	4 400*	27.9	89.5	5 300*	33.3	94.2	4 800	40.6	99.6	3 200	66.0
68.0				15.6	77.1	4 100*	23.8	85.3	4 900*	29.8	90.9	4 500	37.8	97.2	3 000	68.0
70.0				5.5	65.9	3 800*	18.8	80.1	4 500*	25.9	87.0	4 200	34.7	94.4	2 700	70.0
72.0							11.8	72.6	4 200*	21.4	82.4	4 000	31.4	91.3	2 400	72.0
74.0										15.6	76.3	3 700	27.8	87.7	2 200	74.0
76.0										5.6	65.2	3 600	23.6	83.5	2 000	76.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

61.0m (200 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	60.3	81.7	33 000*b																			15.2
16.0	57.9	81.3	32 500*b																			16.0
18.0	51.2	79.8	31 100*b	58.3	81.2	38 000*b																18.0
20.0	43.8	77.9	30 100*	51.7	79.7	35 600*b	62.0	81.6	37 300b													20.0
22.0	35.2	75.4	27 500*	44.3	77.9	32 300*	55.6	80.3	33 900b													22.0
24.0	23.9	71.7	25 600*	35.8	75.4	29 500*	48.7	78.7	31 100	59.4	80.6	28 800b										24.0
26.0				24.8	71.8	26 900*	41.0	76.6	28 700	52.8	79.2	26 500b										26.0
28.0							31.7	73.8	26 600	45.6	77.4	24 500										28.0
30.0							18.4	69.3	24 600*	37.3	75.0	22 800	56.7	78.8	19 700b							30.0
32.0										26.8	71.7	21 300	49.9	77.3	18 300							32.0
34.0													42.3	75.3	17 100							34.0
36.0													33.4	72.6	16 000	53.6	76.5	13 500				36.0
38.0													21.2	68.5	15 000	46.5	74.7	12 600				38.0
40.0																38.3	72.5	11 800				40.0
42.0																28.2	69.3	11 100	49.7	73.5	9 000	42.0
44.0																11.6	63.4	10 500	42.1	71.5	8 400	44.0
46.0																			33.1	68.8	7 900	46.0
48.0																			20.7	64.6	7 400	48.0



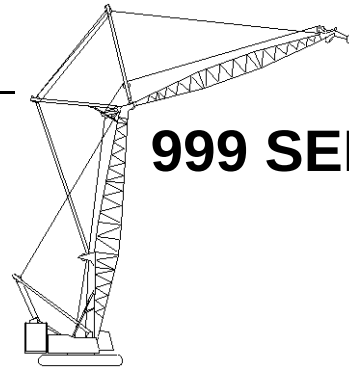
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

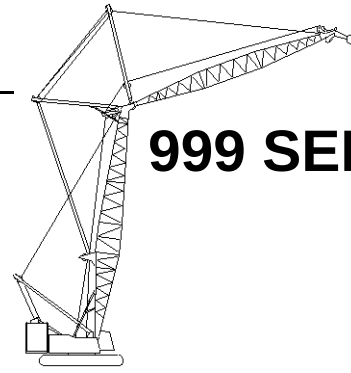
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



61.0m (200 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	64.4	85.2	31 000*b																			15.2
16.0	62.4	84.8	30 500*b																			16.0
18.0	56.9	83.6	29 200*	62.7	84.7	35 700*b																18.0
20.0	51.0	82.1	28 100*	57.2	83.5	34 100*b	65.8	85.0	36 400b													20.0
22.0	44.5	80.2	26 100*	51.3	82.0	31 000*	60.5	83.9	33 100b													22.0
24.0	37.2	77.8	23 900*	44.9	80.2	28 300*	54.8	82.6	30 300	63.5	84.1	28 100b										24.0
26.0	28.3	74.6	22 200*	37.7	77.8	25 800*	48.8	81.0	28 000	58.1	82.9	25 800b										26.0
28.0				28.9	74.7	23 800*	42.1	79.0	25 900	52.3	81.5	23 800										28.0
30.0				16.1	69.6	22 100*	34.3	76.3	24 100	46.0	79.7	22 100										30.0
32.0							24.4	72.6	22 200*	38.9	77.4	20 600	55.8	81.1	17 700							32.0
34.0										30.5	74.4	19 300	49.8	79.6	16 500							34.0
36.0										18.8	69.9	18 200	43.2	77.6	15 400							36.0
38.0													35.7	75.1	14 400	53.0	78.8	12 000				38.0
40.0													26.3	71.6	13 500	46.8	77.0	11 200				40.0
42.0																39.8	74.8	10 500				42.0
44.0																31.6	72.0	9 900				44.0
46.0																20.5	67.7	9 300	43.0	73.8	7 400	46.0
48.0																			35.5	71.3	6 900	48.0
50.0																			26.0	67.8	6 500	50.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

61.0m (200 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	67.4	88.6	29 200*b																			15.2
16.0	65.7	88.2	28 700*b																			16.0
18.0	61.0	87.2	27 500*	65.9	88.1	33 700*b																18.0
20.0	56.0	85.9	26 500*	61.3	87.1	32 400*b	68.6	88.3	34 500b													20.0
22.0	50.7	84.4	25 300*	56.3	85.9	29 900*	64.0	87.4	32 900b													22.0
24.0	45.0	82.5	22 900*	51.1	84.3	27 300*	59.2	86.3	30 000													24.0
26.0	38.7	80.2	21 000*	45.4	82.5	25 000*	54.2	84.9	27 700	62.0	86.4	25 500b										26.0
28.0	31.2	77.3	19 400*	39.1	80.2	22 900*	48.8	83.3	25 600	57.1	85.2	23 600										28.0
30.0	21.5	73.1	18 400*	31.7	77.3	21 100*	42.9	81.3	23 800	52.0	83.8	21 900										30.0
32.0				22.2	73.3	19 800*	36.2	78.8	22 300	46.4	82.0	20 400	60.1	84.8	17 500							32.0
34.0							28.2	75.5	20 600*	40.2	79.8	19 100	55.1	83.5	16 300							34.0
36.0							16.9	70.5	19 100*	33.0	77.0	17 900	49.7	81.9	15 200							36.0
38.0										24.0	73.2	16 800	43.9	79.9	14 200							38.0
40.0													37.4	77.5	13 400	52.6	81.1	11 100				40.0
42.0													29.6	74.4	12 600	47.0	79.3	10 400				42.0
44.0													19.2	69.8	11 900	40.9	77.2	9 700				44.0
46.0																33.9	74.5	9 100	49.6	78.1	7 200	46.0
48.0																25.2	70.9	8 600	43.7	76.1	6 800	48.0
50.0																11.2	64.5	8 200	37.2	73.7	6 300	50.0
52.0																			29.4	70.6	5 900	52.0
54.0																			18.8	65.9	5 500	54.0



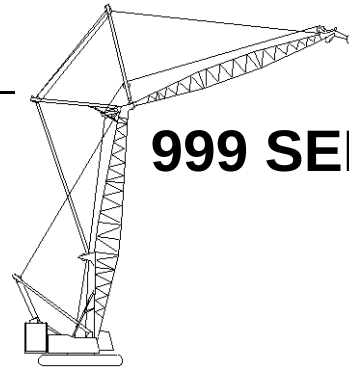
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

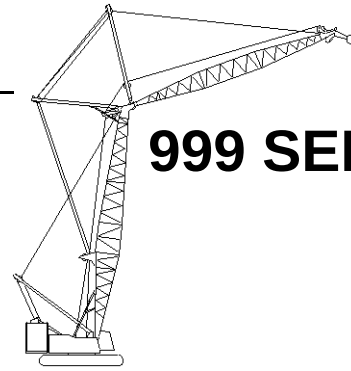
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



61.0m (200 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	69.8	91.8	27 400*b																			15.2
16.0	68.2	91.5	27 000*b																			16.0
18.0	64.1	90.6	25 900*	68.5	91.5	31 700*b																18.0
20.0	59.8	89.5	24 900*	64.4	90.6	30 600*																20.0
22.0	55.3	88.2	23 900*	60.1	89.5	28 800*	66.8	90.8	31 300b													22.0
24.0	50.6	86.7	22 100*	55.6	88.2	26 300*	62.6	89.8	29 400													24.0
26.0	45.5	84.8	20 200*	50.9	86.6	24 100*	58.3	88.6	27 000	65.0	89.9	24 800										26.0
28.0	39.8	82.6	18 500*	45.8	84.8	22 100*	53.7	87.2	25 000	60.8	88.8	22 900										28.0
30.0	33.4	79.8	17 100*	40.2	82.6	20 400*	48.8	85.6	23 200	56.4	87.6	21 300										30.0
32.0	25.6	76.2	16 100*	33.8	79.9	18 800*	43.5	83.6	21 600	51.7	86.1	19 800										32.0
34.0				26.1	76.3	17 500*	37.7	81.2	20 200	46.6	84.3	18 500	59.0	87.1	15 700							34.0
36.0				15.0	70.8	16 800*	30.9	78.2	18 800*	41.1	82.2	17 300	54.5	85.8	14 600							36.0
38.0							22.2	74.1	17 400*	34.9	79.5	16 200	49.6	84.2	13 700							38.0
40.0										27.5	76.1	15 300	44.4	82.3	12 800	56.9	84.8	10 500				40.0
42.0										17.3	71.1	14 500	38.7	79.9	12 000	52.2	83.4	9 800				42.0
44.0													32.1	77.0	11 300	47.2	81.6	9 200				44.0
46.0													23.9	73.2	10 700	41.8	79.6	8 600				46.0
48.0																35.7	77.0	8 100	49.5	80.4	6 200	48.0
50.0																28.5	73.7	7 600	44.3	78.4	5 800	50.0
52.0																18.8	69.0	7 200	38.5	76.1	5 400	52.0
54.0																			31.9	73.2	5 000	54.0
56.0																			23.6	69.3	4 700	56.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

61.0m (200 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	71.7	95.1	25 800*b																			15.2
16.0	70.3	94.8	25 400*b																			16.0
18.0	66.6	94.0	24 400*	70.5	94.7	29 800*b																18.0
20.0	62.8	93.0	23 400*	66.9	93.9	28 900*																20.0
22.0	58.9	91.9	22 800*	63.1	93.0	27 700*	69.0	94.1	29 500*b													22.0
24.0	54.8	90.5	21 400*	59.1	91.8	25 400*	65.3	93.2	28 700													24.0
26.0	50.4	89.0	19 500*	55.0	90.5	23 400*	61.5	92.2	26 600	67.5	93.2	24 400										26.0
28.0	45.8	87.1	18 000*	50.7	88.9	21 500*	57.5	91.0	24 600	63.7	92.3	22 600										28.0
30.0	40.7	85.0	16 500*	46.1	87.1	19 800*	53.3	89.5	22 800	59.8	91.2	20 900										30.0
32.0	35.1	82.3	15 300*	41.1	85.0	18 300*	48.8	87.9	21 300	55.7	89.9	19 500										32.0
34.0	28.5	79.0	14 400*	35.5	82.4	16 900*	44.1	85.9	19 900	51.4	88.4	18 200	62.1	90.6	15 400							34.0
36.0	19.9	74.4	13 700*	28.9	79.1	15 700*	38.8	83.6	18 600	46.9	86.6	17 000	58.1	89.5	14 300							36.0
38.0				20.5	74.6	14 900*	32.9	80.8	17 300*	41.9	84.5	16 000	54.0	88.1	13 400							38.0
40.0							25.8	77.1	16 100*	36.4	82.0	15 000	49.6	86.5	12 500							40.0
42.0							15.8	71.7	15 000*	30.1	78.9	14 200	44.9	84.6	11 800	56.2	87.2	9 600				42.0
44.0										22.1	74.6	13 400	39.7	82.3	11 100	51.9	85.7	8 900				44.0
46.0													33.9	79.6	10 400	47.4	83.9	8 400				46.0
48.0													27.1	76.1	9 900	42.5	81.9	7 800				48.0
50.0													17.8	71.1	9 400	37.1	79.4	7 400	49.5	82.7	5 500	50.0
52.0																30.9	76.4	6 900	44.7	80.8	5 200	52.0
54.0																23.2	72.4	6 500	39.6	78.5	4 800	54.0
56.0																11.0	65.6	6 200	33.8	75.8	4 500	56.0
58.0																			26.8	72.2	4 200	58.0
60.0																			17.5	67.2	3 900	60.0



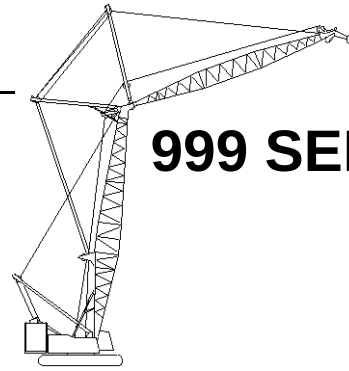
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

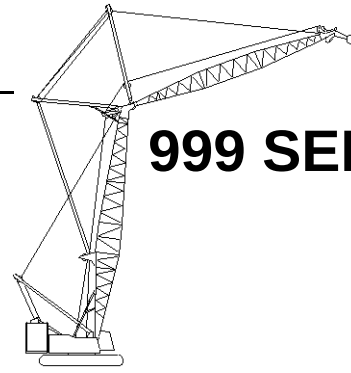
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



61.0m (200 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	73.3	98.3	24 200*																			15.2
16.0	72.0	98.1	23 800*																			16.0
18.0	68.7	97.3	22 900*																			18.0
20.0	65.3	96.4	22 300*	68.9	97.2	27 200*																20.0
22.0	61.7	95.4	21 300*	65.5	96.4	26 200*																22.0
24.0	58.1	94.2	20 500*	62.0	95.3	24 500*	67.5	96.5	27 100*													24.0
26.0	54.3	92.9	18 800*	58.3	94.2	22 600*	64.0	95.6	26 000													26.0
28.0	50.3	91.3	17 400*	54.5	92.8	20 900*	60.5	94.5	24 000	66.0	95.7	22 000										28.0
30.0	46.1	89.4	16 000*	50.6	91.2	19 200*	56.8	93.3	22 200	62.5	94.7	20 300										30.0
32.0	41.5	87.3	14 800*	46.3	89.4	17 700*	52.9	91.9	20 700	58.9	93.5	18 900										32.0
34.0	36.4	84.8	13 700*	41.8	87.3	16 400*	48.8	90.2	19 400	55.2	92.2	17 600										34.0
36.0	30.7	81.7	12 900*	36.8	84.8	15 200*	44.5	88.3	18 100	51.2	90.7	16 400	61.1	93.0	13 800							36.0
38.0	23.6	77.7	12 200*	31.0	81.8	14 200*	39.8	86.0	16 900	47.0	88.9	15 400	57.4	91.8	12 900							38.0
40.0				24.1	77.8	13 300*	34.5	83.3	15 700*	42.5	86.8	14 500	53.6	90.4	12 000							40.0
42.0				14.3	71.9	12 900*	28.4	79.9	14 700*	37.6	84.4	13 600	49.5	88.8	11 300							42.0
44.0							20.6	75.4	13 700*	32.0	81.5	12 900	45.2	86.9	10 600							44.0
46.0										25.4	77.7	12 200	40.6	84.7	9 900	51.7	88.0	7 900				46.0
48.0										16.3	72.3	11 600	35.4	82.1	9 400	47.5	86.3	7 300				48.0
50.0													29.5	78.8	8 800	43.1	84.2	6 900				50.0
52.0													22.1	74.6	8 300	38.2	81.8	6 400	49.4	85.0	4 600	52.0
54.0																32.7	79.0	6 000	45.1	83.1	4 300	54.0
56.0																26.2	75.3	5 600	40.4	80.9	4 000	56.0
58.0																17.6	70.2	5 300	35.3	78.2	3 700	58.0
60.0																			29.3	75.0	3 400	60.0
62.0																			21.9	70.7	3 100	62.0
64.0																			10.0	63.4	2 900	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

61.0m (200 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	101.5	22 600*																			15.2
16.0	73.5	101.3	22 400*																			16.0
18.0	70.4	100.6	21 600*																			18.0
20.0	67.3	99.8	21 100*	70.6	100.5	25 500*																20.0
22.0	64.1	98.9	20 200*	67.5	99.7	24 800*																22.0
24.0	60.8	97.8	19 300*	64.3	98.8	23 700*																24.0
26.0	57.4	96.6	18 400*	61.0	97.7	22 000*	66.2	99.0	24 900													26.0
28.0	53.9	95.2	17 000*	57.6	96.5	20 400*	63.0	98.0	23 500													28.0
30.0	50.2	93.6	15 700*	54.1	95.1	18 900*	59.6	96.9	21 700	64.8	98.1	19 900										30.0
32.0	46.3	91.8	14 500*	50.4	93.5	17 500*	56.2	95.6	20 200	61.6	97.1	18 400										32.0
34.0	42.1	89.7	13 500*	46.5	91.7	16 200*	52.6	94.2	18 900	58.2	95.9	17 200										34.0
36.0	37.5	87.2	12 500*	42.4	89.7	15 000*	48.9	92.5	17 700	54.7	94.5	16 000										36.0
38.0	32.4	84.3	11 700*	37.8	87.2	14 000*	44.9	90.6	16 600	51.1	93.0	15 000	60.2	95.4	12 400							38.0
40.0	26.4	80.7	11 100*	32.7	84.4	13 100*	40.5	88.4	15 500*	47.2	91.2	14 100	56.8	94.1	11 600							40.0
42.0	18.7	75.7	10 700*	26.8	80.8	12 200*	35.8	85.8	14 400*	43.1	89.2	13 200	53.2	92.7	10 800							42.0
44.0				19.2	75.9	11 700*	30.4	82.6	13 500*	38.6	86.8	12 500	49.5	91.1	10 200							44.0
46.0							24.0	78.6	12 600*	33.6	84.0	11 700	45.5	89.2	9 500	55.1	91.8	7 500				46.0
48.0							15.1	72.8	11 800*	27.9	80.6	11 200	41.3	87.0	8 900	51.5	90.3	7 000				48.0
50.0										20.7	76.0	10 600	36.6	84.5	8 400	47.7	88.6	6 500				50.0
52.0													31.4	81.5	7 900	43.6	86.6	6 000				52.0
54.0													25.1	77.7	7 500	39.1	84.2	5 600	49.4	87.3	3 900	54.0
56.0													16.9	72.3	7 100	34.2	81.5	5 300	45.4	85.4	3 600	56.0
58.0																28.6	78.1	4 900	41.2	83.2	3 300	58.0
60.0																21.6	73.8	4 600	36.5	80.7	3 000	60.0
62.0																10.9	66.6	4 400	31.2	77.6	2 800	62.0
64.0																			25.0	73.8	2 500	64.0
66.0																			16.6	68.4	2 300	66.0



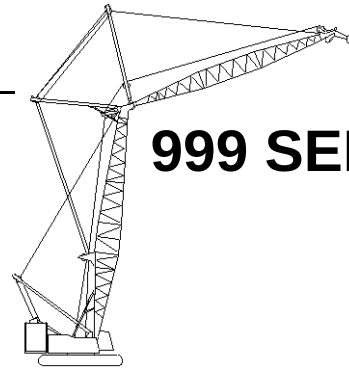
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

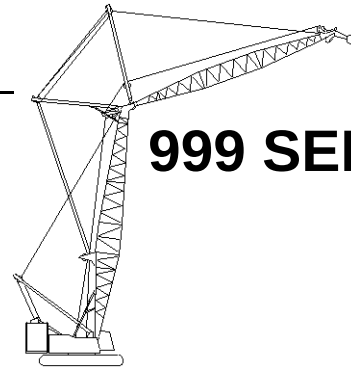
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



61.0m (200 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	104.6	21 100*																			15.2
16.0	74.7	104.4	20 900*																			16.0
18.0	71.9	103.8	20 200*																			18.0
20.0	69.0	103.1	19 800*	72.0	103.7	23 900*																20.0
22.0	66.1	102.2	19 100*	69.2	103.0	23 400*																22.0
24.0	63.1	101.3	18 400*	66.3	102.2	22 500*																24.0
26.0	60.0	100.2	17 800*	63.3	101.2	21 100*	68.0	102.3	23 300*													26.0
28.0	56.9	98.9	16 400*	60.2	100.1	19 700*	65.0	101.4	22 800													28.0
30.0	53.6	97.5	15 200*	57.1	98.8	18 300*	62.0	100.4	21 200													30.0
32.0	50.1	95.9	14 100*	53.8	97.4	17 000*	58.9	99.2	19 700	63.8	100.5	17 800										32.0
34.0	46.5	94.1	13 100*	50.3	95.8	15 700*	55.7	97.9	18 300	60.7	99.4	16 600										34.0
36.0	42.6	92.0	12 200*	46.7	94.0	14 600*	52.4	96.5	17 100	57.6	98.2	15 500										36.0
38.0	38.5	89.6	11 400*	42.9	92.0	13 600*	48.9	94.8	16 100	54.3	96.8	14 500										38.0
40.0	33.8	86.8	10 600*	38.7	89.6	12 600*	45.2	92.9	15 100	50.9	95.3	13 500	59.4	97.7	11 100							40.0
42.0	28.6	83.4	10 000*	34.1	86.9	11 900*	41.2	90.7	14 100*	47.3	93.5	12 700	56.2	96.5	10 300							42.0
44.0	22.2	79.1	9 600*	28.9	83.5	11 100*	36.9	88.2	13 100*	43.5	91.5	12 000	52.9	95.0	9 700							44.0
46.0				22.6	79.3	10 600*	32.1	85.2	12 200*	39.4	89.2	11 200	49.5	93.4	9 000							46.0
48.0				13.8	73.0	10 200*	26.5	81.6	11 400*	34.9	86.5	10 600	45.8	91.5	8 500	54.7	94.1	6 400				48.0
50.0							19.5	76.7	10 700*	29.8	83.3	10 000	41.9	89.4	8 000	51.3	92.6	6 000				50.0
52.0										23.8	79.2	9 500	37.6	86.9	7 500	47.8	90.9	5 500				52.0
54.0										15.6	73.5	9 100	32.9	84.0	7 000	44.0	88.9	5 200				54.0
56.0													27.5	80.5	6 600	39.9	86.6	4 800	49.4	89.6	3 100	56.0
58.0													20.8	76.0	6 200	35.5	84.0	4 500	45.7	87.7	2 800	58.0
60.0																30.5	80.8	4 100	41.8	85.6	2 500	60.0
62.0																24.5	76.9	3 900	37.5	83.1	2 300	62.0
64.0																16.7	71.4	3 600	32.8	80.2	2 000	64.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

61.0m (200 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	107.4	19 400*																16.8
18.0	73.1	107.0	19 100*																18.0
20.0	70.5	106.3	18 400*	73.3	106.9	22 300*													20.0
22.0	67.8	105.6	18 000*	70.6	106.2	21 900*													22.0
24.0	65.0	104.7	17 400*	67.9	105.5	21 400*													24.0
26.0	62.2	103.6	16 700*	65.2	104.6	20 300*	69.5	105.6	21 600*										26.0
28.0	59.3	102.5	16 000*	62.4	103.6	19 000*	66.8	104.8	21 400*										28.0
30.0	56.3	101.2	14 800*	59.5	102.4	17 700*	64.0	103.8	21 000										30.0
32.0	53.3	99.8	13 700*	56.5	101.2	16 500*	61.2	102.8	19 700	65.6	103.9	17 900							32.0
34.0	50.0	98.2	12 700*	53.5	99.7	15 400*	58.3	101.6	18 400	62.8	102.9	16 600							34.0
36.0	46.7	96.4	11 800*	50.2	98.1	14 300*	55.3	100.3	17 200	60.0	101.8	15 500							36.0
38.0	43.1	94.3	11 000*	46.9	96.4	13 300*	52.1	98.8	16 100	57.0	100.5	14 500							38.0
40.0	39.2	92.0	10 300*	43.3	94.3	12 300*	48.9	97.1	15 100	54.0	99.1	13 600	61.7	101.3	11 200				40.0
42.0	35.0	89.3	9 700*	39.5	92.0	11 500*	45.4	95.2	14 200	50.8	97.6	12 800	58.8	100.1	10 400				42.0
44.0	30.3	86.1	9 100*	35.3	89.3	10 800*	41.8	93.1	13 300	47.4	95.8	12 000	55.8	98.8	9 800				44.0
46.0	24.8	82.2	8 700*	30.6	86.2	10 200*	37.8	90.6	12 400*	43.9	93.8	11 300	52.7	97.3	9 100				46.0
48.0	17.8	76.9	8 500*	25.2	82.4	9 600*	33.4	87.8	11 600*	40.1	91.6	10 700	49.4	95.7	8 500				48.0
50.0				18.3	77.2	9 300*	28.5	84.4	10 900*	36.0	89.0	10 100	46.0	93.8	8 000	54.3	96.4	6 100	50.0
52.0							22.6	80.1	10 200*	31.4	85.9	9 600	42.4	91.7	7 500	51.2	94.9	5 700	52.0
54.0							14.5	74.0	9 600*	26.1	82.2	9 000	38.5	89.3	7 100	47.8	93.2	5 300	54.0
56.0										19.6	77.3	8 600	34.2	86.6	6 600	44.3	91.2	4 900	56.0
58.0													29.4	83.3	6 300	40.6	89.0	4 600	58.0
60.0													23.7	79.2	5 900	36.5	86.4	4 200	60.0
62.0													16.1	73.5	5 600	32.0	83.4	3 900	62.0
64.0																26.8	79.8	3 700	64.0
66.0																20.4	75.1	3 400	66.0
68.0																10.8	67.7	3 200	68.0



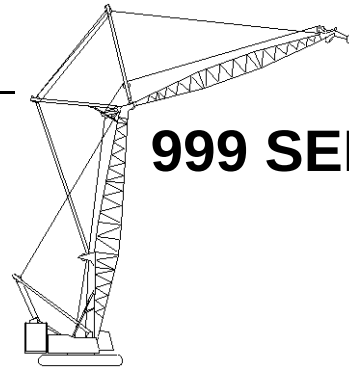
Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

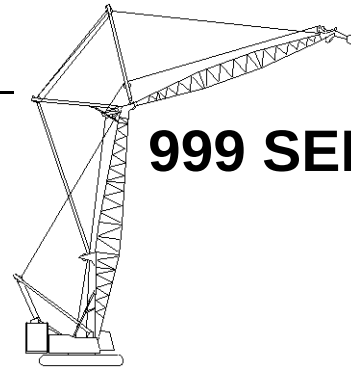
**Maximum Operating Wind Speeds
(all boom lengths)**

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



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

Jib Oper. Rad. m	88 Degree Boom Angle			86 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.7	110.5	18 100*																16.8
18.0	74.2	110.2	17 800*																18.0
20.0	71.7	109.6	17 500*																20.0
22.0	69.2	108.8	16 800*	71.9	109.5	20 500*													22.0
24.0	66.7	108.0	16 400*	69.4	108.8	20 100*													24.0
26.0	64.1	107.1	15 700*	66.8	107.9	19 300*	70.9	108.8	20 000*										26.0
28.0	61.4	106.0	15 400*	64.3	107.0	18 200*	68.3	108.1	19 900*										28.0
30.0	58.7	104.9	14 300*	61.6	106.0	17 000*	65.8	107.2	19 700*										30.0
32.0	55.9	103.5	13 300*	58.9	104.8	16 000*	63.2	106.2	19 100	67.3	107.2	17 300							32.0
34.0	53.0	102.1	12 300*	56.1	103.5	14 900*	60.5	105.2	17 800	64.7	106.3	16 100							34.0
36.0	50.0	100.5	11 500*	53.2	102.1	13 900*	57.7	103.9	16 700	62.0	105.3	15 000							36.0
38.0	46.8	98.7	10 700*	50.2	100.4	13 000*	54.9	102.6	15 600	59.3	104.1	14 000							38.0
40.0	43.5	96.6	10 000*	47.0	98.7	12 100*	52.0	101.1	14 700	56.5	102.9	13 100							40.0
42.0	39.9	94.4	9 400*	43.7	96.6	11 300*	48.9	99.4	13 800	53.7	101.5	12 300	60.9	103.6	9 900				42.0
44.0	36.0	91.8	8 800*	40.1	94.4	10 500*	45.7	97.5	13 000	50.7	99.9	11 500	58.2	102.4	9 300				44.0
46.0	31.8	88.7	8 300*	36.3	91.8	9 900*	42.2	95.4	12 100*	47.5	98.1	10 800	55.4	101.1	8 600				46.0
48.0	26.9	85.1	7 900*	32.1	88.8	9 400*	38.6	93.0	11 300*	44.2	96.1	10 200	52.4	99.6	8 100				48.0
50.0	21.0	80.5	7 600*	27.2	85.2	8 900*	34.6	90.3	10 500*	40.7	93.9	9 600	49.4	98.0	7 600				50.0
52.0				21.4	80.7	8 400*	30.2	87.1	9 900*	36.9	91.4	9 100	46.2	96.1	7 100	54.0	98.8	5 200	52.0
54.0				13.4	74.1	8 200*	25.0	83.2	9 200*	32.8	88.5	8 600	42.8	94.1	6 600	51.0	97.2	4 800	54.0
56.0							18.5	78.0	8 700*	28.1	85.0	8 100	39.2	91.7	6 200	47.9	95.5	4 400	56.0
58.0										22.5	80.7	7 700	35.3	89.0	5 800	44.6	93.5	4 100	58.0
60.0										15.0	74.6	7 300	30.9	85.9	5 500	41.1	91.3	3 800	60.0
62.0													25.9	82.1	5 100	37.4	88.8	3 500	62.0
64.0													19.7	77.3	4 800	33.3	86.0	3 200	64.0
66.0																28.7	82.6	2 900	66.0
68.0																23.2	78.4	2 700	68.0
70.0																16.0	72.6	2 500	70.0



Liftcrane Luffing Jib Capacities

999 SERIES 3

**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib**

61.0m (200 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			86 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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.8	113.3	16 600*																18.3
20.0	72.8	112.8	16 400*																20.0
22.0	70.5	112.1	15 900*	73.0	112.7	19 100*													22.0
24.0	68.1	111.3	15 400*	70.7	112.0	18 800*													24.0
26.0	65.7	110.5	15 000*	68.3	111.2	18 500*													26.0
28.0	63.3	109.5	14 600*	65.9	110.4	17 500*	69.7	111.4	18 500*										28.0
30.0	60.7	108.4	13 900*	63.4	109.4	16 500*	67.3	110.6	18 400*										30.0
32.0	58.2	107.2	12 900*	60.9	108.3	15 500*	64.9	109.6	18 300*										32.0
34.0	55.5	105.9	12 000*	58.3	107.1	14 500*	62.4	108.6	17 500	66.3	109.7	15 700							34.0
36.0	52.8	104.4	11 200*	55.7	105.8	13 600*	59.8	107.5	16 300	63.8	108.7	14 600							36.0
38.0	49.9	102.8	10 500*	52.9	104.4	12 700*	57.2	106.3	15 200	61.3	107.7	13 600							38.0
40.0	46.9	101.0	9 800*	50.1	102.7	11 900*	54.6	104.9	14 200	58.8	106.5	12 700							40.0
42.0	43.8	99.0	9 100*	47.1	101.0	11 100*	51.8	103.4	13 400	56.1	105.2	11 900							42.0
44.0	40.5	96.7	8 600*	44.0	99.0	10 400*	48.9	101.7	12 600	53.4	103.8	11 200	60.3	106.0	8 900				44.0
46.0	36.9	94.2	8 100*	40.7	96.7	9 700*	45.9	99.8	11 900	50.6	102.2	10 500	57.7	104.8	8 300				46.0
48.0	33.0	91.3	7 600*	37.1	94.2	9 100*	42.7	97.7	11 000*	47.6	100.4	9 800	55.0	103.4	7 700				48.0
50.0	28.6	87.9	7 300*	33.3	91.3	8 600*	39.3	95.4	10 300*	44.5	98.5	9 300	52.2	101.9	7 200				50.0
52.0	23.5	83.7	7 000*	28.9	88.0	8 200*	35.6	92.7	9 600*	41.3	96.3	8 700	49.4	100.3	6 700	56.4	102.5	4 800	52.0
54.0	17.0	78.2	6 800*	23.9	83.9	7 800*	31.5	89.7	9 000*	37.7	93.8	8 200	46.4	98.4	6 300	53.7	101.1	4 400	54.0
56.0				17.5	78.4	7 400*	27.0	86.0	8 400*	33.9	91.0	7 800	43.2	96.4	5 900	50.9	99.5	4 100	56.0
58.0							21.5	81.5	7 900*	29.7	87.7	7 300	39.8	94.1	5 500	48.0	97.8	3 700	58.0
60.0							14.0	75.1	7 400*	24.8	83.7	7 000	36.2	91.5	5 100	44.9	95.8	3 400	60.0
62.0										18.7	78.6	6 600	32.2	88.5	4 800	41.6	93.7	3 200	62.0
64.0										9.2	70.3	6 300	27.8	85.0	4 500	38.2	91.2	2 900	64.0
66.0													22.5	80.6	4 200	34.4	88.5	2 600	66.0
68.0													15.5	74.7	4 000	30.2	85.3	2 400	68.0
70.0																25.4	81.4	2 100	70.0
72.0																19.5	76.4	2 000	72.0
74.0																10.7	68.8	1 800	74.0