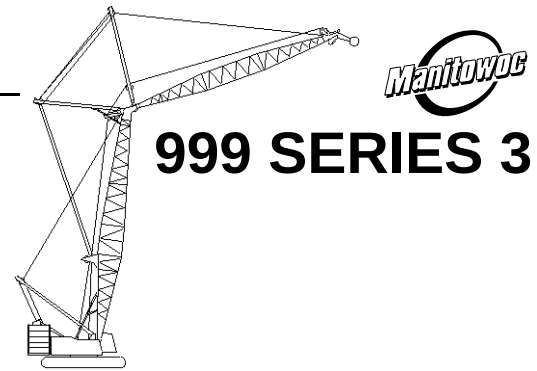




Liftcrane Luffing Jib Capacities

**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**

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

999 SERIES 3

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 1 770 kg minimum block weight.

Consult Luffing Jib Raising Procedure chart **No. 8422-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, hoist lines, etc., beneath boom, intermediate fall and luffing jib point sheaves, is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 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. 8357-A** and Luffing Jib Raising Procedure chart **No. 8422-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating

conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-A**.

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

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

MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps, 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. 8348-AM** for intermediate fall capacities. Consult chart **No. 8364-AM** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8354-AM** for fixed jib on luffing jib capacities. Chart **No. 8364-AM** cannot be used when fixed jib No. 134 is attached to luffing jib No. 149.

Intermediate Fall Deduct

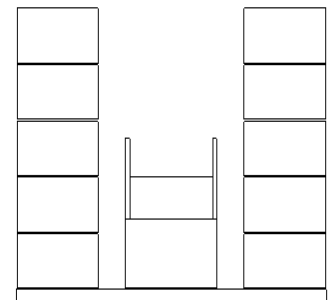
Deduct 680 kg from capacities when luffing jib is equipped with intermediate fall.

Boom Catwalks Deduct

Deduct 150 kg from capacities when boom catwalks are attached.

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



99 610 kg Crane Counterweight
10 Side Boxes - 1 Center Box

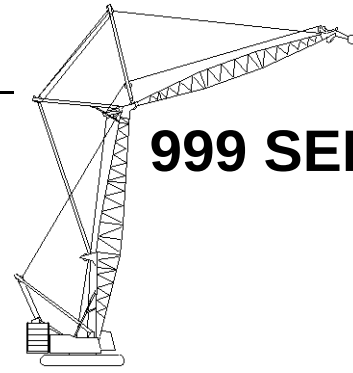


Liftcrane Luffing Jib Capacities

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

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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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	61 900b										16.0
18.0	46.6	42.1	46 800*	49.7	42.8	49 500*	54.1	43.7	52 700*	58.2	44.3	52 900										18.0
20.0	38.5	39.8	40 700*	42.1	40.8	43 200*	47.1	42.0	47 200	51.6	42.9	46 300	58.4	43.8	45 000							20.0
22.0	28.5	36.7	35 500*	33.1	38.1	37 800*	39.0	39.7	41 000*	44.2	41.0	41 000	51.8	42.4	39 800							22.0
24.0	12.2	30.9	25 700*	20.8	34.0	31 800*	29.2	36.7	36 100*	35.7	38.5	36 800	44.5	40.5	35 700	51.8	41.7	34 700				24.0
26.0										24.6	34.9	33 200	36.0	38.1	32 300	44.5	39.8	31 300	51.6	40.8	30 300	26.0
28.0													25.0	34.5	29 400	36.0	37.4	28 500	44.3	38.9	27 600	28.0
30.0																25.1	33.9	26 100	35.7	36.4	25 300	30.0
32.0																			24.7	32.9	23 300	32.0

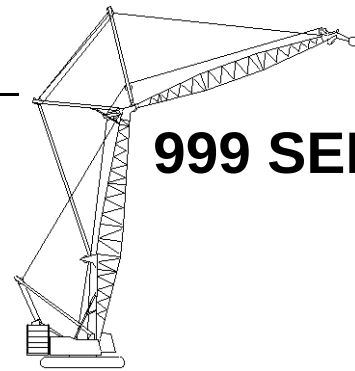
24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	46 400*	55.6	46.7	48 500*	59.2	47.3	51 600*	62.6	47.8	52 900										18.0
20.0	46.9	44.4	40 600*	49.6	45.1	43 100*	53.5	46.0	46 600*	57.1	46.6	46 100										20.0
22.0	40.0	42.2	35 700*	43.0	43.1	37 600*	47.3	44.3	41 000*	51.3	45.2	40 900	57.3	46.2	39 700							22.0
24.0	31.8	39.3	31 800*	35.5	40.6	33 300*	40.4	42.1	35 900*	44.8	43.3	36 600	51.5	44.7	35 500							24.0
26.0	20.8	35.1	27 400*	26.0	37.1	29 800*	32.3	39.3	31 900*	37.6	40.9	33 100	45.1	42.8	32 100	51.5	44.0	31 100				26.0
28.0							21.6	35.2	28 200*	28.8	37.8	30 100	37.8	40.5	29 200	45.1	42.2	28 300	51.3	43.1	27 400	28.0
30.0										15.8	32.7	26 400	29.1	37.4	26 700	37.9	39.8	25 900	44.9	41.2	25 100	30.0
32.0													16.4	32.4	24 600	29.1	36.7	23 900	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

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	45 700*	59.9	50.3	47 700*	63.0	50.9	50 700*													18.0
20.0	52.7	48.4	40 500*	54.9	49.0	43 000*	58.1	49.7	45 900*	61.2	50.2	46 000										20.0
22.0	47.2	46.7	35 600*	49.6	47.4	37 500*	53.0	48.3	41 000*	56.3	49.0	40 800	61.3	49.7	39 600							22.0
24.0	41.1	44.6	31 700*	43.7	45.4	33 200*	47.5	46.6	35 800*	51.0	47.5	36 500	56.4	48.5	35 400							24.0
26.0	34.1	41.9	28 400*	37.2	43.0	29 700*	41.4	44.5	31 900*	45.3	45.6	33 000	51.2	47.0	32 000	56.4	47.8	30 900				26.0
28.0	25.4	38.3	25 500*	29.4	39.9	26 800*	34.5	41.8	28 600*	39.0	43.3	30 100	45.5	45.2	29 100	51.2	46.3	28 100				28.0
30.0	11.7	32.0	19 500*	18.8	35.2	23 300*	26.0	38.3	25 800*	31.6	40.4	27 400	39.2	42.9	26 700	45.5	44.5	25 800				30.0
32.0							12.9	32.4	22 000*	22.1	36.3	24 900*	31.9	40.0	24 500	39.3	42.2	23 800	45.4	43.5	23 000	32.0
34.0													22.5	36.0	22 700	31.9	39.3	21 900	39.1	41.3	21 200	34.0
36.0																22.5	35.3	20 300	31.7	38.4	19 700	36.0
38.0																			22.2	34.3	18 300	38.0

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	40 600*	58.9	52.7	42 400*	61.6	53.2	45 100*	64.3	53.7	45 800										20.0
22.0	52.3	50.7	35 500*	54.3	51.3	37 500*	57.2	52.0	40 800*	60.0	52.6	40 600										22.0
24.0	47.4	49.0	31 600*	49.5	49.7	33 200*	52.6	50.6	35 800*	55.6	51.3	36 300	60.2	52.1	35 200							24.0
26.0	41.9	46.9	28 300*	44.3	47.8	29 600*	47.7	48.9	31 800*	50.8	49.8	32 800	55.7	50.8	31 700							26.0
28.0	35.8	44.4	25 600*	38.5	45.4	26 700*	42.3	46.8	28 500*	45.7	47.9	29 900	51.0	49.3	28 900	55.7	50.1	28 000				28.0
30.0	28.6	41.1	23 300*	31.9	42.5	24 200*	36.2	44.3	25 700*	40.1	45.7	27 300	45.9	47.5	26 500	51.0	48.6	25 600				30.0
32.0	19.0	36.4	20 500*	23.6	38.6	22 100*	29.1	41.1	23 400*	33.7	43.0	24 800*	40.3	45.3	24 400	45.9	46.8	23 500	50.8	47.7	22 700	32.0
34.0							19.7	36.5	21 100*	26.0	39.4	22 600*	34.0	42.6	22 500	40.3	44.6	21 800	45.8	45.9	21 000	34.0
36.0										14.8	33.8	20 000*	26.3	39.0	20 900	34.0	41.9	20 200	40.2	43.6	19 500	36.0
38.0													15.3	33.5	19 400	26.3	38.3	18 800	33.8	40.9	18 100	38.0
40.0																			26.1	37.3	16 900	40.0
42.0																			15.0	31.8	15 800	42.0

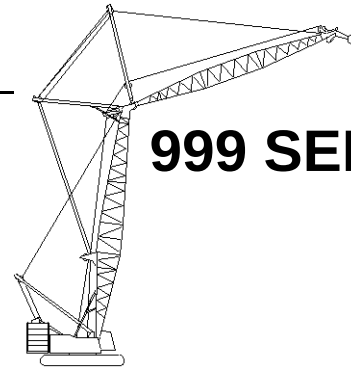


Liftcrane Luffing Jib Capacities

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**

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



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	40 000*	62.0	56.2	41 700*	64.4	56.7	44 200*	66.8	57.0	45 800										20.0
22.0	56.3	54.5	35 600*	58.0	55.0	37 600*	60.6	55.6	40 300*	63.0	56.1	40 500										22.0
24.0	52.0	53.0	31 500*	53.9	53.6	33 200*	56.5	54.4	35 900*	59.1	54.9	36 300										24.0
26.0	47.5	51.3	28 300*	49.5	52.0	29 600*	52.3	52.9	31 800*	55.0	53.6	32 800	59.2	54.5	31 700							26.0
28.0	42.6	49.2	25 600*	44.7	50.1	26 700*	47.8	51.2	28 500*	50.6	52.1	29 900	55.1	53.1	28 900							28.0
30.0	37.2	46.8	23 300*	39.6	47.8	24 200*	42.9	49.1	25 700*	46.0	50.2	27 300	50.8	51.6	26 400	55.1	52.4	25 500				30.0
32.0	31.0	43.8	21 300*	33.8	45.1	22 000*	37.5	46.7	23 400*	41.0	48.1	24 800*	46.2	49.8	24 300	50.8	50.9	23 500				32.0
34.0	23.3	39.8	19 400*	26.9	41.6	20 200*	31.4	43.7	21 300*	35.4	45.5	22 600*	41.2	47.6	22 500	46.2	49.1	21 700	50.7	50.0	20 900	34.0
36.0	11.4	33.1	15 200*	17.5	36.5	17 900*	23.9	39.8	19 600*	28.8	42.2	20 700*	35.6	45.0	20 900	41.2	46.9	20 100	46.1	48.2	19 400	36.0
38.0							12.5	33.5	17 000*	20.4	37.7	19 000*	29.0	41.8	19 400	35.6	44.4	18 700	41.0	46.0	18 100	38.0
40.0													20.7	37.3	18 100	29.1	41.1	17 500	35.4	43.4	16 900	40.0
42.0																20.8	36.7	16 400	28.9	40.1	15 800	42.0
44.0																			20.5	35.6	14 800	44.0

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

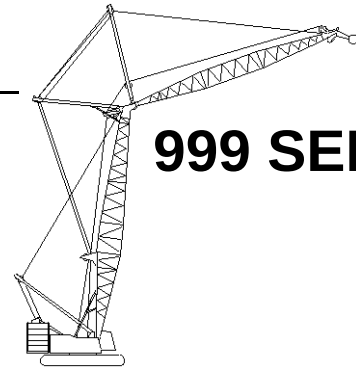
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	39 200*	64.5	59.6	40 800*	66.7	60.0	43 100*													20.0
22.0	59.4	58.1	35 500*	61.0	58.6	37 200*	63.2	59.1	39 600*	65.4	59.5	40 400										22.0
24.0	55.7	56.8	31 400*	57.3	57.3	33 000*	59.6	58.0	35 700*	61.9	58.5	36 100										24.0
26.0	51.8	55.3	28 100*	53.5	55.9	29 400*	55.9	56.7	31 600*	58.3	57.3	32 600	62.0	58.0	31 500							26.0
28.0	47.6	53.6	25 300*	49.4	54.3	26 500*	52.0	55.2	28 300*	54.5	55.9	29 700	58.4	56.8	28 600							28.0
30.0	43.2	51.6	23 000*	45.1	52.4	24 000*	47.9	53.5	25 500*	50.5	54.4	27 100	54.6	55.5	26 200							30.0
32.0	38.3	49.2	21 000*	40.4	50.2	21 900*	43.5	51.5	23 200*	46.3	52.5	24 600*	50.6	53.9	24 100	54.6	54.8	23 300				32.0
34.0	32.9	46.3	19 300*	35.3	47.6	20 000*	38.6	49.1	21 100*	41.7	50.4	22 400*	46.4	52.1	22 300	50.7	53.2	21 500				34.0
36.0	26.4	42.7	17 800*	29.3	44.3	18 400*	33.2	46.3	19 400*	36.7	47.9	20 400*	41.9	50.0	20 700	46.4	51.4	19 900	50.5	52.3	19 200	36.0
38.0	17.8	37.7	15 800*	21.9	40.0	17 000*	26.8	42.7	17 800*	31.0	44.9	18 800*	36.9	49.3	19 300	41.9	49.3	18 600	46.3	50.5	17 800	38.0
40.0							18.4	37.8	16 300*	24.0	40.9	17 300*	31.2	47.4	18 000	36.9	46.8	17 300	41.8	48.4	16 700	40.0
42.0										14.1	34.9	15 600*	24.3	40.5	16 800	31.2	43.8	16 200	36.7	45.9	15 600	42.0
44.0													14.5	34.7	15 700	24.3	39.9	15 200	31.0	42.8	14 600	44.0
46.0																			24.1	38.9	13 700	46.0
48.0																			14.2	32.9	12 900	48.0



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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.0	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	38 500*	66.6	63.0	40 000*	68.6	63.4	42 100*													20.0
22.0	62.0	61.6	35 200*	63.4	62.0	36 800*	65.4	62.5	38 800*													22.0
24.0	58.7	60.5	31 400*	60.1	60.9	33 000*	62.2	61.5	35 500*	64.3	61.9	36 000										24.0
26.0	55.2	59.1	28 100*	56.7	59.7	29 400*	58.9	60.3	31 600*	61.0	60.8	32 500										26.0
28.0	51.6	57.6	25 300*	53.1	58.2	26 400*	55.4	59.0	28 200*	57.6	59.6	29 500	61.1	60.4	28 500							28.0
30.0	47.7	55.9	23 000*	49.4	56.6	23 900*	51.8	57.5	25 500*	54.1	58.2	27 000	57.7	59.1	26 100							30.0
32.0	43.7	53.9	21 000*	45.4	54.7	21 800*	48.0	55.8	23 100*	50.4	56.7	24 500	54.2	57.8	23 900	57.7	58.5	23 100				32.0
34.0	39.2	51.6	19 200*	41.2	52.5	19 900*	43.9	53.8	21 000*	46.5	54.8	22 300*	50.5	56.2	22 100	54.2	57.1	21 300				34.0
36.0	34.3	48.9	17 700*	36.5	50.0	18 300*	39.5	51.5	19 300*	42.3	52.8	20 400*	46.6	54.4	20 500	50.5	55.5	19 800				36.0
38.0	28.7	45.5	16 300*	31.2	47.0	16 800*	34.6	48.8	17 700*	37.8	50.3	18 700*	42.5	52.3	19 100	46.6	53.7	18 400				38.0
40.0	21.8	41.2	15 000*	25.0	43.1	15 600*	29.1	45.5	16 400*	32.7	47.4	17 200*	37.9	49.9	17 900	42.5	51.6	17 100	46.5	52.8	16 500	40.0
42.0	11.2	34.2	12 000*	16.6	37.7	14 000*	22.2	41.2	15 200*	26.7	43.9	15 900*	32.8	47.0	16 700	37.9	49.2	16 000	42.3	50.7	15 400	42.0
44.0							12.1	34.5	13 300*	19.1	39.0	14 700*	26.9	43.5	15 600	32.9	46.3	15 100	37.8	48.3	14 500	44.0
46.0													19.4	38.7	14 700	27.0	42.8	14 200	32.7	45.4	13 600	46.0
48.0																19.5	38.0	13 300	26.8	41.8	12 800	48.0
50.0																			19.2	37.0	12 000	50.0

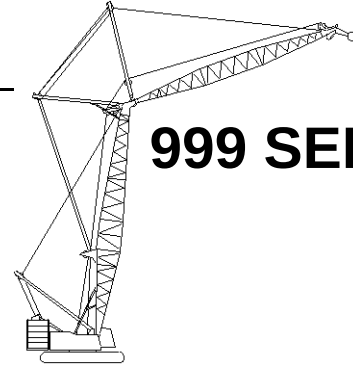


Liftcrane Luffing Jib Capacities

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**

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



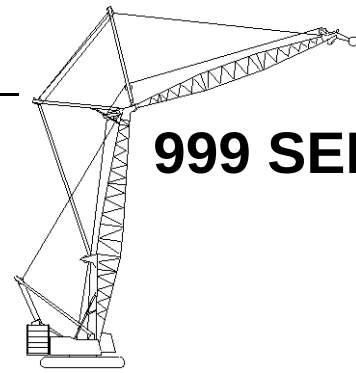
24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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	34 600*	65.4	65.4	36 000*	67.3	65.8	37 800*													22.0
24.0	61.1	64.0	31 300*	62.4	64.4	32 800*	64.4	64.9	35 100*	66.2	65.3	35 800										24.0
26.0	58.0	62.8	27 800*	59.4	63.3	29 200*	61.3	63.9	31 400*	63.2	64.3	32 200										26.0
28.0	54.8	61.5	25 100*	56.2	62.0	26 200*	58.2	62.7	28 000*	60.2	63.2	29 300										28.0
30.0	51.4	59.9	22 700*	52.8	60.5	23 700*	55.0	61.3	25 200*	57.0	62.0	26 800	60.3	62.7	25 800							30.0
32.0	47.8	58.2	20 700*	49.4	58.9	21 500*	51.6	59.8	22 900*	53.7	60.5	24 300	57.1	61.5	23 700							32.0
34.0	44.1	56.2	19 000*	45.7	57.0	19 700*	48.0	58.1	20 900*	50.3	59.0	22 100*	53.8	60.1	21 900	57.1	60.8	21 100				34.0
36.0	40.0	54.0	17 400*	41.8	54.9	18 100*	44.3	56.1	19 100*	46.7	57.2	20 200*	50.4	58.5	20 300	53.8	59.4	19 500				36.0
38.0	35.6	51.3	16 100*	37.5	52.4	16 600*	40.2	53.9	17 500*	42.8	55.1	18 500*	46.8	56.7	18 900	50.4	57.8	18 200				38.0
40.0	30.6	48.2	14 900*	32.8	49.5	15 400*	35.8	51.3	16 200*	38.7	52.7	17 000*	42.9	54.6	17 600	46.8	56.0	16 900	50.3	56.9	16 300	40.0
42.0	24.7	44.3	13 800*	27.3	46.0	14 200*	30.9	48.2	14 900*	34.1	50.0	15 700*	38.8	52.3	16 500	43.0	54.0	15 800	46.7	55.1	15 200	42.0
44.0	16.9	38.9	12 300*	20.6	41.4	13 200*	25.1	44.3	13 800*	28.8	46.6	14 500*	34.2	49.5	15 500	38.8	51.6	14 800	42.9	53.0	14 200	44.0
46.0							17.5	39.0	12 700*	22.5	42.4	13 500*	29.0	46.2	14 500	34.3	48.9	13 900	38.7	50.7	13 300	46.0
48.0										13.6	36.0	12 200*	22.8	42.0	13 400*	29.1	45.5	13 100	34.1	47.9	12 500	48.0
50.0													14.0	35.8	12 500*	22.8	41.3	12 300	28.9	44.6	11 800	50.0
52.0																			22.6	40.3	11 100	52.0
54.0																			13.7	34.0	10 500	54.0

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**

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



999 SERIES 3

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	34 000*	67.2	68.8	35 200*	68.9	69.1	37 000*													22.0
24.0	63.2	67.5	31 000*	64.4	67.8	32 500*	66.2	68.3	34 300*													24.0
26.0	60.4	66.4	27 800*	61.6	66.8	29 100*	63.4	67.3	31 300*	65.2	67.7	32 100										26.0
28.0	57.4	65.2	25 000*	58.7	65.6	26 100*	60.5	66.2	28 000*	62.3	66.7	29 200										28.0
30.0	54.4	63.8	22 700*	55.7	64.3	23 600*	57.6	65.0	25 200*	59.5	65.6	26 700										30.0
32.0	51.2	62.2	20 600*	52.6	62.8	21 500*	54.6	63.6	22 800*	56.5	64.3	24 300	59.6	65.1	23 700							32.0
34.0	47.9	60.5	18 900*	49.3	61.2	19 600*	51.4	62.1	20 800*	53.4	62.9	22 000*	56.6	63.8	21 900							34.0
36.0	44.4	58.5	17 400*	45.9	59.3	18 000*	48.1	60.4	19 000*	50.2	61.3	20 100*	53.5	62.4	20 300	56.6	63.1	19 500				36.0
38.0	40.7	56.3	16 000*	42.3	57.2	16 600*	44.6	58.4	17 400*	46.8	59.5	18 400*	50.3	60.8	18 800	53.5	61.7	18 100				38.0
40.0	36.6	53.8	14 800*	38.4	54.8	15 300*	40.9	56.2	16 100*	43.3	57.4	16 900*	46.9	59.0	17 600	50.3	60.1	16 900				40.0
42.0	32.1	50.8	13 700*	34.1	52.1	14 100*	36.8	53.7	14 900*	39.4	55.1	15 600*	43.4	57.0	16 500	47.0	58.3	15 800	50.2	59.2	15 100	42.0
44.0	26.9	47.2	12 700*	29.2	48.7	13 100*	32.4	50.8	13 700*	35.2	52.4	14 400*	39.6	54.7	15 400	43.4	56.3	14 800	46.9	57.4	14 100	44.0
46.0	20.6	42.5	11 800*	23.5	44.6	12 200*	27.3	47.2	12 800*	30.6	49.3	13 400*	35.4	52.0	14 500	39.6	54.0	13 900	43.3	55.4	13 300	46.0
48.0	11.1	35.3	9 400*	15.8	38.9	11 000*	21.0	42.6	11 900*	25.1	45.4	12 400*	30.7	48.9	13 400*	35.4	51.3	13 000	39.5	53.0	12 500	48.0
50.0							11.9	35.6	10 500*	18.2	40.3	11 500*	25.3	45.0	12 400*	30.8	48.2	12 300	35.3	50.4	11 800	50.0
52.0													18.4	39.9	11 500*	25.3	44.4	11 600	30.6	47.2	11 100	52.0
54.0																18.5	39.3	10 900	25.2	43.4	10 500	54.0
56.0																			18.2	38.2	9 900	56.0

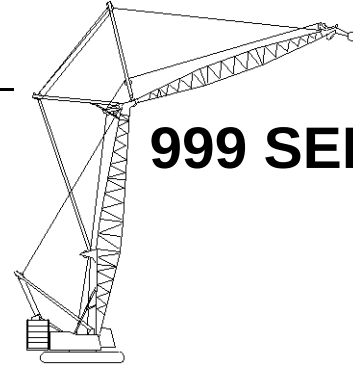


Liftcrane Luffing Jib Capacities

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**

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



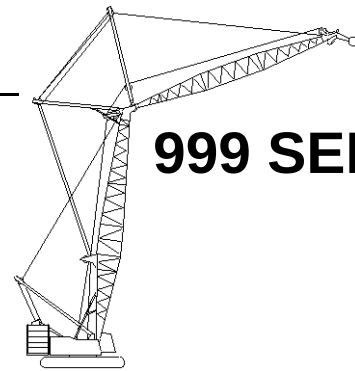
24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	30 600*	66.1	71.2	31 800*	67.8	71.6	33 300*													24.0
26.0	62.4	69.9	27 600*	63.5	70.2	28 900*	65.2	70.7	31 000*	66.8	71.1	32 000										26.0
28.0	59.7	68.7	24 800*	60.9	69.2	25 900*	62.6	69.7	27 800*	64.2	70.1	29 000										28.0
30.0	56.9	67.5	22 500*	58.1	68.0	23 400*	59.9	68.6	24 900*	61.6	69.1	26 500										30.0
32.0	54.1	66.1	20 400*	55.3	66.6	21 300*	57.1	67.3	22 600*	58.8	67.9	24 000	61.7	68.6	23 400							32.0
34.0	51.1	64.5	18 700*	52.4	65.1	19 400*	54.2	65.9	20 500*	56.0	66.6	21 800*	58.9	67.4	21 600							34.0
36.0	48.0	62.8	17 200*	49.3	63.5	17 800*	51.3	64.4	18 800*	53.1	65.2	19 900*	56.1	66.1	20 000							36.0
38.0	44.7	60.9	15 800*	46.1	61.6	16 300*	48.2	62.7	17 200*	50.1	63.6	18 200*	53.2	64.7	18 600							38.0
40.0	41.2	58.7	14 600*	42.7	59.6	15 100*	44.9	60.7	15 900*	47.0	61.8	16 700*	50.2	63.1	17 400	53.3	64.0	16 700				40.0
42.0	37.5	56.2	13 500*	39.1	57.2	13 900*	41.4	58.6	14 600*	43.6	59.7	15 400*	47.1	61.3	16 200	50.2	62.4	15 500				42.0
44.0	33.4	53.3	12 500*	35.2	54.5	12 900*	37.7	56.1	13 500*	40.1	57.5	14 200*	43.7	59.3	15 200	47.1	60.6	14 600	50.2	61.5	13 900	44.0
46.0	28.8	50.0	11 600*	30.8	51.4	12 000*	33.6	53.3	12 600*	36.2	54.9	13 100*	40.2	57.0	14 300	43.8	58.6	13 700	47.0	59.7	13 000	46.0
48.0	23.3	45.8	10 800*	25.8	47.6	11 200*	29.1	49.9	11 600*	32.0	51.9	12 200*	36.4	54.5	13 200*	40.2	56.4	12 900	43.7	57.7	12 300	48.0
50.0	16.2	40.1	9 600*	19.5	42.7	10 400*	23.7	45.8	10 900*	27.2	48.3	11 300*	32.1	51.5	12 200*	36.4	53.8	12 100	40.1	55.4	11 500	50.0
52.0							16.7	40.2	10 000*	21.3	43.8	10 500*	27.3	47.9	11 300*	32.2	50.8	11 400	36.3	52.8	10 900	52.0
54.0										13.2	37.1	9 700*	21.6	43.4	10 500*	27.4	47.2	10 800	32.0	49.8	10 200	54.0
56.0													13.6	36.9	9 800*	21.6	42.7	10 100	27.2	46.2	9 700	56.0
58.0																			21.4	41.7	9 100	58.0
60.0																			13.3	35.1	8 600	60.0

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**

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



999 SERIES 3

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	30 200*	67.6	74.5	31 100*	69.1	74.9	32 500*													24.0
26.0	64.2	73.3	27 600*	65.2	73.6	29 000*	66.7	74.1	30 400*													26.0
28.0	61.7	72.3	24 800*	62.7	72.6	25 900*	64.3	73.1	27 900*	65.8	73.5	28 900										28.0
30.0	59.1	71.1	22 400*	60.2	71.5	23 400*	61.8	72.1	25 000*	63.4	72.5	26 400										30.0
32.0	56.5	69.8	20 400*	57.6	70.3	21 200*	59.3	70.9	22 500*	60.9	71.5	24 000										32.0
34.0	53.8	68.4	18 600*	54.9	68.9	19 300*	56.6	69.7	20 500*	58.3	70.3	21 800*	61.0	71.0	21 500							34.0
36.0	51.0	66.8	17 000*	52.2	67.4	17 700*	53.9	68.3	18 700*	55.6	68.9	19 800*	58.4	69.8	19 900							36.0
38.0	48.0	65.1	15 700*	49.3	65.8	16 200*	51.1	66.7	17 100*	52.9	67.5	18 100*	55.7	68.5	18 500							38.0
40.0	45.0	63.2	14 400*	46.3	63.9	15 000*	48.2	65.0	15 800*	50.1	65.9	16 600*	53.0	67.0	17 200	55.7	67.8	16 500				40.0
42.0	41.7	61.0	13 300*	43.1	61.9	13 800*	45.1	63.1	14 500*	47.1	64.1	15 300*	50.2	65.4	16 100	53.0	66.3	15 400				42.0
44.0	38.2	58.6	12 400*	39.7	59.6	12 800*	41.9	60.9	13 400*	44.0	62.1	14 100*	47.2	63.6	15 000	50.2	64.7	14 400				44.0
46.0	34.5	55.8	11 500*	36.1	57.0	11 800*	38.5	58.5	12 400*	40.7	59.8	13 000*	44.1	61.6	14 100	47.2	62.9	13 500	50.1	63.8	12 900	46.0
48.0	30.3	52.6	10 700*	32.1	54.0	11 000*	34.7	55.8	11 500*	37.1	57.3	12 100*	40.8	59.4	13 000*	44.1	60.9	12 700	47.1	62.0	12 100	48.0
50.0	25.5	48.8	9 900*	27.6	50.4	10 200*	30.5	52.6	10 700*	33.2	54.4	11 200*	37.2	56.9	12 100*	40.8	58.7	11 900	44.0	60.0	11 300	50.0
52.0	19.6	43.9	9 200*	22.3	46.1	9 500*	25.8	48.8	10 000*	28.9	51.1	10 400*	33.3	54.0	11 200*	37.2	56.2	11 200	40.7	57.8	10 700	52.0
54.0	11.0	36.3	7 300*	15.3	40.0	8 600*	20.0	44.0	9 300*	23.8	46.9	9 700*	29.0	50.7	10 400*	33.4	53.3	10 600	37.1	55.3	10 100	54.0
56.0							11.7	36.7	8 200*	17.4	41.5	9 000*	24.0	46.6	9 700*	29.0	50.0	10 000	33.2	52.4	9 500	56.0
58.0													17.6	41.2	9 000*	24.0	45.9	9 500	28.9	49.0	9 000	58.0
60.0																17.7	40.5	8 900	23.9	44.9	8 500	60.0
62.0																			17.5	39.5	8 000	62.0
64.0																			6.3	29.6	7 500	64.0

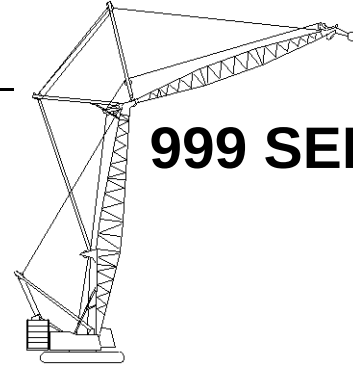


Liftcrane Luffing Jib Capacities

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

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



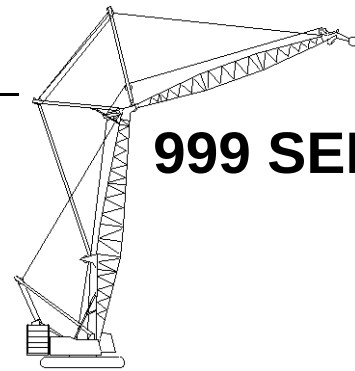
24.4m (80 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

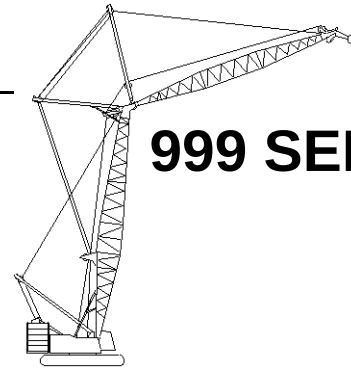


Liftcrane Luffing Jib Capacities

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**

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



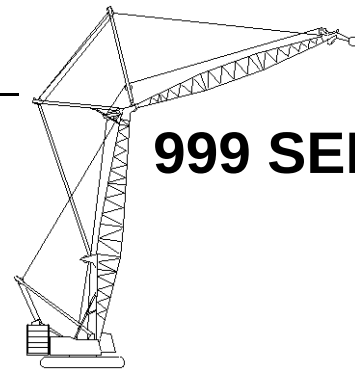
24.4m (80 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

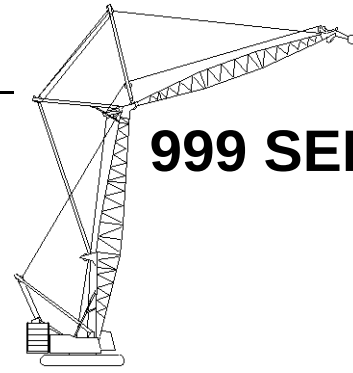


Liftcrane Luffing Jib Capacities

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**

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



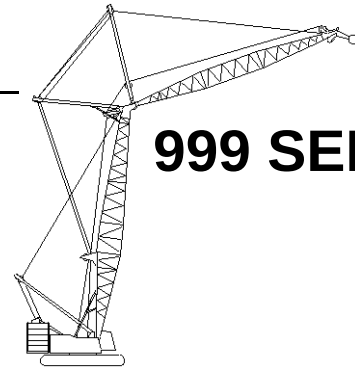
24.4m (80 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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	18 600*	64.9	87.1	18 700*	66.1	87.5	20 000*										34.0
36.0	60.9	85.2	16 100*	61.7	85.6	16 900*	63.0	86.2	17 900*	64.2	86.6	19 200*										36.0
38.0	58.9	84.1	14 800*	59.8	84.5	15 400*	61.0	85.1	16 300*	62.3	85.5	17 300*										38.0
40.0	56.9	82.8	13 600*	57.8	83.3	14 100*	59.1	83.9	14 900*	60.3	84.4	15 800*	62.3	85.1	16 300							40.0
42.0	54.8	81.4	12 500*	55.7	81.9	12 900*	57.0	82.6	13 600*	58.3	83.2	14 400*	60.4	83.9	15 100							42.0
44.0	52.7	79.9	11 400*	53.6	80.5	11 800*	55.0	81.3	12 500*	56.3	81.9	13 200*	58.4	82.7	14 100							44.0
46.0	50.5	78.3	10 500*	51.5	79.0	10 900*	52.8	79.8	11 500*	54.2	80.5	12 100*	56.3	81.5	13 200							46.0
48.0	48.3	76.6	9 700*	49.2	77.3	10 100*	50.6	78.2	10 600*	52.0	79.0	11 200*	54.2	80.0	12 200*	56.3	80.8	11 700				48.0
50.0	45.9	74.7	9 000*	46.9	75.5	9 300*	48.4	76.5	9 800*	49.8	77.4	10 300*	52.1	78.5	11 200*	54.3	79.4	11 000				50.0
52.0	43.5	72.7	8 300*	44.5	73.5	8 600*	46.0	74.6	9 000*	47.5	75.6	9 500*	49.9	76.9	10 300*	52.1	77.8	10 300				52.0
54.0	40.9	70.4	7 600*	42.0	71.3	7 900*	43.6	72.6	8 300*	45.2	73.6	8 700*	47.6	75.1	9 500*	49.9	76.2	9 700	52.0	76.9	9 100	54.0
56.0	38.2	68.0	7 100*	39.4	69.0	7 300*	41.1	70.3	7 700*	42.7	71.5	8 100*	45.2	73.2	8 700*	47.6	74.4	9 100	49.8	75.3	8 600	56.0
58.0	35.3	65.3	6 500*	36.6	66.4	6 700*	38.4	67.9	7 100*	40.1	69.2	7 500*	42.8	71.1	8 100*	45.2	72.5	8 600	47.6	73.5	8 000	58.0
60.0	32.2	62.2	6 000*	33.6	63.5	6 200*	35.5	65.2	6 600*	37.3	66.7	6 900*	40.2	68.8	7 400*	42.8	70.4	8 100	45.2	71.6	7 600	60.0
62.0	28.8	58.8	5 600*	30.3	60.3	5 700*	32.4	62.2	6 000*	34.4	63.9	6 300*	37.4	66.3	6 900*	40.2	68.1	7 500*	42.7	69.5	7 100	62.0
64.0	25.0	54.8	5 100*	26.7	56.5	5 300*	29.0	58.8	5 600*	31.2	60.8	5 800*	34.5	63.5	6 300*	37.4	65.6	6 900*	40.1	67.2	6 700	64.0
66.0	20.5	50.0	4 700*	22.5	52.1	4 800*	25.2	54.8	5 100*	27.7	57.2	5 400*	31.3	60.4	5 900*	34.5	62.8	6 400*	37.3	64.7	6 300	66.0
68.0	14.8	43.5	4 000*	17.4	46.5	4 400*	20.8	50.1	4 700*	23.7	53.0	4 900*	27.8	56.8	5 400*	31.3	59.7	5 800*	34.4	61.9	6 000	68.0
70.0	3.7	30.8	2 100*	10.1	38.1	3 400*	15.2	43.8	4 300*	18.9	47.7	4 500*	23.8	52.6	5 000*	27.8	56.1	5 400*	31.2	58.7	5 600	70.0
72.0										12.4	40.4	4 100*	19.1	47.4	4 500*	23.8	51.9	5 000*	27.7	55.1	5 200	72.0
74.0													12.7	40.2	4 100*	19.1	46.7	4 500*	23.7	50.9	4 900	74.0
76.0																12.7	39.6	4 100*	19.0	45.7	4 500*	76.0
78.0																			12.5	38.4	4 100*	78.0

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**

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



999 SERIES 3

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

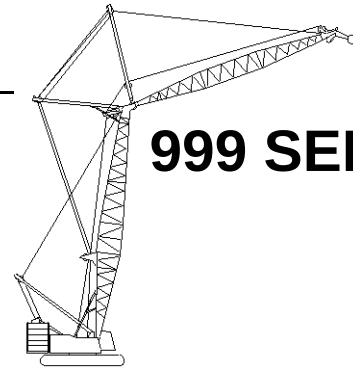


Liftcrane Luffing Jib Capacities

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

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



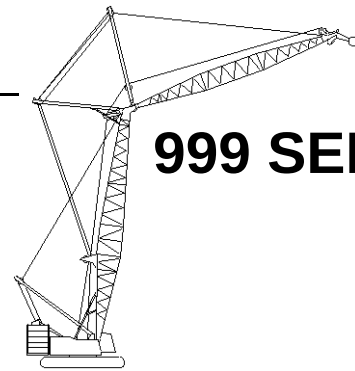
24.4m (80 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	16 100*	65.4	92.9	16 100*	66.5	93.3	17 400*										36.0
38.0	61.8	91.1	13 800*	62.5	91.5	15 000*	63.6	92.0	15 800*	64.7	92.4	16 900*										38.0
40.0	60.0	90.0	13 200*	60.7	90.4	13 600*	61.9	90.9	14 500*	63.0	91.4	15 400*										40.0
42.0	58.1	88.8	12 100*	58.9	89.2	12 500*	60.1	89.8	13 200*	61.2	90.3	14 000*										42.0
44.0	56.3	87.5	11 000*	57.1	88.0	11 400*	58.3	88.6	12 100*	59.4	89.1	12 800*	61.3	89.8	13 800							44.0
46.0	54.4	86.1	10 100*	55.2	86.6	10 500*	56.4	87.3	11 100*	57.6	87.9	11 700*	59.5	88.7	12 900							46.0
48.0	52.4	84.6	9 300*	53.2	85.1	9 700*	54.5	85.9	10 200*	55.7	86.6	10 800*	57.6	87.4	11 800*							48.0
50.0	50.4	82.9	8 500*	51.3	83.6	8 900*	52.5	84.4	9 400*	53.8	85.1	9 900*	55.7	86.1	10 800*							50.0
52.0	48.3	81.2	7 900*	49.2	81.9	8 100*	50.5	82.8	8 600*	51.8	83.6	9 100*	53.8	84.7	9 900*	55.8	85.4	10 000				52.0
54.0	46.2	79.3	7 200*	47.1	80.1	7 500*	48.4	81.1	7 900*	49.7	82.0	8 300*	51.8	83.1	9 100*	53.8	84.0	9 300				54.0
56.0	43.9	77.3	6 600*	44.9	78.1	6 900*	46.3	79.2	7 300*	47.7	80.2	7 600*	49.8	81.5	8 400*	51.9	82.5	8 800				56.0
58.0	41.6	75.1	6 100*	42.6	76.0	6 300*	44.1	77.2	6 700*	45.5	78.3	7 000*	47.7	79.7	7 700*	49.8	80.8	8 200	51.8	81.5	7 700	58.0
60.0	39.2	72.8	5 600*	40.2	73.7	5 800*	41.8	75.0	6 100*	43.2	76.2	6 500*	45.6	77.8	7 100*	47.7	79.0	7 700	49.8	79.9	7 200	60.0
62.0	36.6	70.2	5 100*	37.7	71.2	5 300*	39.3	72.7	5 600*	40.9	74.0	5 900*	43.3	75.7	6 500*	45.6	77.1	7 100*	47.7	78.1	6 800	62.0
64.0	33.9	67.3	4 700*	35.1	68.5	4 900*	36.8	70.1	5 200*	38.4	71.5	5 400*	41.0	73.5	5 900*	43.3	75.1	6 500*	45.5	76.2	6 300	64.0
66.0	30.9	64.1	4 300*	32.2	65.4	4 400*	34.1	67.2	4 700*	35.8	68.8	5 000*	38.5	71.1	5 500*	41.0	72.8	5 900*	43.3	74.1	5 900	66.0
68.0	27.7	60.5	3 900*	29.1	62.0	4 100*	31.1	64.1	4 300*	33.0	65.9	4 600*	35.9	68.4	5 000*	38.5	70.4	5 400*	40.9	71.9	5 600	68.0
70.0	24.1	56.3	3 600*	25.7	58.1	3 700*	27.9	60.5	3 900*	30.0	62.6	4 100*	33.1	65.5	4 600*	35.9	67.7	5 000*	38.4	69.5	5 200	70.0
72.0	19.8	51.3	3 200*	21.7	53.5	3 300*	24.3	56.4	3 600*	26.6	58.8	3 800*	30.1	62.2	4 100*	33.1	64.8	4 500*	35.8	66.8	4 900	72.0
74.0	14.4	44.7	2 700*	16.9	47.7	3 000*	20.1	51.4	3 200*	22.8	54.4	3 400*	26.7	58.4	3 800*	30.1	61.5	4 100*	33.0	63.8	4 500	74.0
76.0				10.1	39.2	2 100*	14.8	44.9	2 900*	18.3	49.0	3 100*	23.0	54.1	3 400*	26.8	57.8	3 800*	30.0	60.5	4 100*	76.0
78.0										12.3	41.5	2 700*	18.5	48.7	3 100*	23.0	53.4	3 400*	26.7	56.8	3 800*	78.0
80.0													12.5	41.3	2 700*	18.5	48.0	3 100*	22.9	52.4	3 300*	80.0
82.0																12.5	40.7	2 700*	18.4	47.0	3 000*	82.0
84.0																			12.3	39.5	2 700*	84.0

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	61 600*b													16.0
18.0	47.0	45.2	49 100*	50.5	46.0	51 400*	55.4	47.0	53 900	59.9	47.6	52 700b										18.0
20.0	39.0	43.0	43 900*	43.0	44.1	46 600*	48.4	45.3	47 000	53.4	46.3	46 000	60.9	47.3	44 500b							20.0
22.0	29.1	39.9	38 500*	34.1	41.5	41 100*	40.6	43.2	41 700	46.3	44.5	40 800	54.5	45.9	39 400							22.0
24.0	13.6	34.5	28 800*	22.4	37.6	35 300*	31.2	40.3	37 300	38.1	42.2	36 500	47.5	44.3	35 300							24.0
26.0										27.9	39.0	33 000	39.5	42.1	31 900	48.4	43.7	30 800				26.0
28.0													29.8	39.1	29 100	40.6	41.6	28 100	49.1	42.9	27 100	28.0
30.0													15.0	33.9	26 600	31.2	38.8	25 700	41.4	40.9	24 800	30.0
32.0																17.7	34.1	23 600	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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	60 200*b													16.0
18.0	53.5	49.2	48 000*	56.2	49.9	50 300*	60.2	50.6	53 400	64.0	51.1	52 500										18.0
20.0	47.3	47.5	43 800*	50.3	48.3	45 700*	54.6	49.3	46 800	58.6	50.0	45 800										20.0
22.0	40.4	45.4	38 500*	43.8	46.4	40 900*	48.5	47.6	41 500	52.9	48.6	40 600	59.5	49.6	39 200							22.0
24.0	32.2	42.6	34 300*	36.3	43.9	36 200*	41.8	45.6	37 200	46.6	46.8	36 400	53.8	48.3	35 100							24.0
26.0	21.5	38.4	29 900*	27.1	40.6	32 400*	33.9	42.9	33 600	39.6	44.6	32 900	47.7	46.6	31 700	54.6	47.7	30 600				26.0
28.0							23.9	39.1	30 600	31.3	41.7	30 000	40.8	44.4	28 900	48.5	46.0	27 800				28.0
30.0										20.1	37.4	27 400	32.8	41.7	26 500	41.8	44.0	25 500	49.1	45.2	24 600	30.0
32.0													22.3	37.7	24 300	33.9	41.3	23 400	42.4	43.2	22 600	32.0
34.0																23.9	37.6	21 700	34.7	40.6	20 900	34.0
36.0																			25.0	37.0	19 300	36.0
38.0																			6.8	29.5	17 900	38.0

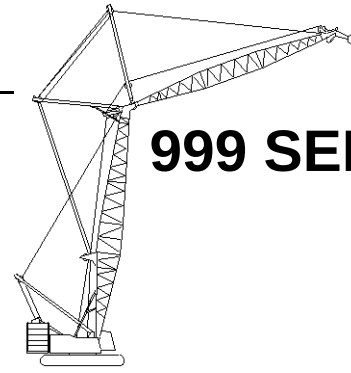


Liftcrane Luffing Jib Capacities

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

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



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	58 900*b													16.0
18.0	58.1	53.0	47 200*	60.4	53.5	49 400*	63.8	54.1	52 900*													18.0
20.0	53.0	51.5	43 000*	55.5	52.2	45 000*	59.0	52.9	46 700	62.4	53.5	45 700										20.0
22.0	47.5	49.8	38 400*	50.2	50.6	40 800*	54.0	51.6	41 400	57.6	52.3	40 500										22.0
24.0	41.4	47.7	34 200*	44.4	48.7	36 000*	48.6	49.9	37 100	52.4	50.9	36 300	58.4	52.0	35 000							24.0
26.0	34.5	45.1	30 700*	37.9	46.4	32 300*	42.6	47.9	33 500	46.9	49.1	32 800	53.3	50.6	31 600							26.0
28.0	26.0	41.5	27 700*	30.3	43.3	29 200*	35.9	45.4	30 500	40.8	47.0	29 900	47.8	48.9	28 800	54.0	50.0	27 700				28.0
30.0	12.8	35.6	21 800*	20.2	38.9	25 900*	27.8	42.1	28 000	33.7	44.3	27 300	41.8	46.8	26 400	48.6	48.3	25 400				30.0
32.0							16.2	36.9	25 300	25.0	40.6	25 200	34.9	44.2	24 300	42.6	46.3	23 400	49.1	47.5	22 400	32.0
34.0													26.6	40.7	22 400	35.9	43.8	21 600	43.2	45.6	20 700	34.0
36.0													14.0	35.1	20 800	27.8	40.5	20 000	36.6	43.1	19 200	36.0
38.0																16.2	35.3	18 600	28.7	39.9	17 900	38.0
40.0																			17.6	35.0	16 700	40.0

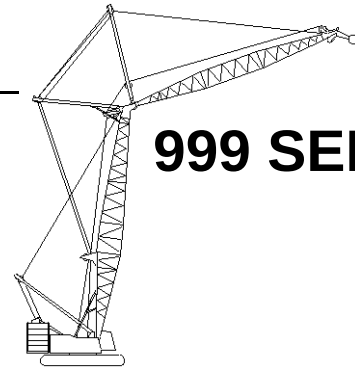
27.4m (90 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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	51 800*													18.0
20.0	57.2	55.3	42 200*	59.3	55.8	44 100*	62.4	56.5	46 600	65.4	56.9	45 500										20.0
22.0	52.6	53.8	38 400*	54.8	54.5	40 300*	58.1	55.3	41 200	61.2	55.9	40 300										22.0
24.0	47.6	52.1	34 000*	50.0	52.9	36 000*	53.5	53.9	36 900	56.8	54.7	36 100										24.0
26.0	42.2	50.1	30 600*	44.9	51.0	32 100*	48.6	52.2	33 400	52.1	53.2	32 600	57.5	54.3	31 400							26.0
28.0	36.2	47.6	27 700*	39.2	48.7	29 000*	43.3	50.2	30 400	47.1	51.4	29 700	52.9	52.9	28 500							28.0
30.0	29.1	44.3	25 300*	32.6	45.9	26 300*	37.4	47.8	27 800	41.6	49.3	27 200	47.9	51.2	26 100	53.5	52.3	25 200				30.0
32.0	19.7	39.8	22 500*	24.6	42.1	24 100*	30.5	44.8	25 600	35.5	46.8	25 000	42.6	49.1	24 100	48.6	50.6	23 100				32.0
34.0							21.8	40.6	23 400*	28.2	43.5	23 200	36.6	46.6	22 300	43.3	48.6	21 400	49.1	49.8	20 500	34.0
36.0										18.5	38.7	21 400	29.5	43.5	20 600	37.4	46.2	19 800	43.8	47.9	19 000	36.0
38.0													20.4	39.0	19 200	30.5	43.2	18 400	38.0	45.5	17 700	38.0
40.0																21.8	39.0	17 200	31.3	42.5	16 500	40.0
42.0																			22.7	38.5	15 400	42.0
44.0																			7.6	30.7	14 400	44.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.1	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	46 100													20.0
22.0	56.5	57.6	37 900*	58.5	58.2	39 700*	61.3	58.8	41 200	64.0	59.4	40 300										22.0
24.0	52.3	56.1	34 000*	54.3	56.8	36 000*	57.3	57.6	36 900	60.1	58.3	36 000										24.0
26.0	47.8	54.4	30 500*	49.9	55.2	32 000*	53.1	56.2	33 300	56.1	57.0	32 600	60.8	57.9	31 300							26.0
28.0	42.9	52.4	27 600*	45.3	53.3	28 900*	48.6	54.5	30 400	51.8	55.5	29 700	56.7	56.6	28 500							28.0
30.0	37.5	50.0	25 200*	40.2	51.1	26 200*	43.8	52.6	27 800	47.3	53.7	27 200	52.5	55.2	26 100							30.0
32.0	31.4	47.0	23 000*	34.4	48.4	24 000*	38.6	50.2	25 500	42.4	51.7	25 000	48.0	53.5	24 000	53.1	54.6	23 000				32.0
34.0	23.8	43.1	21 100*	27.7	45.0	22 100*	32.6	47.4	23 400*	36.9	49.2	23 100	43.2	51.5	22 200	48.6	52.9	21 300				34.0
36.0	12.4	36.7	17 100*	18.7	40.2	19 900*	25.4	43.7	21 500*	30.7	46.1	21 500	37.9	49.1	20 600	43.9	51.0	19 800	49.1	52.1	19 000	36.0
38.0							15.2	38.1	19 500*	22.9	42.1	20 000	31.8	46.1	19 200	38.6	48.6	18 400	44.3	50.2	17 600	38.0
40.0													24.3	42.3	17 900	32.6	45.8	17 200	39.1	47.9	16 500	40.0
42.0													13.3	36.2	16 700	25.4	42.1	16 100	33.2	45.1	15 400	42.0
44.0																15.3	36.5	15 100	26.2	41.5	14 400	44.0
46.0																			16.5	36.2	13 500	46.0

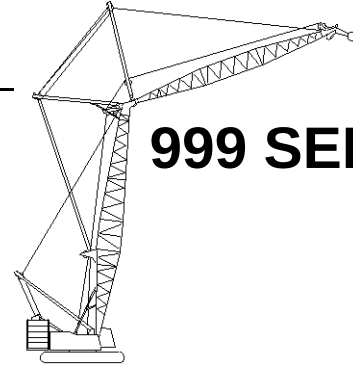


Liftcrane Luffing Jib Capacities

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**

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



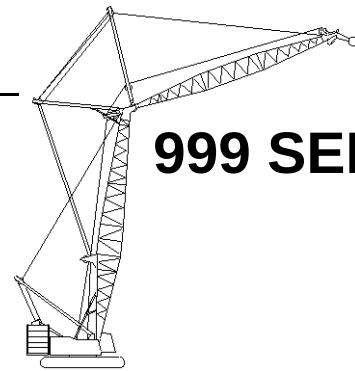
27.4m (90 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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	45 000*													20.0
22.0	59.6	61.2	37 300*	61.4	61.7	38 900*	63.9	62.3	41 100	66.3	62.7	40 100										22.0
24.0	55.9	59.9	33 900*	57.7	60.5	35 600*	60.3	61.2	36 700	62.9	61.7	35 800										24.0
26.0	52.0	58.5	30 300*	53.9	59.1	31 900*	56.6	60.0	33 100	59.3	60.6	32 400										26.0
28.0	47.9	56.7	27 400*	49.9	57.5	28 700*	52.8	58.5	30 200	55.5	59.3	29 500	59.8	60.2	28 300							28.0
30.0	43.4	54.7	24 900*	45.6	55.7	26 000*	48.7	56.8	27 600	51.6	57.8	27 000	56.1	59.0	25 900							30.0
32.0	38.6	52.4	22 800*	41.0	53.5	23 800*	44.3	54.9	25 300	47.4	56.0	24 800	52.2	57.5	23 800	56.6	58.4	22 800				32.0
34.0	33.2	49.6	20 900*	35.8	50.9	21 800*	39.6	52.6	23 100*	43.0	54.0	22 900	48.1	55.8	22 000	52.8	56.9	21 100				34.0
36.0	26.8	46.0	19 400*	30.0	47.7	20 100*	34.3	49.9	21 300*	38.1	51.6	21 300	43.7	53.8	20 400	48.7	55.2	19 500				36.0
38.0	18.4	41.0	17 400*	22.8	43.6	18 600*	28.1	46.5	19 600*	32.6	48.7	19 800	38.9	51.5	19 000	44.3	53.3	18 200	49.1	54.4	17 400	38.0
40.0							20.2	41.9	18 100*	26.0	45.1	18 500	33.5	48.7	17 700	39.6	51.0	17 000	44.7	52.5	16 200	40.0
42.0										17.3	39.9	17 300	27.2	45.2	16 600	34.3	48.3	15 900	40.0	50.3	15 200	42.0
44.0													19.0	40.3	15 600	28.1	44.9	14 900	34.8	47.6	14 200	44.0
46.0																20.3	40.3	14 000	28.7	44.3	13 300	46.0
48.0																			21.1	39.9	12 500	48.0
50.0																			8.2	31.9	11 800	50.0

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	44 100*													20.0
22.0	62.2	64.7	36 600*	63.8	65.2	38 200*	66.0	65.7	40 500													22.0
24.0	58.9	63.6	33 600*	60.5	64.1	35 300*	62.8	64.7	36 600	65.1	65.2	35 700										24.0
26.0	55.4	62.3	30 200*	57.1	62.8	31 800*	59.5	63.6	33 000	61.9	64.1	32 200										26.0
28.0	51.8	60.8	27 300*	53.5	61.4	28 600*	56.1	62.3	30 000	58.5	63.0	29 300										28.0
30.0	47.9	59.0	24 800*	49.8	59.8	25 900*	52.5	60.8	27 500	55.0	61.6	26 800	59.1	62.6	25 700							30.0
32.0	43.9	57.1	22 700*	45.9	58.0	23 600*	48.7	59.1	25 200	51.4	60.1	24 700	55.6	61.3	23 600							32.0
34.0	39.5	54.8	20 800*	41.6	55.8	21 600*	44.7	57.2	23 000*	47.5	58.4	22 800	52.0	59.8	21 900	56.1	60.7	20 900				34.0
36.0	34.6	52.1	19 200*	37.0	53.3	19 900*	40.4	55.0	21 100*	43.4	56.3	21 200	48.2	58.1	20 300	52.5	59.2	19 400				36.0
38.0	29.0	48.8	17 800*	31.8	50.4	18 400*	35.6	52.4	19 500*	39.0	54.0	19 700	44.1	56.1	18 800	48.7	57.5	18 000				38.0
40.0	22.2	44.5	16 500*	25.7	46.6	17 100*	30.2	49.2	18 000*	34.1	51.3	18 400	39.8	53.8	17 600	44.7	55.6	16 800	49.1	56.7	16 000	40.0
42.0	12.0	37.8	13 500*	17.6	41.4	15 600*	23.7	45.2	16 700*	28.4	47.9	17 200	34.9	51.2	16 400	40.4	53.4	15 700	45.1	54.8	15 000	42.0
44.0							14.5	39.2	15 300*	21.4	43.5	16 100	29.4	47.9	15 400	35.6	50.8	14 700	40.8	52.6	14 100	44.0
46.0													22.7	43.7	14 500	30.2	47.6	13 800	36.1	50.1	13 200	46.0
48.0													12.9	37.3	13 600	23.7	43.6	13 000	30.7	47.0	12 400	48.0
50.0																14.6	37.6	12 200	24.4	43.0	11 700	50.0
52.0																			15.7	37.4	11 000	52.0

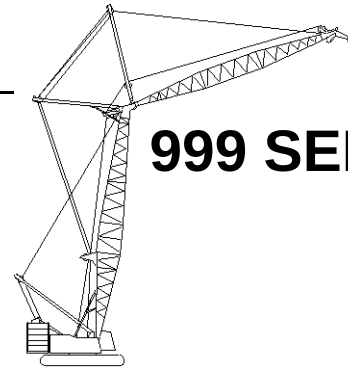


Liftcrane Luffing Jib Capacities

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

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



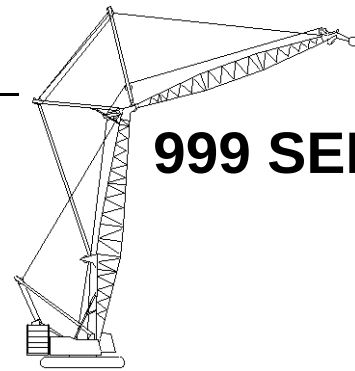
27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.1	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	42 900*													20.0
22.0	64.3	68.2	35 700*	65.8	68.6	37 300*	67.9	69.0	39 600*													22.0
24.0	61.3	67.1	33 200*	62.8	67.6	34 600*	64.9	68.1	36 300													24.0
26.0	58.2	65.9	30 000*	59.7	66.4	31 600*	61.9	67.1	32 800	64.0	67.6	32 000										26.0
28.0	54.9	64.6	27 100*	56.5	65.2	28 400*	58.8	65.9	29 800	61.0	66.5	29 100										28.0
30.0	51.6	63.1	24 600*	53.2	63.7	25 700*	55.6	64.6	27 300	57.9	65.3	26 600										30.0
32.0	48.0	61.3	22 500*	49.7	62.1	23 400*	52.2	63.1	25 000	54.6	63.9	24 400	58.4	64.9	23 400							32.0
34.0	44.3	59.4	20 600*	46.1	60.3	21 400*	48.7	61.4	22 800*	51.2	62.4	22 600	55.1	63.6	21 600							34.0
36.0	40.2	57.1	19 000*	42.2	58.2	19 700*	45.0	59.5	20 900*	47.7	60.7	21 000	51.8	62.1	20 000	55.6	63.0	19 100				36.0
38.0	35.8	54.5	17 500*	38.0	55.8	18 200*	41.0	57.3	19 200*	43.9	58.7	19 500	48.2	60.4	18 700	52.2	61.5	17 800				38.0
40.0	30.9	51.4	16 300*	33.3	52.9	16 900*	36.7	54.8	17 700*	39.8	56.4	18 200	44.5	58.4	17 400	48.7	59.8	16 600				40.0
42.0	25.0	47.6	15 100*	28.0	49.5	15 700*	31.9	51.8	16 500*	35.3	53.7	17 000	40.5	56.2	16 300	45.0	57.9	15 500	49.1	59.0	14 800	42.0
44.0	17.4	42.3	13 700*	21.4	45.0	14 600*	26.2	48.1	15 300*	30.3	50.6	16 000	36.1	53.6	15 200	41.0	55.7	14 500	45.4	57.1	13 800	44.0
46.0							19.1	43.2	14 200*	24.4	46.6	15 000*	31.2	50.6	14 300	36.7	53.2	13 600	41.4	55.0	12 900	46.0
48.0										16.4	41.1	14 000*	25.4	46.8	13 500	31.9	50.2	12 800	37.1	52.5	12 200	48.0
50.0													18.0	41.6	12 700	26.2	46.5	12 100	32.3	49.6	11 500	50.0
52.0																19.1	41.6	11 400	26.8	46.0	10 800	52.0
54.0																			19.9	41.2	10 200	54.0
56.0																			8.5	33.0	9 600	56.0

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**

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



999 SERIES 3

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	38 600*													22.0
24.0	63.4	70.6	32 500*	64.7	71.0	33 800*	66.7	71.5	35 900*													24.0
26.0	60.5	69.5	29 900*	61.9	69.9	31 500*	63.9	70.5	32 700	65.9	71.0	31 900										26.0
28.0	57.6	68.3	27 000*	59.0	68.8	28 300*	61.1	69.5	29 800	63.1	70.0	29 000										28.0
30.0	54.6	66.9	24 500*	56.0	67.5	25 600*	58.2	68.3	27 200	60.2	68.9	26 500										30.0
32.0	51.4	65.4	22 300*	52.9	66.0	23 300*	55.1	66.9	24 900	57.3	67.6	24 400	60.7	68.5	23 300							32.0
34.0	48.1	63.6	20 500*	49.7	64.4	21 300*	52.0	65.4	22 700*	54.2	66.3	22 500	57.8	67.3	21 500							34.0
36.0	44.6	61.7	18 800*	46.3	62.6	19 600*	48.7	63.7	20 800*	51.1	64.7	20 900	54.7	65.9	20 000							36.0
38.0	40.9	59.5	17 400*	42.7	60.5	18 100*	45.3	61.8	19 100*	47.7	63.0	19 400	51.6	64.4	18 600	55.1	65.3	17 700				38.0
40.0	36.8	57.0	16 100*	38.8	58.1	16 700*	41.6	59.7	17 700*	44.2	61.0	18 100	48.3	62.7	17 300	52.0	63.8	16 500				40.0
42.0	32.4	54.0	15 000*	34.6	55.4	15 500*	37.6	57.2	16 400*	40.5	58.8	17 000	44.8	60.7	16 200	48.7	62.1	15 400				42.0
44.0	27.2	50.4	14 000*	29.8	52.2	14 500*	33.2	54.4	15 200*	36.4	56.2	15 900	41.1	58.6	15 200	45.3	60.2	14 500	49.1	61.3	13 700	44.0
46.0	21.0	45.9	13 000*	24.2	48.2	13 500*	28.3	50.9	14 100*	31.9	53.2	14 900*	37.1	56.1	14 300	41.6	58.1	13 600	45.6	59.5	12 900	46.0
48.0	11.8	38.8	10 800*	16.8	42.7	12 300*	22.3	46.6	13 200*	26.7	49.5	13 800*	32.6	53.1	13 400	37.6	55.6	12 800	42.0	57.3	12 100	48.0
50.0							14.0	40.3	12 100*	20.2	44.8	12 900*	27.6	49.6	12 600	33.3	52.8	12 000	38.0	54.9	11 400	50.0
52.0													21.4	45.1	11 900	28.3	49.3	11 300	33.7	52.1	10 700	52.0
54.0													12.5	38.4	11 200	22.3	45.0	10 700	28.8	48.7	10 100	54.0
56.0																14.0	38.7	10 100	22.9	44.5	9 500	56.0
58.0																			15.0	38.5	9 000	58.0

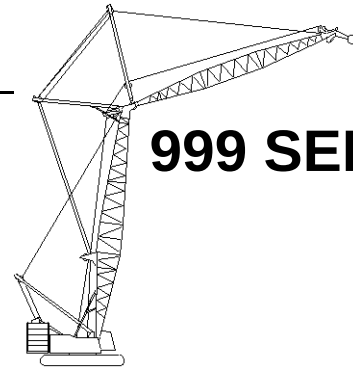


Liftcrane Luffing Jib Capacities

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**

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



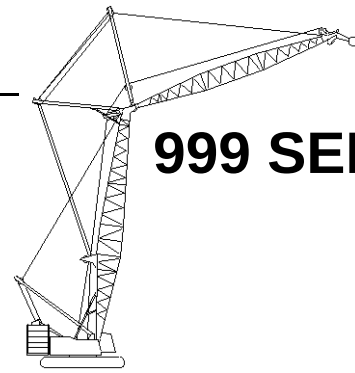
27.4m (90 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	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	34 900*													24.0
26.0	62.5	73.0	29 500*	63.8	73.4	30 800*	65.7	73.9	32 500	67.5	74.3	31 700										26.0
28.0	59.9	71.8	26 800*	61.1	72.3	28 100*	63.1	72.9	29 500	64.9	73.4	28 800										28.0
30.0	57.1	70.6	24 200*	58.4	71.1	25 400*	60.4	71.8	27 000	62.3	72.4	26 300										30.0
32.0	54.2	69.2	22 100*	55.6	69.8	23 100*	57.6	70.6	24 700	59.6	71.2	24 200	62.7	72.0	23 100							32.0
34.0	51.2	67.7	20 300*	52.7	68.3	21 100*	54.8	69.2	22 500*	56.8	70.0	22 300	60.0	70.8	21 300							34.0
36.0	48.1	65.9	18 600*	49.6	66.7	19 400*	51.8	67.7	20 600*	53.9	68.6	20 700	57.2	69.6	19 700							36.0
38.0	44.9	64.0	17 200*	46.5	64.9	17 800*	48.7	66.0	18 900*	50.9	67.0	19 300	54.4	68.2	18 300							38.0
40.0	41.4	61.8	15 900*	43.1	62.8	16 500*	45.5	64.1	17 400*	47.8	65.3	18 000	51.4	66.7	17 100	54.8	67.6	16 300				40.0
42.0	37.7	59.4	14 800*	39.5	60.5	15 300*	42.1	62.0	16 100*	44.5	63.3	16 800	48.3	65.0	16 000	51.8	66.1	15 200				42.0
44.0	33.6	56.5	13 700*	35.6	57.9	14 200*	38.4	59.6	14 900*	41.0	61.1	15 700	45.1	63.1	15 000	48.8	64.4	14 200				44.0
46.0	29.0	53.2	12 800*	31.3	54.8	13 200*	34.4	56.9	13 900*	37.3	58.6	14 600*	41.6	60.9	14 100	45.5	62.5	13 300	49.0	63.6	12 600	46.0
48.0	23.6	49.1	12 000*	26.3	51.1	12 400*	29.9	53.6	12 900*	33.2	55.7	13 600*	37.9	58.5	13 200	42.1	60.4	12 500	45.8	61.8	11 900	48.0
50.0	16.7	43.5	10 900*	20.3	46.3	11 500*	24.8	49.7	12 100*	28.5	52.3	12 700*	33.9	55.7	12 400	38.4	58.0	11 800	42.4	59.7	11 200	50.0
52.0							18.2	44.5	11 300*	23.0	48.1	11 900*	29.3	52.3	11 700	34.4	55.3	11 100	38.8	57.3	10 500	52.0
54.0										15.8	42.3	11 100*	24.0	48.3	11 100	30.0	52.0	10 500	34.8	54.6	9 900	54.0
56.0													17.2	42.8	10 400	24.8	48.1	9 900	30.4	51.4	9 300	56.0
58.0																18.2	42.9	9 400	25.3	47.5	8 800	58.0
60.0																			18.9	42.5	8 300	60.0
62.0																			8.7	34.1	7 800	62.0

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	33 500*													24.0
26.0	64.3	76.4	29 000*	65.5	76.8	30 200*	67.2	77.2	31 800													26.0
28.0	61.8	75.4	26 800*	63.0	75.8	28 100*	64.8	76.3	29 500	66.5	76.7	28 600										28.0
30.0	59.2	74.2	24 200*	60.5	74.7	25 400*	62.3	75.3	26 800	64.0	75.8	26 200										30.0
32.0	56.6	72.9	22 000*	57.9	73.5	23 000*	59.7	74.2	24 600	61.5	74.7	24 000										32.0
34.0	53.9	71.5	20 200*	55.2	72.1	21 000*	57.1	72.9	22 400*	59.0	73.6	22 200	61.9	74.3	21 100							34.0
36.0	51.1	70.0	18 500*	52.5	70.7	19 300*	54.4	71.6	20 500*	56.4	72.3	20 500	59.4	73.2	19 500							36.0
38.0	48.2	68.2	17 100*	49.6	69.0	17 700*	51.7	70.0	18 800*	53.6	70.9	19 100	56.8	71.9	18 200							38.0
40.0	45.1	66.3	15 800*	46.6	67.2	16 400*	48.8	68.3	17 300*	50.8	69.3	17 800	54.1	70.5	16 900	57.1	71.3	16 100				40.0
42.0	41.9	64.2	14 600*	43.5	65.2	15 200*	45.7	66.5	16 000*	47.9	67.6	16 600	51.3	69.0	15 800	54.4	70.0	15 000				42.0
44.0	38.4	61.8	13 600*	40.1	62.9	14 100*	42.5	64.4	14 800*	44.8	65.6	15 600	48.4	67.3	14 800	51.7	68.4	14 100				44.0
46.0	34.7	59.0	12 700*	36.5	60.3	13 100*	39.1	62.0	13 700*	41.6	63.5	14 500*	45.3	65.4	13 900	48.8	66.7	13 200	51.9	67.6	12 500	46.0
48.0	30.5	55.9	11 800*	32.6	57.4	12 200*	35.4	59.3	12 800*	38.1	61.0	13 400*	42.1	63.2	13 100	45.7	64.9	12 400	49.0	65.9	11 700	48.0
50.0	25.8	52.1	11 000*	28.1	53.9	11 400*	31.4	56.3	11 900*	34.3	58.2	12 500*	38.6	60.9	12 300	42.5	62.8	11 600	46.0	64.1	11 000	50.0
52.0	20.0	47.2	10 300*	22.9	49.6	10 600*	26.7	52.6	11 100*	30.1	55.0	11 700*	34.9	58.1	11 600	39.1	60.4	11 000	42.8	62.0	10 300	52.0
54.0	11.6	39.9	8 500*	16.2	43.8	9 700*	21.2	48.0	10 400*	25.2	51.1	10 900*	30.8	55.0	10 900	35.4	57.7	10 300	39.5	59.7	9 700	54.0
56.0							13.6	41.4	9 600*	19.3	46.1	10 200*	26.1	51.2	10 300	31.4	54.7	9 800	35.8	57.0	9 200	56.0
58.0													20.4	46.5	9 800	26.7	51.0	9 200	31.8	54.0	8 700	58.0
60.0													12.3	39.4	9 200	21.2	46.4	8 700	27.2	50.4	8 200	60.0
62.0																13.6	39.9	8 200	21.8	45.9	7 700	62.0
64.0																			14.5	39.7	7 300	64.0

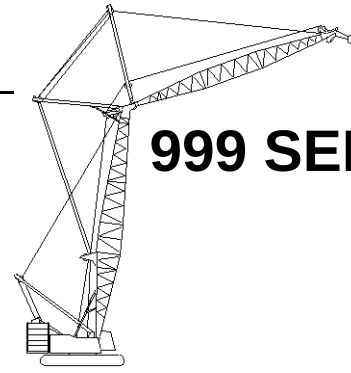


Liftcrane Luffing Jib Capacities

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**

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



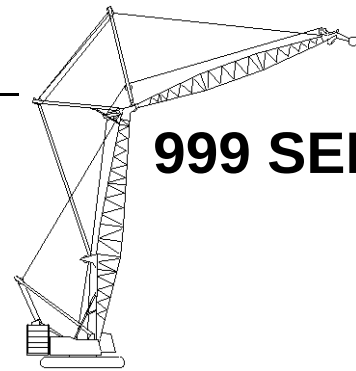
27.4m (90 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

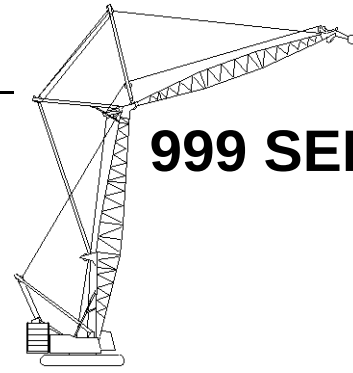


Liftcrane Luffing Jib Capacities

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**

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



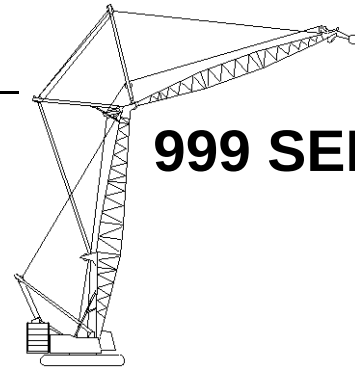
27.4m (90 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

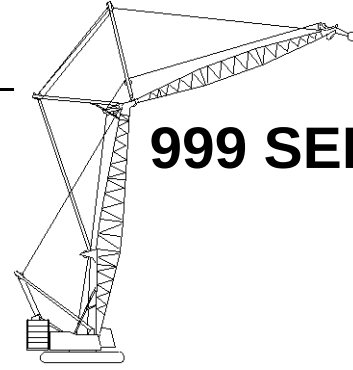


Liftcrane Luffing Jib Capacities

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**

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



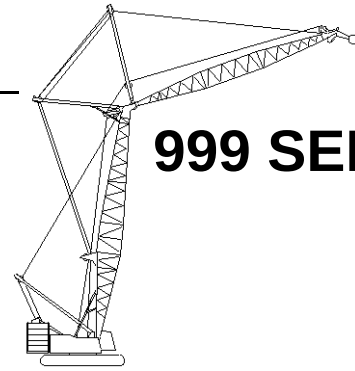
27.4m (90 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.3	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	17 700*	64.6	92.8	17 600*	65.9	93.2	19 000*										36.0
38.0	60.5	90.7	15 100*	61.4	91.2	16 700*	62.7	91.8	17 400*	64.0	92.2	18 100										38.0
40.0	58.6	89.5	14 400*	59.5	90.0	15 300*	60.9	90.7	16 300*	62.2	91.2	16 800										40.0
42.0	56.7	88.2	13 500*	57.6	88.8	14 000*	59.0	89.5	14 900*	60.3	90.1	15 600										42.0
44.0	54.7	86.9	12 400*	55.7	87.5	12 900*	57.1	88.2	13 700*	58.4	88.9	14 500	60.6	89.7	13 700							44.0
46.0	52.7	85.4	11 500*	53.6	86.0	11 900*	55.1	86.9	12 600*	56.5	87.6	13 400*	58.7	88.5	12 800							46.0
48.0	50.6	83.8	10 600*	51.6	84.5	11 000*	53.1	85.4	11 700*	54.5	86.2	12 300*	56.8	87.3	12 000							48.0
50.0	48.4	82.0	9 800*	49.4	82.8	10 200*	51.0	83.8	10 700*	52.5	84.7	11 400*	54.8	85.9	11 300							50.0
52.0	46.2	80.2	9 100*	47.2	81.0	9 400*	48.8	82.1	9 900*	50.3	83.1	10 500*	52.8	84.4	10 500	55.1	85.3	9 900				52.0
54.0	43.8	78.2	8 400*	45.0	79.1	8 700*	46.6	80.3	9 200*	48.2	81.4	9 700*	50.7	82.8	9 900	53.1	83.8	9 300				54.0
56.0	41.4	76.0	7 800*	42.6	77.0	8 100*	44.3	78.3	8 500*	45.9	79.5	9 000*	48.5	81.1	9 300	51.0	82.2	8 700				56.0
58.0	38.9	73.6	7 200*	40.1	74.7	7 500*	41.9	76.1	7 900*	43.6	77.4	8 300*	46.3	79.2	8 800	48.8	80.5	8 200	51.2	81.4	7 600	58.0
60.0	36.2	70.9	6 700*	37.5	72.1	6 900*	39.4	73.8	7 300*	41.2	75.2	7 700*	44.0	77.2	8 200	46.6	78.7	7 700	49.0	79.7	7 100	60.0
62.0	33.3	68.0	6 200*	34.7	69.4	6 400*	36.7	71.2	6 800*	38.6	72.8	7 200*	41.6	75.0	7 800	44.3	76.7	7 200	46.8	77.9	6 700	62.0
64.0	30.1	64.7	5 800*	31.7	66.3	5 900*	33.8	68.3	6 300*	35.9	70.1	6 600*	39.0	72.6	7 200	41.9	74.5	6 800	44.5	75.9	6 300	64.0
66.0	26.6	61.0	5 300*	28.4	62.8	5 500*	30.7	65.1	5 800*	33.0	67.2	6 100*	36.3	70.0	6 700*	39.4	72.2	6 400	42.1	73.8	5 900	66.0
68.0	22.7	56.5	4 900*	24.7	58.7	5 100*	27.3	61.5	5 400*	29.8	63.9	5 700*	33.4	67.1	6 200*	36.7	69.6	6 000	39.6	71.4	5 500	68.0
70.0	17.9	51.0	4 500*	20.3	53.8	4 700*	23.5	57.2	5 000*	26.3	60.1	5 200*	30.3	63.9	5 700*	33.8	66.7	5 600	36.9	68.9	5 200	70.0
72.0	11.3	43.2	3 500*	14.8	47.3	4 300*	18.9	52.0	4 600*	22.2	55.6	4 800*	26.9	60.1	5 300*	30.7	63.5	5 300	34.1	66.0	4 800	72.0
74.0							12.8	44.8	4 100*	17.3	49.9	4 500*	22.9	55.8	4 900*	27.3	59.9	5 000	31.1	62.9	4 500	74.0
76.0										10.3	41.6	4 100*	18.2	50.3	4 500*	23.5	55.6	4 700	27.7	59.3	4 200	76.0
78.0													11.8	42.7	4 100*	18.9	50.4	4 400	23.9	55.1	4 000	78.0
80.0																12.8	43.2	4 100	19.4	50.0	3 700	80.0
82.0																			13.5	43.0	3 400	82.0

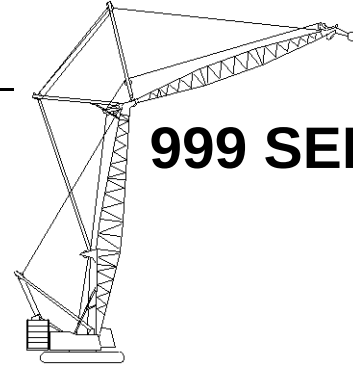


Liftcrane Luffing Jib Capacities

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

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



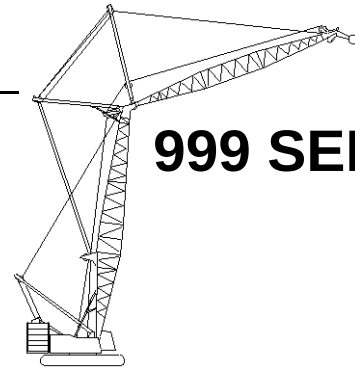
27.4m (90 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	52 400b										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	45 800										20.0
22.0	29.7	43.2	38 000*	35.2	44.8	39 400*	42.2	46.7	41 400	48.2	48.0	40 600	57.1	49.4	39 100b							22.0
24.0	14.8	38.0	30 400*	23.9	41.1	36 200*	33.1	44.0	37 200	40.4	45.9	36 300	50.3	47.9	34 900							24.0
26.0										30.9	43.0	32 800	42.8	46.0	31 600	52.1	47.5	30 300				26.0
28.0													33.9	43.3	28 800	44.8	45.7	27 600				28.0
30.0													22.0	39.4	26 300	36.4	43.2	25 300	46.5	45.0	24 300	30.0
32.0																25.6	39.8	23 300	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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	45 500										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	40 400										22.0
24.0	32.7	45.8	34 300*	37.2	47.3	35 500*	43.1	49.0	37 100	48.3	50.3	36 200	56.1	51.8	34 700							24.0
26.0	22.2	41.8	30 800*	28.3	44.0	33 100*	35.5	46.5	33 500	41.6	48.3	32 700	50.2	50.2	31 400	57.6	51.3	30 100				26.0
28.0							26.0	43.0	30 500	33.7	45.6	29 800	43.6	48.3	28 600	51.7	49.8	27 400				28.0
30.0										23.6	41.8	27 200	36.1	45.8	26 200	45.4	48.0	25 100				30.0
32.0													26.9	42.4	24 100	38.2	45.7	23 100	46.8	47.3	22 100	32.0
34.0																29.5	42.6	21 300	39.8	45.1	20 400	34.0
36.0																17.2	37.7	19 800	31.6	42.3	19 000	36.0
38.0																			20.5	38.0	17 600	38.0

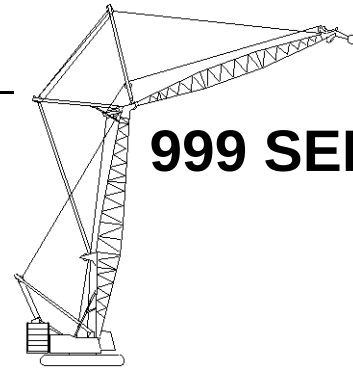


Liftcrane Luffing Jib Capacities

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**

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



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	45 400										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	40 200										22.0
24.0	41.8	50.9	33 600*	45.0	52.0	34 900*	49.6	53.3	36 800	53.8	54.3	36 000										24.0
26.0	34.9	48.3	31 200*	38.7	49.7	32 400*	43.8	51.3	33 400	48.4	52.6	32 600	55.3	54.1	31 200							26.0
28.0	26.5	44.8	28 200*	31.2	46.7	29 800*	37.2	48.9	30 400	42.4	50.6	29 700	50.0	52.5	28 500							28.0
30.0	13.9	39.1	23 200*	21.5	42.5	26 700*	29.5	45.8	27 900	35.7	48.1	27 200	44.2	50.6	26 100	51.4	52.1	25 000				30.0
32.0							18.9	41.2	25 600	27.5	44.7	25 000	37.8	48.2	24 000	45.8	50.3	23 000	52.6	51.4	21 900	32.0
34.0													30.1	45.2	22 200	39.5	48.1	21 200	47.1	49.6	20 300	34.0
36.0													19.9	40.7	20 600	32.3	45.2	19 700	41.0	47.5	18 800	36.0
38.0																23.0	41.2	18 300	34.0	44.8	17 500	38.0
40.0																			25.3	41.2	16 300	40.0

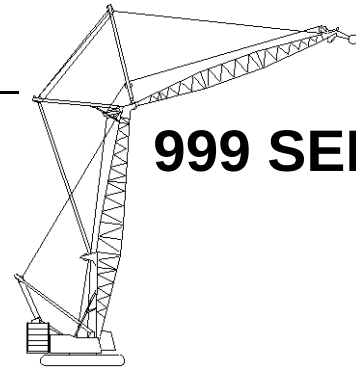
30.5m (100 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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	45 200										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	40 000										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	35 900										24.0
26.0	42.5	53.2	30 600*	45.4	54.3	31 700*	49.5	55.6	33 200	53.4	56.6	32 400	59.2	57.7	31 000							26.0
28.0	36.5	50.7	28 000*	39.8	52.1	29 500*	44.3	53.7	30 300	48.5	54.9	29 500	54.7	56.4	28 200							28.0
30.0	29.5	47.6	25 300*	33.4	49.3	26 800*	38.6	51.3	27 700	43.1	52.9	27 000	49.9	54.8	25 800							30.0
32.0	20.3	43.1	23 000*	25.6	45.6	24 500*	31.9	48.4	25 500	37.2	50.5	24 900	44.7	52.9	23 800	51.2	54.4	22 700				32.0
34.0							23.6	44.5	23 600	30.3	47.4	23 000	39.0	50.6	22 000	46.1	52.6	21 000				34.0
36.0										21.5	43.2	21 300	32.5	47.8	20 400	40.6	50.4	19 500	47.3	51.9	18 600	36.0
38.0													24.4	44.0	19 000	34.3	47.7	18 100	41.8	49.9	17 300	38.0
40.0																26.7	44.2	16 900	35.7	47.3	16 100	40.0
42.0																16.0	38.9	15 800	28.5	44.0	15 100	42.0
44.0																			18.8	39.3	14 100	44.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.2	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	40 000										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	35 800										24.0
26.0	48.0	57.6	29 900*	50.4	58.4	31 100*	53.9	59.5	32 900	57.2	60.3	32 300	62.3	61.3	30 900							26.0
28.0	43.2	55.6	27 800*	45.8	56.6	29 000*	49.5	57.9	30 300	53.0	58.9	29 400	58.4	60.1	28 100							28.0
30.0	37.8	53.2	25 100*	40.7	54.4	26 800*	44.8	56.0	27 700	48.5	57.2	27 000	54.2	58.7	25 800							30.0
32.0	31.7	50.2	22 700*	35.1	51.8	24 400*	39.6	53.7	25 500	43.7	55.3	24 800	49.8	57.1	23 700	55.3	58.2	22 600				32.0
34.0	24.3	46.3	20 900*	28.5	48.5	22 400*	33.8	51.0	23 600	38.4	52.9	23 000	45.2	55.2	22 000	51.0	56.7	20 900				34.0
36.0	13.2	40.2	18 100*	19.9	43.9	20 400*	26.9	47.5	21 900	32.4	50.0	21 300	40.0	53.0	20 400	46.4	54.9	19 400				36.0
38.0							17.6	42.4	20 300	25.2	46.3	19 800	34.3	50.3	19 000	41.4	52.8	18 100	47.4	54.2	17 200	38.0
40.0													27.5	46.9	17 700	35.9	50.2	16 900	42.5	52.2	16 100	40.0
42.0													18.5	42.0	16 500	29.4	47.0	15 800	37.1	49.7	15 000	42.0
44.0																21.2	42.6	14 800	30.9	46.7	14 100	44.0
46.0																			23.2	42.7	13 200	46.0

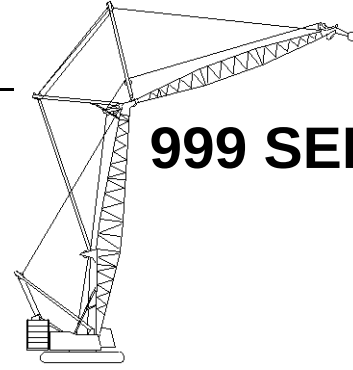


Liftcrane Luffing Jib Capacities

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

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



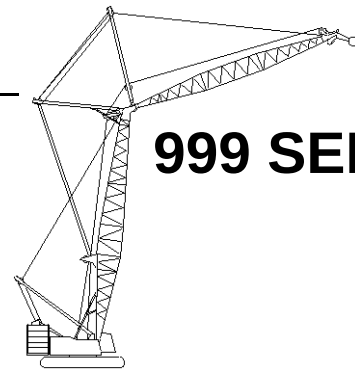
30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.0	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	35 600										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	32 100										26.0
28.0	48.1	59.9	27 300*	50.3	60.7	28 300*	53.5	61.8	29 900	56.5	62.7	29 200	61.3	63.6	27 900							28.0
30.0	43.7	57.9	25 100*	46.1	58.9	26 500*	49.4	60.2	27 500	52.6	61.2	26 700	57.6	62.4	25 500							30.0
32.0	38.9	55.6	22 500*	41.5	56.8	24 300*	45.1	58.3	25 300	48.5	59.5	24 600	53.8	61.0	23 500							32.0
34.0	33.5	52.8	20 500*	36.4	54.2	22 200*	40.5	56.1	23 400	44.2	57.6	22 800	49.8	59.4	21 700	54.8	60.6	20 700				34.0
36.0	27.1	49.3	18 900*	30.7	51.2	20 500*	35.3	53.5	21 700	39.4	55.3	21 100	45.5	57.6	20 100	50.8	59.0	19 200				36.0
38.0	18.9	44.4	17 600*	23.6	47.1	18 900*	29.3	50.2	20 100	34.1	52.6	19 700	40.8	55.4	18 700	46.6	57.2	17 800				38.0
40.0				21.9	45.9	18 600*	27.9	49.2	18 400	32.9	49.2	18 400	35.7	52.8	17 500	42.1	55.1	16 700	47.6	56.5	15 800	40.0
42.0										20.0	44.5	17 200	29.8	49.6	16 400	37.1	52.6	15 600	43.1	54.5	14 800	42.0
44.0													22.6	45.4	15 300	31.5	49.6	14 600	38.2	52.1	13 800	44.0
46.0																24.7	45.8	13 700	32.8	49.3	13 000	46.0
48.0																15.2	40.1	12 900	26.3	45.7	12 200	48.0
50.0																			17.7	40.5	11 500	50.0

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.3	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	35 400										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	32 000										26.0
28.0	52.0	63.9	26 800*	53.9	64.6	27 900*	56.7	65.6	29 500*	59.4	66.3	29 100										28.0
30.0	48.2	62.2	24 900*	50.2	63.0	26 100*	53.1	64.1	27 400	56.0	65.0	26 600	60.4	66.0	25 400							30.0
32.0	44.1	60.2	22 500*	46.3	61.2	24 100*	49.4	62.5	25 200	52.4	63.5	24 500	57.0	64.8	23 300							32.0
34.0	39.7	57.9	20 400*	42.1	59.1	22 100*	45.4	60.6	23 300	48.6	61.8	22 600	53.4	63.3	21 600							34.0
36.0	34.9	55.3	18 600*	37.5	56.7	20 300*	41.2	58.4	21 600	44.6	59.9	21 000	49.7	61.7	20 000	54.4	62.9	19 000				36.0
38.0	29.4	52.0	17 200*	32.4	53.7	18 800*	36.5	55.9	19 900	40.2	57.7	19 500	45.8	59.9	18 600	50.7	61.3	17 700				38.0
40.0	22.6	47.8	16 000*	26.4	50.1	17 400*	31.2	52.9	18 400*	35.4	55.0	18 200	41.5	57.7	17 400	46.8	59.5	16 500	51.5	60.6	15 600	40.0
42.0	12.8	41.3	14 200*	18.7	45.2	15 900*	25.0	49.0	17 100*	30.0	51.9	17 100	36.9	55.2	16 200	42.7	57.5	15 400	47.7	58.8	14 600	42.0
44.0							16.6	43.6	15 900*	23.5	47.8	16 000	31.7	52.2	15 200	38.1	55.1	14 500	43.6	56.9	13 700	44.0
46.0													25.5	48.5	14 300	33.1	52.2	13 600	39.2	54.5	12 900	46.0
48.0													17.4	43.2	13 400	27.2	48.7	12 800	34.3	51.8	12 100	48.0
50.0																19.8	44.0	12 000	28.6	48.4	11 300	50.0
52.0																			21.7	44.1	10 700	52.0

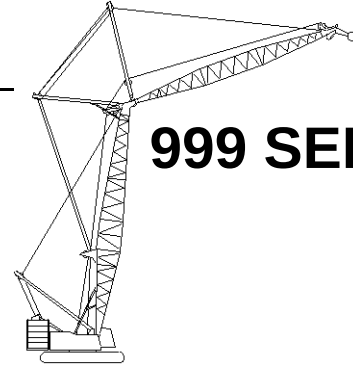


Liftcrane Luffing Jib Capacities

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

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



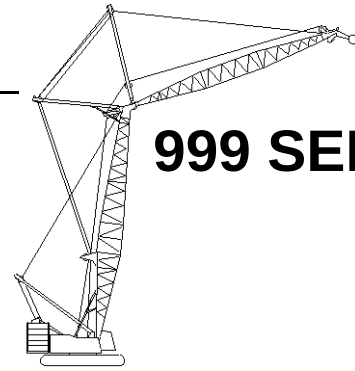
30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.2	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	31 700										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	28 800										28.0
30.0	51.8	66.2	24 600*	53.6	66.9	25 500*	56.2	67.9	27 000*	58.7	68.6	26 400										30.0
32.0	48.2	64.5	22 500*	50.1	65.3	23 900*	52.9	66.4	25 000	55.5	67.3	24 300	59.6	68.4	23 100							32.0
34.0	44.5	62.5	20 400*	46.5	63.5	21 800*	49.4	64.8	23 100	52.1	65.8	22 400	56.4	67.1	21 300							34.0
36.0	40.5	60.3	18 600*	42.6	61.4	20 100*	45.7	62.9	21 400	48.6	64.1	20 800	53.1	65.6	19 800							36.0
38.0	36.1	57.7	17 100*	38.4	59.1	18 500*	41.8	60.8	19 700*	44.9	62.2	19 300	49.7	64.0	18 400	54.0	65.2	17 400				38.0
40.0	31.1	54.7	15 700*	33.8	56.3	17 100*	37.5	58.3	18 200*	40.9	60.0	18 000	46.0	62.2	17 100	50.6	63.6	16 200				40.0
42.0	25.4	50.8	14 700*	28.6	52.9	15 900*	32.8	55.4	16 800*	36.6	57.5	16 900	42.1	60.1	16 000	47.0	61.8	15 200	51.3	62.9	14 400	42.0
44.0	17.9	45.7	13 900*	22.2	48.6	14 800*	27.4	51.9	15 700*	31.7	54.5	15 800	37.9	57.6	15 000	43.1	59.8	14 200	47.8	61.2	13 400	44.0
46.0							20.6	47.3	14 500*	26.1	50.8	14 900	33.2	54.8	14 100	39.0	57.4	13 300	44.0	59.2	12 600	46.0
48.0										18.9	45.8	14 000	27.8	51.3	13 300	34.5	54.7	12 500	39.9	56.9	11 800	48.0
50.0													21.2	46.8	12 500	29.3	51.4	11 800	35.5	54.3	11 100	50.0
52.0																23.1	47.3	11 100	30.5	51.1	10 500	52.0
54.0																14.5	41.2	10 500	24.6	47.2	9 900	54.0
56.0																			16.8	41.7	9 300	56.0

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**

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



999 SERIES 3

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	31 700									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	28 700									28.0	
30.0	54.7	70.0	24 100*	56.3	70.7	25 000*	58.7	71.5	26 400*	61.0	72.2	26 300									30.0	
32.0	51.6	68.5	22 500*	53.3	69.2	23 500*	55.7	70.2	24 800*	58.1	71.0	24 200	61.8	71.9	23 000						32.0	
34.0	48.3	66.8	20 500*	50.0	67.6	21 800*	52.6	68.7	23 000	55.1	69.6	22 300	58.9	70.7	21 200						34.0	
36.0	44.8	64.9	18 700*	46.7	65.8	20 000*	49.4	67.1	21 300	51.9	68.1	20 700	56.0	69.4	19 700						36.0	
38.0	41.1	62.7	17 100*	43.1	63.8	18 400*	45.9	65.2	19 600*	48.6	66.4	19 300	52.8	68.0	18 300						38.0	
40.0	37.0	60.2	15 800*	39.2	61.5	17 000*	42.3	63.1	18 100*	45.2	64.5	18 000	49.6	66.3	17 100	53.7	67.5	16 200			40.0	
42.0	32.6	57.2	14 600*	35.0	58.8	15 800*	38.4	60.7	16 800*	41.5	62.4	16 800	46.2	64.5	16 000	50.5	65.9	15 100			42.0	
44.0	27.5	53.7	13 600*	30.3	55.6	14 700*	34.1	58.0	15 500*	37.5	59.9	15 800	42.6	62.4	15 000	47.1	64.1	14 100			44.0	
46.0	21.3	49.2	12 900*	24.8	51.7	13 700*	29.3	54.7	14 500*	33.1	57.0	14 800	38.7	60.0	14 000	43.6	62.1	13 300	47.9	63.5	12 500	46.0
48.0	12.5	42.4	11 400*	17.7	46.4	12 700*	23.5	50.5	13 500*	28.1	53.6	14 000	34.4	57.3	13 200	39.7	59.8	12 500	44.3	61.5	11 700	48.0
50.0							15.9	44.8	12 600*	22.1	49.2	13 100	29.7	54.0	12 400	35.6	57.2	11 800	40.6	59.3	11 100	50.0
52.0													24.0	50.0	11 700	31.0	54.1	11 000	36.5	56.7	10 400	52.0
54.0													16.6	44.4	11 100	25.6	50.3	10 500	32.0	53.7	9 800	54.0
56.0																18.8	45.3	9 900	26.8	50.1	9 300	56.0
58.0																			20.5	45.4	8 700	58.0

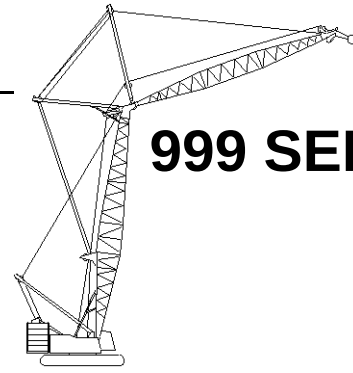


Liftcrane Luffing Jib Capacities

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**

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



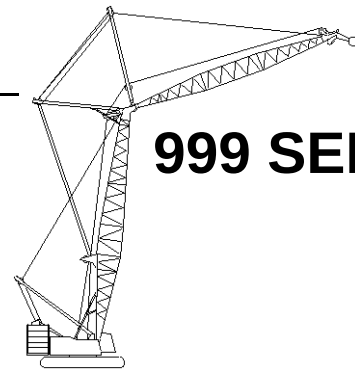
30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	28 600										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	26 100										30.0
32.0	54.4	72.3	22 100*	55.9	73.0	23 000*	58.1	73.9	24 200*	60.3	74.5	24 000										32.0
34.0	51.4	70.8	20 300*	53.0	71.6	21 600*	55.3	72.5	22 800	57.5	73.3	22 100	61.1	74.2	21 000							34.0
36.0	48.3	69.1	18 600*	50.0	69.9	19 900*	52.4	71.0	21 200	54.7	72.0	20 500	58.4	73.1	19 500							36.0
38.0	45.1	67.2	17 100*	46.8	68.1	18 300*	49.3	69.4	19 500	51.7	70.4	19 100	55.5	71.7	18 100							38.0
40.0	41.6	65.0	15 800*	43.5	66.1	16 900*	46.1	67.5	18 000*	48.7	68.7	17 800	52.6	70.3	16 800	56.3	71.2	15 900				40.0
42.0	37.9	62.6	14 600*	39.9	63.8	15 600*	42.7	65.5	16 600*	45.4	66.8	16 600	49.6	68.6	15 700	53.4	69.8	14 800				42.0
44.0	33.8	59.8	13 500*	36.0	61.2	14 500*	39.1	63.1	15 400*	42.0	64.7	15 600	46.4	66.8	14 700	50.4	68.2	13 900				44.0
46.0	29.3	56.4	12 600*	31.8	58.2	13 500*	35.2	60.4	14 300*	38.3	62.3	14 700	43.0	64.7	13 800	47.2	66.4	13 000	51.0	67.5	12 300	46.0
48.0	24.0	52.4	11 900*	26.9	54.6	12 600*	30.8	57.3	13 300*	34.3	59.5	13 800	39.4	62.4	13 000	43.9	64.4	12 300	47.9	65.8	11 500	48.0
50.0	17.1	46.9	11 100*	21.0	50.0	11 800*	25.8	53.5	12 400*	29.8	56.3	13 000	35.5	59.8	12 300	40.4	62.2	11 500	44.6	63.8	10 800	50.0
52.0							19.6	48.6	11 600*	24.6	52.3	12 200	31.2	56.7	11 500	36.6	59.6	10 900	41.2	61.6	10 200	52.0
54.0										18.0	47.1	11 400*	26.2	52.9	10 900	32.4	56.7	10 200	37.4	59.1	9 600	54.0
56.0													20.1	48.2	10 300	27.6	53.1	9 700	33.3	56.3	9 000	56.0
58.0																21.9	48.7	9 100	28.7	52.9	8 500	58.0
60.0																14.0	42.3	8 600	23.2	48.7	8 100	60.0
62.0																			16.1	42.9	7 600	62.0

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**

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



999 SERIES 3

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

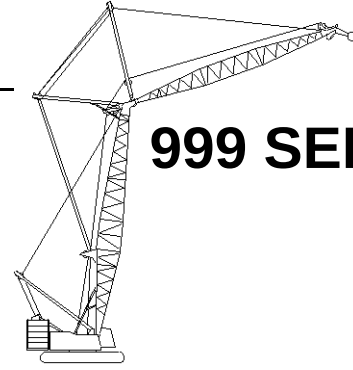


Liftcrane Luffing Jib Capacities

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**

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



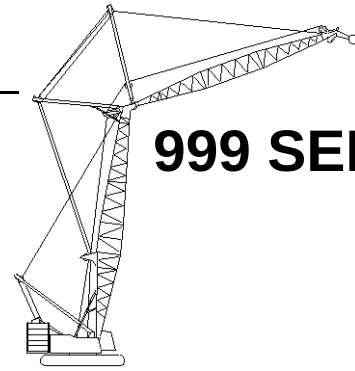
30.5m (100 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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	25 600										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	23 600										32.0
34.0	56.4	78.4	19 700*	57.7	79.0	20 800*	59.6	79.8	21 900*	61.5	80.4	21 800										34.0
36.0	53.8	77.0	18 300*	55.2	77.6	19 400*	57.2	78.5	20 600*	59.1	79.3	20 100										36.0
38.0	51.1	75.4	16 900*	52.6	76.2	17 900*	54.6	77.2	19 100*	56.6	78.0	18 700	59.8	79.0	17 700							38.0
40.0	48.4	73.7	15 600*	49.9	74.5	16 400*	52.0	75.7	17 500*	54.1	76.6	17 400	57.4	77.7	16 400							40.0
42.0	45.5	71.8	14 500*	47.1	72.7	15 200*	49.3	74.0	16 200*	51.4	75.0	16 300	54.8	76.4	15 300							42.0
44.0	42.5	69.7	13 500*	44.1	70.7	14 100*	46.5	72.2	14 900*	48.7	73.3	15 200	52.2	74.9	14 300	55.5	75.9	13 500				44.0
46.0	39.3	67.3	12 600*	41.0	68.5	13 100*	43.5	70.1	13 900*	45.8	71.5	14 300	49.5	73.2	13 400	52.9	74.4	12 600				46.0
48.0	35.8	64.7	11 700*	37.7	66.1	12 100*	40.3	67.9	12 900*	42.8	69.4	13 400	46.7	71.4	12 600	50.2	72.8	11 900				48.0
50.0	32.0	61.7	10 900*	34.1	63.3	11 300*	37.0	65.3	12 000*	39.6	67.1	12 600	43.7	69.4	11 900	47.4	71.0	11 100	50.8	72.1	10 400	50.0
52.0	27.8	58.1	10 200*	30.1	60.0	10 500*	33.3	62.4	11 100*	36.2	64.5	11 800*	40.6	67.1	11 200	44.5	69.1	10 500	48.0	70.4	9 800	52.0
54.0	22.8	53.8	9 500*	25.6	56.2	9 800*	29.2	59.1	10 400*	32.5	61.5	11 000*	37.2	64.6	10 500	41.4	66.9	9 900	45.1	68.4	9 200	54.0
56.0	16.5	48.1	8 700*	20.1	51.3	9 200*	24.5	55.1	9 700*	28.3	58.0	10 200*	33.6	61.8	10 000	38.1	64.4	9 300	42.1	66.3	8 600	56.0
58.0							18.7	49.9	9 100*	23.4	53.8	9 500*	29.5	58.5	9 400	34.6	61.7	8 800	38.9	63.9	8 100	58.0
60.0										17.3	48.3	8 900*	24.9	54.5	8 900	30.6	58.5	8 200	35.4	61.2	7 700	60.0
62.0													19.3	49.5	8 400	26.2	54.7	7 800	31.5	58.2	7 200	62.0
64.0													11.0	41.9	7 900	20.9	50.1	7 300	27.2	54.6	6 800	64.0
66.0																13.7	43.5	6 900	22.1	50.1	6 400	66.0
68.0																			15.5	44.1	6 000	68.0

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**

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



999 SERIES 3

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	23 500										32.0
34.0	58.3	82.0	19 500*	59.6	82.6	20 200*	61.4	83.3	21 300*	63.1	83.9	21 700										34.0
36.0	56.0	80.7	18 100*	57.2	81.3	19 100*	59.1	82.1	20 100*	60.9	82.8	20 000										36.0
38.0	53.5	79.3	16 800*	54.8	80.0	17 700*	56.8	80.9	18 900*	58.6	81.6	18 600										38.0
40.0	51.0	77.7	15 600*	52.4	78.5	16 300*	54.3	79.5	17 400*	56.2	80.3	17 300	59.3	81.3	16 300							40.0
42.0	48.4	76.0	14 500*	49.8	76.8	15 100*	51.9	78.0	16 000*	53.8	78.9	16 200	56.9	80.1	15 200							42.0
44.0	45.7	74.1	13 400*	47.2	75.0	13 900*	49.3	76.3	14 800*	51.3	77.3	15 200	54.5	78.7	14 200							44.0
46.0	42.8	72.0	12 400*	44.4	73.1	12 900*	46.6	74.5	13 700*	48.7	75.6	14 200	52.1	77.2	13 300	55.2	78.2	12 500				46.0
48.0	39.8	69.7	11 600*	41.5	70.9	12 000*	43.8	72.4	12 700*	46.0	73.8	13 300	49.5	75.5	12 500	52.7	76.7	11 700				48.0
50.0	36.6	67.1	10 800*	38.3	68.5	11 200*	40.8	70.2	11 800*	43.2	71.7	12 500	46.8	73.7	11 800	50.2	75.1	11 000				50.0
52.0	33.1	64.2	10 000*	35.0	65.7	10 500*	37.7	67.7	11 000*	40.2	69.4	11 700*	44.0	71.7	11 100	47.5	73.3	10 400	50.7	74.4	9 600	52.0
54.0	29.2	60.9	9 400*	31.3	62.6	9 700*	34.3	64.9	10 300*	37.0	66.9	10 800*	41.1	69.5	10 500	44.7	71.4	9 700	48.1	72.7	9 100	54.0
56.0	24.8	56.9	8 800*	27.2	59.0	9 100*	30.5	61.7	9 600*	33.5	64.0	10 100*	37.9	67.0	9 900	41.8	69.2	9 200	45.4	70.7	8 500	56.0
58.0	19.5	51.9	8 200*	22.5	54.6	8 500*	26.3	58.0	9 000*	29.7	60.7	9 400*	34.5	64.3	9 300	38.8	66.8	8 700	42.5	68.6	8 000	58.0
60.0	12.0	44.6	7 000*	16.4	48.8	7 900*	21.4	53.4	8 400*	25.3	56.8	8 800*	30.8	61.1	8 800	35.4	64.2	8 200	39.4	66.3	7 600	60.0
62.0							14.8	47.1	7 800*	20.1	51.9	8 200*	26.7	57.4	8 300	31.8	61.1	7 700	36.2	63.7	7 100	62.0
64.0										13.0	45.1	7 700*	21.8	52.9	7 800	27.8	57.6	7 300	32.7	60.7	6 700	64.0
66.0													15.4	46.8	7 400	23.1	53.3	6 900	28.7	57.3	6 400	66.0
68.0																17.3	47.7	6 500	24.2	53.2	6 000	68.0
70.0																8.0	38.5	6 100	18.7	48.0	5 600	70.0

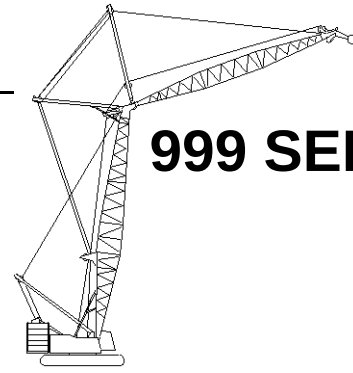


Liftcrane Luffing Jib Capacities

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**

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



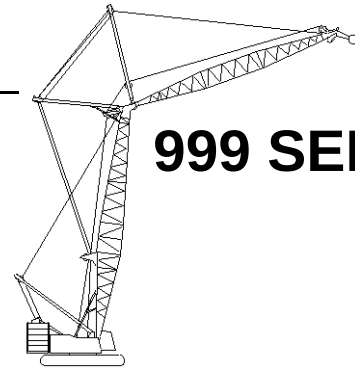
30.5m (100 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

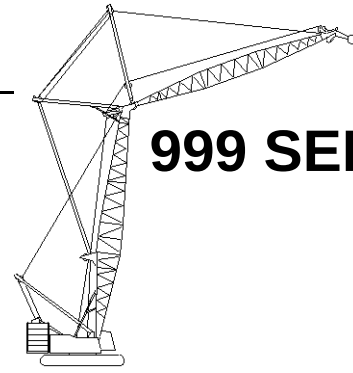


Liftcrane Luffing Jib Capacities

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**

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



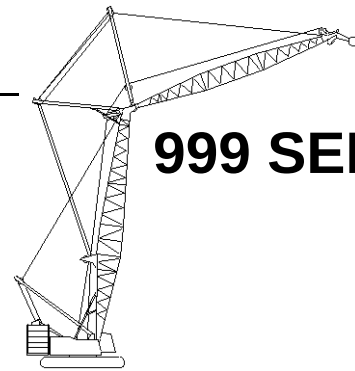
30.5m (100 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	18 500*										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	17 800*										38.0
40.0	58.7	92.6	13 500*	59.7	93.2	15 400*	61.2	93.9	16 200*	62.7	94.5	16 600										40.0
42.0	56.8	91.4	12 700*	57.8	92.0	14 400*	59.3	92.8	15 300*	60.8	93.4	15 400										42.0
44.0	54.8	90.0	12 000*	55.9	90.6	13 200*	57.4	91.5	14 100*	58.9	92.2	14 400	61.4	93.1	13 500							44.0
46.0	52.8	88.5	11 300*	53.9	89.2	12 200*	55.5	90.2	13 000*	57.0	91.0	13 500	59.5	91.9	12 600							46.0
48.0	50.7	86.9	10 700*	51.8	87.7	11 300*	53.4	88.7	12 000*	55.0	89.6	12 600	57.6	90.7	11 800							48.0
50.0	48.5	85.2	10 000*	49.7	86.0	10 400*	51.4	87.2	11 100*	53.0	88.1	11 800	55.6	89.4	11 000							50.0
52.0	46.3	83.3	9 200*	47.5	84.3	9 600*	49.2	85.5	10 200*	50.9	86.5	10 900*	53.6	87.9	10 300	56.1	88.9	9 600				52.0
54.0	44.0	81.3	8 600*	45.2	82.3	8 900*	47.0	83.7	9 500*	48.8	84.8	10 100*	51.5	86.4	9 700	54.1	87.5	9 000				54.0
56.0	41.5	79.1	8 000*	42.8	80.2	8 300*	44.7	81.7	8 800*	46.5	83.0	9 300*	49.4	84.7	9 100	52.1	85.9	8 400				56.0
58.0	39.0	76.7	7 400*	40.4	78.0	7 700*	42.3	79.6	8 100*	44.2	81.0	8 600*	47.2	82.9	8 600	50.0	84.3	7 900	52.5	85.2	7 200	58.0
60.0	36.3	74.1	6 800*	37.8	75.5	7 100*	39.8	77.3	7 500*	41.8	78.8	8 000*	44.9	81.0	8 100	47.8	82.5	7 400	50.4	83.6	6 800	60.0
62.0	33.4	71.2	6 300*	35.0	72.7	6 600*	37.2	74.7	7 000*	39.3	76.5	7 400*	42.5	78.9	7 600	45.5	80.6	7 000	48.3	81.9	6 400	62.0
64.0	30.3	68.0	5 800*	32.0	69.6	6 100*	34.4	71.9	6 500*	36.6	73.9	6 800*	40.0	76.5	7 200	43.2	78.6	6 600	46.0	80.0	6 000	64.0
66.0	26.8	64.2	5 400*	28.7	66.2	5 700*	31.3	68.8	6 000*	33.8	71.0	6 400*	37.4	74.0	6 700	40.7	76.3	6 200	43.7	77.9	5 600	66.0
68.0	22.9	59.9	5 000*	25.1	62.2	5 200*	28.0	65.2	5 600*	30.7	67.8	5 900*	34.6	71.2	6 400	38.1	73.8	5 800	41.2	75.7	5 200	68.0
70.0	18.2	54.4	4 600*	20.8	57.4	4 800*	24.2	61.1	5 100*	27.2	64.1	5 500*	31.6	68.1	6 000	35.4	71.1	5 500	38.7	73.3	4 900	70.0
72.0	11.7	46.8	3 700*	15.5	51.2	4 400*	19.8	56.1	4 700*	23.4	59.8	5 000*	28.3	64.6	5 500*	32.4	68.1	5 100	36.0	70.7	4 600	72.0
74.0							14.1	49.4	4 300*	18.8	54.6	4 600*	24.6	60.5	5 100*	29.2	64.7	4 800	33.1	67.7	4 300	74.0
76.0										12.6	47.3	4 300*	20.2	55.6	4 700*	25.6	60.8	4 500	29.9	64.4	4 000	76.0
78.0													14.6	49.1	4 300*	21.4	56.1	4 200	26.4	60.6	3 700	78.0
80.0																16.3	50.2	3 900	22.4	56.1	3 500	80.0
82.0																8.4	40.8	3 700	17.5	50.5	3 300	82.0

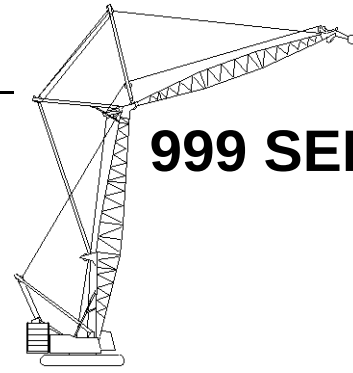


Liftcrane Luffing Jib Capacities

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**

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



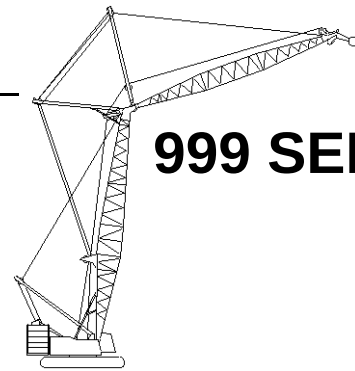
30.5m (100 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	16 500*										38.0
40.0	60.2	96.2	13 000*	61.1	96.7	14 900*	62.5	97.4	15 100*	63.9	97.9	16 300										40.0
42.0	58.3	95.0	12 300*	59.3	95.6	14 100*	60.8	96.3	14 800*	62.2	96.9	15 300										42.0
44.0	56.5	93.7	11 700*	57.5	94.3	13 000*	58.9	95.1	13 900*	60.4	95.8	14 200										44.0
46.0	54.6	92.3	11 100*	55.6	93.0	12 000*	57.1	93.8	12 800*	58.5	94.6	13 300	60.9	95.5	12 400							46.0
48.0	52.6	90.8	10 500*	53.7	91.5	11 000*	55.2	92.5	11 700*	56.7	93.3	12 400	59.1	94.3	11 600							48.0
50.0	50.6	89.2	9 800*	51.7	90.0	10 200*	53.3	91.0	10 800*	54.8	91.9	11 600	57.2	93.0	10 800							50.0
52.0	48.5	87.5	9 000*	49.6	88.3	9 400*	51.3	89.5	10 000*	52.8	90.4	10 700*	55.3	91.7	10 100	57.7	92.5	9 400				52.0
54.0	46.4	85.6	8 400*	47.5	86.6	8 700*	49.2	87.8	9 200*	50.8	88.8	9 800*	53.4	90.2	9 500	55.8	91.2	8 700				54.0
56.0	44.2	83.6	7 700*	45.4	84.6	8 000*	47.1	86.0	8 600*	48.8	87.1	9 100*	51.4	88.7	8 900	53.9	89.8	8 200				56.0
58.0	41.9	81.5	7 100*	43.1	82.6	7 400*	44.9	84.0	7 900*	46.6	85.3	8 400*	49.4	87.0	8 400	51.9	88.2	7 700				58.0
60.0	39.5	79.1	6 600*	40.8	80.3	6 900*	42.6	81.9	7 300*	44.4	83.3	7 800*	47.3	85.2	7 900	49.9	86.6	7 200	52.4	87.5	6 500	60.0
62.0	36.9	76.5	6 100*	38.3	77.9	6 300*	40.3	79.6	6 700*	42.1	81.2	7 200*	45.1	83.3	7 400	47.8	84.8	6 800	50.4	85.9	6 100	62.0
64.0	34.2	73.7	5 600*	35.7	75.2	5 800*	37.8	77.1	6 300*	39.7	78.8	6 600*	42.8	81.2	6 900	45.7	82.9	6 300	48.3	84.2	5 800	64.0
66.0	31.3	70.6	5 200*	32.9	72.2	5 400*	35.1	74.4	5 700*	37.2	76.3	6 100*	40.4	78.9	6 500	43.4	80.9	5 900	46.1	82.3	5 400	66.0
68.0	28.1	67.0	4 800*	29.8	68.9	5 000*	32.2	71.3	5 300*	34.5	73.5	5 600*	38.0	76.4	6 200	41.1	78.7	5 600	43.9	80.3	5 000	68.0
70.0	24.5	62.9	4 400*	26.5	65.1	4 600*	29.1	67.9	4 900*	31.6	70.4	5 200*	35.3	73.7	5 800	38.6	76.2	5 200	41.6	78.1	4 700	70.0
72.0	20.3	58.0	4 100*	22.6	60.6	4 200*	25.7	64.0	4 500*	28.4	66.9	4 800*	32.5	70.7	5 300*	36.0	73.6	4 900	39.2	75.7	4 400	72.0
74.0	15.1	51.6	3 500*	18.1	55.2	3 900*	21.8	59.4	4 100*	24.9	62.8	4 400*	29.4	67.3	4 900*	33.2	70.6	4 600	36.6	73.1	4 100	74.0
76.0	6.5	40.8	2 300*	11.9	47.5	3 200*	17.0	53.6	3 800*	20.8	58.0	4 000*	26.0	63.5	4 500*	30.2	67.4	4 300	33.8	70.2	3 800	76.0
78.0										15.8	51.9	3 700*	22.1	58.9	4 100*	26.9	63.7	4 000	30.9	67.0	3 500	78.0
80.0													17.4	53.2	3 800*	23.2	59.3	3 700	27.7	63.4	3 300	80.0
82.0													10.8	45.1	3 400*	18.7	54.0	3 500	24.0	59.2	3 000	82.0
84.0																12.9	46.8	3 200	19.8	54.2	2 800	84.0
86.0																			14.3	47.5	2 500	86.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	52 000b										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	45 400										20.0
22.0	30.3	46.4	37 000*	36.2	48.2	38 500*	43.7	50.1	41 000	50.1	51.5	40 300	59.6	52.9	38 600b							22.0
24.0	16.0	41.5	31 000*	25.3	44.7	35 700*	35.0	47.6	37 100	42.6	49.5	36 100	53.1	51.5	34 500							24.0
26.0							23.6	43.9	33 400	33.7	46.9	32 600	45.9	49.7	31 200	55.6	51.1	29 800				26.0
28.0										21.6	42.9	29 700	37.6	47.4	28 400	48.7	49.5	27 100				28.0
30.0													27.3	44.1	26 000	41.0	47.5	24 800				30.0
32.0													9.0	37.6	23 900	31.7	44.6	22 800	43.7	47.1	21 800	32.0
34.0																			35.1	44.5	20 100	34.0
36.0																			23.8	40.8	18 600	36.0

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

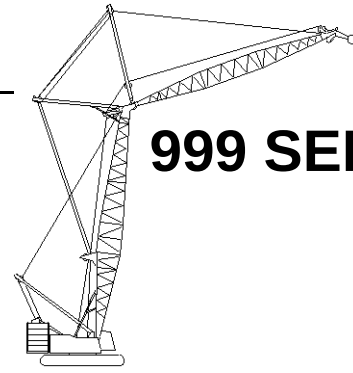
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	45 200										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	40 000										22.0
24.0	33.2	49.0	33 400*	38.0	50.6	34 800*	44.4	52.4	36 800	50.0	53.8	35 900	58.3	55.2	34 300							24.0
26.0	22.9	45.1	31 200*	29.3	47.5	32 400*	37.0	50.0	33 400	43.4	51.9	32 500	52.6	53.8	31 000							26.0
28.0							28.0	46.8	30 300	35.9	49.4	29 600	46.3	52.0	28 200	54.8	53.5	26 900				28.0
30.0							14.5	41.4	27 300	26.6	46.0	27 000	39.2	49.8	25 800	48.8	51.8	24 600				30.0
32.0										11.4	39.8	24 900	30.8	46.9	23 800	42.1	49.8	22 600	50.9	51.3	21 500	32.0
34.0													19.4	42.4	21 900	34.3	47.2	20 900	44.4	49.4	19 900	34.0
36.0																24.4	43.5	19 400	37.1	47.0	18 400	36.0
38.0																			28.2	43.7	17 100	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

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



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	45 100										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	39 900										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	35 800										24.0
26.0	35.3	51.5	30 500*	39.4	53.0	31 700*	44.9	54.8	33 300	49.9	56.1	32 300	57.3	57.6	30 800							26.0
28.0	27.0	48.1	27 700*	32.1	50.1	29 700*	38.5	52.5	30 300	44.1	54.2	29 400	52.2	56.1	28 100							28.0
30.0	14.8	42.6	24 000*	22.7	46.1	27 400*	31.0	49.5	27 700	37.6	51.8	27 000	46.6	54.4	25 700	54.2	55.8	24 400				30.0
32.0							21.3	45.3	25 500	29.9	48.7	24 800	40.4	52.2	23 600	48.8	54.1	22 500				32.0
34.0										19.6	44.2	22 900	33.3	49.4	21 900	42.9	52.1	20 800	50.7	53.6	19 700	34.0
36.0													24.4	45.7	20 300	36.2	49.6	19 300	45.0	51.7	18 300	36.0
38.0													9.3	38.7	18 800	28.2	46.4	17 900	38.6	49.4	17 000	38.0
40.0																			31.1	46.4	15 800	40.0
42.0																			21.4	42.2	14 800	42.0

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

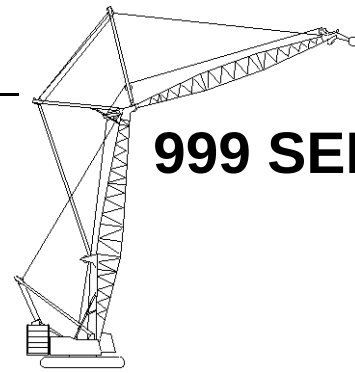
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.9	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	44 900									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	39 700									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	35 500									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	32 100	61.0	61.2	30 600						26.0	
28.0	36.9	53.9	27 000*	40.4	55.4	29 000*	45.3	57.1	30 100	49.8	58.4	29 200	56.5	59.9	27 800						28.0	
30.0	29.9	50.8	24 400*	34.1	52.7	27 100*	39.7	54.8	27 600	44.6	56.5	26 800	51.9	58.4	25 400						30.0	
32.0	20.9	46.5	22 600*	26.5	49.1	24 800*	33.2	52.1	25 400	38.9	54.2	24 700	46.8	56.7	23 400	53.7	58.1	22 200			32.0	
34.0							25.4	48.4	23 500	32.3	51.3	22 800	41.4	54.5	21 600	48.8	56.4	20 500			34.0	
36.0							13.7	42.5	21 100	24.1	47.5	21 100	35.2	51.9	20 100	43.5	54.5	19 000	50.5	55.9	18 000	36.0
38.0										11.2	40.9	19 600	27.8	48.6	18 700	37.7	52.1	17 700	45.4	54.0	16 700	38.0
40.0													17.8	43.7	17 400	30.9	49.1	16 500	39.8	51.8	15 600	40.0
42.0																						42.0
44.0																22.2	44.9	15 500	33.3	49.0	14 600	44.0
																			25.5	45.3	13 700	



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

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



999 SERIES 3

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*b																			12.2
14.0	72.2	67.8	47 600*b																			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	39 700										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	35 500										24.0
26.0	48.2	60.7	29 200*	50.9	61.7	30 500*	54.7	62.8	32 500*	58.2	63.7	32 100										26.0
28.0	43.4	58.7	26 900*	46.3	59.8	28 400*	50.3	61.2	30 100	54.1	62.3	29 200	59.9	63.5	27 800							28.0
30.0	38.1	56.4	24 100*	41.3	57.7	26 600*	45.7	59.4	27 500	49.7	60.7	26 700	55.9	62.2	25 400							30.0
32.0	32.1	53.4	21 900*	35.7	55.1	24 800*	40.6	57.2	25 400	45.0	58.8	24 600	51.6	60.7	23 400	57.5	61.8	22 100				32.0
34.0	24.7	49.6	20 100*	29.2	51.9	22 700*	34.9	54.6	23 500	39.9	56.6	22 800	47.0	59.0	21 600	53.3	60.4	20 500				34.0
36.0	14.1	43.7	18 200*	20.9	47.5	20 800*	28.3	51.2	21 800	34.1	53.9	21 100	42.1	56.9	20 100	48.8	58.7	19 000				36.0
38.0							19.6	46.6	20 300	27.3	50.4	19 700	36.6	54.4	18 700	44.1	56.8	17 700				38.0
40.0										18.2	45.5	18 400	30.3	51.3	17 400	38.8	54.5	16 500	45.7	56.3	15 600	40.0
42.0													22.5	47.1	16 300	32.9	51.6	15 400	40.7	54.1	14 500	42.0
44.0													9.5	39.8	15 300	25.8	48.0	14 500	35.0	51.5	13 600	44.0
46.0																			28.4	48.2	12 800	46.0
48.0																			19.8	43.6	12 000	48.0

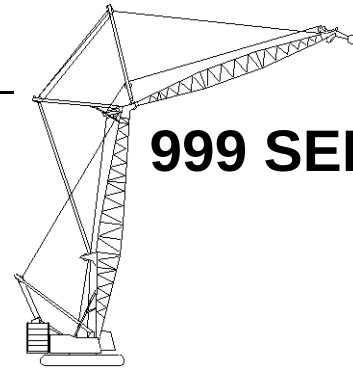


Liftcrane Luffing Jib Capacities

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**

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



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

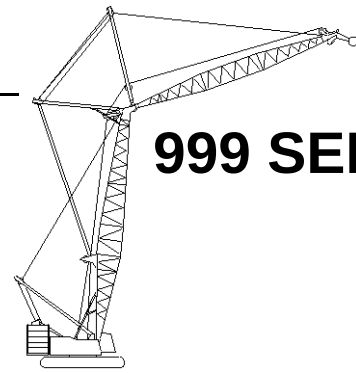
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.2	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	35 300										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	31 800										26.0
28.0	48.3	63.0	26 500*	50.7	64.0	27 800*	54.2	65.1	29 600*	57.5	66.0	29 000										28.0
30.0	43.9	61.1	23 900*	46.5	62.2	26 000*	50.2	63.5	27 400	53.7	64.6	26 500	59.1	65.9	25 200							30.0
32.0	39.1	58.7	21 600*	42.0	60.1	24 400*	46.0	61.7	25 200	49.7	63.0	24 400	55.3	64.5	23 100							32.0
34.0	33.8	56.0	19 700*	37.0	57.6	22 600*	41.4	59.6	23 300	45.4	61.1	22 600	51.4	63.0	21 400	56.8	64.1	20 200				34.0
36.0	27.5	52.5	18 100*	31.3	54.6	20 800*	36.3	57.0	21 600	40.7	58.9	20 900	47.2	61.3	19 800	52.9	62.7	18 700				36.0
38.0	19.4	47.8	17 000*	24.5	50.7	19 200*	30.5	53.9	20 100	35.6	56.3	19 500	42.7	59.2	18 500	48.9	61.0	17 400				38.0
40.0							23.5	49.9	18 800	29.7	53.1	18 200	37.8	56.8	17 200	44.5	59.1	16 300	50.3	60.5	15 300	40.0
42.0							13.1	43.6	16 900	22.3	48.9	17 000	32.3	53.9	16 100	39.8	56.9	15 200	46.0	58.6	14 300	42.0
44.0										11.0	42.0	15 900	25.7	50.2	15 100	34.5	54.2	14 200	41.4	56.5	13 400	44.0
46.0													16.8	44.9	14 200	28.4	50.8	13 400	36.4	54.0	12 600	46.0
48.0																20.7	46.3	12 600	30.6	50.9	11 800	48.0
50.0																			23.6	46.8	11 100	50.0



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**

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



999 SERIES 3

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	31 700										26.0
28.0	52.2	67.0	26 100*	54.3	67.8	27 300*	57.3	68.8	29 100*	60.3	69.6	28 800										28.0
30.0	48.4	65.3	23 800*	50.6	66.3	25 600*	53.8	67.4	27 100	56.9	68.4	26 400										30.0
32.0	44.3	63.4	21 500*	46.7	64.5	24 100*	50.1	65.8	25 000	53.3	66.9	24 300	58.3	68.2	23 000							32.0
34.0	40.0	61.1	19 600*	42.6	62.4	22 400*	46.2	64.0	23 200	49.6	65.3	22 400	54.8	66.9	21 200							34.0
36.0	35.2	58.5	17 900*	38.0	60.0	20 600*	42.0	61.9	21 500	45.7	63.4	20 800	51.2	65.3	19 700	56.2	66.5	18 600				36.0
38.0	29.7	55.2	16 500*	33.0	57.1	19 000*	37.4	59.4	20 000	41.4	61.3	19 300	47.3	63.6	18 300	52.6	65.0	17 300				38.0
40.0	23.0	51.1	15 500*	27.1	53.6	17 600*	32.3	56.5	18 700	36.8	58.8	18 100	43.2	61.6	17 100	48.9	63.3	16 100				40.0
42.0	13.5	44.8	14 200*	19.6	48.8	16 300*	26.3	52.9	17 400	31.5	55.8	16 900	38.8	59.2	16 000	44.9	61.4	15 000	50.2	62.8	14 100	42.0
44.0							18.5	47.9	16 200*	25.3	52.0	15 900	33.8	56.4	15 000	40.5	59.2	14 100	46.3	60.9	13 200	44.0
46.0										17.1	46.7	14 900	28.1	53.0	14 100	35.8	56.6	13 200	42.1	58.8	12 400	46.0
48.0													21.0	48.5	13 200	30.4	53.5	12 400	37.5	56.4	11 600	48.0
50.0													9.6	40.9	12 400	24.0	49.5	11 700	32.3	53.5	11 000	50.0
52.0																			26.3	49.8	10 300	52.0
54.0																			18.6	44.8	9 700	54.0

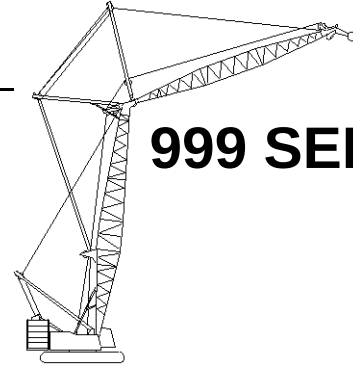


Liftcrane Luffing Jib Capacities

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

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



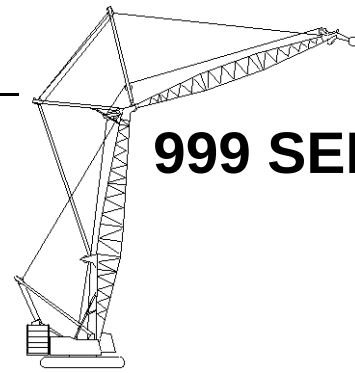
33.5m (110 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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	31 500										26.0
28.0	55.3	70.8	25 600*	57.2	71.5	26 700*	59.9	72.4	28 500*	62.6	73.1	28 600										28.0
30.0	51.9	69.3	23 600*	53.9	70.1	25 000*	56.8	71.2	26 600*	59.5	72.0	26 200										30.0
32.0	48.4	67.6	21 300*	50.5	68.6	23 500*	53.5	69.7	24 900	56.3	70.7	24 000	60.8	71.8	22 700							32.0
34.0	44.7	65.7	19 400*	46.9	66.8	22 100*	50.0	68.1	23 000	53.0	69.2	22 200	57.7	70.6	21 000							34.0
36.0	40.7	63.5	17 800*	43.0	64.7	20 400*	46.4	66.3	21 300	49.6	67.6	20 600	54.4	69.2	19 400							36.0
38.0	36.3	60.9	16 300*	38.9	62.4	18 800*	42.5	64.2	19 800	45.9	65.8	19 200	51.0	67.6	18 100	55.7	68.8	17 000				38.0
40.0	31.4	57.9	15 100*	34.3	59.6	17 300*	38.3	61.8	18 500	42.0	63.6	17 900	47.5	65.9	16 800	52.4	67.3	15 800				40.0
42.0	25.7	54.1	14 100*	29.2	56.3	16 100*	33.7	59.0	17 200*	37.8	61.2	16 700	43.7	63.9	15 700	48.9	65.6	14 800				42.0
44.0	18.4	49.0	13 400*	22.9	52.1	15 000*	28.4	55.7	15 900*	33.1	58.3	15 700	39.6	61.6	14 800	45.2	63.7	13 900	50.1	65.1	13 000	44.0
46.0							22.0	51.3	14 800*	27.7	54.8	14 700	35.1	58.9	13 800	41.2	61.6	13 000	46.5	63.2	12 100	46.0
48.0							12.7	44.7	13 400*	21.0	50.3	13 900	30.0	55.7	13 000	36.9	59.1	12 200	42.6	61.2	11 400	48.0
50.0										10.9	43.1	13 000	24.0	51.7	12 300	32.1	56.1	11 500	38.4	58.8	10 700	50.0
52.0													16.0	46.0	11 500	26.5	52.4	10 800	33.8	56.0	10 100	52.0
54.0																19.5	47.6	10 200	28.5	52.6	9 500	54.0
56.0																			22.1	48.3	9 000	56.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	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	31 400										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	28 500										28.0
30.0	54.9	73.1	23 300*	56.7	73.9	24 600*	59.3	74.8	26 100*	61.8	75.5	26 100										30.0
32.0	51.7	71.6	21 300*	53.6	72.4	23 100*	56.3	73.5	24 500*	58.9	74.3	23 900	63.0	75.2	22 600							32.0
34.0	48.4	69.9	19 400*	50.4	70.9	21 700*	53.2	72.0	22 900	55.9	73.0	22 100	60.1	74.1	20 900							34.0
36.0	45.0	68.0	17 800*	47.0	69.1	20 300*	50.0	70.4	21 200	52.8	71.5	20 500	57.1	72.9	19 400							36.0
38.0	41.3	65.8	16 300*	43.5	67.1	18 700*	46.6	68.6	19 700	49.5	69.9	19 100	54.1	71.5	18 000							38.0
40.0	37.3	63.3	15 100*	39.7	64.8	17 300*	43.0	66.6	18 400	46.1	68.1	17 800	50.9	69.9	16 800	55.3	71.1	15 800				40.0
42.0	32.9	60.4	14 000*	35.5	62.1	16 000*	39.1	64.2	17 100*	42.5	66.0	16 700	47.6	68.2	15 700	52.2	69.6	14 700				42.0
44.0	27.8	57.0	13 100*	30.9	59.0	14 900*	34.9	61.5	15 900*	38.6	63.6	15 600	44.0	66.2	14 700	48.9	67.9	13 800				44.0
46.0	21.7	52.5	12 300*	25.4	55.2	13 900*	30.2	58.3	14 700*	34.3	60.8	14 700	40.3	63.9	13 800	45.4	66.1	12 900	50.0	67.4	12 100	46.0
48.0	13.1	45.9	11 500*	18.6	50.1	12 900*	24.7	54.4	13 700*	29.5	57.6	13 800	36.2	61.4	13 000	41.8	63.9	12 100	46.6	65.5	11 300	48.0
50.0							17.6	49.1	12 800*	23.8	53.5	13 000	31.6	58.3	12 200	37.8	61.5	11 400	43.0	63.5	10 700	50.0
52.0										16.4	47.9	12 300	26.4	54.7	11 500	33.4	58.6	10 800	39.2	61.2	10 000	52.0
54.0													19.9	49.9	10 900	28.5	55.2	10 100	35.0	58.5	9 500	54.0
56.0													9.7	42.0	10 200	22.6	51.0	9 600	30.3	55.3	8 900	56.0
58.0																			24.8	51.4	8 400	58.0
60.0																			17.7	46.1	7 900	60.0

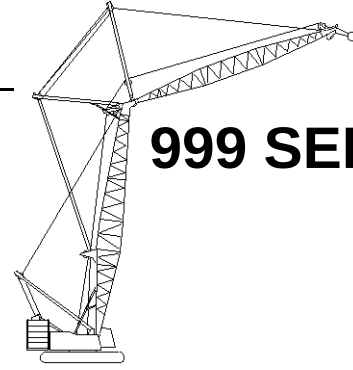


Liftcrane Luffing Jib Capacities

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**

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



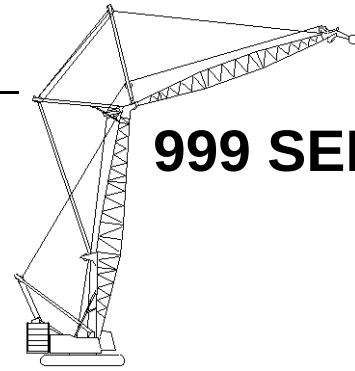
33.5m (110 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	28 300										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	25 800										30.0
32.0	54.5	75.5	21 000*	56.2	76.2	22 500*	58.6	77.1	23 900*	61.0	77.9	23 800										32.0
34.0	51.6	73.9	19 300*	53.3	74.8	21 300*	55.8	75.8	22 500	58.3	76.7	21 900	62.1	77.6	20 700							34.0
36.0	48.5	72.2	17 700*	50.3	73.2	20 000*	52.9	74.4	21 000	55.5	75.3	20 300	59.4	76.5	19 100							36.0
38.0	45.2	70.3	16 300*	47.2	71.4	18 500*	49.9	72.7	19 600	52.5	73.9	18 900	56.7	75.2	17 800							38.0
40.0	41.8	68.2	15 000*	43.8	69.4	17 100*	46.7	70.9	18 300	49.5	72.2	17 600	53.8	73.8	16 600							40.0
42.0	38.1	65.7	13 900*	40.3	67.1	15 900*	43.4	68.9	17 000	46.3	70.4	16 400	50.8	72.2	15 500	54.9	73.4	14 500				42.0
44.0	34.1	63.0	12 900*	36.5	64.6	14 700*	39.8	66.6	15 700*	42.9	68.3	15 400	47.7	70.5	14 500	52.0	71.9	13 500				44.0
46.0	29.5	59.7	12 100*	32.3	61.6	13 700*	36.0	64.0	14 600*	39.3	66.0	14 500	44.4	68.5	13 600	48.9	70.2	12 700				46.0
48.0	24.3	55.7	11 400*	27.5	58.0	12 800*	31.7	61.0	13 500*	35.4	63.3	13 600	40.9	66.3	12 800	45.7	68.4	11 900	49.9	69.7	11 100	48.0
50.0	17.5	50.3	10 900*	21.7	53.6	11 900*	26.8	57.3	12 600*	31.1	60.2	12 900	37.1	63.8	12 000	42.2	66.3	11 200	46.8	67.8	10 400	50.0
52.0							20.9	52.7	11 800*	26.1	56.5	12 100	33.0	60.9	11 300	38.6	63.9	10 600	43.4	65.8	9 800	52.0
54.0							12.4	45.8	10 700*	19.9	51.6	11 400	28.3	57.4	10 700	34.6	61.1	10 000	39.9	63.5	9 200	54.0
56.0										10.8	44.1	10 600	22.7	53.2	10 100	30.2	57.9	9 400	36.0	60.9	8 700	56.0
58.0													15.3	47.2	9 500	25.0	54.0	8 900	31.7	57.9	8 200	58.0
60.0																18.5	48.9	8 300	26.9	54.3	7 700	60.0
62.0																			20.9	49.7	7 300	62.0
64.0																			12.6	42.8	6 800	64.0

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**

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



999 SERIES 3

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	25 700										30.0
32.0	56.9	79.2	20 600*	58.4	79.8	22 100*	60.7	80.7	23 500*	62.9	81.3	23 600										32.0
34.0	54.2	77.8	19 000*	55.8	78.5	20 900*	58.1	79.5	22 100*	60.3	80.2	21 800										34.0
36.0	51.4	76.2	17 500*	53.1	77.1	19 700*	55.5	78.1	20 800	57.8	79.0	20 100	61.4	80.0	19 000							36.0
38.0	48.5	74.5	16 200*	50.2	75.5	18 400*	52.7	76.7	19 400	55.1	77.6	18 700	58.9	78.8	17 600							38.0
40.0	45.5	72.6	14 900*	47.3	73.7	16 900*	49.9	75.0	18 100	52.3	76.2	17 500	56.2	77.5	16 400							40.0
42.0	42.2	70.5	13 800*	44.2	71.7	15 700*	46.9	73.2	16 800*	49.5	74.5	16 300	53.5	76.1	15 300							42.0
44.0	38.8	68.1	12 900*	40.8	69.5	14 500*	43.7	71.2	15 500*	46.5	72.7	15 300	50.7	74.5	14 300	54.6	75.7	13 400				44.0
46.0	35.1	65.4	12 000*	37.3	67.0	13 500*	40.4	69.0	14 400*	43.3	70.6	14 300	47.7	72.8	13 400	51.8	74.2	12 500				46.0
48.0	31.0	62.3	11 200*	33.4	64.1	12 600*	36.8	66.4	13 400*	39.9	68.4	13 500	44.7	70.8	12 600	48.9	72.5	11 700				48.0
50.0	26.3	58.6	10 600*	29.1	60.8	11 700*	32.9	63.5	12 500*	36.3	65.8	12 700	41.4	68.7	11 800	45.9	70.7	11 000	49.9	72.0	10 200	50.0
52.0	20.7	53.9	10 100*	24.1	56.7	10 900*	28.5	60.1	11 600*	32.4	62.8	12 000	37.9	66.2	11 200	42.7	68.6	10 400	46.9	70.2	9 600	52.0
54.0	12.8	47.0	9 300*	17.8	51.4	10 200*	23.4	55.9	10 800*	27.9	59.3	11 300	34.1	63.4	10 500	39.3	66.2	9 800	43.8	68.1	9 000	54.0
56.0							16.8	50.3	10 100*	22.6	55.0	10 700	29.9	60.1	9 900	35.6	63.6	9 200	40.5	65.9	8 500	56.0
58.0										15.7	49.1	10 000*	25.0	56.2	9 400	31.5	60.5	8 700	36.9	63.4	8 000	58.0
60.0													18.9	51.1	8 900	27.0	56.9	8 200	33.0	60.5	7 500	60.0
62.0													9.7	43.1	8 400	21.5	52.4	7 700	28.6	57.0	7 100	62.0
64.0																14.0	45.9	7 300	23.5	52.9	6 700	64.0
66.0																			16.9	47.3	6 300	66.0

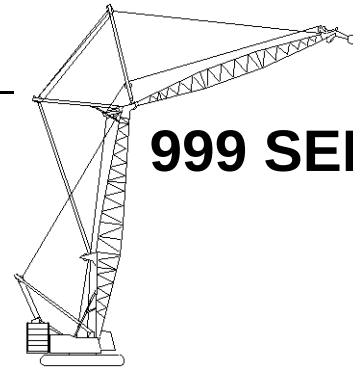


Liftcrane Luffing Jib Capacities

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**

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



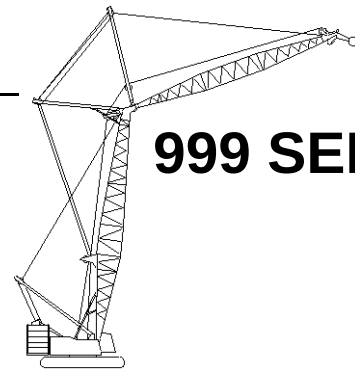
33.5m (110 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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	23 300										32.0
34.0	58.5	85.1	18 400*	59.8	85.7	19 900*	61.8	86.5	21 100*	63.7	87.1	21 400										34.0
36.0	56.1	83.8	17 100*	57.5	84.5	18 800*	59.5	85.4	20 000*	61.5	86.1	19 800										36.0
38.0	53.7	82.4	15 900*	55.1	83.2	17 800*	57.2	84.1	18 800*	59.2	84.9	18 400										38.0
40.0	51.2	80.8	14 800*	52.6	81.7	16 600*	54.8	82.8	17 800*	56.9	83.7	17 100	60.2	84.7	16 000							40.0
42.0	48.6	79.1	13 800*	50.1	80.1	15 300*	52.3	81.3	16 400*	54.5	82.3	16 000	57.9	83.5	15 000							42.0
44.0	45.8	77.2	12 800*	47.4	78.3	14 200*	49.8	79.6	15 200*	52.0	80.8	15 000	55.5	82.2	14 000							44.0
46.0	43.0	75.2	12 000*	44.7	76.3	13 100*	47.1	77.8	14 000*	49.4	79.1	14 000	53.0	80.7	13 100	56.4	81.8	12 200				46.0
48.0	40.0	72.9	11 200*	41.8	74.2	12 200*	44.3	75.9	13 000*	46.7	77.3	13 200	50.5	79.1	12 300	54.0	80.4	11 400				48.0
50.0	36.8	70.3	10 500*	38.7	71.8	11 400*	41.4	73.7	12 100*	43.9	75.3	12 400	47.9	77.4	11 500	51.5	78.8	10 700				50.0
52.0	33.3	67.4	9 900*	35.4	69.1	10 600*	38.3	71.2	11 300*	41.0	73.1	11 700	45.1	75.5	10 900	48.9	77.1	10 100	52.4	78.2	9 200	52.0
54.0	29.5	64.1	9 300*	31.7	66.0	9 900*	34.9	68.5	10 500*	37.8	70.6	11 000	42.2	73.3	10 200	46.2	75.3	9 500	49.8	76.6	8 700	54.0
56.0	25.1	60.2	8 800*	27.7	62.5	9 200*	31.3	65.4	9 800*	34.4	67.8	10 400	39.2	71.0	9 600	43.4	73.2	8 900	47.1	74.8	8 200	56.0
58.0	19.8	55.2	8 300*	23.0	58.2	8 600*	27.2	61.8	9 100*	30.7	64.6	9 700*	35.9	68.3	9 100	40.4	71.0	8 400	44.4	72.8	7 700	58.0
60.0	12.5	48.1	7 200*	17.2	52.6	8 000*	22.4	57.3	8 500*	26.6	60.9	9 000*	32.3	65.3	8 600	37.2	68.5	7 900	41.4	70.6	7 200	60.0
62.0							16.2	51.5	8 000*	21.6	56.4	8 400*	28.4	61.9	8 100	33.8	65.6	7 400	38.3	68.2	6 800	62.0
64.0							5.2	40.5	6 600*	15.2	50.2	7 900*	23.8	57.7	7 700	30.0	62.3	7 000	35.0	65.4	6 400	64.0
66.0													18.2	52.4	7 200	25.7	58.5	6 600	31.3	62.3	6 000	66.0
68.0													9.8	44.2	6 800	20.6	53.7	6 300	27.2	58.7	5 700	68.0
70.0																13.7	47.1	5 900	22.4	54.3	5 300	70.0
72.0																			16.3	48.5	5 000	72.0

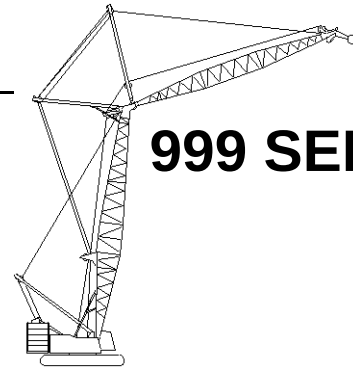


Liftcrane Luffing Jib Capacities

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**

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



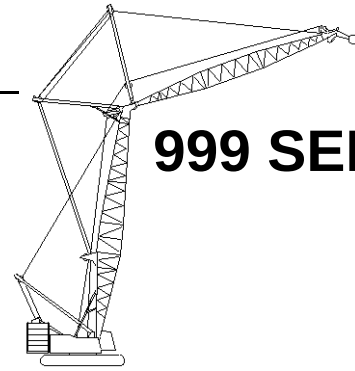
33.5m (110 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

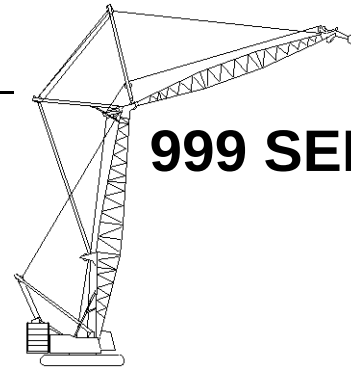


Liftcrane Luffing Jib Capacities

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**

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



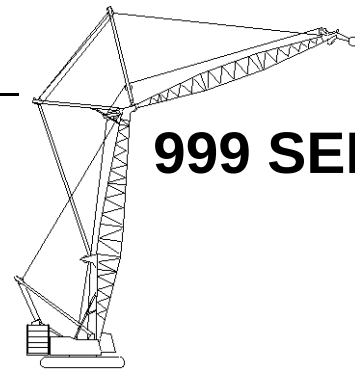
33.5m (110 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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	18 000*										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	17 600										38.0
40.0	58.8	95.7	12 700*	59.9	96.4	15 000*	61.6	97.1	16 100*	63.2	97.8	16 400										40.0
42.0	56.9	94.5	12 000*	58.0	95.1	14 200*	59.7	96.0	15 200*	61.3	96.7	15 300										42.0
44.0	54.9	93.1	11 400*	56.1	93.8	13 400*	57.8	94.8	14 400*	59.4	95.6	14 200										44.0
46.0	52.9	91.6	10 700*	54.1	92.4	12 400*	55.8	93.5	13 300*	57.5	94.3	13 300	60.2	95.4	12 300							46.0
48.0	50.8	90.0	10 100*	52.0	90.9	11 400*	53.8	92.0	12 300*	55.6	93.0	12 500	58.3	94.2	11 500							48.0
50.0	48.6	88.3	9 600*	49.9	89.3	10 600*	51.8	90.5	11 300*	53.5	91.5	11 700	56.4	92.9	10 800							50.0
52.0	46.4	86.5	9 000*	47.7	87.5	9 800*	49.6	88.8	10 500*	51.5	90.0	11 000	54.4	91.5	10 100	57.1	92.4	9 200				52.0
54.0	44.1	84.5	8 500*	45.5	85.6	9 100*	47.4	87.0	9 700*	49.3	88.3	10 300	52.3	90.0	9 500	55.2	91.1	8 700				54.0
56.0	41.7	82.3	8 000*	43.1	83.5	8 400*	45.2	85.1	9 000*	47.1	86.5	9 600*	50.2	88.3	8 900	53.1	89.6	8 100				56.0
58.0	39.1	79.9	7 500*	40.6	81.2	7 800*	42.8	83.0	8 300*	44.8	84.5	8 900*	48.1	86.6	8 400	51.1	88.0	7 600				58.0
60.0	36.5	77.3	6 900*	38.0	78.8	7 200*	40.3	80.7	7 700*	42.5	82.4	8 200*	45.8	84.7	7 900	48.9	86.3	7 100	51.8	87.4	6 400	60.0
62.0	33.6	74.4	6 400*	35.3	76.1	6 700*	37.7	78.2	7 200*	40.0	80.1	7 600*	43.5	82.6	7 400	46.7	84.5	6 700	49.7	85.8	6 000	62.0
64.0	30.5	71.2	5 900*	32.3	73.0	6 200*	34.9	75.5	6 600*	37.3	77.6	7 100*	41.0	80.4	7 000	44.4	82.5	6 300	47.5	84.0	5 600	64.0
66.0	27.0	67.5	5 500*	29.1	69.6	5 700*	31.9	72.4	6 100*	34.5	74.8	6 500*	38.5	78.0	6 600	42.0	80.4	5 900	45.2	82.0	5 300	66.0
68.0	23.1	63.2	5 100*	25.5	65.7	5 300*	28.7	68.9	5 700*	31.5	71.7	6 100*	35.7	75.3	6 200	39.5	78.0	5 500	42.8	79.9	4 900	68.0
70.0	18.5	57.8	4 700*	21.3	61.0	4 900*	25.0	64.9	5 200*	28.2	68.1	5 600*	32.8	72.3	5 800	36.8	75.4	5 200	40.3	77.7	4 600	70.0
72.0	12.1	50.3	3 900*	16.1	55.0	4 500*	20.7	60.1	4 900*	24.5	64.0	5 200*	29.6	69.0	5 500	34.0	72.6	4 900	37.7	75.2	4 300	72.0
74.0							15.3	53.9	4 500*	20.1	59.1	4 800*	26.1	65.2	5 200	30.9	69.4	4 600	35.0	72.4	4 000	74.0
76.0							6.4	43.1	3 600*	14.5	52.5	4 400*	22.0	60.6	4 800	27.5	65.8	4 300	32.0	69.4	3 700	76.0
78.0													17.1	54.9	4 500	23.7	61.5	4 000	28.7	65.9	3 500	78.0
80.0													9.9	46.3	4 200*	19.1	56.4	3 700	25.0	61.9	3 200	80.0
82.0																13.1	49.3	3 500	20.8	57.1	3 000	82.0
84.0																			15.4	50.8	2 700	84.0

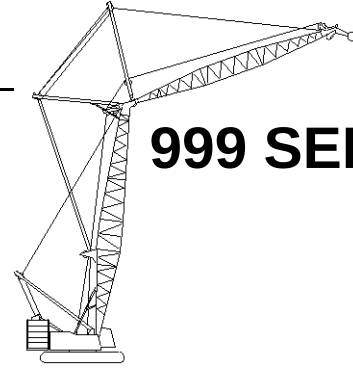


Liftcrane Luffing Jib Capacities

999 SERIES 3

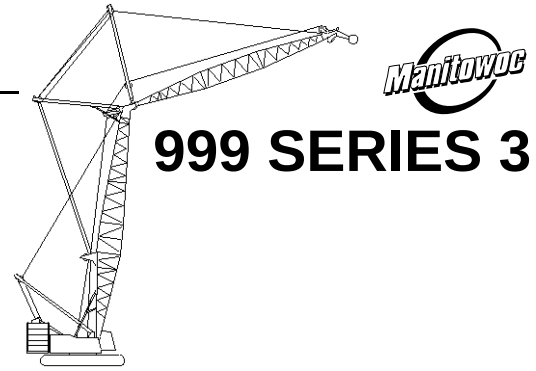
**Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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



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	16 100*										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	15 900*										40.0
42.0	58.4	98.1	11 600*	59.5	98.7	13 600*	61.1	99.5	14 600*	62.6	100.2	15 100*										42.0
44.0	56.6	96.8	11 000*	57.7	97.5	13 000*	59.3	98.4	14 000*	60.8	99.1	14 000*										44.0
46.0	54.7	95.4	10 400*	55.8	96.2	12 200*	57.4	97.1	13 100*	59.0	97.9	13 100*	61.6	98.9	12 100*							46.0
48.0	52.7	93.9	9 900*	53.9	94.7	11 200*	55.5	95.8	12 000*	57.2	96.6	12 300*	59.8	97.7	11 300*							48.0
50.0	50.7	92.3	9 400*	51.9	93.2	10 400*	53.6	94.3	11 100*	55.3	95.3	11 500*	58.0	96.5	10 600*							50.0
52.0	48.7	90.6	8 800*	49.9	91.6	9 600*	51.6	92.8	10 300*	53.4	93.8	10 800*	56.1	95.2	9 900*							52.0
54.0	46.5	88.8	8 400*	47.8	89.8	8 800*	49.6	91.1	9 500*	51.4	92.3	10 100*	54.2	93.8	9 300*	56.8	94.8	8 400*				54.0
56.0	44.3	86.8	7 800*	45.6	87.9	8 200*	47.5	89.3	8 800*	49.3	90.6	9 400*	52.2	92.3	8 700*	54.9	93.4	7 900*				56.0
58.0	42.0	84.6	7 200*	43.4	85.8	7 500*	45.3	87.4	8 100*	47.2	88.8	8 700*	50.2	90.6	8 100*	53.0	91.9	7 400*				58.0
60.0	39.6	82.3	6 700*	41.0	83.6	7 000*	43.1	85.3	7 500*	45.0	86.9	8 000*	48.1	88.9	7 700*	51.0	90.3	6 900*				60.0
62.0	37.1	79.7	6 200*	38.6	81.2	6 500*	40.7	83.1	6 900*	42.8	84.8	7 400*	46.0	87.0	7 200*	48.9	88.6	6 500*	51.7	89.7	5 800*	62.0
64.0	34.3	76.9	5 700*	35.9	78.5	6 000*	38.2	80.6	6 400*	40.4	82.5	6 800*	43.7	85.0	6 800*	46.8	86.8	6 100*	49.6	88.1	5 400*	64.0
66.0	31.4	73.8	5 200*	33.2	75.6	5 500*	35.6	77.9	5 900*	37.9	80.0	6 300*	41.4	82.8	6 300*	44.6	84.8	5 700*	47.5	86.3	5 000*	66.0
68.0	28.3	70.3	4 900*	30.2	72.3	5 100*	32.8	75.0	5 400*	35.2	77.3	5 800*	39.0	80.4	6 000*	42.3	82.7	5 300*	45.4	84.4	4 700*	68.0
70.0	24.7	66.2	4 500*	26.8	68.6	4 700*	29.7	71.6	5 000*	32.4	74.2	5 400*	36.4	77.8	5 600*	39.9	80.4	5 000*	43.1	82.3	4 400*	70.0
72.0	20.6	61.3	4 100*	23.1	64.2	4 300*	26.4	67.8	4 600*	29.3	70.9	5 000*	33.6	74.9	5 300*	37.4	77.9	4 700*	40.7	80.0	4 100*	72.0
74.0	15.4	55.1	3 600*	18.6	58.9	3 900*	22.6	63.4	4 200*	25.9	67.0	4 600*	30.6	71.6	4 900*	34.7	75.1	4 400*	38.3	77.6	3 800*	74.0
76.0	7.2	44.8	2 500*	12.7	51.6	3 400*	18.0	57.9	3 900*	22.0	62.4	4 200*	27.4	68.0	4 700*	31.8	72.0	4 100*	35.6	74.9	3 500*	76.0
78.0							11.7	50.1	3 500*	17.2	56.7	3 800*	23.7	63.7	4 300*	28.7	68.5	3 800*	32.8	71.9	3 200*	78.0
80.0										10.6	48.4	3 400*	19.4	58.6	3 900*	25.2	64.5	3 500*	29.8	68.6	3 000*	80.0
82.0													13.8	51.8	3 600*	21.2	59.8	3 300*	26.4	64.8	2 800*	82.0
84.0																16.2	53.8	3 000*	22.6	60.3	2 500*	84.0
86.0																			18.0	54.8	2 300*	86.0
88.0																			11.8	47.2	2 100*	88.0



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

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

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	51 500*b													18.0
20.0	40.4	52.5	41 600*	45.5	53.9	43 600*	52.4	55.4	46 500	58.6	56.4	45 100b										20.0
22.0	30.9	49.6	38 700*	37.2	51.5	40 300*	45.1	53.5	41 100	52.0	55.0	40 000										22.0
24.0	17.0	44.9	32 300*	26.7	48.2	37 600	36.7	51.1	36 900	44.7	53.1	35 800	55.7	55.0	34 100							24.0
26.0							26.1	47.7	33 300	36.2	50.7	32 400	48.8	53.4	30 800							26.0
28.0										25.4	47.2	29 500	41.1	51.4	28 100	52.4	53.3	26 600				28.0
30.0													31.8	48.5	25 700	45.2	51.5	24 300				30.0
32.0													18.6	44.1	23 600	36.8	49.1	22 400	48.6	51.1	21 200	32.0
34.0																26.2	45.7	20 700	40.8	49.0	19 600	34.0
36.0																			31.5	46.2	18 200	36.0
38.0																			18.2	41.6	16 900	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	50 200*b													18.0
20.0	48.3	57.0	40 400*	52.2	58.0	42 500*	57.8	59.1	45 700	62.9	59.9	44 900b										20.0
22.0	41.5	54.9	37 500*	45.9	56.2	39 200*	52.0	57.7	41 000	57.5	58.7	39 700										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	35 600										24.0
26.0	23.5	48.4	31 100*	30.4	50.9	34 100*	38.5	53.6	33 200	45.2	55.4	32 200	54.9	57.4	30 600							26.0
28.0				18.6	46.3	29 700*	29.9	50.5	30 200	38.0	53.1	29 300	48.8	55.7	27 800							28.0
30.0							17.8	45.8	27 600	29.3	50.0	26 800	42.1	53.7	25 500	52.0	55.6	24 100				30.0
32.0										16.9	45.1	24 700	34.4	51.1	23 400	45.7	53.8	22 200				32.0
34.0													24.5	47.4	21 600	38.5	51.5	20 500	48.7	53.4	19 400	34.0
36.0																30.0	48.5	19 000	42.0	51.4	18 000	36.0
38.0																17.9	43.7	17 700	34.2	48.7	16 700	38.0
40.0																			24.2	45.0	15 600	40.0

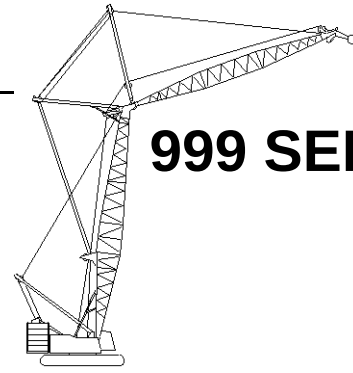


Liftcrane Luffing Jib Capacities

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**

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



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	49 000*b													18.0
20.0	53.8	60.9	39 500*	57.1	61.7	41 600*	61.7	62.7	44 900*	66.2	63.3	44 800b										20.0
22.0	48.4	59.3	36 600*	51.9	60.3	38 400*	56.8	61.5	41 000	61.5	62.3	39 600										22.0
24.0	42.4	57.2	33 500*	46.3	58.5	35 700*	51.6	60.0	36 600	56.5	61.1	35 500										24.0
26.0	35.7	54.7	29 900*	40.1	56.3	33 300*	46.0	58.2	33 100	51.3	59.6	32 100	59.3	61.0	30 400							26.0
28.0	27.5	51.3	27 100*	32.9	53.5	30 700*	39.8	55.9	30 100	45.7	57.7	29 200	54.2	59.7	27 700							28.0
30.0	15.7	46.1	24 100*	23.9	49.7	27 800*	32.5	53.1	27 600	39.4	55.5	26 700	48.9	58.0	25 400							30.0
32.0				7.6	42.2	22 300*	23.4	49.2	25 400	32.1	52.6	24 600	43.0	56.0	23 300	51.7	57.9	22 000				32.0
34.0										22.8	48.6	22 800	36.3	53.6	21 600	46.1	56.1	20 400				34.0
36.0													28.3	50.3	20 000	39.8	53.9	18 900	48.7	55.7	17 800	36.0
38.0													17.0	45.3	18 600	32.6	51.1	17 600	42.8	53.7	16 600	38.0
40.0																23.5	47.2	16 400	36.1	51.2	15 400	40.0
42.0																			28.0	47.9	14 400	42.0
44.0																			16.6	42.8	13 500	44.0

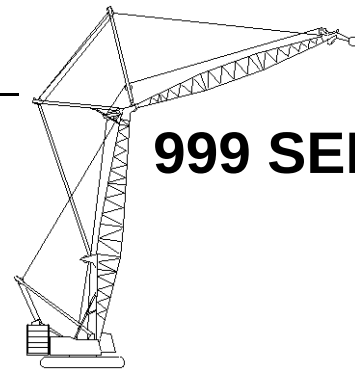
36.6m (120 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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	43 700*													20.0
22.0	53.3	63.2	35 700*	56.3	64.1	37 500*	60.5	65.0	40 200	64.6	65.7	39 500										22.0
24.0	48.4	61.6	32 900*	51.6	62.6	34 800*	56.1	63.8	36 500	60.3	64.7	35 300										24.0
26.0	43.1	59.6	29 400*	46.6	60.8	32 500*	51.4	62.3	32 900	55.8	63.4	31 900	62.7	64.5	30 200							26.0
28.0	37.2	57.1	26 400*	41.1	58.6	30 300*	46.3	60.5	30 000	51.1	61.9	29 000	58.3	63.4	27 400							28.0
30.0	30.3	54.1	24 000*	34.8	56.0	27 600*	40.8	58.3	27 400	46.0	60.0	26 600	53.7	62.0	25 100							30.0
32.0	21.4	49.8	22 300*	27.4	52.6	25 100*	34.5	55.7	25 300	40.5	57.9	24 400	48.9	60.3	23 100	56.1	61.7	21 800				32.0
34.0				17.2	47.5	22 500*	27.0	52.2	23 300	34.1	55.2	22 600	43.6	58.4	21 300	51.4	60.2	20 100				34.0
36.0							16.5	47.0	21 700	26.5	51.6	21 000	37.7	56.0	19 800	46.4	58.4	18 700				36.0
38.0										15.7	46.3	19 500	30.9	53.0	18 400	40.8	56.2	17 300	48.7	58.0	16 300	38.0
40.0													22.3	48.8	17 200	34.6	53.6	16 200	43.5	56.0	15 200	40.0
42.0																27.1	50.1	15 100	37.6	53.6	14 200	42.0
44.0																16.6	45.0	14 100	30.7	50.6	13 300	44.0
46.0																			22.1	46.4	12 400	46.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.6	71.4	49 700*b																			12.2
14.0	72.4	70.9	48 100*b																			14.0
16.0	68.8	70.1	44 200*	71.1	70.5	46 700*b																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	42 600*													20.0
22.0	57.2	67.0	34 900*	59.7	67.7	36 600*	63.5	68.5	39 400*													22.0
24.0	53.0	65.5	32 300*	55.7	66.4	34 100*	59.5	67.4	36 300	63.2	68.1	35 300										24.0
26.0	48.5	63.9	29 100*	51.4	64.9	31 800*	55.5	66.1	32 900	59.3	67.0	31 800										26.0
28.0	43.7	61.9	26 000*	46.8	63.1	29 800*	51.2	64.6	29 900	55.2	65.7	28 900	61.5	66.9	27 400							28.0
30.0	38.4	59.5	23 500*	41.8	61.0	27 600*	46.6	62.8	27 400	50.9	64.2	26 500	57.5	65.7	25 000							30.0
32.0	32.4	56.7	21 400*	36.3	58.5	25 100*	41.6	60.7	25 200	46.3	62.4	24 400	53.3	64.3	23 000							32.0
34.0	25.2	52.9	19 800*	30.0	55.3	23 000*	36.1	58.1	23 300	41.3	60.2	22 600	48.9	62.6	21 300	55.5	64.0	20 100				34.0
36.0	14.8	47.2	18 300*	22.0	51.1	21 200*	29.6	54.9	21 700	35.7	57.6	20 900	44.1	60.7	19 800	51.2	62.5	18 600				36.0
38.0				8.2	43.3	17 500*	21.5	50.6	20 200	29.2	54.4	19 500	38.9	58.4	18 400	46.6	60.7	17 300				38.0
40.0										21.0	50.0	18 200	33.0	55.5	17 200	41.6	58.6	16 100	48.8	60.3	15 100	40.0
42.0													25.8	51.9	16 100	36.1	56.1	15 100	44.0	58.3	14 100	42.0
44.0													15.9	46.5	15 100	29.7	52.9	14 200	38.7	56.0	13 200	44.0
46.0																21.6	48.6	13 300	32.8	53.2	12 500	46.0
48.0																			25.6	49.5	11 700	48.0
50.0																			15.6	44.0	11 000	50.0

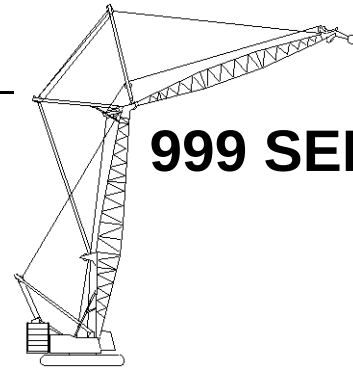


Liftcrane Luffing Jib Capacities

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

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



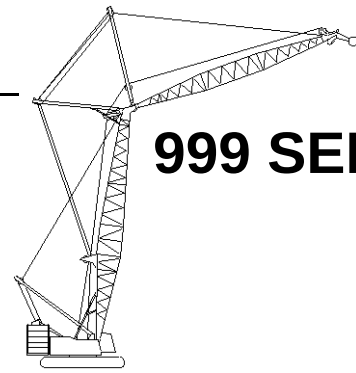
36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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*b																			13.7
14.0	75.2	77.2	40 100*b																			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	37 500*													22.0
24.0	59.4	72.9	30 900*	61.5	73.6	32 600*	64.6	74.3	34 900*													24.0
26.0	55.9	71.6	28 100*	58.2	72.4	30 400*	61.4	73.3	32 500	64.4	74.0	31 400										26.0
28.0	52.4	70.1	25 400*	54.7	71.0	28 600*	58.0	72.1	29 500	61.2	72.9	28 600										28.0
30.0	48.6	68.5	23 000*	51.0	69.5	26 900*	54.5	70.7	27 100	57.8	71.7	26 100										30.0
32.0	44.5	66.5	20 900*	47.1	67.7	24 800*	50.8	69.2	24 900	54.3	70.3	24 000	59.7	71.6	22 600							32.0
34.0	40.2	64.3	19 000*	43.0	65.7	22 700*	46.9	67.4	23 000	50.6	68.8	22 200	56.2	70.4	20 900							34.0
36.0	35.4	61.7	17 500*	38.5	63.3	20 800*	42.8	65.3	21 400	46.7	67.0	20 600	52.7	68.9	19 400							36.0
38.0	30.0	58.5	16 200*	33.5	60.5	19 000*	38.3	63.0	19 900	42.6	64.9	19 200	48.9	67.2	18 000	54.5	68.7	16 800				38.0
40.0	23.4	54.4	15 100*	27.8	57.0	17 600*	33.3	60.1	18 600	38.0	62.5	17 900	44.9	65.3	16 800	50.9	67.1	15 700				40.0
42.0	14.2	48.3	14 200*	20.6	52.5	16 400*	27.5	56.6	17 400	33.0	59.6	16 800	40.6	63.1	15 700	47.0	65.3	14 700	48.8	64.9	12 800	42.0
44.0				8.6	44.4	13 900*	20.1	52.0	16 300	27.1	56.1	15 700	35.9	60.5	14 700	42.8	63.3	13 800	44.8	63.0	12 000	44.0
46.0										19.6	51.3	14 700	30.5	57.4	13 800	38.3	60.9	12 900	44.8	63.0	12 000	46.0
48.0													24.0	53.4	13 000	33.3	58.1	12 100	40.5	60.8	11 300	48.0
50.0													15.2	47.6	12 200	27.5	54.6	11 400	35.7	58.2	10 600	50.0
52.0																20.2	49.9	10 800	30.3	55.0	10 000	52.0
54.0																			23.9	51.0	9 400	54.0
56.0																			14.9	45.1	8 800	56.0

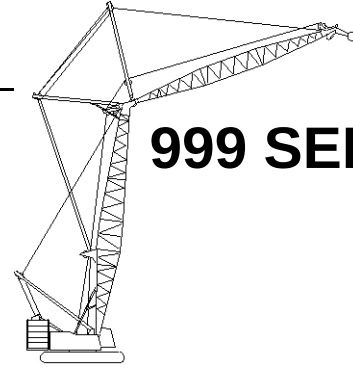


Liftcrane Luffing Jib Capacities

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**

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



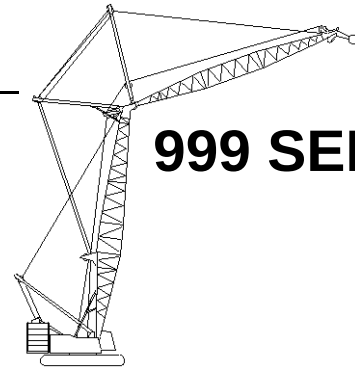
36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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	33 000*													24.0
26.0	61.0	78.8	26 800*	62.8	79.4	29 000*	65.5	80.1	30 900*													26.0
28.0	58.1	77.6	24 500*	59.9	78.3	27 200*	62.7	79.1	29 000	65.3	79.8	28 300										28.0
30.0	55.0	76.3	22 500*	57.0	77.0	25 600*	59.8	78.0	26 800	62.5	78.8	25 800										30.0
32.0	51.9	74.8	20 500*	53.9	75.6	24 200*	56.8	76.8	24 600	59.6	77.6	23 700										32.0
34.0	48.6	73.1	18 800*	50.7	74.1	22 500*	53.8	75.4	22 800	56.7	76.4	21 900	61.2	77.5	20 600							34.0
36.0	45.2	71.2	17 300*	47.4	72.3	20 600*	50.6	73.8	21 100	53.6	75.0	20 300	58.3	76.3	19 000							36.0
38.0	41.5	69.0	15 900*	43.9	70.3	18 900*	47.2	72.0	19 600	50.4	73.4	18 900	55.3	75.0	17 700							38.0
40.0	37.5	66.5	14 700*	40.1	68.1	17 500*	43.7	70.0	18 300	47.0	71.6	17 600	52.2	73.5	16 500	56.9	74.7	15 400				40.0
42.0	33.1	63.7	13 600*	36.0	65.4	16 200*	39.9	67.7	17 200	43.5	69.6	16 500	48.9	71.8	15 400	53.8	73.3	14 400				42.0
44.0	28.1	60.2	12 800*	31.4	62.4	14 900*	35.7	65.1	16 100	39.7	67.3	15 500	45.5	70.0	14 400	50.6	71.7	13 400	52.1	71.2	11 700	44.0
46.0	22.1	55.8	12 100*	26.1	58.7	13 900*	31.1	62.0	15 000*	35.5	64.6	14 500	41.8	67.8	13 600	47.3	69.9	12 600	48.8	69.5	10 900	46.0
48.0	13.7	49.5	11 400*	19.5	53.8	13 100*	25.8	58.2	14 000*	30.9	61.5	13 700	37.8	65.4	12 800	43.7	67.9	11 800	45.4	67.6	10 300	48.0
50.0				8.8	45.5	11 100*	19.1	53.3	13 000*	25.5	57.7	12 900	33.5	62.5	12 000	39.9	65.7	11 100	41.7	65.5	9 700	50.0
52.0										18.6	52.6	12 100	28.6	59.1	11 300	35.8	63.0	10 500	41.7	65.5	9 700	52.0
54.0													22.6	54.9	10 700	31.2	60.0	9 900	37.7	63.0	9 100	54.0
56.0													14.6	48.8	10 100	25.8	56.2	9 300	33.4	60.2	8 600	56.0
58.0																19.1	51.2	8 800	28.4	56.8	8 100	58.0
60.0																			22.5	52.5	7 600	60.0
62.0																			14.3	46.3	7 200	62.0

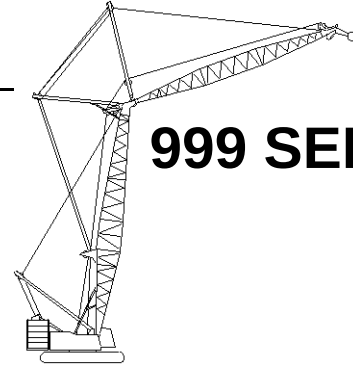


Liftcrane Luffing Jib Capacities

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**

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



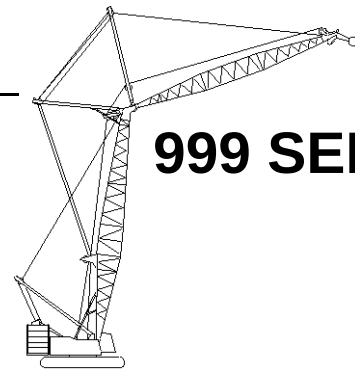
36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	30 000*													26.0
28.0	60.3	81.2	23 900*	62.0	81.8	26 500*	64.5	82.6	28 300*	67.0	83.1	28 000										28.0
30.0	57.5	79.9	22 000*	59.3	80.7	25 000*	61.9	81.5	26 500	64.4	82.2	25 600										30.0
32.0	54.7	78.6	20 200*	56.5	79.4	23 600*	59.2	80.4	24 400	61.7	81.1	23 500										32.0
34.0	51.7	77.1	18 600*	53.6	78.0	22 200*	56.4	79.1	22 500	59.0	80.0	21 700										34.0
36.0	48.7	75.4	17 100*	50.6	76.4	20 500*	53.5	77.7	20 900	56.2	78.7	20 100	60.5	79.9	18 800							36.0
38.0	45.4	73.5	15 800*	47.5	74.6	18 800*	50.5	76.1	19 400	53.3	77.3	18 700	57.8	78.7	17 400							38.0
40.0	42.0	71.3	14 600*	44.2	72.6	17 300*	47.3	74.3	18 100	50.3	75.7	17 400	54.9	77.3	16 300							40.0
42.0	38.3	68.9	13 500*	40.7	70.4	16 100*	44.0	72.3	17 000	47.2	73.9	16 300	52.0	75.8	15 200	56.4	77.0	14 100				42.0
44.0	34.3	66.2	12 600*	36.9	67.9	14 900*	40.5	70.1	15 900	43.8	71.9	15 200	48.9	74.1	14 200	53.5	75.6	13 200				44.0
46.0	29.8	62.9	11 800*	32.7	65.0	13 900*	36.7	67.5	14 900*	40.3	69.6	14 300	45.7	72.3	13 400	50.5	74.0	12 400				46.0
48.0	24.6	58.9	11 100*	28.0	61.5	12 900*	32.5	64.6	13 800*	36.5	67.1	13 500	42.3	70.2	12 500	47.4	72.2	11 600	51.9	73.5	10 700	48.0
50.0	18.0	53.7	10 700*	22.4	57.1	12 000*	27.8	61.1	12 900*	32.3	64.1	12 700	38.6	67.8	11 800	44.1	70.2	10 900	48.8	71.8	10 000	50.0
52.0				14.8	51.0	11 100*	22.1	56.7	12 000*	27.5	60.5	12 000	34.6	65.0	11 100	40.5	68.0	10 200	45.6	69.9	9 400	52.0
54.0							14.4	50.4	11 100*	21.7	56.1	11 300	30.2	61.8	10 500	36.7	65.5	9 700	42.2	67.8	8 800	54.0
56.0										13.8	49.7	10 600	25.1	57.9	9 900	32.5	62.5	9 100	38.5	65.4	8 300	56.0
58.0													18.6	52.8	9 300	27.8	59.0	8 600	34.5	62.7	7 900	58.0
60.0																22.1	54.6	8 100	30.1	59.4	7 400	60.0
62.0																14.5	48.4	7 600	24.9	55.5	7 000	62.0
64.0																			18.4	50.4	6 600	64.0

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**

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



999 SERIES 3

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

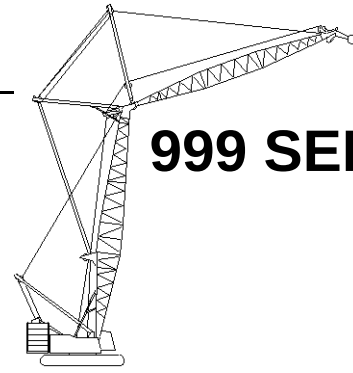


Liftcrane Luffing Jib Capacities

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**

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



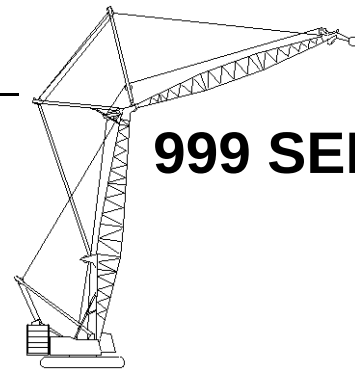
36.6m (120 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

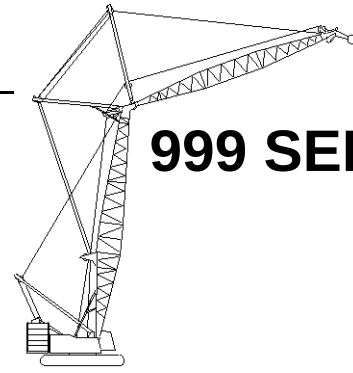


Liftcrane Luffing Jib Capacities

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**

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



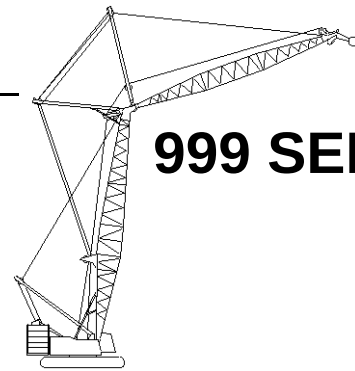
36.6m (120 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

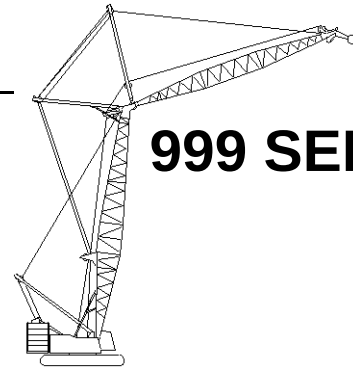


Liftcrane Luffing Jib Capacities

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**

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



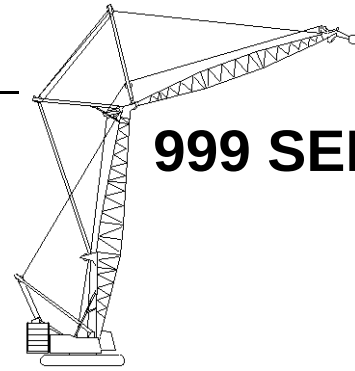
36.6m (120 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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	17 400										38.0
40.0	58.9	98.9	12 300*	60.1	99.5	14 500*	61.9	100.4	16 100*	63.7	101.0	16 200										40.0
42.0	57.0	97.6	11 600*	58.2	98.3	13 700*	60.1	99.3	15 700	61.8	100.0	15 100										42.0
44.0	55.0	96.2	10 900*	56.3	97.0	13 000*	58.1	98.0	14 800	59.9	98.9	14 100										44.0
46.0	53.0	94.8	10 300*	54.3	95.6	12 300*	56.2	96.7	13 600*	58.0	97.7	13 100	61.0	98.8	12 000							46.0
48.0	50.9	93.2	9 700*	52.2	94.1	11 600*	54.2	95.3	12 500*	56.1	96.3	12 300	59.1	97.6	11 300							48.0
50.0	48.8	91.5	9 200*	50.1	92.5	10 700*	52.1	93.8	11 600*	54.1	94.9	11 500	57.2	96.3	10 500							50.0
52.0	46.5	89.6	8 700*	48.0	90.7	9 900*	50.0	92.2	10 700*	52.0	93.4	10 800	55.2	95.0	9 900							52.0
54.0	44.2	87.6	8 200*	45.7	88.8	9 200*	47.8	90.4	9 900*	49.9	91.8	10 200	53.2	93.5	9 200	56.2	94.7	8 300				54.0
56.0	41.8	85.5	7 700*	43.4	86.8	8 600*	45.6	88.5	9 200*	47.7	90.0	9 600	51.1	91.9	8 700	54.2	93.3	7 800				56.0
58.0	39.3	83.1	7 400*	40.9	84.5	7 900*	43.2	86.4	8 500*	45.5	88.1	9 000	48.9	90.2	8 100	52.2	91.7	7 300				58.0
60.0	36.6	80.5	7 000*	38.3	82.1	7 300*	40.8	84.2	7 900*	43.1	86.0	8 500	46.7	88.4	7 700	50.0	90.1	6 900				60.0
62.0	33.7	77.6	6 500*	35.6	79.4	6 800*	38.2	81.7	7 300*	40.6	83.8	7 900*	44.4	86.4	7 200	47.9	88.3	6 400	51.0	89.6	5 700	62.0
64.0	30.6	74.4	6 000*	32.6	76.4	6 300*	35.4	79.0	6 800*	38.0	81.3	7 300*	42.0	84.3	6 800	45.6	86.4	6 000	48.9	87.9	5 300	64.0
66.0	27.2	70.7	5 600*	29.4	73.0	5 800*	32.5	76.0	6 300*	35.3	78.6	6 700*	39.5	81.9	6 400	43.3	84.4	5 700	46.7	86.1	4 900	66.0
68.0	23.4	66.4	5 200*	25.9	69.2	5 400*	29.3	72.7	5 800*	32.3	75.5	6 300*	36.8	79.3	6 000	40.8	82.1	5 300	44.4	84.1	4 600	68.0
70.0	18.7	61.2	4 800*	21.8	64.6	5 000*	25.7	68.8	5 400*	29.1	72.1	5 800*	34.0	76.5	5 600	38.2	79.7	5 000	42.0	81.9	4 300	70.0
72.0	12.6	53.9	4 000*	16.8	58.8	4 600*	21.6	64.1	5 000*	25.5	68.2	5 400*	30.9	73.3	5 300	35.5	77.0	4 700	39.4	79.6	4 000	72.0
74.0				9.3	49.9	3 800*	16.5	58.2	4 600*	21.3	63.5	4 900*	27.5	69.7	5 000	32.5	74.0	4 400	36.8	77.0	3 700	74.0
76.0							8.8	49.0	3 900*	16.1	57.5	4 500*	23.7	65.5	4 700	29.3	70.6	4 100	33.9	74.1	3 500	76.0
78.0													19.2	60.3	4 400	25.7	66.7	3 800	30.8	70.9	3 200	78.0
80.0													13.2	53.2	4 100	21.6	62.1	3 500	27.4	67.3	2 900	80.0
82.0																16.5	56.2	3 300	23.6	63.1	2 700	82.0
84.0																			19.0	57.8	2 500	84.0
86.0																			13.0	50.7	2 300	86.0

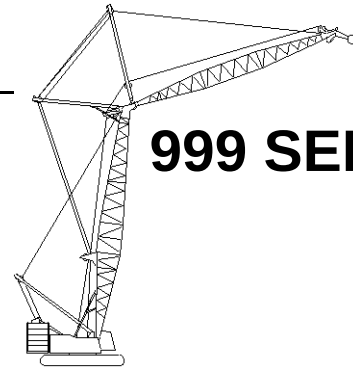


Liftcrane Luffing Jib Capacities

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**

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



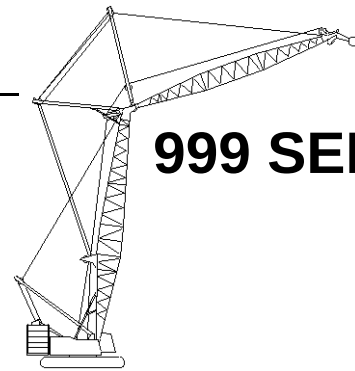
36.6m (120 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	15 700*										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	15 600*										40.0
42.0	58.5	101.2	11 200*	59.7	101.9	13 200*	61.4	102.8	14 300*	63.1	103.4	14 900										42.0
44.0	56.7	99.9	10 600*	57.9	100.7	12 500*	59.6	101.6	14 200*	61.3	102.4	13 800										44.0
46.0	54.8	98.5	10 000*	56.0	99.3	11 900*	57.8	100.4	13 400*	59.5	101.2	12 900	62.3	102.2	11 800							46.0
48.0	52.8	97.1	9 500*	54.1	97.9	11 300*	55.9	99.1	12 300*	57.7	100.0	12 100	60.5	101.1	11 000							48.0
50.0	50.8	95.5	9 000*	52.1	96.4	10 500*	54.0	97.6	11 400*	55.8	98.7	11 300	58.7	99.9	10 300							50.0
52.0	48.8	93.8	8 500*	50.1	94.8	9 700*	52.0	96.1	10 500*	53.9	97.2	10 600	56.8	98.7	9 600							52.0
54.0	46.6	91.9	8 100*	48.0	93.0	9 000*	50.0	94.5	9 700*	51.9	95.7	9 900	54.9	97.3	9 100							54.0
56.0	44.4	89.9	7 600*	45.8	91.1	8 300*	47.9	92.7	8 900*	49.9	94.1	9 400	53.0	95.8	8 500	55.9	97.0	7 600				56.0
58.0	42.1	87.8	7 200*	43.6	89.1	7 700*	45.7	90.8	8 300*	47.8	92.3	8 800	51.0	94.2	8 000	54.0	95.6	7 100				58.0
60.0	39.7	85.5	6 800*	41.3	86.9	7 100*	43.5	88.8	7 700*	45.6	90.4	8 300	48.9	92.5	7 400	52.0	94.0	6 600				60.0
62.0	37.2	82.9	6 200*	38.8	84.5	6 600*	41.2	86.5	7 100*	43.4	88.3	7 600*	46.8	90.7	7 000	50.0	92.4	6 200				62.0
64.0	34.5	80.1	5 800*	36.2	81.8	6 100*	38.7	84.1	6 500*	41.0	86.1	7 000*	44.6	88.7	6 600	47.9	90.6	5 800	50.9	91.9	5 100	64.0
66.0	31.6	77.0	5 300*	33.5	78.9	5 600*	36.1	81.5	6 100*	38.6	83.7	6 500*	42.3	86.6	6 200	45.8	88.7	5 400	48.9	90.2	4 700	66.0
68.0	28.4	73.5	4 900*	30.5	75.7	5 200*	33.3	78.6	5 600*	36.0	81.0	6 000*	39.9	84.3	5 800	43.5	86.7	5 100	46.8	88.4	4 400	68.0
70.0	24.9	69.5	4 500*	27.2	72.0	4 800*	30.3	75.3	5 100*	33.2	78.1	5 600*	37.4	81.8	5 500	41.2	84.5	4 700	44.6	86.4	4 100	70.0
72.0	20.8	64.7	4 100*	23.5	67.7	4 400*	27.0	71.6	4 700*	30.2	74.8	5 100*	34.7	79.0	5 100	38.7	82.1	4 400	42.3	84.3	3 800	72.0
74.0	15.7	58.5	3 700*	19.1	62.5	4 000*	23.3	67.3	4 300*	26.8	71.1	4 700*	31.8	75.9	4 800	36.1	79.4	4 100	39.9	81.9	3 500	74.0
76.0	7.9	48.7	2 700*	13.4	55.5	3 500*	18.9	62.0	4 000*	23.1	66.7	4 300*	28.7	72.4	4 500	33.4	76.5	3 800	37.3	79.4	3 200	76.0
78.0							13.1	54.9	3 600*	18.6	61.4	3 900*	25.2	68.5	4 200	30.4	73.2	3 600	34.7	76.6	3 000	78.0
80.0										12.7	54.1	3 600*	21.2	63.7	3 900	27.1	69.6	3 300	31.8	73.5	2 800	80.0
82.0													16.2	57.7	3 700	23.3	65.2	3 100	28.6	70.0	2 500	82.0
84.0																18.9	60.0	2 800	25.1	66.0	2 300	84.0
86.0																13.2	52.9	2 600	21.1	61.3	2 100	86.0
88.0																			16.1	55.2	1 900	88.0

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**

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



999 SERIES 3

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	51 500*b													18.0
20.0	40.8	55.7	41 200*	46.3	57.1	43 300*	53.6	58.7	46 300	60.3	59.7	44 700b										20.0
22.0	31.4	52.9	38 100*	38.1	54.8	40 100*	46.5	56.9	41 000	53.8	58.4	39 700b										22.0
24.0	18.1	48.3	31 700*	28.0	51.6	37 400*	38.4	54.7	36 700	46.7	56.6	35 500	58.3	58.5	33 600b							24.0
26.0							28.3	51.5	33 100	38.6	54.4	32 100	51.6	57.1	30 400							26.0
28.0										28.6	51.3	29 200	44.2	55.2	27 700	55.9	56.9	26 100b				28.0
30.0													35.7	52.7	25 300	49.1	55.3	23 900				30.0
32.0													24.6	49.1	23 300	41.3	53.3	22 000				32.0
34.0																32.1	50.5	20 300	46.0	53.2	19 100	34.0
36.0																19.2	46.1	18 800	37.8	50.9	17 700	36.0
38.0																			27.5	47.6	16 500	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	50 200*b													18.0
20.0	48.6	60.1	40 000*	52.9	61.2	42 300*	58.8	62.4	45 800	64.3	63.2	44 500b										20.0
22.0	41.9	58.1	36 700*	46.6	59.4	39 100*	53.1	61.0	40 800	58.9	62.1	39 400										22.0
24.0	34.1	55.4	32 600*	39.6	57.2	36 300*	46.8	59.2	36 600	53.2	60.7	35 300										24.0
26.0	24.2	51.7	29 700*	31.4	54.3	34 000	39.9	57.1	33 000	47.0	59.0	31 900	57.1	60.9	30 100							26.0
28.0				20.1	50.0	30 100	31.6	54.2	30 000	40.0	56.8	29 100	51.3	59.4	27 400							28.0
30.0							20.6	49.9	27 500	31.9	53.9	26 600	44.9	57.5	25 100							30.0
32.0										20.9	49.7	24 500	37.6	55.1	23 100	49.0	57.6	21 700				32.0
34.0													28.8	52.0	21 400	42.4	55.6	20 100				34.0
36.0													15.9	46.9	19 800	34.7	53.0	18 600	46.4	55.5	17 500	36.0
38.0																24.9	49.4	17 300	39.3	53.3	16 200	38.0
40.0																			31.0	50.3	15 100	40.0
42.0																			19.6	45.9	14 100	42.0

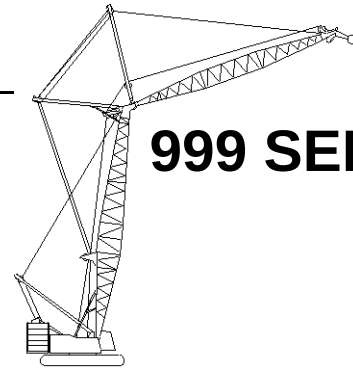


Liftcrane Luffing Jib Capacities

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**

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



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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	69.2	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	48 900*b													18.0
20.0	54.1	64.0	39 200*	57.6	64.9	41 400*	62.6	65.9	44 900	67.4	66.6	44 400b										20.0
22.0	48.7	62.4	35 900*	52.5	63.5	38 300*	57.8	64.7	40 800	62.7	65.6	39 300										22.0
24.0	42.8	60.4	31 600*	46.9	61.7	35 600*	52.6	63.3	36 400	57.9	64.4	35 200										24.0
26.0	36.1	57.9	28 300*	40.8	59.6	33 200*	47.1	61.6	32 900	52.7	63.0	31 800	61.2	64.4	30 000							26.0
28.0	28.0	54.6	25 800*	33.7	56.9	30 600*	41.0	59.4	30 000	47.2	61.3	28 900	56.3	63.2	27 300							28.0
30.0	16.5	49.5	23 600*	25.0	53.2	27 700*	34.0	56.7	27 400	41.1	59.1	26 500	51.0	61.7	25 000							30.0
32.0				10.7	46.7	22 800*	25.3	53.1	25 300	34.2	56.5	24 400	45.4	59.8	23 000	54.4	61.6	21 600				32.0
34.0										25.5	52.9	22 600	39.0	57.5	21 200	49.0	59.9	19 900				34.0
36.0													31.7	54.6	19 700	43.2	58.0	18 500				36.0
38.0													22.1	50.6	18 300	36.5	55.5	17 200	46.7	57.8	16 100	38.0
40.0																28.6	52.3	16 000	40.5	55.6	15 000	40.0
42.0																17.5	47.4	15 000	33.4	52.9	14 000	42.0
44.0																			24.6	49.2	13 100	44.0

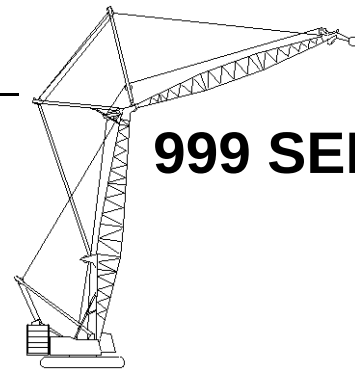
39.6m (130 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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*b																			13.7
14.0	70.8	70.7	48 100*b																			14.0
16.0	66.7	69.9	44 900*	69.5	70.4	47 600*b																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	43 800*													20.0
22.0	53.6	66.4	35 000*	56.8	67.2	37 300*	61.3	68.3	40 200	65.7	69.0	39 100										22.0
24.0	48.7	64.7	31 000*	52.1	65.8	34 700*	56.9	67.1	36 300	61.4	68.0	34 900										24.0
26.0	43.4	62.7	27 700*	47.1	64.0	32 400*	52.3	65.6	32 700	57.0	66.7	31 600										26.0
28.0	37.5	60.3	24 900*	41.7	61.9	30 200*	47.3	63.9	29 800	52.4	65.3	28 800	60.0	66.8	27 000							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	26 300	55.6	65.5	24 700							30.0
32.0	22.0	53.1	21 100*	28.3	56.1	24 500*	35.8	59.2	25 100	42.0	61.5	24 200	50.8	64.0	22 800							32.0
34.0				18.5	51.3	22 300*	28.5	55.9	23 200	35.9	58.9	22 400	45.7	62.1	21 000	53.9	63.9	19 700				34.0
36.0							18.9	51.2	21 500	28.7	55.7	20 800	40.1	59.9	19 500	49.0	62.2	18 200				36.0
38.0										19.2	51.0	19 300	33.8	57.2	18 200	43.8	60.3	17 000				38.0
40.0													26.0	53.6	16 900	37.9	57.9	15 800	46.9	60.1	14 700	40.0
42.0													14.9	48.0	15 800	31.2	54.9	14 800	41.4	58.0	13 800	42.0
44.0																22.7	50.9	13 800	35.3	55.4	12 900	44.0
46.0																			28.0	52.0	12 100	46.0
48.0																			18.0	47.2	11 300	48.0

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**

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



999 SERIES 3

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	42 600*													20.0
22.0	57.4	70.1	34 100*	60.2	70.8	36 500*	64.2	71.7	39 500*													22.0
24.0	53.2	68.7	30 400*	56.1	69.6	34 000*	60.3	70.7	36 200	64.3	71.4	34 900										24.0
26.0	48.7	67.0	27 300*	51.8	68.1	31 700*	56.2	69.4	32 700	60.4	70.3	31 500										26.0
28.0	44.0	65.1	24 500*	47.3	66.3	29 600*	52.0	67.9	29 700	56.3	69.1	28 700										28.0
30.0	38.7	62.7	22 200*	42.4	64.3	26 800*	47.4	66.2	27 300	52.1	67.6	26 300	59.1	69.1	24 700							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	24 200	55.0	67.8	22 700							32.0
34.0	25.6	56.2	18 700*	30.7	58.7	22 000*	37.1	61.7	23 200	42.7	63.8	22 400	50.7	66.3	21 000							34.0
36.0	15.5	50.7	17 800*	22.9	54.7	20 300*	30.9	58.6	21 500	37.3	61.4	20 800	46.0	64.4	19 400	53.5	66.2	18 200				36.0
38.0				10.6	47.7	17 800*	23.2	54.6	20 100	31.1	58.4	19 300	41.0	62.3	18 100	49.0	64.5	16 900				38.0
40.0										23.4	54.4	18 000	35.4	59.7	16 900	44.3	62.6	15 800	51.7	64.2	14 600	40.0
42.0													28.8	56.4	15 800	39.1	60.3	14 700	47.1	62.4	13 700	42.0
44.0													20.4	51.9	14 800	33.2	57.5	13 800	42.2	60.3	12 800	44.0
46.0																26.1	53.9	13 000	36.7	57.8	12 000	46.0
48.0																16.4	48.6	12 200	30.4	54.7	11 300	48.0
50.0																			22.6	50.6	10 600	50.0

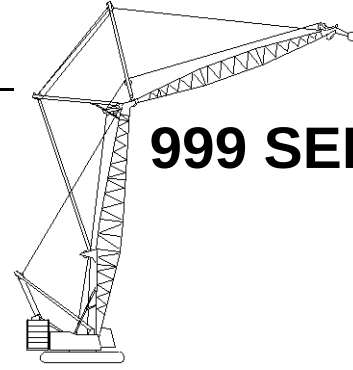


Liftcrane Luffing Jib Capacities

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

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



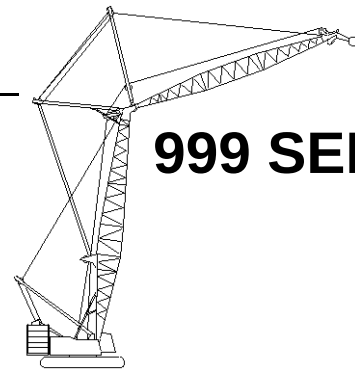
39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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	41 400*													20.0
22.0	60.4	73.7	33 000*	62.9	74.3	35 600*	66.5	75.1	38 400*													22.0
24.0	56.7	72.4	29 700*	59.3	73.2	33 100*	63.0	74.1	35 700													24.0
26.0	52.8	71.0	26 800*	55.5	71.9	31 000*	59.4	73.0	32 500	63.1	73.8	31 300										26.0
28.0	48.8	69.3	24 200*	51.6	70.4	29 000*	55.6	71.7	29 600	59.5	72.7	28 400										28.0
30.0	44.4	67.4	21 800*	47.4	68.6	26 600*	51.7	70.2	27 100	55.7	71.4	26 100										30.0
32.0	39.7	65.1	19 900*	43.0	66.6	24 000*	47.6	68.5	24 900	51.8	69.9	24 000	58.3	71.5	22 500							32.0
34.0	34.4	62.4	18 200*	38.1	64.2	21 700*	43.1	66.4	23 000	47.7	68.2	22 200	54.5	70.1	20 700							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	20 600	50.5	68.6	19 200							36.0
38.0	20.5	54.5	15 900*	26.1	57.7	18 300*	32.8	61.2	19 900	38.4	63.8	19 200	46.3	66.7	17 900	53.1	68.5	16 600				38.0
40.0				17.4	52.5	17 000*	26.3	57.6	18 600	32.9	60.9	17 900	41.7	64.6	16 700	49.0	66.8	15 500				40.0
42.0							17.7	52.5	17 400	26.5	57.3	16 700	36.7	62.1	15 600	44.7	64.9	14 500				42.0
44.0										17.9	52.3	15 700	31.0	59.1	14 600	40.0	62.7	13 600	47.3	64.7	12 600	44.0
46.0													24.1	55.1	13 700	34.7	60.0	12 800	42.8	62.7	11 800	46.0
48.0													14.2	49.2	12 900	28.7	56.7	12 000	37.9	60.3	11 100	48.0
50.0																21.0	52.2	11 300	32.4	57.3	10 400	50.0
52.0																			25.8	53.7	9 800	52.0
54.0																			16.9	48.4	9 200	54.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	80.4	37 800*b																			13.7
14.0	75.3	80.3	37 600*b																			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	37 500*													22.0
24.0	59.6	76.0	29 000*	61.9	76.7	32 500*	65.2	77.5	35 000*													24.0
26.0	56.1	74.7	26 300*	58.5	75.6	30 400*	62.0	76.5	32 300	65.3	77.2	31 100										26.0
28.0	52.5	73.3	23 800*	55.0	74.2	28 500*	58.6	75.4	29 400	62.0	76.2	28 300										28.0
30.0	48.8	71.6	21 600*	51.4	72.7	26 400*	55.1	74.0	26 900	58.7	75.0	25 900										30.0
32.0	44.8	69.7	19 600*	47.6	70.9	23 900*	51.5	72.5	24 800	55.2	73.7	23 800	61.0	75.0	22 300							32.0
34.0	40.5	67.5	17 900*	43.5	68.9	21 700*	47.7	70.8	22 900	51.6	72.2	22 000	57.6	73.8	20 500							34.0
36.0	35.7	64.9	16 500*	39.0	66.6	19 700*	43.6	68.8	21 200	47.8	70.5	20 400	54.1	72.4	19 000							36.0
38.0	30.3	61.7	15 300*	34.1	63.9	18 100*	39.2	66.5	19 800	43.7	68.5	19 000	50.4	70.9	17 700							38.0
40.0	23.8	57.7	14 400*	28.4	60.5	16 700*	34.3	63.7	18 500	39.3	66.2	17 700	46.5	69.1	16 500	52.8	70.8	15 300				40.0
42.0	14.8	51.8	13 800*	21.4	56.1	15 600*	28.6	60.4	17 300	34.4	63.4	16 600	42.3	67.0	15 400	49.0	69.1	14 300				42.0
44.0				10.5	48.8	14 000*	21.7	56.0	16 200	28.8	60.1	15 600	37.8	64.5	14 500	45.0	67.2	13 400				44.0
46.0										21.9	55.8	14 600	32.7	61.7	13 600	40.7	65.0	12 600	47.4	67.0	11 600	46.0
48.0													26.8	58.1	12 800	36.0	62.5	11 800	43.3	65.0	10 900	48.0
50.0													19.2	53.2	12 000	30.7	59.4	11 100	38.8	62.7	10 200	50.0
52.0																24.3	55.4	10 500	33.9	59.9	9 600	52.0
54.0																15.5	49.7	9 900	28.2	56.5	9 100	54.0
56.0																			21.1	52.0	8 500	56.0

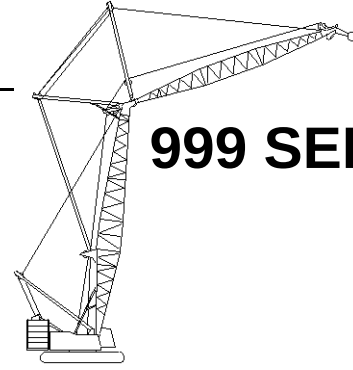


Liftcrane Luffing Jib Capacities

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

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



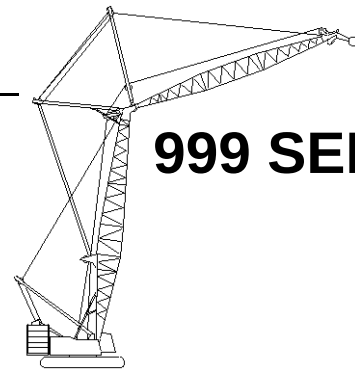
39.6m (130 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	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	36 300*													22.0
24.0	62.0	79.5	28 300*	64.0	80.2	31 600*	67.1	80.9	34 000*													24.0
26.0	58.9	78.4	25 700*	61.0	79.1	29 600*	64.1	80.0	31 800	67.2	80.6	30 900										26.0
28.0	55.6	77.1	23 500*	57.9	77.9	27 800*	61.1	78.9	29 200	64.2	79.6	28 000										28.0
30.0	52.3	75.6	21 400*	54.6	76.5	26 000*	58.0	77.7	26 700	61.2	78.6	25 600										30.0
32.0	48.8	73.9	19 500*	51.2	75.0	23 700*	54.7	76.3	24 500	58.0	77.4	23 600										32.0
34.0	45.1	72.0	17 800*	47.7	73.2	21 600*	51.3	74.8	22 700	54.8	76.0	21 800	60.2	77.4	20 300							34.0
36.0	41.1	69.8	16 300*	43.9	71.3	19 800*	47.8	73.1	21 000	51.4	74.5	20 200	57.0	76.2	18 800							36.0
38.0	36.8	67.3	15 100*	39.8	69.0	18 100*	44.0	71.1	19 600	47.9	72.8	18 800	53.7	74.8	17 500							38.0
40.0	32.0	64.3	14 000*	35.4	66.3	16 600*	39.9	68.8	18 300	44.1	70.8	17 500	50.3	73.2	16 300	55.9	74.6	15 100				40.0
42.0	26.4	60.7	13 100*	30.3	63.2	15 400*	35.5	66.2	17 100	40.0	68.5	16 400	46.7	71.4	15 200	52.5	73.1	14 000				42.0
44.0	19.3	55.8	12 500*	24.4	59.2	14 300*	30.5	63.0	16 000	35.6	65.9	15 400	42.8	69.3	14 200	49.0	71.4	13 100				44.0
46.0				16.5	53.7	13 500*	24.6	59.1	15 100	30.6	62.8	14 400	38.7	66.9	13 400	45.3	69.6	12 300	51.1	71.1	11 300	46.0
48.0							16.8	53.7	14 000	24.7	58.9	13 600	34.1	64.2	12 600	41.4	67.4	11 600	47.5	69.3	10 600	48.0
50.0										17.0	53.5	12 800	28.9	60.8	11 800	37.1	64.9	10 900	43.7	67.3	10 000	50.0
52.0													22.6	56.6	11 100	32.3	62.0	10 200	39.6	65.0	9 400	52.0
54.0													13.7	50.3	10 500	26.8	58.3	9 700	35.2	62.4	8 800	54.0
56.0																19.8	53.6	9 100	30.1	59.2	8 300	56.0
58.0																			24.1	55.2	7 800	58.0
60.0																			16.1	49.6	7 400	60.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	33 100*													24.0
26.0	61.1	81.9	25 100*	63.1	82.6	28 900*	66.0	83.3	31 100*													26.0
28.0	58.2	80.7	23 000*	60.3	81.5	27 200*	63.2	82.4	29 100	66.0	83.0	28 000										28.0
30.0	55.2	79.4	21 000*	57.3	80.2	25 500*	60.3	81.3	26 600	63.3	82.0	25 600										30.0
32.0	52.1	77.9	19 300*	54.3	78.8	23 400*	57.4	80.0	24 500	60.4	80.9	23 500										32.0
34.0	48.8	76.2	17 700*	51.1	77.3	21 400*	54.4	78.7	22 600	57.5	79.7	21 700	62.4	80.9	20 200							34.0
36.0	45.4	74.3	16 200*	47.8	75.5	19 600*	51.2	77.1	21 000	54.4	78.3	20 100	59.5	79.8	18 700							36.0
38.0	41.7	72.2	14 900*	44.2	73.6	18 000*	47.9	75.4	19 500	51.3	76.8	18 700	56.5	78.5	17 400							38.0
40.0	37.7	69.7	13 800*	40.5	71.4	16 600*	44.4	73.4	18 200	47.9	75.1	17 500	53.4	77.1	16 200							40.0
42.0	33.3	66.9	12 800*	36.4	68.8	15 300*	40.6	71.2	17 000	44.4	73.1	16 300	50.2	75.5	15 100	55.4	76.9	14 000				42.0
44.0	28.4	63.5	12 000*	31.9	65.8	14 200*	36.5	68.6	16 000	40.7	70.9	15 300	46.8	73.7	14 200	52.3	75.4	13 100				44.0
46.0	22.4	59.2	11 400*	26.7	62.1	13 200*	32.0	65.6	15 000	36.6	68.4	14 400	43.3	71.6	13 300	49.0	73.7	12 300				46.0
48.0	14.3	52.9	11 000*	20.3	57.4	12 500*	26.9	62.0	14 100	32.1	65.4	13 500	39.4	69.3	12 500	45.6	71.9	11 500	51.0	73.4	10 500	48.0
50.0				10.5	49.9	11 200*	20.5	57.4	13 300	27.0	61.8	12 700	35.3	66.7	11 800	41.9	69.7	10 800	47.6	71.6	9 900	50.0
52.0										20.7	57.1	12 000	30.6	63.5	11 100	38.0	67.3	10 200	44.1	69.6	9 300	52.0
54.0													25.1	59.6	10 500	33.6	64.5	9 600	40.3	67.4	8 800	54.0
56.0													18.2	54.5	9 900	28.7	61.1	9 000	36.2	64.8	8 200	56.0
58.0																22.9	56.9	8 500	31.7	61.8	7 800	58.0
60.0																14.9	50.9	8 100	26.5	58.1	7 300	60.0
62.0																			20.0	53.3	6 900	62.0
64.0																			9.9	45.6	6 500	64.0

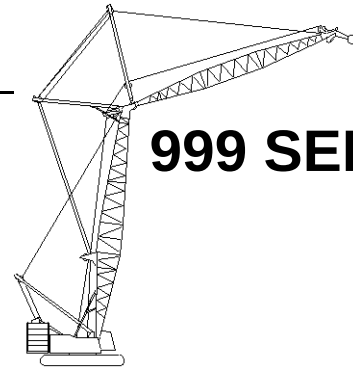


Liftcrane Luffing Jib Capacities

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**

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



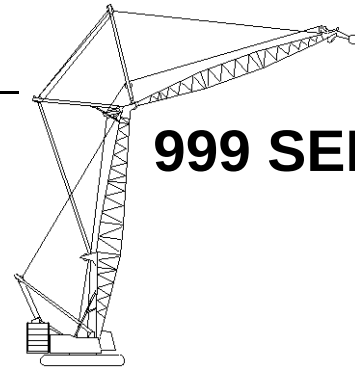
39.6m (130 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	30 100*													26.0
28.0	60.4	84.3	22 400*	62.3	85.0	26 500*	65.0	85.8	28 400*													28.0
30.0	57.7	83.1	20 600*	59.6	83.8	24 800*	62.4	84.8	26 500	65.1	85.4	25 300										30.0
32.0	54.8	81.7	18 900*	56.8	82.6	23 000*	59.7	83.6	24 300	62.4	84.4	23 300										32.0
34.0	51.9	80.2	17 400*	53.9	81.2	21 100*	56.9	82.4	22 400	59.7	83.3	21 500										34.0
36.0	48.8	78.5	16 100*	51.0	79.6	19 500*	54.0	81.0	20 700	57.0	82.1	19 900	61.6	83.3	18 500							36.0
38.0	45.6	76.6	14 800*	47.8	77.8	17 900*	51.0	79.4	19 300	54.1	80.7	18 500	58.9	82.1	17 200							38.0
40.0	42.2	74.5	13 700*	44.6	75.9	16 500*	47.9	77.7	18 000	51.1	79.1	17 200	56.1	80.8	16 000							40.0
42.0	38.5	72.1	12 700*	41.1	73.7	15 300*	44.7	75.7	16 800	48.0	77.4	16 100	53.2	79.4	14 900							42.0
44.0	34.5	69.4	11 800*	37.3	71.2	14 100*	41.2	73.5	15 800	44.7	75.4	15 100	50.1	77.8	14 000	55.0	79.2	12 800				44.0
46.0	30.1	66.1	11 100*	33.2	68.3	13 100*	37.4	71.1	14 800	41.3	73.3	14 200	47.0	76.0	13 100	52.1	77.7	12 000				46.0
48.0	24.9	62.2	10 500*	28.5	64.9	12 300*	33.3	68.2	14 000	37.5	70.8	13 300	43.7	74.0	12 300	49.0	76.0	11 200				48.0
50.0	18.4	57.1	10 100*	23.1	60.7	11 600*	28.7	64.8	13 100	33.4	67.9	12 500	40.1	71.7	11 600	45.8	74.2	10 600	50.8	75.7	9 600	50.0
52.0				15.8	54.9	11 000*	23.2	60.6	12 400	28.8	64.5	11 800	36.3	69.1	10 900	42.4	72.1	10 000	47.7	73.9	9 000	52.0
54.0							16.1	54.9	11 400	23.4	60.4	11 200	32.0	66.1	10 300	38.8	69.7	9 400	44.4	72.0	8 500	54.0
56.0										16.3	54.7	10 500	27.2	62.5	9 700	34.8	67.0	8 800	40.9	69.8	8 000	56.0
58.0													21.4	58.0	9 100	30.4	63.8	8 300	37.2	67.2	7 500	58.0
60.0													13.3	51.4	8 600	25.2	59.9	7 800	33.0	64.3	7 100	60.0
62.0																18.9	54.9	7 400	28.3	60.9	6 700	62.0
64.0																8.6	46.4	7 000	22.8	56.6	6 300	64.0
66.0																			15.5	50.7	5 900	66.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	28 200*													26.0
28.0	62.3	87.8	21 700*	64.1	88.4	25 800*	66.6	89.1	27 900*													28.0
30.0	59.8	86.6	20 100*	61.6	87.3	24 100*	64.1	88.2	26 100	66.6	88.8	25 200										30.0
32.0	57.2	85.4	18 600*	59.0	86.2	22 400*	61.6	87.1	24 100	64.2	87.9	23 100										32.0
34.0	54.5	84.0	17 100*	56.4	84.9	20 800*	59.1	86.0	22 300	61.7	86.8	21 300										34.0
36.0	51.7	82.5	15 900*	53.7	83.5	19 200*	56.4	84.7	20 600	59.1	85.7	19 700										36.0
38.0	48.8	80.8	14 700*	50.8	81.9	17 800*	53.7	83.3	19 200	56.5	84.4	18 300	60.9	85.7	16 900							38.0
40.0	45.8	78.9	13 600*	47.9	80.1	16 400*	50.9	81.7	17 900	53.8	83.0	17 100	58.3	84.5	15 800							40.0
42.0	42.6	76.8	12 600*	44.8	78.2	15 200*	48.0	80.0	16 700	51.0	81.4	16 000	55.7	83.1	14 700							42.0
44.0	39.2	74.5	11 700*	41.6	76.1	14 100*	44.9	78.0	15 600	48.1	79.7	14 900	52.9	81.7	13 800							44.0
46.0	35.5	71.8	11 000*	38.1	73.6	13 100*	41.7	75.9	14 700	45.0	77.7	14 000	50.1	80.1	12 900	54.7	81.5	11 800				46.0
48.0	31.5	68.8	10 300*	34.3	70.8	12 200*	38.2	73.5	13 800	41.7	75.6	13 200	47.1	78.3	12 100	51.9	80.0	11 100				48.0
50.0	26.8	65.1	9 700*	30.1	67.6	11 400*	34.4	70.7	13 000	38.3	73.2	12 400	44.0	76.3	11 400	49.0	78.3	10 400				50.0
52.0	21.3	60.5	9 300*	25.3	63.7	10 800*	30.2	67.5	12 300	34.5	70.4	11 700	40.7	74.1	10 700	46.0	76.5	9 800	50.7	78.0	8 800	52.0
54.0	13.8	54.1	8 800*	19.3	58.7	10 200*	25.4	63.6	11 600	30.3	67.2	11 000	37.1	71.5	10 100	42.8	74.4	9 200	47.8	76.2	8 300	54.0
56.0				10.5	51.0	8 900*	19.5	58.7	10 900	25.5	63.4	10 400	33.2	68.6	9 500	39.4	72.1	8 700	44.7	74.3	7 800	56.0
58.0										19.7	58.5	9 800	28.9	65.3	9 000	35.8	69.4	8 100	41.4	72.1	7 300	58.0
60.0													23.8	61.2	8 500	31.7	66.4	7 700	37.9	69.7	6 900	60.0
62.0													17.4	55.7	8 000	27.2	62.8	7 300	34.1	66.9	6 500	62.0
64.0													6.2	45.8	7 500	21.7	58.3	6 800	29.9	63.6	6 100	64.0
66.0																14.4	52.0	6 400	25.1	59.7	5 800	66.0
68.0																			19.0	54.6	5 400	68.0
70.0																			9.9	46.6	5 000	70.0

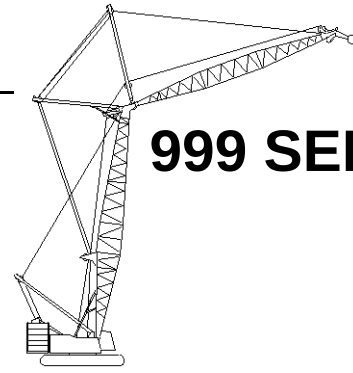


Liftcrane Luffing Jib Capacities

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**

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



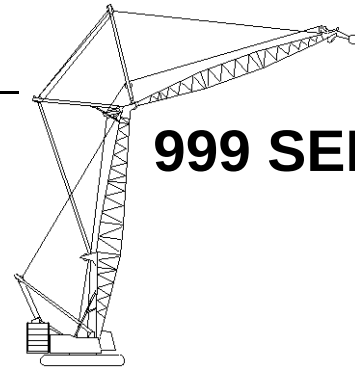
39.6m (130 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

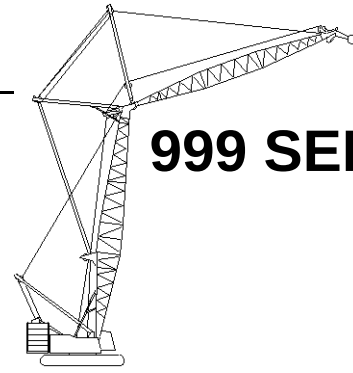


Liftcrane Luffing Jib Capacities

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**

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



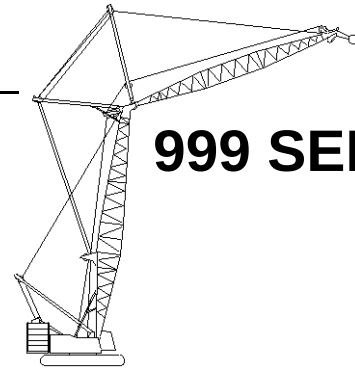
39.6m (130 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

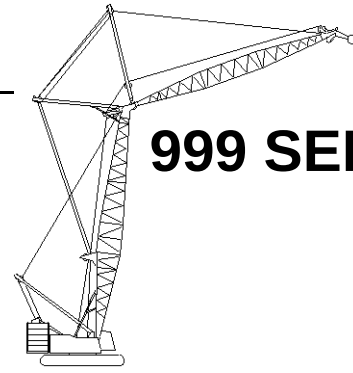


Liftcrane Luffing Jib Capacities

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**

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



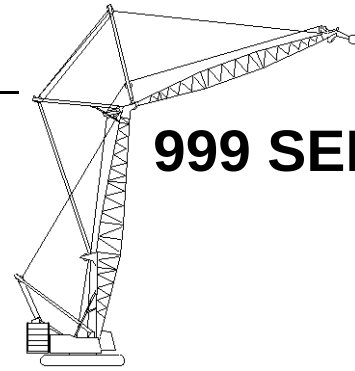
39.6m (130 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.0	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	17 400*										36.0
38.0	59.5	99.6	13 300*	60.8	100.3	15 700*	62.8	101.2	16 300*	64.8	101.9	17 300										38.0
40.0	57.5	98.4	12 500*	58.8	99.1	14 900*	60.9	100.1	16 200*	62.9	100.9	16 100										40.0
42.0	55.4	97.0	11 800*	56.8	97.9	14 100*	58.9	98.9	15 800	60.9	99.8	15 000										42.0
44.0	53.3	95.6	11 000*	54.7	96.5	13 300*	56.9	97.7	14 800	59.0	98.6	14 000										44.0
46.0	51.1	94.0	10 400*	52.6	95.0	12 600*	54.8	96.3	13 800	56.9	97.4	13 100	60.3	98.6	11 900							46.0
48.0	48.9	92.3	9 800*	50.4	93.4	11 800*	52.7	94.8	13 000	54.9	96.0	12 300	58.3	97.4	11 100							48.0
50.0	46.5	90.5	9 200*	48.2	91.7	11 200*	50.5	93.2	12 200	52.7	94.5	11 500	56.3	96.1	10 400							50.0
52.0	44.1	88.5	8 700*	45.8	89.8	10 500*	48.2	91.5	11 500	50.5	92.9	10 800	54.2	94.7	9 800	57.6	95.9	8 700				52.0
54.0	41.6	86.3	8 200*	43.4	87.7	9 900*	45.9	89.6	10 700	48.3	91.2	10 200	52.0	93.2	9 100	55.5	94.5	8 200				54.0
56.0	38.9	83.9	7 800*	40.8	85.5	9 300*	43.4	87.5	10 000*	45.9	89.3	9 500	49.8	91.6	8 600	53.4	93.1	7 700				56.0
58.0	36.1	81.3	7 300*	38.1	83.0	8 600*	40.9	85.3	9 300*	43.5	87.3	9 000	47.5	89.8	8 100	51.2	91.5	7 200				58.0
60.0	33.1	78.3	7 000*	35.2	80.3	8 000*	38.2	82.9	8 600*	40.9	85.0	8 500	45.2	87.9	7 600	49.0	89.8	6 700				60.0
62.0	29.8	75.0	6 600*	32.1	77.2	7 500*	35.3	80.1	8 000*	38.2	82.6	8 000	42.7	85.8	7 100	46.7	88.0	6 300	50.3	89.5	5 500	62.0
64.0	26.1	71.2	6 400*	28.7	73.8	7 000*	32.2	77.1	7 500*	35.4	79.9	7 500	40.1	83.5	6 700	44.3	86.0	5 900	48.1	87.7	5 100	64.0
66.0	21.8	66.6	5 900*	24.8	69.8	6 500*	28.8	73.7	7 000*	32.3	76.8	7 100	37.3	80.9	6 300	41.8	83.9	5 500	45.7	85.8	4 800	66.0
68.0	16.5	60.7	5 200*	20.3	64.9	5 900*	24.9	69.7	6 500*	28.9	73.4	6 700	34.4	78.1	6 000	39.1	81.5	5 200	43.3	83.8	4 400	68.0
70.0	8.3	51.4	3 900*	14.5	58.3	5 000*	20.5	64.8	6 000*	25.0	69.4	6 300	31.2	75.0	5 600	36.3	78.9	4 900	40.7	81.5	4 100	70.0
72.0							14.7	58.3	5 300*	20.6	64.6	6 000	27.7	71.4	5 200	33.3	75.9	4 500	38.0	79.0	3 800	72.0
74.0										14.8	58.2	5 500	23.7	67.2	4 900	30.0	72.7	4 200	35.1	76.3	3 600	74.0
76.0													18.9	62.0	4 700	26.3	68.9	4 000	31.9	73.3	3 300	76.0
78.0													12.5	54.7	4 300	22.1	64.3	3 700	28.5	69.8	3 000	78.0
80.0																16.9	58.6	3 400	24.7	65.7	2 800	80.0
82.0																9.1	49.7	3 200	20.1	60.8	2 600	82.0
84.0																			14.2	54.2	2 400	84.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.7	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	16 900*										38.0
40.0	59.0	102.0	11 500*	60.3	102.7	13 700*	62.3	103.6	15 600*	64.2	104.3	16 000										40.0
42.0	57.1	100.7	10 800*	58.4	101.5	12 900*	60.4	102.5	15 400	62.3	103.3	14 900										42.0
44.0	55.1	99.3	10 200*	56.5	100.2	12 200*	58.5	101.3	14 600	60.4	102.2	13 900										44.0
46.0	53.1	97.9	9 600*	54.5	98.8	11 600*	56.6	100.0	13 700	58.5	101.0	12 900	61.7	102.1	11 800							46.0
48.0	51.0	96.3	9 100*	52.5	97.3	10 900*	54.6	98.6	12 800	56.6	99.7	12 100	59.8	101.0	11 000							48.0
50.0	48.9	94.6	8 600*	50.4	95.7	10 300*	52.5	97.1	12 000	54.6	98.3	11 400	57.9	99.8	10 300							50.0
52.0	46.7	92.8	8 100*	48.2	94.0	9 700*	50.4	95.5	11 300	52.6	96.8	10 700	56.0	98.5	9 600							52.0
54.0	44.3	90.8	7 600*	45.9	92.1	9 200*	48.3	93.8	10 500*	50.5	95.2	10 000	54.0	97.0	9 000	57.2	98.2	8 000				54.0
56.0	41.9	88.6	7 200*	43.6	90.0	8 700*	46.0	91.9	9 800*	48.3	93.5	9 400	51.9	95.5	8 400	55.3	96.9	7 500				56.0
58.0	39.4	86.3	6 800*	41.2	87.8	8 200*	43.7	89.9	9 100*	46.1	91.6	8 900	49.8	93.9	8 000	53.2	95.4	7 000				58.0
60.0	36.7	83.7	6 500*	38.6	85.4	7 800*	41.3	87.7	8 400*	43.7	89.6	8 300	47.6	92.1	7 400	51.2	93.8	6 600				60.0
62.0	33.9	80.8	6 200*	35.9	82.7	7 300*	38.7	85.2	7 900*	41.3	87.4	7 900	45.3	90.2	7 000	49.0	92.1	6 200				62.0
64.0	30.8	77.6	5 900*	33.0	79.8	6 800*	36.0	82.6	7 300*	38.7	85.0	7 400	43.0	88.1	6 600	46.8	90.3	5 800	50.3	91.8	5 000	64.0
66.0	27.4	74.0	5 700*	29.8	76.5	6 300*	33.1	79.6	6 800*	36.0	82.3	7 000	40.5	85.8	6 200	44.5	88.3	5 400	48.1	90.0	4 600	66.0
68.0	23.6	69.7	5 500*	26.3	72.7	5 900*	29.9	76.3	6 300*	33.1	79.4	6 600	37.9	83.3	5 800	42.1	86.2	5 000	45.9	88.1	4 300	68.0
70.0	19.0	64.5	4 800*	22.3	68.2	5 500*	26.4	72.6	5 900*	30.0	76.1	6 200	35.1	80.6	5 500	39.6	83.9	4 700	43.5	86.1	4 000	70.0
72.0	13.0	57.4	3 900*	17.4	62.5	4 700*	22.4	68.1	5 500*	26.5	72.3	5 900	32.2	77.6	5 100	36.9	81.3	4 400	41.1	83.9	3 700	72.0
74.0				10.4	54.2	3 700*	17.5	62.5	5 000*	22.5	67.8	5 400*	28.9	74.1	4 800	34.1	78.4	4 100	38.5	81.4	3 400	74.0
76.0							10.7	54.3	4 000*	17.7	62.3	5 100*	25.3	70.2	4 500	31.0	75.3	3 800	35.8	78.8	3 200	76.0
78.0													21.1	65.4	4 200	27.7	71.7	3 600	32.8	75.8	3 000	78.0
80.0													15.8	59.3	4 000	23.8	67.5	3 300	29.7	72.5	2 700	80.0
82.0													7.5	49.3	3 700	19.3	62.3	3 100	26.1	68.6	2 500	82.0
84.0																13.4	55.4	2 800	22.1	64.1	2 200	84.0
86.0																			17.1	58.4	2 100	86.0
88.0																			10.0	49.9	1 800	88.0

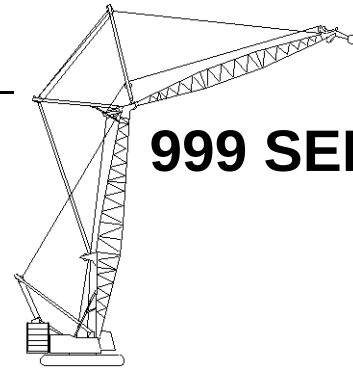


Liftcrane Luffing Jib Capacities

999 SERIES 3

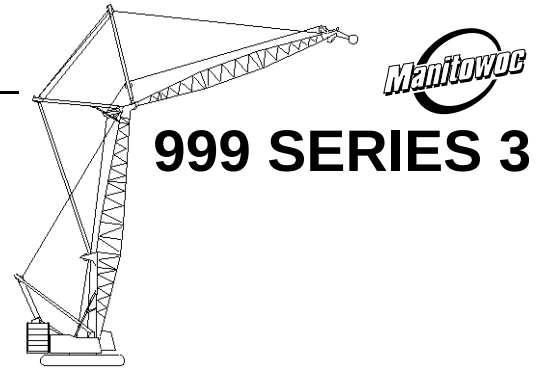
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	15 200							40.0
42.0	58.6	104.3	10 500*	59.9	105.1	12 400*	61.8	106.0	14 000*	63.6	106.7	14 800							42.0
44.0	56.8	103.0	9 900*	58.1	103.8	11 800*	60.0	104.9	13 800*	61.8	105.7	13 700							44.0
46.0	54.9	101.7	9 400*	56.2	102.5	11 200*	58.1	103.6	13 500	60.0	104.5	12 800							46.0
48.0	52.9	100.2	8 800*	54.3	101.1	10 600*	56.3	102.3	12 600	58.2	103.3	11 900	61.2	104.5	10 700				48.0
50.0	50.9	98.6	8 400*	52.3	99.6	10 100*	54.3	100.9	11 800	56.3	102.0	11 200	59.4	103.4	10 000				50.0
52.0	48.9	96.9	7 900*	50.3	98.0	9 500*	52.4	99.4	11 100	54.4	100.6	10 500	57.6	102.1	9 400				52.0
54.0	46.8	95.1	7 500*	48.2	96.3	9 000*	50.4	97.8	10 300*	52.4	99.1	9 800	55.7	100.8	8 800				54.0
56.0	44.5	93.1	7 100*	46.1	94.4	8 500*	48.3	96.1	9 600*	50.4	97.5	9 200	53.8	99.4	8 200	56.9	100.5	7 300	56.0
58.0	42.3	91.0	6 700*	43.8	92.4	8 100*	46.1	94.2	8 900*	48.3	95.8	8 700	51.8	97.8	7 700	55.0	99.2	6 800	58.0
60.0	39.9	88.6	6 400*	41.5	90.2	7 600*	43.9	92.2	8 200*	46.2	93.9	8 200	49.8	96.2	7 300	53.1	97.7	6 400	60.0
62.0	37.3	86.1	6 000*	39.1	87.8	7 100*	41.6	90.0	7 600*	44.0	91.9	7 700	47.7	94.4	6 800	51.1	96.1	5 900	62.0
64.0	34.6	83.3	5 800*	36.5	85.2	6 500*	39.2	87.6	7 100*	41.7	89.7	7 200	45.5	92.5	6 300	49.0	94.4	5 500	64.0
66.0	31.8	80.2	5 500*	33.8	82.3	6 100*	36.6	85.0	6 500*	39.2	87.3	6 800	43.2	90.4	6 000	46.9	92.6	5 200	66.0
68.0	28.6	76.7	5 300*	30.8	79.1	5 600*	33.9	82.2	6 100*	36.7	84.7	6 400	40.9	88.2	5 600	44.7	90.7	4 800	68.0
70.0	25.1	72.7	5 000*	27.6	75.5	5 200*	30.9	79.0	5 600*	33.9	81.9	6 000	38.4	85.7	5 300	42.4	88.5	4 500	70.0
72.0	21.1	68.0	4 400*	23.9	71.3	4 800*	27.7	75.4	5 200*	31.0	78.7	5 600*	35.8	83.1	4 900	40.0	86.2	4 200	72.0
74.0	16.1	61.9	3 600*	19.6	66.2	4 400*	24.0	71.2	4 800*	27.8	75.1	5 200*	33.0	80.1	4 600	37.5	83.7	3 900	74.0
76.0	8.5	52.5	2 600*	14.2	59.5	3 500*	19.8	66.1	4 400*	24.1	70.9	4 800*	30.0	76.8	4 300	34.8	80.9	3 600	76.0
78.0							14.4	59.5	3 800*	19.9	65.9	4 400*	26.6	73.0	4 000	31.9	77.9	3 400	78.0
80.0										14.5	59.3	4 000*	22.9	68.6	3 800	28.8	74.4	3 100	80.0
82.0													18.3	63.2	3 500	25.3	70.4	2 900	82.0
84.0													12.3	55.8	3 200	21.3	65.7	2 700	84.0
86.0																16.4	59.8	2 400	86.0
88.0																9.2	50.8	2 200	88.0



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

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

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	63.1	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	52 200b													18.0
20.0	41.2	58.9	41 200*	47.1	60.4	44 200*	54.9	62.0	46 000b	61.9	63.0	44 400b										20.0
22.0	32.0	56.1	36 800*	39.1	58.1	40 900*	47.9	60.3	40 700	55.6	61.8	39 300b										22.0
24.0	19.0	51.7	31 700*	29.2	55.1	37 400*	40.0	58.2	36 500	48.7	60.1	35 200										24.0
26.0							30.4	55.2	33 000	40.9	58.1	31 900	54.3	60.6	30 000							26.0
28.0										31.5	55.2	29 000	47.3	58.9	27 300							28.0
30.0										18.2	50.7	26 500	39.3	56.7	25 000	52.7	59.1	23 400				30.0
32.0													29.5	53.7	23 000	45.5	57.3	21 500				32.0
34.0																37.2	54.9	19 900	50.7	57.1	18 600	34.0
36.0																26.7	51.6	18 500	43.2	55.2	17 200	36.0
38.0																6.7	44.4	17 100	34.4	52.6	16 000	38.0
40.0																			22.8	48.8	14 900	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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.7	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	50 700*b													18.0
20.0	49.0	63.2	40 100*	53.5	64.4	42 900*	59.8	65.6	45 800	65.7	66.5	44 200b										20.0
22.0	42.3	61.2	35 400*	47.3	62.7	39 800*	54.2	64.3	40 600	60.4	65.4	39 100b										22.0
24.0	34.6	58.6	31 700*	40.4	60.5	36 900*	48.0	62.6	36 300	54.8	64.1	35 000										24.0
26.0	24.8	55.0	29 000*	32.3	57.7	33 600*	41.2	60.5	32 900	48.7	62.4	31 600	59.4	64.3	29 700							26.0
28.0				21.6	53.6	30 100*	33.3	57.8	29 900	42.0	60.4	28 800	53.7	62.9	27 000							28.0
30.0							23.0	53.9	27 400	34.2	57.8	26 400	47.5	61.2	24 800							30.0
32.0										24.3	54.1	24 300	40.6	59.1	22 800	52.3	61.4	21 300				32.0
34.0													32.5	56.3	21 100	45.9	59.6	19 600				34.0
36.0													21.9	52.3	19 500	38.9	57.3	18 200				36.0
38.0																30.4	54.3	16 900				38.0
40.0																			44.0	57.5	15 700	40.0
42.0																			27.4	51.8	13 700	42.0
44.0																			13.3	46.1	12 800	44.0

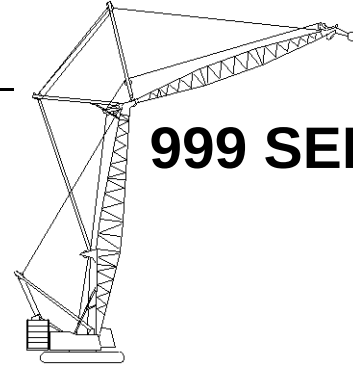


Liftcrane Luffing Jib Capacities

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

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



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

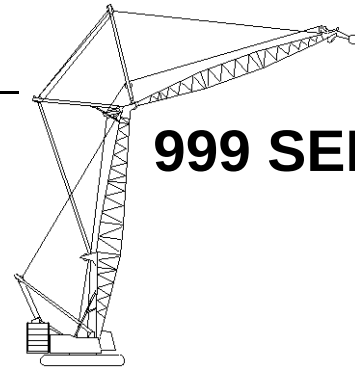
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	49 300*b													18.0
20.0	54.4	67.2	38 800*	58.1	68.1	41 900*	63.5	69.1	45 400													20.0
22.0	49.0	65.5	34 500*	53.0	66.7	38 900*	58.7	68.0	40 500	64.0	68.9	39 000b										22.0
24.0	43.1	63.6	30 700*	47.5	65.0	36 300*	53.6	66.6	36 200	59.2	67.7	34 900										24.0
26.0	36.4	61.1	27 600*	41.5	62.9	33 400*	48.2	64.9	32 700	54.1	66.4	31 500										26.0
28.0	28.5	57.8	25 200*	34.6	60.2	29 800*	42.2	62.9	29 800	48.7	64.7	28 700	58.3	66.6	26 900							28.0
30.0	17.3	52.9	23 500*	26.1	56.7	27 200*	35.4	60.3	27 300	42.8	62.7	26 300	53.1	65.2	24 600							30.0
32.0				13.0	50.8	23 500*	27.1	56.9	25 100	36.1	60.2	24 200	47.7	63.5	22 600	57.1	65.2	21 100				32.0
34.0										28.1	56.9	22 400	41.6	61.5	20 900	51.9	63.7	19 500				34.0
36.0										16.7	51.9	20 700	34.7	58.8	19 400	46.3	61.9	18 100				36.0
38.0													26.3	55.3	18 100	40.1	59.7	16 800				38.0
40.0																32.9	56.9	15 700	44.6	59.8	14 500	40.0
42.0																23.9	53.1	14 700	38.1	57.5	13 600	42.0
44.0																			30.6	54.5	12 700	44.0
46.0																			20.6	50.1	11 900	46.0



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**

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



999 SERIES 3

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	44 200													20.0
22.0	53.8	69.5	33 500*	57.3	70.4	37 900*	62.1	71.5	40 400													22.0
24.0	49.0	67.8	30 000*	52.6	69.0	35 300*	57.8	70.3	36 000	62.6	71.3	34 700										24.0
26.0	43.7	65.9	26 900*	47.7	67.3	32 700*	53.1	68.9	32 600	58.2	70.1	31 300										26.0
28.0	37.9	63.5	24 300*	42.3	65.2	29 400*	48.2	67.2	29 600	53.6	68.7	28 500	61.8	70.2	26 600							28.0
30.0	31.1	60.5	22 200*	36.2	62.7	26 400*	42.9	65.2	27 100	48.8	67.0	26 100	57.4	69.0	24 300							30.0
32.0	22.5	56.4	20 700*	29.1	59.5	24 000*	37.0	62.8	25 000	43.5	65.1	24 000	52.7	67.5	22 400							32.0
34.0				19.8	54.9	22 100*	30.0	59.7	23 100	37.6	62.7	22 200	47.8	65.8	20 700	56.3	67.5	19 200				34.0
36.0							21.0	55.3	21 400	30.8	59.6	20 600	42.4	63.8	19 200	51.6	66.0	17 800				36.0
38.0										22.1	55.5	19 200	36.4	61.3	17 800	46.6	64.2	16 600				38.0
40.0													29.3	58.1	16 700	41.1	62.1	15 400	50.2	64.0	14 200	40.0
42.0													20.0	53.6	15 600	34.9	59.4	14 400	45.0	62.2	13 300	42.0
44.0																27.4	56.0	13 500	39.3	59.9	12 500	44.0
46.0																			32.8	57.1	11 700	46.0
48.0																			24.9	53.3	11 000	48.0
50.0																			12.7	47.2	10 300	50.0

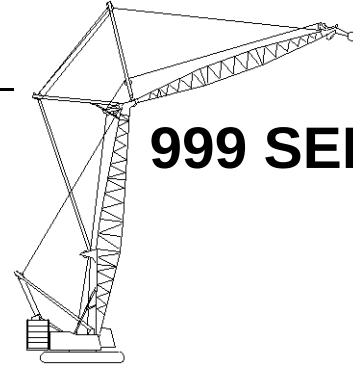


Liftcrane Luffing Jib Capacities

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

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



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

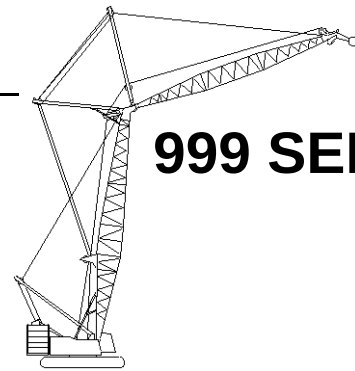
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	42 900*													20.0
22.0	57.6	73.2	32 600*	60.6	74.0	37 000*	64.9	74.9	39 800													22.0
24.0	53.4	71.8	29 300*	56.5	72.8	34 500*	61.0	73.9	36 000	65.3	74.7	34 600										24.0
26.0	49.0	70.1	26 400*	52.3	71.3	32 200*	57.0	72.7	32 500	61.4	73.6	31 200										26.0
28.0	44.2	68.2	23 800*	47.8	69.6	28 900*	52.8	71.2	29 600	57.4	72.4	28 400										28.0
30.0	39.0	65.9	21 600*	42.9	67.6	26 100*	48.3	69.5	27 100	53.2	71.0	26 000	60.7	72.6	24 300							30.0
32.0	33.1	63.1	19 800*	37.6	65.1	23 600*	43.5	67.5	24 900	48.8	69.3	23 900	56.6	71.3	22 300							32.0
34.0	26.0	59.5	18 400*	31.4	62.2	21 500*	38.2	65.2	23 100	44.0	67.4	22 200	52.4	69.8	20 600							34.0
36.0	16.2	54.1	17 500*	23.9	58.2	19 900*	32.2	62.3	21 400	38.8	65.1	20 600	47.9	68.1	19 100	55.7	69.8	17 700				36.0
38.0				12.5	51.9	18 200*	24.8	58.5	19 900	32.8	62.2	19 200	43.1	66.1	17 800	51.4	68.3	16 500				38.0
40.0										25.7	58.6	17 900	37.7	63.7	16 600	46.8	66.5	15 400				40.0
42.0										15.7	53.1	16 700	31.6	60.7	15 600	41.9	64.4	14 400	50.1	66.3	13 200	42.0
44.0													24.1	56.8	14 600	36.4	61.9	13 500	45.4	64.5	12 400	44.0
46.0																30.0	58.8	12 600	40.3	62.3	11 600	46.0
48.0																22.0	54.5	11 900	34.6	59.6	10 900	48.0
50.0																			27.9	56.2	10 200	50.0
52.0																			19.0	51.4	9 600	52.0



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**

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



999 SERIES 3

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	41 500*													20.0
22.0	60.6	76.8	31 700*	63.2	77.5	35 900*	67.1	78.3	38 800*													22.0
24.0	56.9	75.5	28 600*	59.7	76.4	33 600*	63.6	77.4	35 800													24.0
26.0	53.0	74.1	25 800*	55.9	75.1	31 400*	60.1	76.3	32 300	64.0	77.1	31 000										26.0
28.0	49.0	72.4	23 400*	52.0	73.6	28 500*	56.4	75.0	29 400	60.4	76.0	28 200										28.0
30.0	44.6	70.5	21 200*	47.9	71.9	25 700*	52.5	73.5	26 900	56.7	74.8	25 800										30.0
32.0	39.9	68.3	19 300*	43.5	69.9	23 400*	48.4	71.8	24 800	52.9	73.3	23 700	59.7	74.9	22 000							32.0
34.0	34.7	65.6	17 700*	38.6	67.5	21 300*	44.0	69.9	22 900	48.8	71.6	22 000	56.0	73.6	20 400							34.0
36.0	28.6	62.3	16 400*	33.2	64.7	19 400*	39.2	67.6	21 200	44.4	69.7	20 400	52.1	72.2	18 900							36.0
38.0	20.9	57.8	15 500*	26.8	61.2	18 000*	33.9	64.8	19 800	39.7	67.5	18 900	48.0	70.4	17 600	55.1	72.1	16 200				38.0
40.0				18.5	56.2	16 800*	27.6	61.4	18 400	34.4	64.7	17 700	43.6	68.5	16 400	51.2	70.6	15 100				40.0
42.0							19.6	56.6	17 300	28.3	61.4	16 500	38.8	66.1	15 300	47.0	68.8	14 100				42.0
44.0										20.5	56.8	15 500	33.4	63.3	14 400	42.5	66.8	13 200	50.0	68.6	12 100	44.0
46.0													27.0	59.8	13 500	37.6	64.3	12 400	45.7	66.8	11 400	46.0
48.0													18.7	54.9	12 700	32.0	61.4	11 600	41.1	64.6	10 700	48.0
50.0																25.3	57.6	11 000	36.0	62.1	10 000	50.0
52.0																			30.2	58.9	9 400	52.0
54.0																			23.0	54.8	8 900	54.0
56.0																			12.3	48.3	8 300	56.0

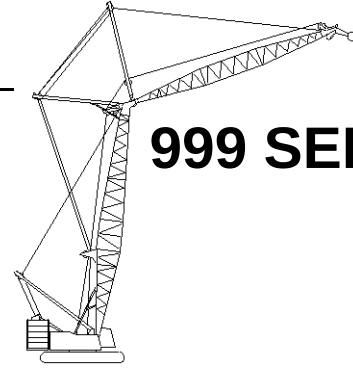


Liftcrane Luffing Jib Capacities

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**

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



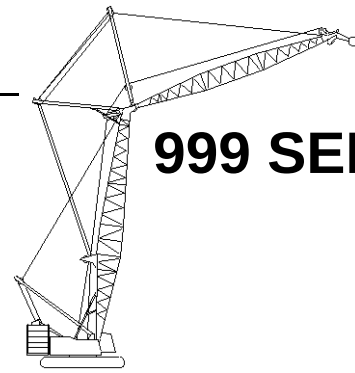
42.7m (140 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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	37 800*													22.0
24.0	59.8	79.1	27 800*	62.2	79.9	32 800*	65.8	80.7	35 300													24.0
26.0	56.3	77.9	25 300*	58.9	78.7	30 700*	62.6	79.7	32 100	66.1	80.5	30 800										26.0
28.0	52.7	76.4	23 000*	55.4	77.4	28 000*	59.3	78.6	29 200	62.9	79.5	28 000										28.0
30.0	49.0	74.7	20 900*	51.8	75.9	25 400*	55.8	77.3	26 700	59.6	78.4	25 600										30.0
32.0	45.0	72.8	19 000*	48.0	74.2	23 100*	52.2	75.8	24 600	56.2	77.1	23 600	62.3	78.4	21 900							32.0
34.0	40.7	70.6	17 500*	43.9	72.2	21 100*	48.4	74.1	22 800	52.6	75.6	21 800	59.0	77.3	20 200							34.0
36.0	36.0	68.1	16 100*	39.5	69.9	19 300*	44.4	72.2	21 100	48.8	73.9	20 200	55.5	76.0	18 700							36.0
38.0	30.6	64.9	14 900*	34.7	67.2	17 700*	40.0	69.9	19 700	44.8	72.0	18 800	51.9	74.5	17 400							38.0
40.0	24.2	61.0	14 000*	29.1	63.9	16 400*	35.2	67.3	18 400	40.5	69.8	17 500	48.1	72.7	16 200	54.7	74.4	15 000				40.0
42.0	15.4	55.3	13 500*	22.3	59.7	15 300*	29.8	64.1	17 100	35.7	67.2	16 400	44.0	70.8	15 200	51.0	72.9	14 000				42.0
44.0				12.2	53.0	14 200*	23.1	60.0	16 100	30.4	64.1	15 400	39.6	68.5	14 200	47.1	71.1	13 100				44.0
46.0										23.9	60.1	14 500	34.8	65.8	13 300	43.0	69.1	12 200	49.9	70.9	11 200	46.0
48.0										14.9	54.2	13 600	29.2	62.5	12 500	38.5	66.7	11 500	46.0	69.1	10 500	48.0
50.0													22.5	58.3	11 800	33.6	63.9	10 800	41.8	67.0	9 800	50.0
52.0																27.8	60.5	10 200	37.1	64.5	9 200	52.0
54.0																20.6	55.9	9 600	32.0	61.5	8 700	54.0
56.0																			25.9	57.8	8 200	56.0
58.0																			17.9	52.7	7 700	58.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.8	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	34 300*													24.0
26.0	59.0	81.5	24 700*	61.3	82.3	29 900*	64.7	83.2	31 900													26.0
28.0	55.8	80.2	22 600*	58.2	81.1	27 400*	61.7	82.1	29 000	65.0	82.9	27 800										28.0
30.0	52.5	78.7	20 600*	55.0	79.7	25 100*	58.6	81.0	26 500	62.0	81.9	25 400										30.0
32.0	49.0	77.0	18 900*	51.6	78.2	23 000*	55.3	79.6	24 400	58.9	80.7	23 400										32.0
34.0	45.3	75.2	17 300*	48.1	76.5	21 000*	52.0	78.1	22 500	55.7	79.4	21 500	61.4	80.8	20 000							34.0
36.0	41.3	73.0	15 900*	44.3	74.5	19 200*	48.5	76.4	20 900	52.3	77.9	20 000	58.3	79.6	18 400							36.0
38.0	37.0	70.5	14 700*	40.3	72.3	17 700*	44.7	74.5	19 400	48.8	76.2	18 600	55.0	78.3	17 200							38.0
40.0	32.2	67.5	13 600*	35.9	69.7	16 300*	40.7	72.3	18 100	45.1	74.3	17 300	51.7	76.8	16 000							40.0
42.0	26.7	63.9	12 800*	30.9	66.6	15 100*	36.4	69.7	17 000	41.1	72.2	16 200	48.1	75.0	14 900	54.3	76.8	13 700				42.0
44.0	19.7	59.1	12 200*	25.1	62.7	14 100*	31.5	66.7	15 900	36.8	69.7	15 200	44.4	73.1	14 000	50.9	75.2	12 800				44.0
46.0				17.5	57.5	13 300*	25.8	63.0	15 000	32.0	66.7	14 300	40.4	70.9	13 100	47.3	73.4	12 000				46.0
48.0							18.5	57.9	14 100	26.4	63.0	13 400	36.0	68.3	12 300	43.5	71.4	11 200	49.8	73.2	10 200	48.0
50.0										19.4	58.2	12 600	31.0	65.2	11 600	39.4	69.1	10 600	46.2	71.4	9 600	50.0
52.0													25.2	61.4	10 900	34.9	66.4	10 000	42.3	69.3	9 000	52.0
54.0													17.7	56.1	10 300	29.8	63.2	9 400	38.1	66.9	8 400	54.0
56.0																23.7	59.1	8 900	33.5	64.1	8 000	56.0
58.0																			28.1	60.6	7 500	58.0
60.0																			21.6	56.2	7 000	60.0
62.0																			12.0	49.4	6 600	62.0

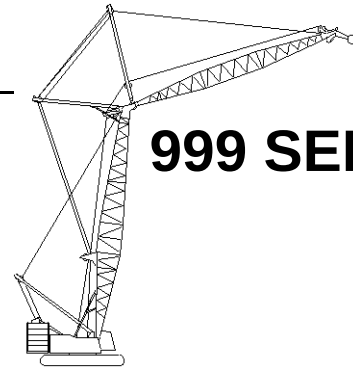


Liftcrane Luffing Jib Capacities

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**

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



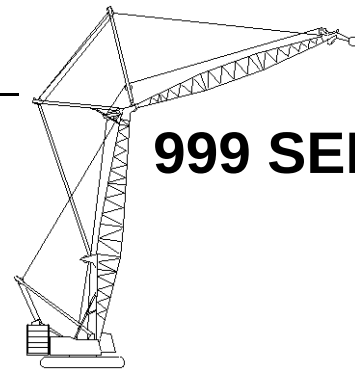
42.7m (140 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.9	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	32 900*													24.0
26.0	61.3	85.0	24 100*	63.4	85.7	28 800*	66.5	86.5	31 400													26.0
28.0	58.4	83.8	22 100*	60.6	84.6	26 700*	63.7	85.6	29 000	66.8	86.2	27 700										28.0
30.0	55.4	82.5	20 300*	57.6	83.4	24 600*	60.9	84.5	26 400	64.0	85.3	25 300										30.0
32.0	52.3	81.0	18 600*	54.6	82.0	22 600*	58.0	83.3	24 300	61.2	84.3	23 300										32.0
34.0	49.0	79.3	17 100*	51.4	80.5	20 800*	54.9	81.9	22 400	58.3	83.1	21 500										34.0
36.0	45.5	77.5	15 700*	48.1	78.8	19 100*	51.8	80.4	20 800	55.2	81.7	19 900	60.6	83.2	18 400							36.0
38.0	41.9	75.3	14 500*	44.6	76.8	17 500*	48.5	78.7	19 400	52.1	80.2	18 500	57.7	82.0	17 100							38.0
40.0	37.9	72.9	13 400*	40.9	74.6	16 200*	45.0	76.8	18 100	48.8	78.5	17 300	54.7	80.6	15 900							40.0
42.0	33.6	70.1	12 500*	36.9	72.1	15 000*	41.3	74.6	16 900	45.4	76.7	16 100	51.5	79.1	14 800							42.0
44.0	28.7	66.7	11 800*	32.4	69.2	13 900*	37.3	72.2	15 900	41.7	74.5	15 100	48.2	77.3	13 900	53.9	79.1	12 700				44.0
46.0	22.8	62.5	11 200*	27.3	65.6	12 900*	32.9	69.3	14 900	37.8	72.1	14 200	44.7	75.4	13 000	50.7	77.5	11 900				46.0
48.0	14.8	56.4	10 800*	21.0	61.0	12 300*	27.9	65.8	14 000	33.4	69.2	13 400	41.0	73.2	12 300	47.4	75.7	11 200				48.0
50.0				11.9	54.1	11 300*	21.8	61.4	13 200	28.4	65.8	12 600	37.0	70.7	11 500	43.9	73.7	10 500	49.8	75.5	9 500	50.0
52.0										22.5	61.5	11 900	32.5	67.8	10 900	40.1	71.5	9 900	46.4	73.7	8 900	52.0
54.0										14.4	55.3	11 200	27.4	64.2	10 300	36.0	68.9	9 300	42.8	71.6	8 400	54.0
56.0													21.2	59.7	9 700	31.4	65.8	8 800	38.9	69.3	7 900	56.0
58.0																26.1	62.1	8 300	34.7	66.6	7 400	58.0
60.0																19.5	57.2	7 800	29.9	63.3	7 000	60.0
62.0																			24.3	59.3	6 600	62.0
64.0																			17.1	53.9	6 200	64.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.9	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	29 800*													26.0
28.0	60.6	87.4	21 400*	62.6	88.1	25 700*	65.5	89.0	28 700													28.0
30.0	57.8	86.2	19 800*	59.9	87.0	23 900*	62.9	88.0	26 300	65.7	88.7	25 100										30.0
32.0	55.0	84.8	18 200*	57.1	85.7	22 100*	60.2	86.9	24 100	63.1	87.7	23 000										32.0
34.0	52.1	83.3	16 800*	54.2	84.4	20 400*	57.4	85.6	22 300	60.5	86.6	21 200										34.0
36.0	49.0	81.6	15 500*	51.3	82.8	18 800*	54.6	84.3	20 600	57.7	85.4	19 700										36.0
38.0	45.8	79.8	14 300*	48.2	81.1	17 400*	51.6	82.7	19 200	54.9	84.0	18 300	59.9	85.5	16 800							38.0
40.0	42.4	77.7	13 300*	44.9	79.2	16 000*	48.5	81.0	17 900	51.9	82.5	17 000	57.2	84.3	15 700							40.0
42.0	38.7	75.3	12 300*	41.4	77.0	14 900*	45.3	79.1	16 700	48.8	80.8	15 900	54.3	82.9	14 600							42.0
44.0	34.7	72.6	11 500*	37.7	74.5	13 800*	41.8	77.0	15 700	45.6	79.0	14 900	51.3	81.4	13 700							44.0
46.0	30.3	69.4	10 800*	33.6	71.7	12 800*	38.1	74.6	14 700	42.2	76.9	14 000	48.2	79.6	12 800	53.6	81.4	11 600				46.0
48.0	25.2	65.5	10 200*	29.1	68.4	12 000*	34.1	71.8	13 800	38.5	74.5	13 200	45.0	77.7	12 000	50.6	79.8	10 900				48.0
50.0	18.8	60.4	9 900*	23.7	64.2	11 300*	29.6	68.5	13 000	34.5	71.7	12 400	41.5	75.6	11 300	47.5	78.0	10 200				50.0
52.0				16.7	58.7	10 800*	24.3	64.5	12 300	30.1	68.5	11 700	37.8	73.1	10 600	44.2	76.1	9 600	49.7	77.8	8 700	52.0
54.0							17.6	59.2	11 500	24.9	64.6	11 000	33.7	70.3	10 100	40.7	73.8	9 100	46.6	76.0	8 100	54.0
56.0										18.4	59.4	10 400	29.2	67.0	9 500	36.9	71.3	8 500	43.2	74.0	7 600	56.0
58.0													23.8	62.9	9 000	32.7	68.4	8 000	39.6	71.7	7 200	58.0
60.0													16.9	57.3	8 400	28.0	64.9	7 600	35.7	69.0	6 800	60.0
62.0																22.4	60.6	7 200	31.4	66.0	6 400	62.0
64.0																14.9	54.5	6 800	26.5	62.3	6 000	64.0
66.0																			20.5	57.6	5 600	66.0
68.0																			11.8	50.4	5 300	68.0

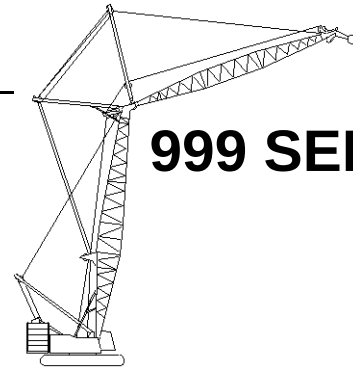


Liftcrane Luffing Jib Capacities

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**

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



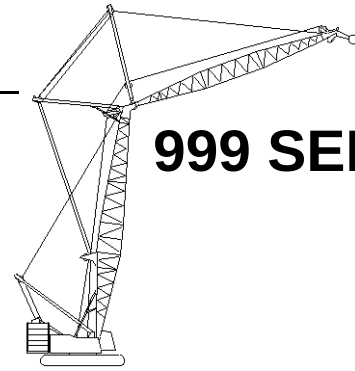
42.7m (140 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

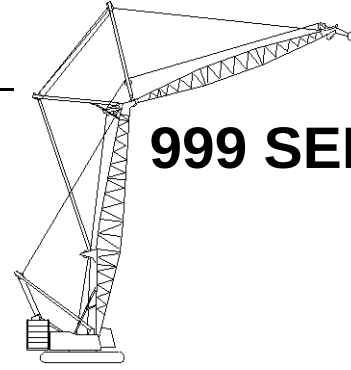


Liftcrane Luffing Jib Capacities

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**

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



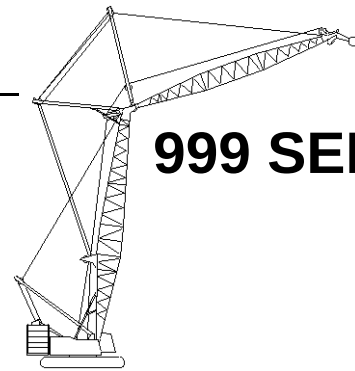
42.7m (140 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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	19 700*	66.8	100.3	20 400										34.0
36.0	58.4	96.8	14 400*	60.0	97.6	17 300*	62.4	98.6	19 600	64.7	99.3	18 900										36.0
38.0	56.1	95.5	13 500*	57.8	96.4	16 200*	60.2	97.5	18 500	62.6	98.3	17 600										38.0
40.0	53.8	94.1	12 600*	55.5	95.0	15 200*	58.0	96.3	17 200	60.5	97.2	16 300										40.0
42.0	51.4	92.5	11 800*	53.2	93.6	14 300*	55.8	94.9	16 100	58.3	96.0	15 200										42.0
44.0	49.0	90.8	11 000*	50.8	92.0	13 400*	53.5	93.5	15 000	56.0	94.7	14 200	60.1	96.2	12 900							44.0
46.0	46.4	89.0	10 300*	48.3	90.3	12 500*	51.1	91.9	14 100	53.7	93.3	13 300	57.9	94.9	12 000							46.0
48.0	43.8	87.0	9 700*	45.8	88.4	11 700*	48.6	90.2	13 200	51.3	91.7	12 500	55.6	93.6	11 300							48.0
50.0	40.9	84.8	9 100*	43.1	86.3	11 000*	46.0	88.4	12 400	48.9	90.0	11 700	53.3	92.1	10 600							50.0
52.0	38.0	82.3	8 600*	40.2	84.1	10 300*	43.4	86.3	11 700	46.3	88.2	11 000	50.9	90.6	9 900	55.1	92.1	8 800				52.0
54.0	34.8	79.5	8 100*	37.2	81.5	9 700*	40.5	84.1	11 000	43.6	86.2	10 400	48.4	88.8	9 300	52.7	90.6	8 300				54.0
56.0	31.3	76.4	7 700*	33.9	78.7	9 200*	37.5	81.6	10 400	40.8	83.9	9 800	45.8	87.0	8 800	50.3	89.0	7 800				56.0
58.0	27.4	72.8	7 300*	30.3	75.4	8 600*	34.3	78.8	9 800	37.8	81.5	9 200	43.1	84.9	8 300	47.8	87.2	7 300	52.0	88.7	6 400	58.0
60.0	22.9	68.5	7 000*	26.3	71.7	8 200*	30.7	75.6	9 200*	34.6	78.7	8 700	40.3	82.6	7 800	45.2	85.3	6 900	49.6	87.0	6 000	60.0
62.0	17.4	62.9	6 800*	21.6	67.1	7 800*	26.8	71.9	8 600*	31.1	75.6	8 200	37.2	80.1	7 300	42.5	83.2	6 400	47.1	85.2	5 600	62.0
64.0	8.8	54.1	5 500*	15.6	61.0	6 900*	22.2	67.4	8 100*	27.2	71.9	7 800	34.0	77.3	6 900	39.6	80.9	6 000	44.4	83.2	5 200	64.0
66.0							16.4	61.6	7 300*	22.7	67.5	7 300	30.4	74.0	6 500	36.5	78.3	5 700	41.6	81.1	4 900	66.0
68.0										17.1	61.9	6 900	26.4	70.3	6 100	33.2	75.4	5 300	38.7	78.7	4 600	68.0
70.0										8.2	52.7	6 200	21.7	65.7	5 800	29.5	72.0	5 000	35.6	76.0	4 300	70.0
72.0													15.8	59.7	5 400	25.4	68.1	4 700	32.2	73.0	4 000	72.0
74.0																20.5	63.3	4 400	28.4	69.5	3 700	74.0
76.0																14.0	56.7	4 100	24.1	65.4	3 400	76.0
78.0																			18.8	60.2	3 200	78.0
80.0																			11.5	52.6	2 900	80.0

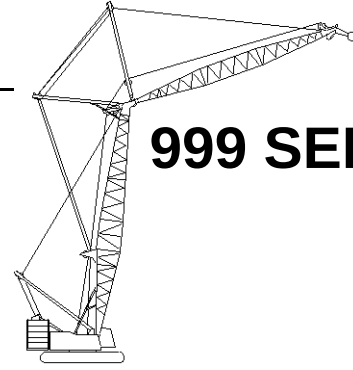


Liftcrane Luffing Jib Capacities

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**

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



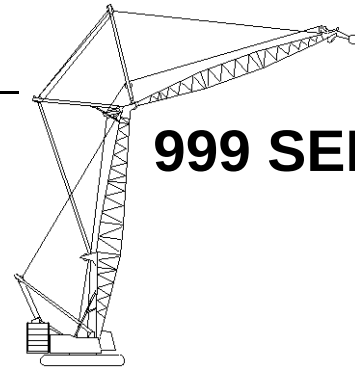
42.7m (140 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

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	17 700*	66.0	102.7	18 500										36.0
38.0	57.9	99.1	13 100*	59.5	100.0	15 700*	61.8	101.0	17 600*	64.0	101.8	17 400										38.0
40.0	55.8	97.8	12 300*	57.4	98.7	14 800*	59.7	99.8	17 100	62.0	100.7	16 100										40.0
42.0	53.6	96.4	11 600*	55.2	97.4	14 000*	57.6	98.6	15 900	60.0	99.6	15 000										42.0
44.0	51.3	94.8	10 900*	53.0	95.9	13 100*	55.5	97.3	14 800	57.9	98.4	14 100	61.6	99.7	12 700							44.0
46.0	49.0	93.1	10 200*	50.7	94.3	12 400*	53.3	95.8	13 900	55.7	97.0	13 100	59.6	98.5	11 900							46.0
48.0	46.6	91.3	9 600*	48.4	92.6	11 600*	51.0	94.2	13 100	53.5	95.6	12 300	57.5	97.3	11 100							48.0
50.0	44.0	89.3	9 000*	45.9	90.7	10 900*	48.6	92.5	12 300	51.2	94.0	11 500	55.3	95.9	10 400							50.0
52.0	41.4	87.1	8 500*	43.3	88.7	10 200*	46.2	90.7	11 500	48.9	92.3	10 900	53.1	94.5	9 700	57.0	95.8	8 700				52.0
54.0	38.6	84.7	8 000*	40.7	86.4	9 600*	43.6	88.6	10 900	46.4	90.5	10 200	50.8	92.9	9 100	54.8	94.4	8 100				54.0
56.0	35.6	82.0	7 600*	37.8	83.9	9 100*	41.0	86.4	10 200	43.9	88.5	9 600	48.4	91.1	8 600	52.5	92.9	7 600				56.0
58.0	32.3	79.0	7 200*	34.8	81.2	8 600*	38.1	84.0	9 700	41.2	86.3	9 100	46.0	89.3	8 100	50.2	91.3	7 100				58.0
60.0	28.8	75.6	6 800*	31.4	78.1	8 200*	35.1	81.2	9 000*	38.4	83.9	8 600	43.4	87.2	7 600	47.9	89.5	6 700	51.9	91.0	5 800	60.0
62.0	24.7	71.5	6 600*	27.8	74.5	7 700*	31.8	78.2	8 400*	35.4	81.2	8 100	40.7	85.0	7 200	45.4	87.6	6 300	49.6	89.3	5 400	62.0
64.0	19.9	66.6	6 400*	23.6	70.3	7 300*	28.2	74.7	7 800*	32.2	78.1	7 600	37.9	82.5	6 800	42.8	85.5	5 800	47.1	87.5	5 000	64.0
66.0	13.6	59.8	5 500*	18.5	65.0	6 500*	24.1	70.5	7 300*	28.6	74.7	7 200	34.8	79.8	6 300	40.1	83.3	5 500	44.6	85.6	4 700	66.0
68.0				11.4	57.3	5 300*				19.2	65.4	6 800*	31.5	76.7	6 000	37.2	80.7	5 200	42.0	83.4	4 400	68.0
70.0							12.4	58.1	5 800*	19.7	65.6	6 400	27.9	73.1	5 600	34.1	77.9	4 800	39.2	81.1	4 100	70.0
72.0										13.3	58.7	6 000	23.7	68.9	5 300	30.7	74.7	4 500	36.3	78.4	3 800	72.0
74.0													18.7	63.6	5 000	26.9	71.0	4 200	33.1	75.5	3 500	74.0
76.0													11.6	56.1	4 600	22.6	66.6	4 000	29.7	72.2	3 300	76.0
78.0																17.3	61.0	3 700	25.8	68.3	3 000	78.0
80.0																			21.2	63.6	2 800	80.0
82.0																			15.4	57.5	2 600	82.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.1	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	16 900*										36.0
38.0	59.6	102.7	12 700*	61.0	103.5	15 100*	63.2	104.4	15 900*	65.3	105.1	16 900*										38.0
40.0	57.6	101.5	12 000*	59.1	102.3	14 400*	61.3	103.4	15 900*	63.4	104.2	15 900										40.0
42.0	55.5	100.1	11 300*	57.0	101.1	13 600*	59.3	102.2	15 600	61.5	103.1	14 800										42.0
44.0	53.4	98.7	10 600*	55.0	99.7	12 900*	57.3	100.9	14 700	59.5	102.0	13 800										44.0
46.0	51.2	97.1	10 000*	52.8	98.2	12 100*	55.2	99.6	13 700	57.5	100.7	12 900	61.1	102.0	11 600							46.0
48.0	49.0	95.4	9 400*	50.7	96.6	11 400*	53.1	98.1	12 800	55.4	99.4	12 100	59.1	100.9	10 900							48.0
50.0	46.7	93.6	8 900*	48.4	94.9	10 700*	50.9	96.5	12 000	53.3	97.9	11 300	57.1	99.6	10 200							50.0
52.0	44.3	91.6	8 400*	46.1	93.0	10 100*	48.7	94.8	11 300	51.1	96.3	10 600	55.0	98.2	9 500							52.0
54.0	41.7	89.5	7 900*	43.6	91.0	9 600*	46.3	93.0	10 700	48.9	94.7	10 000	52.9	96.8	8 900	56.6	98.1	7 800				54.0
56.0	39.1	87.1	7 500*	41.1	88.8	9 000*	43.9	91.0	10 000	46.6	92.8	9 400	50.7	95.2	8 400	54.5	96.7	7 300				56.0
58.0	36.3	84.5	7 100*	38.4	86.3	8 500*	41.4	88.8	9 400*	44.1	90.8	8 900	48.5	93.4	7 900	52.4	95.2	6 900				58.0
60.0	33.2	81.5	6 700*	35.5	83.6	8 100*	38.7	86.4	8 800*	41.6	88.6	8 300	46.1	91.6	7 400	50.2	93.6	6 400				60.0
62.0	29.9	78.2	6 400*	32.4	80.6	7 600*	35.8	83.7	8 200*	39.0	86.2	7 900	43.7	89.5	6 900	47.9	91.8	6 000	51.8	93.3	5 100	62.0
64.0	26.3	74.4	6 200*	29.0	77.2	7 000*	32.8	80.7	7 600*	36.1	83.6	7 400	41.1	87.3	6 500	45.6	89.9	5 600	49.5	91.6	4 800	64.0
66.0	22.0	69.9	5 900*	25.3	73.3	6 500*	29.4	77.4	7 100*	33.1	80.7	7 000	38.4	84.9	6 100	43.1	87.9	5 300	47.2	89.8	4 500	66.0
68.0	16.8	64.1	5 200*	20.8	68.5	5 900*	25.7	73.5	6 600*	29.8	77.4	6 600	35.6	82.2	5 800	40.5	85.6	4 900	44.8	87.9	4 100	68.0
70.0	8.9	55.1	4 000*	15.2	62.2	5 100*	21.4	68.8	6 100*	26.1	73.5	6 200	32.5	79.2	5 400	37.8	83.1	4 600	42.4	85.8	3 800	70.0
72.0							15.9	62.8	5 400*	21.8	69.0	5 900	29.1	75.8	5 100	34.9	80.4	4 300	39.7	83.4	3 500	72.0
74.0										16.5	63.1	5 500	25.3	71.9	4 800	31.7	77.3	4 000	37.0	80.9	3 300	74.0
76.0										8.4	53.8	4 600	20.9	67.1	4 500	28.3	73.8	3 700	34.0	78.0	3 000	76.0
78.0													15.3	60.9	4 200	24.4	69.7	3 500	30.8	74.8	2 800	78.0
80.0																19.8	64.7	3 200	27.2	71.2	2 600	80.0
82.0																13.7	57.9	3 000	23.1	66.8	2 300	82.0
84.0																			18.2	61.5	2 100	84.0
86.0																			11.4	53.7	1 900	86.0

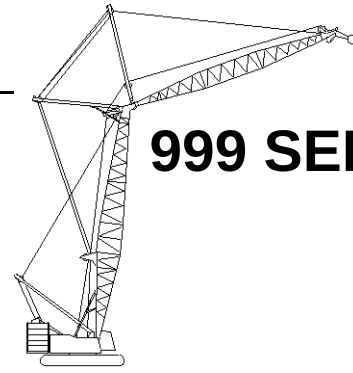


Liftcrane Luffing Jib Capacities

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**

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



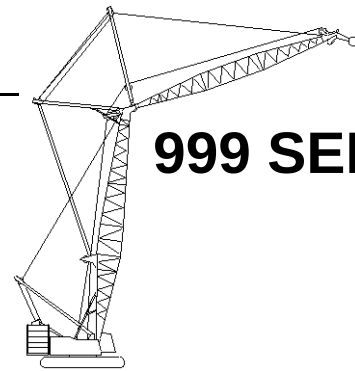
42.7m (140 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

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	16 400*							38.0
40.0	59.1	105.1	11 000*	60.5	105.9	13 100*	62.6	106.8	15 200*	64.6	107.6	15 800							40.0
42.0	57.2	103.8	10 400*	58.6	104.7	12 400*	60.8	105.7	15 100*	62.8	106.6	14 700							42.0
44.0	55.2	102.5	9 800*	56.7	103.4	11 800*	58.9	104.6	14 500	60.9	105.5	13 700							44.0
46.0	53.2	101.0	9 300*	54.7	102.0	11 200*	56.9	103.3	13 600	59.1	104.3	12 800	62.5	105.5	11 500				46.0
48.0	51.1	99.4	8 700*	52.7	100.5	10 500*	54.9	101.9	12 700	57.1	103.0	11 900	60.6	104.4	10 700				48.0
50.0	49.0	97.7	8 200*	50.6	98.9	9 900*	52.9	100.4	11 900	55.1	101.7	11 200	58.7	103.2	10 000				50.0
52.0	46.8	95.9	7 800*	48.4	97.2	9 400*	50.8	98.8	11 200	53.1	100.2	10 500	56.7	101.9	9 400				52.0
54.0	44.5	93.9	7 300*	46.2	95.3	8 900*	48.7	97.1	10 500	51.0	98.6	9 900	54.8	100.6	8 800				54.0
56.0	42.1	91.8	6 900*	43.9	93.3	8 400*	46.4	95.3	9 900	48.9	97.0	9 300	52.7	99.1	8 200	56.3	100.4	7 200	56.0
58.0	39.6	89.4	6 600*	41.4	91.1	7 900*	44.1	93.3	9 200*	46.7	95.1	8 700	50.6	97.5	7 700	54.3	99.0	6 700	58.0
60.0	36.9	86.9	6 300*	38.9	88.7	7 500*	41.7	91.1	8 600*	44.4	93.1	8 200	48.5	95.7	7 300	52.2	97.5	6 300	60.0
62.0	34.1	84.0	6 000*	36.2	86.1	7 100*	39.2	88.7	8 000*	42.0	91.0	7 700	46.2	93.9	6 800	50.1	95.9	5 900	62.0
64.0	31.0	80.9	5 700*	33.3	83.2	6 800*	36.5	86.1	7 400*	39.4	88.6	7 300	43.9	91.9	6 400	48.0	94.2	5 500	64.0
66.0	27.6	77.3	5 500*	30.2	79.9	6 400*	33.6	83.2	6 900*	36.8	86.0	6 900	41.5	89.7	6 000	45.7	92.3	5 100	66.0
68.0	23.8	73.0	5 300*	26.7	76.1	5 900*	30.5	80.0	6 400*	33.9	83.2	6 500	38.9	87.3	5 600	43.4	90.2	4 800	68.0
70.0	19.3	67.9	4 800*	22.7	71.7	5 500*	27.1	76.3	6 000*	30.8	80.0	6 100	36.2	84.7	5 300	40.9	88.0	4 500	70.0
72.0	13.3	60.9	3 900*	17.9	66.2	4 800*	23.2	72.0	5 500*	27.5	76.4	5 700	33.4	81.7	5 000	38.3	85.5	4 200	72.0
74.0				11.3	58.4	3 800*	18.5	66.7	5 000*	23.6	72.1	5 400	30.2	78.5	4 600	35.6	82.8	3 900	74.0
76.0							12.2	59.2	4 200*	19.1	66.9	5 100	26.8	74.7	4 300	32.7	79.8	3 600	76.0
78.0										13.0	59.8	4 500*	22.8	70.4	4 100	29.5	76.5	3 400	78.0
80.0													18.1	64.9	3 800	25.9	72.6	3 100	80.0
82.0													11.5	57.1	3 500	21.8	68.0	2 900	82.0
84.0																16.8	62.2	2 700	84.0

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**

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



999 SERIES 3

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	14 800*							40.0
42.0	58.7	107.4	10 100*	60.1	108.2	12 000*	62.1	109.2	13 600*	64.0	110.0	14 400							42.0
44.0	56.9	106.2	9 500*	58.3	107.0	11 400*	60.3	108.1	13 500*	62.3	109.0	13 500							44.0
46.0	55.0	104.8	9 000*	56.4	105.7	10 800*	58.5	106.9	13 400	60.5	107.8	12 600							46.0
48.0	53.0	103.3	8 500*	54.5	104.3	10 200*	56.6	105.6	12 500	58.7	106.7	11 700	61.9	107.9	10 500				48.0
50.0	51.0	101.7	8 000*	52.5	102.8	9 700*	54.7	104.2	11 700	56.8	105.4	11 000	60.1	106.8	9 800				50.0
52.0	49.0	100.0	7 600*	50.5	101.2	9 200*	52.7	102.7	11 000	54.9	104.0	10 300	58.3	105.6	9 100				52.0
54.0	46.9	98.2	7 200*	48.4	99.5	8 700*	50.7	101.1	10 300	52.9	102.5	9 700	56.4	104.3	8 600				54.0
56.0	44.7	96.3	6 800*	46.3	97.6	8 200*	48.7	99.4	9 700	51.0	101.0	9 100	54.5	102.9	8 000				56.0
58.0	42.4	94.1	6 400*	44.1	95.6	7 800*	46.5	97.6	9 000*	48.9	99.3	8 500	52.6	101.4	7 500	56.0	102.8	6 500	58.0
60.0	40.0	91.8	6 100*	41.8	93.4	7 400*	44.3	95.6	8 300*	46.8	97.4	8 000	50.6	99.8	7 000	54.1	101.4	6 000	60.0
62.0	37.5	89.3	5 800*	39.4	91.1	7 000*	42.0	93.4	7 800*	44.6	95.4	7 500	48.5	98.0	6 600	52.1	99.8	5 600	62.0
64.0	34.8	86.5	5 600*	36.8	88.5	6 600*	39.6	91.1	7 200*	42.3	93.3	7 100	46.4	96.2	6 200	50.1	98.2	5 300	64.0
66.0	31.9	83.4	5 300*	34.1	85.7	6 100*	37.1	88.6	6 700*	39.9	91.0	6 700	44.1	94.2	5 800	48.0	96.5	4 900	66.0
68.0	28.8	80.0	5 100*	31.1	82.5	5 700*	34.4	85.7	6 200*	37.3	88.5	6 300	41.8	92.0	5 400	45.8	94.6	4 600	68.0
70.0	25.3	76.0	4 800*	27.9	78.9	5 300*	31.5	82.6	5 700*	34.7	85.7	5 900	39.4	89.7	5 000	43.6	92.5	4 200	70.0
72.0	21.3	71.3	4 400*	24.3	74.8	4 900*	28.3	79.1	5 300*	31.8	82.6	5 600	36.9	87.1	4 700	41.3	90.3	3 900	72.0
74.0	16.4	65.3	3 600*	20.1	69.8	4 400*	24.8	75.0	4 900*	28.6	79.1	5 200	34.1	84.2	4 500	38.8	87.9	3 700	74.0
76.0	9.1	56.2	2 600*	14.8	63.4	3 600*	20.6	70.2	4 500*	25.1	75.1	4 900	31.2	81.1	4 200	36.2	85.3	3 400	76.0
78.0							15.5	63.9	3 900*	21.1	70.4	4 500*	28.0	77.5	3 900	33.5	82.4	3 100	78.0
80.0										16.1	64.3	4 100*	24.4	73.4	3 600	30.5	79.1	2 900	80.0
82.0										8.6	54.9	3 200*	20.2	68.5	3 300	27.2	75.4	2 700	82.0
84.0													15.0	62.0	3 100	23.5	71.2	2 400	84.0
86.0																19.1	66.0	2 200	86.0
88.0																13.5	59.0	2 000	88.0

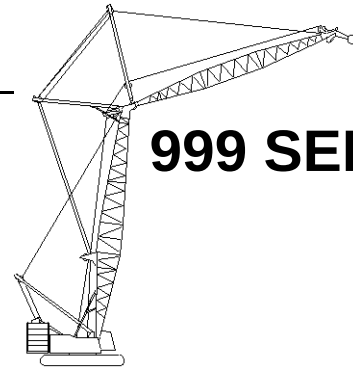


Liftcrane Luffing Jib Capacities

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

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



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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	63.4	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*																18.0
20.0	41.7	62.0	39 300*	47.9	63.6	43 000*	62.4	66.5	50 900*b	56.1	65.3	45 800b	63.5	66.3	44 000b							20.0
22.0	32.6	59.3	35 300*	40.0	61.5	39 900*	49.3	63.7	40 500	57.3	65.1	39 000b										22.0
24.0	19.9	55.0	31 900*	30.4	58.5	36 700*	41.6	61.6	36 300	50.5	63.6	34 900										24.0
26.0							32.4	58.9	32 800	43.0	61.7	31 600	56.9	64.1	29 500b							26.0
28.0							19.7	54.6	29 800	34.2	59.1	28 700	50.1	62.6	26 800							28.0
30.0										22.5	55.2	26 300	42.6	60.6	24 600							30.0
32.0													33.6	58.0	22 600	49.4	61.1	21 000				32.0
34.0													21.6	54.0	20 900	41.7	59.1	19 400				34.0
36.0																32.6	56.4	18 000	48.1	59.3	16 600	36.0
38.0																19.9	52.1	16 700	40.3	57.1	15 500	38.0
40.0																			30.8	54.2	14 400	40.0
42.0																			16.9	49.4	13 400	42.0

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

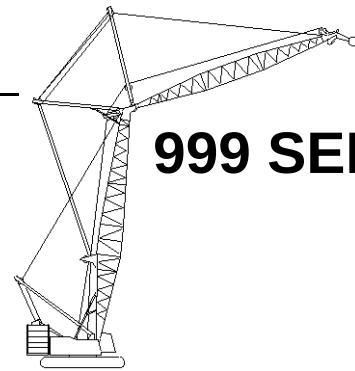
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	66.9	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	49 300*b													18.0
20.0	49.3	66.4	37 900*	54.1	67.6	41 700*	60.8	68.9	45 400b	67.1	69.7	43 700b										20.0
22.0	42.7	64.4	33 600*	48.0	65.9	38 800*	55.2	67.6	40 300	61.8	68.7	38 700b										22.0
24.0	35.0	61.8	30 300*	41.2	63.8	36 100*	49.2	66.0	36 100	56.3	67.5	34 700										24.0
26.0	25.4	58.3	27 900*	33.3	61.1	32 600*	42.6	64.0	32 700	50.4	65.9	31 400	61.5	67.7	29 200b							26.0
28.0				23.0	57.2	29 700*	34.9	61.4	29 700	43.8	64.0	28 500	55.9	66.5	26 500							28.0
30.0							25.2	57.8	27 200	36.4	61.5	26 100	50.0	64.9	24 300							30.0
32.0							7.6	50.6	25 000	27.2	58.2	24 000	43.4	62.9	22 400	55.3	65.0	20 700				32.0
34.0													35.9	60.5	20 700	49.3	63.4	19 100				34.0
36.0													26.6	57.0	19 200	42.7	61.5	17 800				36.0
38.0													11.4	50.9	17 800	35.0	58.9	16 500	48.2	61.6	15 200	38.0
40.0																25.4	55.3	15 400	41.5	59.5	14 100	40.0
42.0																			33.6	56.8	13 200	42.0
44.0																			23.4	53.0	12 400	44.0



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**

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



999 SERIES 3

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	44 400b													20.0
22.0	49.3	68.7	32 700*	53.6	69.9	37 900*	59.6	71.2	40 400	65.2	72.1	38 600b										22.0
24.0	43.4	66.7	29 200*	48.1	68.2	35 300*	54.6	69.9	36 000	60.5	71.1	34 600										24.0
26.0	36.8	64.3	26 400*	42.1	66.2	31 900*	49.2	68.3	32 600	55.5	69.8	31 200										26.0
28.0	28.9	61.1	24 300*	35.3	63.6	28 600*	43.3	66.3	29 600	50.2	68.2	28 400	60.2	70.1	26 400							28.0
30.0	18.1	56.3	22 900*	27.1	60.2	26 200*	36.7	63.9	27 100	44.4	66.3	26 100	55.2	68.8	24 200							30.0
32.0				15.0	54.8	24 400*	28.8	60.7	25 000	38.0	64.0	23 900	49.9	67.2	22 200							32.0
34.0							17.9	55.8	23 100	30.4	60.9	22 200	44.1	65.3	20 600	54.6	67.4	19 000				34.0
36.0										20.3	56.5	20 500	37.6	62.9	19 100	49.3	65.7	17 600				36.0
38.0													29.9	59.8	17 700	43.4	63.8	16 400				38.0
40.0													19.6	55.3	16 600	36.8	61.3	15 300	48.3	63.9	14 000	40.0
42.0																29.0	58.1	14 300	42.4	61.8	13 100	42.0
44.0																18.1	53.4	13 300	35.6	59.3	12 200	44.0
46.0																			27.4	55.9	11 500	46.0
48.0																			15.6	50.6	10 700	48.0

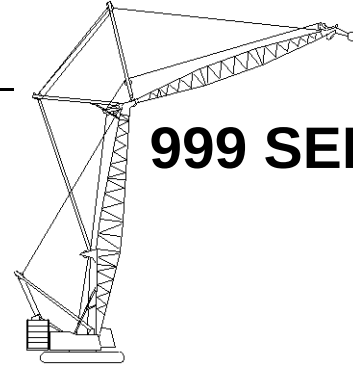


Liftcrane Luffing Jib Capacities

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

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



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

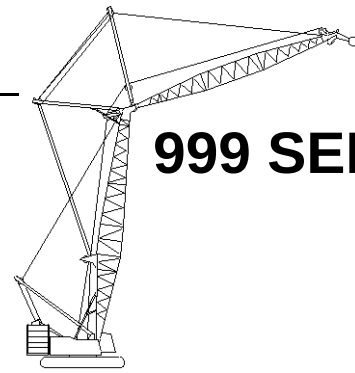
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	71.8	77.0	41 500*b																			13.7
14.0	71.2	76.9	41 200*b																			14.0
16.0	67.2	76.1	39 500*b	70.4	76.6	46 000*b																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	43 100*													20.0
22.0	54.1	72.6	31 700*	57.7	73.6	36 900*	62.9	74.7	39 800													22.0
24.0	49.2	71.0	28 500*	53.1	72.2	34 400*	58.6	73.6	35 900	63.7	74.5	34 300										24.0
26.0	44.0	69.0	25 600*	48.2	70.5	31 100*	54.0	72.2	32 400	59.4	73.4	31 000										26.0
28.0	38.2	66.7	23 300*	42.9	68.5	28 100*	49.2	70.6	29 500	54.9	72.1	28 200										28.0
30.0	31.5	63.7	21 300*	36.9	66.0	25 300*	43.9	68.6	27 000	50.1	70.5	25 800	59.1	72.4	23 900							30.0
32.0	23.1	59.7	19 900*	30.0	62.9	23 200*	38.1	66.3	24 800	44.9	68.6	23 800	54.6	71.1	22 000							32.0
34.0				21.0	58.6	21 600*	31.4	63.3	22 900	39.2	66.4	21 900	49.8	69.5	20 300							34.0
36.0							22.9	59.3	21 300	32.7	63.5	20 400	44.6	67.6	18 800	54.1	69.7	17 300				36.0
38.0							8.2	51.7	19 600	24.7	59.8	19 000	38.9	65.3	17 500	49.2	68.0	16 100				38.0
40.0													32.3	62.4	16 300	44.0	66.1	15 000				40.0
42.0													24.1	58.6	15 300	38.2	63.8	14 000	48.4	66.2	12 800	42.0
44.0													11.2	52.0	14 300	31.5	60.8	13 100	43.1	64.2	12 000	44.0
46.0																23.1	56.8	12 300	37.1	61.7	11 200	46.0
48.0																			30.2	58.6	10 500	48.0
50.0																			21.3	54.4	9 900	50.0



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**

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



999 SERIES 3

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

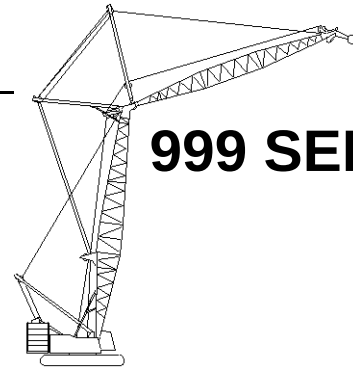


Liftcrane Luffing Jib Capacities

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**

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



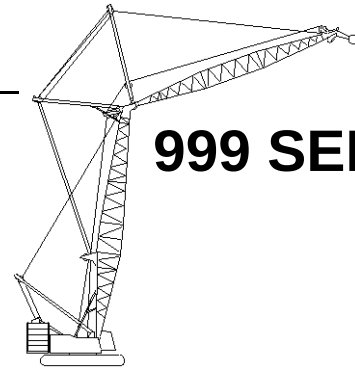
45.7m (150 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
13.7	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	37 900*													22.0
24.0	57.1	78.7	27 000*	60.0	79.5	32 600*	64.3	80.6	35 400													24.0
26.0	53.3	77.2	24 500*	56.3	78.3	29 800*	60.7	79.5	32 100	64.9	80.4	30 700										26.0
28.0	49.2	75.6	22 300*	52.5	76.8	27 000*	57.1	78.3	29 200	61.4	79.3	27 900										28.0
30.0	44.9	73.7	20 300*	48.3	75.1	24 500*	53.2	76.8	26 700	57.7	78.1	25 500										30.0
32.0	40.2	71.5	18 500*	44.0	73.2	22 400*	49.1	75.2	24 600	53.9	76.7	23 500	61.2	78.3	21 600							32.0
34.0	35.0	68.8	17 000*	39.2	70.8	20 500*	44.8	73.3	22 800	49.9	75.1	21 700	57.5	77.1	20 000							34.0
36.0	29.0	65.5	15 800*	33.8	68.1	18 700*	40.1	71.0	21 100	45.6	73.3	20 100	53.7	75.7	18 500							36.0
38.0	21.4	61.1	15 000*	27.6	64.6	17 300*	34.9	68.4	19 700	41.0	71.1	18 700	49.7	74.1	17 200							38.0
40.0				19.5	59.9	16 400*	28.9	65.1	18 400	35.9	68.5	17 500	45.4	72.2	16 100	53.3	74.3	14 700				40.0
42.0							21.3	60.7	17 100	30.0	65.4	16 400	40.7	70.0	15 000	49.2	72.6	13 700				42.0
44.0							8.6	52.9	15 500	22.8	61.2	15 300	35.6	67.4	14 100	44.9	70.7	12 800				44.0
46.0													29.7	64.2	13 200	40.2	68.5	12 000	48.5	70.8	10 900	46.0
48.0													22.3	60.0	12 400	35.0	65.9	11 300	44.1	68.8	10 200	48.0
50.0													11.0	53.1	11 700	29.0	62.6	10 600	39.4	66.5	9 600	50.0
52.0																21.4	58.2	10 000	34.0	63.8	9 000	52.0
54.0																			27.8	60.4	8 500	54.0
56.0																			19.9	55.7	8 000	56.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	73.8	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	36 700*													22.0
24.0	59.9	82.2	26 500*	62.6	83.0	31 700*	66.4	83.9	34 600*													24.0
26.0	56.5	81.0	24 100*	59.2	81.9	29 100*	63.2	83.0	31 900	67.0	83.7	30 500										26.0
28.0	52.9	79.5	21 900*	55.8	80.6	26 700*	59.9	81.9	29 000	63.8	82.8	27 700										28.0
30.0	49.2	77.9	20 100*	52.2	79.1	24 300*	56.5	80.6	26 600	60.5	81.7	25 400										30.0
32.0	45.2	76.0	18 300*	48.4	77.4	22 200*	52.9	79.1	24 400	57.1	80.4	23 300										32.0
34.0	40.9	73.8	16 800*	44.4	75.5	20 300*	49.1	77.5	22 600	53.5	79.0	21 500	60.3	80.7	19 800							34.0
36.0	36.2	71.3	15 500*	40.0	73.2	18 600*	45.2	75.6	21 000	49.8	77.4	20 000	56.9	79.4	18 300							36.0
38.0	30.9	68.2	14 400*	35.2	70.6	17 100*	40.9	73.4	19 500	45.9	75.6	18 600	53.3	78.0	17 100							38.0
40.0	24.6	64.3	13 600*	29.7	67.4	15 900*	36.2	70.8	18 200	41.7	73.4	17 300	49.6	76.4	15 900	56.5	78.0	14 500				40.0
42.0	16.0	58.7	13 100*	23.1	63.2	14 900*	30.8	67.8	17 100	37.1	71.0	16 200	45.6	74.5	14 900	52.9	76.6	13 500				42.0
44.0				13.6	57.0	14 300*	24.5	63.8	16 000	31.9	68.0	15 200	41.4	72.4	13 900	49.2	74.9	12 600	52.3	74.8	10 700	44.0
46.0							15.9	58.2	14 900	25.7	64.2	14 300	36.8	69.9	13 100	45.2	73.1	11 900	48.5	73.1	10 000	46.0
48.0										17.7	59.1	13 400	31.5	66.9	12 300	40.9	70.9	11 100	44.5	71.1	9 400	48.0
50.0													25.3	63.1	11 600	36.2	68.3	10 500	40.2	68.9	8 800	50.0
52.0													17.1	57.8	10 900	30.9	65.2	9 800	23.4	59.0	7 400	52.0
54.0																24.6	61.3	9 300	14.1	52.9	6 900	54.0
56.0																16.0	55.8	8 700				56.0
58.0																						58.0
60.0																						60.0

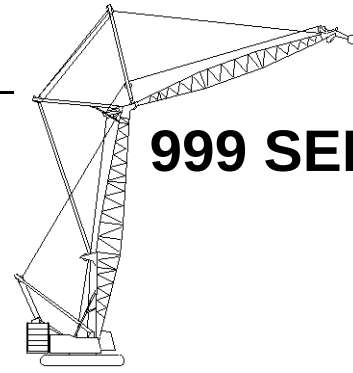


Liftcrane Luffing Jib Capacities

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**

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



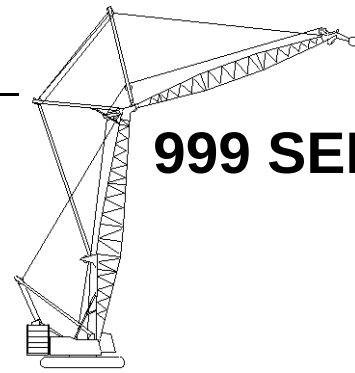
45.7m (150 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.0	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	33 300*													24.0
26.0	59.2	84.6	23 400*	61.7	85.4	28 200*	65.2	86.4	31 500													26.0
28.0	56.0	83.3	21 400*	58.5	84.2	25 900*	62.2	85.4	28 800	65.8	86.1	27 500										28.0
30.0	52.7	81.8	19 600*	55.3	82.9	23 800*	59.1	84.2	26 300	62.8	85.2	25 100										30.0
32.0	49.2	80.2	18 000*	52.0	81.4	21 900*	55.9	82.9	24 200	59.7	84.0	23 100										32.0
34.0	45.5	78.3	16 500*	48.4	79.7	20 000*	52.6	81.4	22 400	56.5	82.8	21 300										34.0
36.0	41.6	76.2	15 200*	44.7	77.8	18 400*	49.1	79.8	20 700	53.2	81.3	19 700	59.5	83.0	18 100							36.0
38.0	37.3	73.7	14 100*	40.7	75.6	16 900*	45.4	77.9	19 300	49.8	79.7	18 300	56.3	81.8	16 800							38.0
40.0	32.5	70.8	13 100*	36.3	73.0	15 600*	41.5	75.8	18 000	46.1	77.9	17 100	53.0	80.3	15 700							40.0
42.0	27.0	67.2	12 400*	31.5	70.0	14 500*	37.2	73.3	16 800	42.2	75.8	16 000	49.6	78.7	14 600	56.0	80.4	13 200				42.0
44.0	20.2	62.5	11 800*	25.8	66.2	13 600*	32.4	70.3	15 800	38.0	73.4	15 000	45.9	76.8	13 700	52.7	78.9	12 400				44.0
46.0				18.5	61.2	12 900*	26.9	66.8	14 800	33.4	70.5	14 100	42.0	74.7	12 800	49.2	77.2	11 600				46.0
48.0							20.0	62.0	14 000	28.0	67.1	13 300	37.8	72.3	12 100	45.5	75.4	10 900				48.0
50.0							8.9	54.0	12 400	21.4	62.6	12 500	33.1	69.4	11 300	41.6	73.2	10 200	48.6	75.4	9 100	50.0
52.0													27.7	65.9	10 700	37.3	70.7	9 600	44.8	73.4	8 600	52.0
54.0													21.0	61.4	10 000	32.5	67.8	9 000	40.9	71.2	8 000	54.0
56.0													10.9	54.1	9 500	27.0	64.2	8 500	36.5	68.7	7 600	56.0
58.0																20.2	59.5	8 000	31.6	65.7	7 100	58.0
60.0																			26.0	62.0	6 700	60.0
62.0																			18.8	57.0	6 300	62.0
64.0																			5.2	47.1	5 800	64.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	30 700*													26.0
28.0	58.5	86.9	20 900*	60.9	87.8	25 200*	64.2	88.8	28 800													28.0
30.0	55.5	85.6	19 200*	57.9	86.6	23 300*	61.4	87.7	26 300	64.7	88.6	25 000										30.0
32.0	52.4	84.1	17 600*	54.9	85.2	21 500*	58.5	86.6	24 200	61.9	87.5	23 000										32.0
34.0	49.2	82.5	16 300*	51.8	83.7	19 700*	55.5	85.2	22 300	59.0	86.4	21 200										34.0
36.0	45.7	80.6	15 000*	48.5	82.0	18 200*	52.4	83.8	20 700	56.0	85.1	19 700										36.0
38.0	42.1	78.5	13 900*	45.0	80.1	16 800*	49.1	82.1	19 300	52.9	83.6	18 300	58.9	85.4	16 700							38.0
40.0	38.2	76.1	12 900*	41.3	77.9	15 500*	45.7	80.2	18 000	49.7	82.0	17 100	55.9	84.1	15 600							40.0
42.0	33.8	73.3	12 000*	37.3	75.4	14 300*	42.0	78.1	16 800	46.3	80.2	16 000	52.8	82.6	14 500							42.0
44.0	29.0	69.9	11 300*	32.9	72.5	13 300*	38.1	75.7	15 700	42.7	78.1	14 900	49.5	81.0	13 600	55.5	82.7	12 300				44.0
46.0	23.1	65.8	10 800*	27.9	69.1	12 500*	33.8	72.9	14 800	38.8	75.8	14 000	46.1	79.1	12 800	52.4	81.2	11 500				46.0
48.0	15.3	59.9	10 400*	21.8	64.6	11 800*	28.9	69.5	13 900	34.6	73.0	13 200	42.5	77.1	12 000	49.2	79.5	10 800				48.0
50.0				13.2	58.1	11 500*	23.1	65.3	13 100	29.8	69.8	12 400	38.6	74.7	11 300	45.7	77.7	10 100				50.0
52.0							15.2	59.4	12 300	24.2	65.8	11 700	34.3	71.9	10 600	42.1	75.6	9 500	48.6	77.7	8 500	52.0
54.0										16.9	60.3	11 100	29.5	68.7	10 000	38.2	73.1	9 000	45.1	75.8	8 000	54.0
56.0													23.8	64.6	9 400	33.8	70.3	8 400	41.4	73.6	7 500	56.0
58.0													16.4	59.0	8 900	29.0	67.0	8 000	37.5	71.1	7 100	58.0
60.0																23.1	62.8	7 500	33.1	68.2	6 600	60.0
62.0																15.3	56.9	7 100	28.1	64.8	6 200	62.0
64.0																			22.0	60.4	5 800	64.0
66.0																			13.6	54.0	5 500	66.0

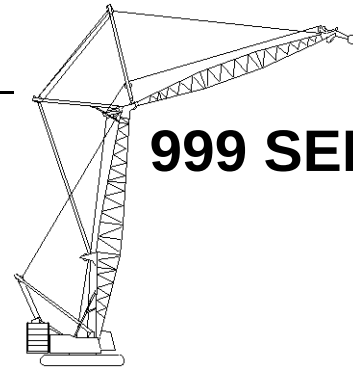


Liftcrane Luffing Jib Capacities

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**

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



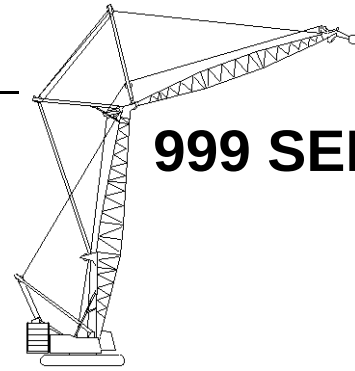
45.7m (150 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

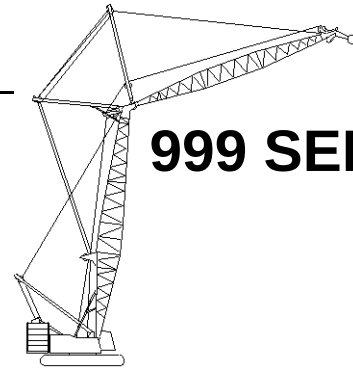


Liftcrane Luffing Jib Capacities

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**

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



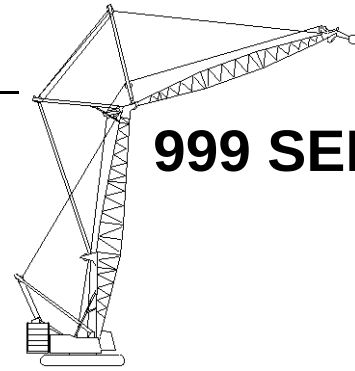
45.7m (150 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

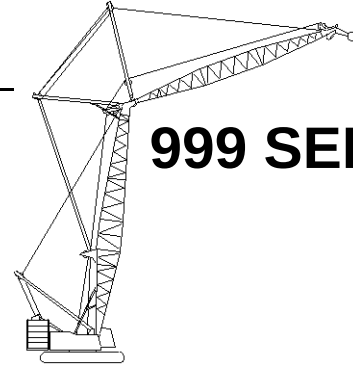


Liftcrane Luffing Jib Capacities

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**

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



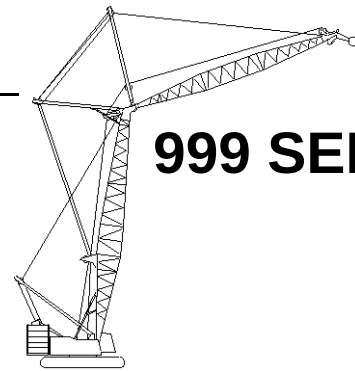
45.7m (150 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.1	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	18 900*	67.3	103.5	19 800										34.0
36.0	58.5	99.9	13 600*	60.2	100.8	16 300*	62.8	101.8	18 900*	65.3	102.6	18 800										36.0
38.0	56.2	98.6	12 700*	58.0	99.6	15 400*	60.6	100.7	18 300	63.2	101.6	17 300										38.0
40.0	53.9	97.2	12 000*	55.8	98.2	14 500*	58.5	99.5	17 100	61.0	100.5	16 100										40.0
42.0	51.6	95.7	11 200*	53.5	96.8	13 600*	56.2	98.2	15 900	58.9	99.4	15 000										42.0
44.0	49.1	94.0	10 500*	51.1	95.2	12 700*	53.9	96.8	14 900	56.6	98.1	14 000	60.9	99.5	12 600							44.0
46.0	46.6	92.2	9 800*	48.6	93.5	11 900*	51.5	95.3	14 000	54.3	96.7	13 100	58.7	98.4	11 700							46.0
48.0	43.9	90.1	9 200*	46.0	91.6	11 200*	49.1	93.6	13 100	52.0	95.2	12 300	56.5	97.1	11 000							48.0
50.0	41.1	87.9	8 700*	43.3	89.6	10 500*	46.5	91.8	12 300	49.5	93.5	11 500	54.2	95.7	10 300							50.0
52.0	38.1	85.5	8 200*	40.5	87.3	9 800*	43.9	89.7	11 600	47.0	91.7	10 900	51.8	94.2	9 600	56.3	95.7	8 500				52.0
54.0	34.9	82.7	7 700*	37.5	84.8	9 300*	41.1	87.5	10 900	44.4	89.7	10 200	49.4	92.5	9 100	53.9	94.3	7 900				54.0
56.0	31.5	79.6	7 300*	34.3	82.0	8 800*	38.1	85.1	10 300	41.6	87.6	9 600	46.8	90.7	8 500	51.6	92.7	7 400				56.0
58.0	27.6	76.1	7 000*	30.7	78.9	8 300*	34.9	82.3	9 700*	38.6	85.1	9 100	44.2	88.7	8 000	49.1	91.0	7 000				58.0
60.0	23.2	71.8	6 700*	26.8	75.2	7 900*	31.4	79.2	9 100*	35.5	82.5	8 600	41.4	86.5	7 500	46.6	89.2	6 500	51.2	90.9	5 500	60.0
62.0	17.7	66.3	6 600*	22.2	70.7	7 500*	27.6	75.6	8 600*	32.1	79.4	8 100	38.5	84.1	7 100	43.9	87.2	6 100	48.7	89.2	5 200	62.0
64.0	9.5	57.8	5 700*	16.4	64.8	7 000*	23.1	71.3	8 100*	28.3	75.9	7 700	35.3	81.4	6 700	41.1	85.0	5 800	46.1	87.3	4 800	64.0
66.0							17.6	65.8	7 500*	24.0	71.8	7 200	31.9	78.3	6 300	38.1	82.5	5 400	43.4	85.3	4 500	66.0
68.0							9.3	57.2	6 100*	18.7	66.6	6 800	28.1	74.8	6 000	34.9	79.8	5 100	40.6	83.0	4 200	68.0
70.0										11.3	58.9	6 400	23.7	70.6	5 600	31.5	76.7	4 700	37.6	80.5	3 900	70.0
72.0													18.4	65.3	5 200	27.6	73.1	4 400	34.4	77.7	3 600	72.0
74.0													10.7	57.4	4 900	23.2	68.8	4 200	30.9	74.6	3 400	74.0
76.0																17.7	63.4	3 900	26.9	70.9	3 100	76.0
78.0																			22.3	66.4	2 900	78.0
80.0																			16.6	60.7	2 700	80.0
82.0																			7.2	50.9	2 400	82.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.9	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	17 100*	66.5	105.9	18 000*										36.0
38.0	58.1	102.3	12 400*	59.7	103.1	14 900*	62.2	104.2	17 000*	64.5	105.0	17 200										38.0
40.0	55.9	100.9	11 700*	57.6	101.9	14 100*	60.1	103.1	16 800	62.5	104.0	15 900										40.0
42.0	53.7	99.5	11 000*	55.5	100.6	13 200*	58.0	101.9	15 800	60.5	102.9	14 800										42.0
44.0	51.5	98.0	10 300*	53.3	99.1	12 500*	55.9	100.6	14 700	58.4	101.7	13 800										44.0
46.0	49.1	96.3	9 700*	51.0	97.5	11 700*	53.7	99.1	13 800	56.3	100.4	12 900	60.4	101.9	11 500							46.0
48.0	46.7	94.5	9 100*	48.6	95.8	11 000*	51.4	97.6	12 900	54.1	99.0	12 100	58.3	100.7	10 800							48.0
50.0	44.2	92.5	8 600*	46.2	94.0	10 400*	49.1	95.9	12 200	51.8	97.5	11 400	56.2	99.4	10 100							50.0
52.0	41.5	90.3	8 100*	43.6	91.9	9 700*	46.7	94.1	11 400	49.5	95.8	10 700	54.0	98.0	9 500							52.0
54.0	38.7	87.9	7 600*	40.9	89.7	9 200*	44.1	92.1	10 800	47.1	94.0	10 000	51.7	96.5	8 900	55.9	98.0	7 700				54.0
56.0	35.7	85.2	7 200*	38.1	87.2	8 700*	41.5	89.9	10 100*	44.6	92.0	9 500	49.4	94.8	8 400	53.7	96.6	7 300				56.0
58.0	32.5	82.2	6 800*	35.1	84.5	8 200*	38.7	87.5	9 500*	42.0	89.9	8 900	47.0	93.0	7 800	51.5	95.0	6 800				58.0
60.0	29.0	78.8	6 500*	31.8	81.4	7 800*	35.7	84.8	8 900*	39.2	87.5	8 400	44.4	91.0	7 400	49.1	93.3	6 400				60.0
62.0	25.0	74.8	6 300*	28.2	77.9	7 400*	32.5	81.8	8 400*	36.2	84.9	7 900	41.8	88.8	6 900	46.7	91.5	5 900	51.1	93.2	5 000	62.0
64.0	20.2	69.9	6 100*	24.1	73.8	7 100*	28.9	78.4	7 900*	33.1	82.0	7 500	39.0	86.5	6 500	44.2	89.5	5 600	48.7	91.5	4 600	64.0
66.0	14.0	63.3	5 600*	19.1	68.6	6 700*	24.9	74.4	7 400*	29.6	78.6	7 100	36.1	83.8	6 100	41.5	87.3	5 200	46.3	89.6	4 300	66.0
68.0				12.4	61.4	5 500*	20.2	69.5	6 900*	25.7	74.8	6 700	32.9	80.9	5 800	38.7	84.9	4 900	43.7	87.6	4 000	68.0
70.0							13.9	62.8	6 000*	21.1	70.1	6 300	29.4	77.5	5 400	35.7	82.3	4 600	41.0	85.4	3 700	70.0
72.0										15.2	63.8	5 900	25.4	73.6	5 100	32.5	79.3	4 300	38.2	82.9	3 400	72.0
74.0													20.8	68.8	4 800	29.0	75.9	4 000	35.2	80.2	3 200	74.0
76.0													14.8	62.5	4 500	25.0	71.9	3 700	31.9	77.1	3 000	76.0
78.0																20.2	67.0	3 500	28.3	73.7	2 700	78.0
80.0																14.0	60.3	3 200	24.2	69.5	2 500	80.0
82.0																			19.3	64.4	2 300	82.0
84.0																			12.7	57.3	2 100	84.0

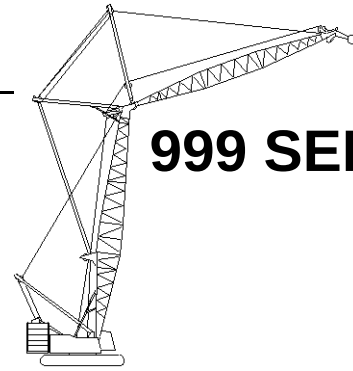


Liftcrane Luffing Jib Capacities

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

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



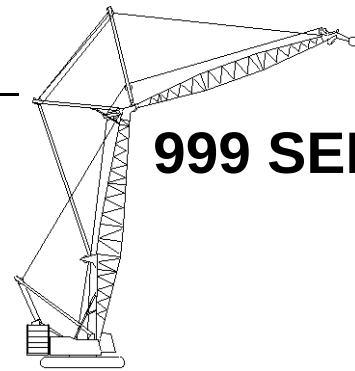
45.7m (150 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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	16 300*							38.0
40.0	57.7	104.6	11 300*	59.3	105.5	13 600*	61.6	106.6	15 300*	63.9	107.4	15 800							40.0
42.0	55.6	103.3	10 700*	57.3	104.2	12 900*	59.6	105.4	15 200*	62.0	106.4	14 600							42.0
44.0	53.5	101.8	10 100*	55.2	102.9	12 200*	57.6	104.2	14 500	60.0	105.3	13 600							44.0
46.0	51.3	100.3	9 500*	53.1	101.4	11 500*	55.6	102.9	13 600	58.0	104.1	12 700	61.9	105.4	11 300				46.0
48.0	49.1	98.6	8 900*	50.9	99.8	10 800*	53.5	101.4	12 700	56.0	102.7	11 900	59.9	104.3	10 600				48.0
50.0	46.8	96.8	8 400*	48.6	98.1	10 200*	51.3	99.9	11 900	53.9	101.3	11 200	57.9	103.1	9 900				50.0
52.0	44.4	94.8	7 900*	46.3	96.3	9 600*	49.1	98.2	11 200*	51.7	99.8	10 500	55.8	101.7	9 200				52.0
54.0	41.9	92.6	7 500*	43.9	94.2	9 100*	46.8	96.4	10 500*	49.5	98.1	9 900	53.7	100.3	8 600				54.0
56.0	39.2	90.3	7 100*	41.3	92.0	8 600*	44.4	94.4	9 800*	47.2	96.3	9 300	51.6	98.8	8 100	55.6	100.3	7 000	56.0
58.0	36.4	87.6	6 700*	38.7	89.6	8 100*	41.8	92.2	9 200*	44.8	94.4	8 700	49.4	97.1	7 600	53.5	98.9	6 500	58.0
60.0	33.4	84.7	6 400*	35.8	87.0	7 700*	39.2	89.8	8 600*	42.3	92.2	8 200	47.0	95.3	7 100	51.3	97.3	6 100	60.0
62.0	30.1	81.5	6 100*	32.8	84.0	7 300*	36.4	87.2	8 100*	39.7	89.9	7 700	44.7	93.3	6 700	49.1	95.6	5 700	62.0
64.0	26.5	77.7	5 800*	29.4	80.6	6 900*	33.4	84.3	7 600*	36.9	87.3	7 300	42.1	91.2	6 300	46.8	93.8	5 300	64.0
66.0	22.3	73.2	5 700*	25.7	76.8	6 600*	30.1	81.0	7 100*	33.9	84.5	6 900	39.5	88.8	5 900	44.4	91.8	5 000	66.0
68.0	17.1	67.5	5 200*	21.3	72.1	5 900*	26.4	77.3	6 700*	30.7	81.3	6 500	36.7	86.3	5 500	41.9	89.7	4 600	68.0
70.0	9.5	58.9	4 100*	15.9	66.0	5 200*	22.2	72.8	6 200*	27.1	77.6	6 100	33.7	83.4	5 200	39.2	87.3	4 300	70.0
72.0							17.1	67.1	5 600*	23.0	73.3	5 700	30.5	80.2	4 900	36.4	84.7	4 000	72.0
74.0							9.4	58.3	4 500*	18.1	67.8	5 400	26.9	76.5	4 600	33.4	81.8	3 700	74.0
76.0										11.2	60.0	5 000	22.8	72.1	4 300	30.1	78.5	3 500	76.0
78.0													17.8	66.5	4 000	26.5	74.8	3 200	78.0
80.0													10.6	58.4	3 700	22.3	70.3	3 000	80.0
82.0																17.1	64.6	2 800	82.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	14 600*	65.1	110.8	15 600							40.0
42.0	57.3	106.9	9 800*	58.8	107.8	11 800*	61.1	109.0	14 500*	63.3	109.8	14 500							42.0
44.0	55.3	105.6	9 300*	56.9	106.6	11 200*	59.2	107.8	14 100*	61.4	108.8	13 500							44.0
46.0	53.3	104.1	8 700*	54.9	105.2	10 600*	57.3	106.5	13 500	59.6	107.6	12 600							46.0
48.0	51.2	102.6	8 300*	52.9	103.7	10 000*	55.3	105.2	12 600	57.6	106.4	11 800	61.3	107.8	10 400				48.0
50.0	49.1	100.9	7 800*	50.8	102.1	9 400*	53.3	103.7	11 800	55.7	105.1	11 000	59.4	106.6	9 700				50.0
52.0	46.9	99.1	7 400*	48.7	100.4	8 900*	51.2	102.2	11 000*	53.7	103.6	10 300	57.5	105.4	9 100				52.0
54.0	44.6	97.1	6 900*	46.4	98.6	8 400*	49.1	100.5	10 300*	51.6	102.1	9 700	55.6	104.1	8 500				54.0
56.0	42.2	95.0	6 500*	44.1	96.6	7 900*	46.9	98.7	9 600*	49.5	100.4	9 100	53.5	102.6	8 000				56.0
58.0	39.7	92.6	6 200*	41.7	94.4	7 500*	44.6	96.7	9 000*	47.3	98.6	8 600	51.5	101.1	7 500	55.3	102.7	6 400	58.0
60.0	37.0	90.1	5 900*	39.2	92.0	7 100*	42.2	94.6	8 500*	45.0	96.7	8 100	49.3	99.4	7 000	53.3	101.2	6 000	60.0
62.0	34.2	87.2	5 700*	36.5	89.4	6 800*	39.7	92.2	7 900*	42.6	94.6	7 600	47.1	97.6	6 600	51.2	99.6	5 600	62.0
64.0	31.2	84.1	5 400*	33.6	86.5	6 400*	37.0	89.7	7 400*	40.1	92.3	7 200	44.8	95.6	6 200	49.1	97.9	5 200	64.0
66.0	27.8	80.5	5 200*	30.5	83.3	6 100*	34.2	86.8	7 000*	37.5	89.7	6 700	42.5	93.5	5 800	46.9	96.1	4 800	66.0
68.0	24.0	76.3	5 000*	27.1	79.6	5 900*	31.1	83.7	6 500*	34.7	87.0	6 400	40.0	91.2	5 400	44.6	94.2	4 500	68.0
70.0	19.5	71.2	4 900*	23.2	75.3	5 600*	27.8	80.1	6 000*	31.7	83.9	6 000	37.3	88.7	5 100	42.2	92.0	4 200	70.0
72.0	13.7	64.4	4 000*	18.5	69.9	4 900*	24.0	75.9	5 600*	28.4	80.4	5 600	34.5	85.9	4 700	39.7	89.7	3 900	72.0
74.0				12.2	62.5	3 900*	19.5	70.8	5 200*	24.7	76.3	5 300	31.5	82.8	4 500	37.0	87.1	3 600	74.0
76.0							13.6	63.9	4 400*	20.4	71.4	5 000	28.2	79.2	4 200	34.2	84.3	3 400	76.0
78.0										14.9	65.0	4 600	24.4	75.1	3 900	31.2	81.1	3 100	78.0
80.0													20.1	70.2	3 600	27.8	77.6	2 900	80.0
82.0													14.5	63.6	3 400	24.0	73.4	2 600	82.0
84.0																19.5	68.3	2 400	84.0
86.0																13.7	61.5	2 200	86.0

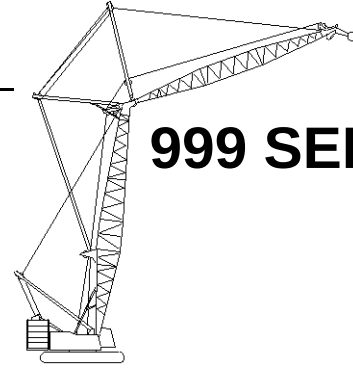


Liftcrane Luffing Jib Capacities

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

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



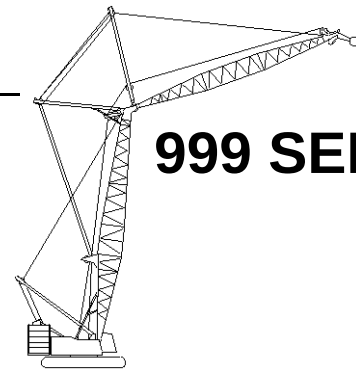
45.7m (150 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	13 300*	66.2	114.2	14 300*				40.0
42.0	58.8	110.5	9 500*	60.3	111.4	11 300*	62.4	112.4	13 200*	64.5	113.2	14 100				42.0
44.0	57.0	109.3	9 000*	58.5	110.2	10 800*	60.6	111.3	13 100*	62.7	112.2	13 300				44.0
46.0	55.1	107.9	8 500*	56.6	108.9	10 200*	58.8	110.2	12 900*	61.0	111.2	12 300				46.0
48.0	53.1	106.4	8 000*	54.7	107.5	9 700*	57.0	108.9	12 300*	59.1	110.0	11 500				48.0
50.0	51.1	104.9	7 600*	52.7	106.0	9 200*	55.1	107.5	11 500*	57.3	108.7	10 800	60.8	110.2	9 500	50.0
52.0	49.1	103.2	7 200*	50.7	104.4	8 700*	53.1	106.1	10 700*	55.4	107.4	10 100	59.0	109.0	8 800	52.0
54.0	47.0	101.4	6 800*	48.7	102.7	8 200*	51.1	104.5	10 000*	53.5	105.9	9 500	57.2	107.7	8 300	54.0
56.0	44.8	99.4	6 400*	46.5	100.9	7 800*	49.1	102.8	9 400*	51.5	104.4	8 900	55.3	106.4	7 700	56.0
58.0	42.5	97.3	6 100*	44.3	98.9	7 400*	47.0	101.0	8 800*	49.4	102.7	8 400	53.4	104.9	7 200	58.0
60.0	40.1	95.0	5 800*	42.0	96.7	7 000*	44.8	99.0	8 200*	47.3	100.9	7 800	51.4	103.4	6 800	60.0
62.0	37.6	92.5	5 500*	39.6	94.4	6 700*	42.5	96.9	7 700*	45.2	99.0	7 400	49.3	101.7	6 400	62.0
64.0	34.9	89.7	5 300*	37.1	91.8	6 300*	40.1	94.6	7 200*	42.9	96.9	6 900	47.2	99.9	5 900	64.0
66.0	32.1	86.7	5 000*	34.4	89.0	6 000*	37.6	92.1	6 700*	40.5	94.6	6 500	45.0	97.9	5 500	66.0
68.0	29.0	83.2	4 800*	31.5	85.9	5 700*	34.9	89.3	6 200*	38.0	92.2	6 200	42.8	95.8	5 200	68.0
70.0	25.5	79.3	4 600*	28.3	82.4	5 300*	32.0	86.2	5 800*	35.4	89.4	5 800	40.4	93.6	4 900	70.0
72.0	21.5	74.6	4 200*	24.7	78.3	4 900*	28.9	82.8	5 400*	32.6	86.4	5 400	37.9	91.1	4 600	72.0
74.0	16.7	68.7	3 700*	20.6	73.4	4 400*	25.4	78.9	5 000*	29.5	83.1	5 100	35.2	88.3	4 200	74.0
76.0	9.6	60.0	2 700*	15.5	67.2	3 700*	21.5	74.2	4 600*	26.1	79.2	4 800	32.4	85.3	4 000	76.0
78.0							16.6	68.3	4 100*	22.2	74.7	4 500*	29.3	81.9	3 700	78.0
80.0							9.5	59.4	3 100*	17.6	69.1	4 100*	25.9	78.1	3 400	80.0
82.0										11.1	61.1	3 600*	22.0	73.5	3 200	82.0
84.0													17.2	67.8	2 900	84.0
86.0													10.6	59.5	2 700	86.0

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**

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



999 SERIES 3

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*	55.6	68.5	46 400*b																18.0
20.0	42.1	65.2	37 800*	48.7	66.8	43 100*	57.3	68.6	45 500b	65.1	69.6	43 600b										20.0
22.0	33.1	62.5	34 200*	40.9	64.8	39 900*	50.6	67.0	40 300	59.0	68.5	38 600b										22.0
24.0	20.8	58.4	31 800*	31.5	61.9	36 000*	43.1	65.1	36 100	52.4	67.1	34 600										24.0
26.0							34.3	62.5	32 600	45.1	65.2	31 300	59.4	67.6	29 000b							26.0
28.0							22.6	58.6	29 700	36.7	62.8	28 400	52.9	66.2	26 400b							28.0
30.0										26.1	59.4	26 100	45.7	64.4	24 200							30.0
32.0										2.6	51.0	23 900	37.4	62.1	22 200	53.0	64.9	20 500				32.0
34.0													27.0	58.7	20 600	45.8	63.1	18 900				34.0
36.0																37.6	60.8	17 600				36.0
38.0																27.2	57.5	16 300	45.5	61.3	14 900	38.0
40.0																			37.1	59.0	13 900	40.0
42.0																			26.7	55.6	13 000	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	45 300b													20.0
22.0	43.0	67.6	32 500*	48.7	69.1	38 800*	56.3	70.9	40 100	63.2	72.0	38 400b										22.0
24.0	35.5	65.0	29 400*	42.0	67.1	35 200*	50.4	69.3	35 900	57.8	70.8	34 400										24.0
26.0	26.0	61.5	27 100*	34.2	64.5	31 700*	43.9	67.4	32 500	52.0	69.4	31 100										26.0
28.0				24.3	60.8	29 200*	36.4	65.0	29 600	45.6	67.5	28 300	58.2	69.9	26 100							28.0
30.0							27.3	61.6	27 100	38.5	65.3	25 900	52.4	68.5	23 900							30.0
32.0							13.0	55.9	24 900	29.9	62.2	23 800	46.1	66.7	22 000							32.0
34.0										17.8	57.5	22 000	39.0	64.5	20 300	52.5	67.2	18 700				34.0
36.0													30.6	61.5	18 900	46.2	65.4	17 300				36.0
38.0													18.9	57.0	17 500	39.2	63.2	16 100				38.0
40.0																30.8	60.2	15 000	45.9	63.6	13 600	40.0
42.0																19.2	55.7	14 000	38.8	61.4	12 700	42.0
44.0																			30.3	58.4	11 900	44.0

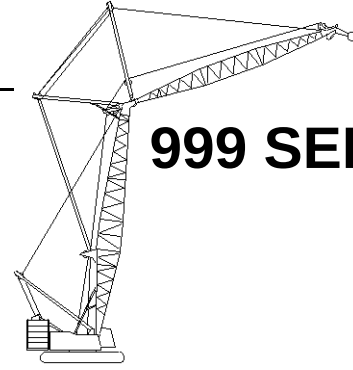


Liftcrane Luffing Jib Capacities

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

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



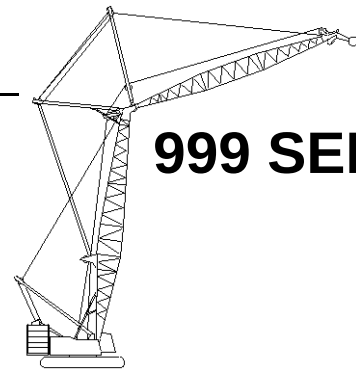
48.8m (160 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
13.7	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	44 200b													20.0
22.0	49.6	71.8	31 600*	54.1	73.1	37 800*	60.5	74.5	40 100	66.4	75.4	38 200b										22.0
24.0	43.7	69.9	28 300*	48.7	71.4	34 300*	55.5	73.2	35 800	61.7	74.4	34 200										24.0
26.0	37.2	67.5	25 700*	42.8	69.4	30 900*	50.2	71.6	32 400	56.8	73.1	30 900										26.0
28.0	29.4	64.3	23 600*	36.1	66.9	27 900*	44.5	69.7	29 500	51.6	71.7	28 100										28.0
30.0	18.8	59.7	22 300*	28.1	63.6	25 600*	38.0	67.4	27 000	46.0	69.9	25 800	57.2	72.3	23 800							30.0
32.0				16.7	58.6	24 000*	30.4	64.4	24 900	39.8	67.6	23 700	52.0	70.8	21 900							32.0
34.0							20.4	60.0	23 000	32.6	64.8	22 000	46.4	69.0	20 200							34.0
36.0										23.4	60.9	20 300	40.2	66.8	18 700	52.1	69.5	17 100				36.0
38.0										5.8	52.8	18 800	33.1	64.1	17 400	46.5	67.7	15 900				38.0
40.0													24.2	60.3	16 200	40.4	65.5	14 900	51.9	67.7	13 500	40.0
42.0																33.3	62.8	13 900	46.3	65.9	12 600	42.0
44.0																24.4	59.0	13 000	40.1	63.8	11 800	44.0
46.0																			32.9	61.0	11 000	46.0
48.0																			23.9	57.1	10 300	48.0

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

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



999 SERIES 3

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	42 800*b													20.0
22.0	54.3	75.7	30 500*	58.2	76.8	36 700*	63.7	78.0	39 800													22.0
24.0	49.5	74.1	27 500*	53.6	75.4	33 300*	59.4	76.8	35 600	64.8	77.8	34 000										24.0
26.0	44.3	72.2	24 900*	48.8	73.7	30 100*	54.9	75.5	32 100	60.5	76.7	30 700										26.0
28.0	38.5	69.9	22 600*	43.5	71.8	27 200*	50.1	73.9	29 200	56.1	75.5	27 900										28.0
30.0	31.9	67.0	20 800*	37.6	69.4	24 700*	44.9	72.1	26 800	51.4	74.0	25 500										30.0
32.0	23.6	63.0	19 500*	30.8	66.3	22 600*	39.3	69.8	24 700	46.3	72.2	23 500	56.4	74.6	21 600							32.0
34.0				22.1	62.2	21 100*	32.7	67.0	22 800	40.8	70.0	21 700	51.7	73.1	19 900							34.0
36.0							24.7	63.2	21 200	34.5	67.3	20 100	46.7	71.3	18 500							36.0
38.0							12.4	57.0	19 700	27.0	63.9	18 700	41.2	69.2	17 200	51.8	71.8	15 700				38.0
40.0													35.0	66.6	16 000	46.8	70.0	14 600				40.0
42.0													27.6	63.2	15 000	41.3	67.9	13 600				42.0
44.0													17.5	58.2	14 000	35.1	65.3	12 800	46.6	68.3	11 500	44.0
46.0																27.8	61.9	11 900	41.1	66.1	10 700	46.0
48.0																17.7	57.0	11 200	34.8	63.5	10 100	48.0
50.0																			27.4	60.1	9 500	50.0

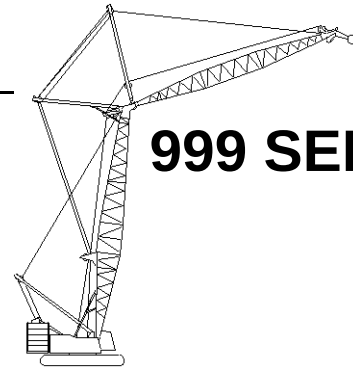


Liftcrane Luffing Jib Capacities

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

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



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

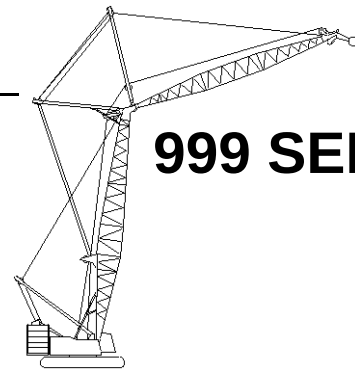
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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*b																			13.7
14.0	73.2	83.2	35 800*b																			14.0
16.0	69.5	82.5	34 800*b	72.6	83.0	42 500*b																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	41 400*													20.0
22.0	58.0	79.4	29 700*	61.4	80.3	35 600*	66.3	81.3	38 900													22.0
24.0	53.9	78.0	26 700*	57.4	79.1	32 400*	62.5	80.4	35 600													24.0
26.0	49.5	76.4	24 300*	53.2	77.7	29 400*	58.5	79.2	32 100	63.5	80.2	30 600										26.0
28.0	44.7	74.5	22 100*	48.8	76.0	26 700*	54.4	77.8	29 200	59.5	79.1	27 800										28.0
30.0	39.6	72.3	20 100*	44.0	74.1	24 300*	50.0	76.2	26 700	55.5	77.8	25 500										30.0
32.0	33.8	69.5	18 500*	38.8	71.8	22 100*	45.3	74.4	24 600	51.2	76.3	23 400	59.8	78.2	21 500							32.0
34.0	26.9	66.0	17 300*	32.8	68.9	20 300*	40.2	72.2	22 800	46.6	74.5	21 700	55.8	76.9	19 900							34.0
36.0	17.5	60.9	16 500*	25.7	65.3	18 800*	34.5	69.5	21 200	41.6	72.4	20 100	51.5	75.4	18 400							36.0
38.0				15.7	59.8	17 900*	27.8	66.1	19 700	36.1	69.8	18 700	46.9	73.6	17 200							38.0
40.0							18.9	61.3	18 300	29.7	66.6	17 500	42.0	71.5	16 000	51.6	74.1	14 500				40.0
42.0										21.5	62.3	16 400	36.5	69.0	15 000	47.0	72.3	13 600				42.0
44.0													30.1	65.9	14 000	42.1	70.3	12 700				44.0
46.0													22.2	61.7	13 200	36.6	67.8	11 900	46.8	70.6	10 700	46.0
48.0																30.3	64.6	11 200	41.8	68.5	10 000	48.0
50.0																22.4	60.5	10 500	36.3	65.9	9 400	50.0
52.0																			30.0	62.8	8 900	52.0
54.0																			22.0	58.6	8 300	54.0



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**

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



999 SERIES 3

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*b																			13.7
14.0	74.6	86.4	33 000*b																			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	37 500*													22.0
24.0	57.3	81.8	26 200*	60.4	82.7	31 500*	64.9	83.8	35 100													24.0
26.0	53.5	80.4	23 800*	56.7	81.5	28 800*	61.4	82.7	31 900	65.8	83.6	30 300										26.0
28.0	49.4	78.7	21 600*	52.9	80.0	26 200*	57.7	81.5	29 000	62.3	82.6	27 600										28.0
30.0	45.1	76.8	19 800*	48.8	78.3	23 900*	53.9	80.1	26 500	58.7	81.4	25 200										30.0
32.0	40.5	74.6	18 100*	44.4	76.4	21 800*	49.9	78.5	24 400	54.9	80.1	23 200	62.6	81.7	21 200							32.0
34.0	35.3	72.0	16 700*	39.7	74.2	20 000*	45.6	76.7	22 600	51.0	78.6	21 500	59.0	80.6	19 600							34.0
36.0	29.3	68.8	15 600*	34.4	71.4	18 400*	41.0	74.5	21 000	46.8	76.8	19 900	55.2	79.2	18 200							36.0
38.0	21.9	64.5	14 700*	28.3	68.1	17 100*	35.9	71.9	19 500	42.3	74.7	18 500	51.3	77.7	16 900							38.0
40.0				20.5	63.5	16 100*	30.1	68.8	18 200	37.3	72.2	17 300	47.1	75.9	15 800	55.3	77.9	14 200				40.0
42.0							22.9	64.7	17 100	31.7	69.3	16 200	42.6	73.9	14 700	51.3	76.4	13 300				42.0
44.0							12.1	58.1	16 000	24.9	65.5	15 200	37.7	71.5	13 800	47.2	74.6	12 500				44.0
46.0													32.1	68.5	12 900	42.7	72.6	11 600	51.2	74.6	10 400	46.0
48.0													25.5	64.8	12 200	37.8	70.2	10 900	47.0	72.9	9 700	48.0
50.0													16.4	59.4	11 400	32.2	67.2	10 300	42.5	70.8	9 200	50.0
52.0																25.6	63.5	9 700	37.5	68.4	8 600	52.0
54.0																16.7	58.2	9 100	31.9	65.4	8 100	54.0
56.0																			25.3	61.7	7 600	56.0

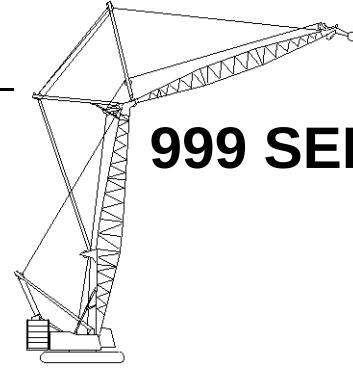


Liftcrane Luffing Jib Capacities

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**

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



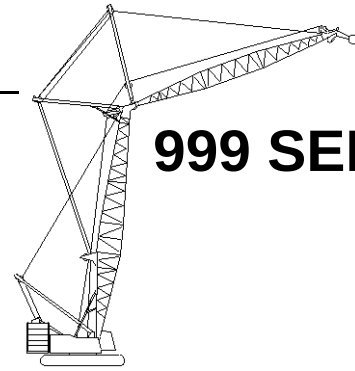
48.8m (160 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.0	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	34 300*													24.0
26.0	56.7	84.1	23 200*	59.6	85.1	28 000*	63.8	86.2	31 700	67.8	86.9	30 200										26.0
28.0	53.1	82.7	21 100*	56.2	83.8	25 600*	60.5	85.1	28 800	64.6	86.0	27 400										28.0
30.0	49.4	81.0	19 400*	52.6	82.3	23 500*	57.1	83.9	26 400	61.4	85.0	25 100										30.0
32.0	45.4	79.1	17 800*	48.8	80.6	21 500*	53.6	82.4	24 300	58.0	83.8	23 000										32.0
34.0	41.2	77.0	16 300*	44.8	78.7	19 700*	49.8	80.8	22 400	54.5	82.4	21 300	61.6	84.1	19 400							34.0
36.0	36.5	74.4	15 100*	40.5	76.5	18 200*	45.9	79.0	20 800	50.8	80.9	19 700	58.2	82.9	18 000							36.0
38.0	31.2	71.4	14 100*	35.7	73.9	16 700*	41.7	76.9	19 400	47.0	79.1	18 400	54.7	81.5	16 700							38.0
40.0	25.0	67.6	13 300*	30.4	70.8	15 500*	37.1	74.4	18 100	42.8	77.0	17 100	51.1	80.0	15 600							40.0
42.0	16.6	62.1	12 800*	23.9	66.8	14 600*	31.9	71.4	16 900	38.3	74.7	16 000	47.2	78.2	14 500	54.8	80.2	13 100				42.0
44.0				14.9	60.9	14 000*	25.8	67.7	15 900	33.3	71.8	15 000	43.1	76.2	13 600	51.2	78.7	12 200				44.0
46.0							17.8	62.5	14 900	27.5	68.3	14 100	38.6	73.9	12 800	47.3	76.9	11 500				46.0
48.0										20.2	63.7	13 300	33.7	71.1	12 000	43.2	74.9	10 800	51.0	76.9	9 600	48.0
50.0													27.9	67.6	11 300	38.7	72.6	10 100	47.1	75.2	9 000	50.0
52.0													20.8	63.1	10 600	33.8	69.8	9 500	43.0	73.1	8 400	52.0
54.0																28.1	66.4	9 000	38.5	70.8	7 900	54.0
56.0																20.9	61.9	8 400	33.5	68.0	7 400	56.0
58.0																			27.8	64.5	7 000	58.0
60.0																			20.5	59.9	6 600	60.0

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**

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



999 SERIES 3

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	31 900*													24.0
26.0	59.4	87.7	22 500*	62.0	88.6	27 000*	65.8	89.6	31 500													26.0
28.0	56.2	86.4	20 600*	58.9	87.4	25 000*	62.8	88.6	28 600	66.6	89.4	27 200										28.0
30.0	52.8	85.0	18 900*	55.7	86.1	23 000*	59.7	87.5	26 200	63.6	88.4	24 800										30.0
32.0	49.4	83.3	17 400*	52.3	84.6	21 100*	56.5	86.2	24 000	60.5	87.4	22 800										32.0
34.0	45.7	81.5	16 100*	48.8	82.9	19 400*	53.2	84.8	22 200	57.4	86.1	21 100										34.0
36.0	41.8	79.3	14 800*	45.1	81.0	17 800*	49.8	83.1	20 600	54.1	84.7	19 500	60.8	86.5	17 700							36.0
38.0	37.5	76.9	13 700*	41.2	78.9	16 500*	46.1	81.3	19 200	50.7	83.2	18 200	57.6	85.2	16 400							38.0
40.0	32.8	74.0	12 800*	36.8	76.4	15 300*	42.2	79.2	17 900	47.1	81.4	16 900	54.3	83.9	15 300							40.0
42.0	27.3	70.4	12 000*	32.0	73.4	14 200*	38.0	76.8	16 800	43.3	79.4	15 800	50.9	82.3	14 300							42.0
44.0	20.6	65.8	11 500*	26.4	69.7	13 300*	33.4	74.0	15 700	39.2	77.0	14 800	47.4	80.5	13 400	54.4	82.6	12 000				44.0
46.0				19.4	64.9	12 700*	28.0	70.5	14 700	34.6	74.3	13 900	43.6	78.5	12 500	51.0	81.0	11 200				46.0
48.0							21.5	66.1	13 900	29.5	71.1	13 100	39.5	76.2	11 800	47.4	79.2	10 500				48.0
50.0							11.8	59.1	12 900	23.4	66.9	12 300	35.0	73.6	11 100	43.6	77.2	9 900	50.9	79.2	8 700	50.0
52.0													29.9	70.3	10 500	39.6	74.9	9 300	47.3	77.5	8 100	52.0
54.0													23.8	66.3	9 800	35.1	72.3	8 700	43.5	75.5	7 600	54.0
56.0													15.7	60.6	9 300	30.0	69.1	8 200	39.4	73.1	7 200	56.0
58.0																24.0	65.1	7 700	34.8	70.5	6 700	58.0
60.0																15.9	59.4	7 300	29.7	67.2	6 300	60.0
62.0																			23.7	63.2	6 000	62.0
64.0																			15.4	57.3	5 600	64.0

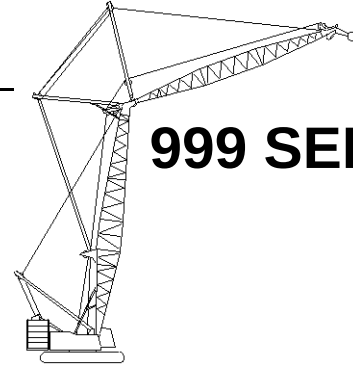


Liftcrane Luffing Jib Capacities

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**

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



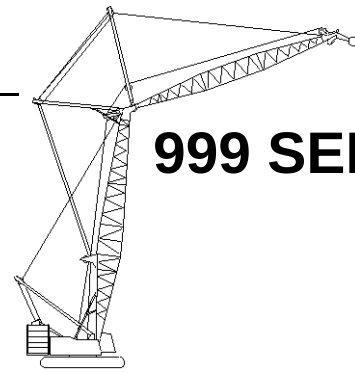
48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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	29 200*													26.0
28.0	58.7	90.1	20 100*	61.2	91.0	24 200*	64.8	92.0	28 500													28.0
30.0	55.7	88.7	18 500*	58.3	89.8	22 400*	61.9	91.0	26 100	65.5	91.8	24 700										30.0
32.0	52.6	87.3	17 100*	55.2	88.4	20 700*	59.0	89.8	24 000	62.7	90.8	22 700										32.0
34.0	49.3	85.6	15 700*	52.1	86.9	19 100*	56.1	88.5	22 100	59.8	89.7	21 000										34.0
36.0	45.9	83.8	14 600*	48.8	85.2	17 600*	53.0	87.1	20 500	56.8	88.5	19 400										36.0
38.0	42.3	81.7	13 500*	45.4	83.4	16 300*	49.7	85.4	19 100	53.8	87.0	18 100	60.0	88.8	16 300							38.0
40.0	38.4	79.3	12 500*	41.7	81.2	15 100*	46.3	83.6	17 800	50.6	85.5	16 800	57.1	87.6	15 200							40.0
42.0	34.1	76.5	11 700*	37.8	78.8	14 000*	42.7	81.5	16 700	47.2	83.7	15 700	54.0	86.2	14 200							42.0
44.0	29.2	73.2	11 000*	33.4	75.9	13 000*	38.9	79.2	15 700	43.7	81.7	14 700	50.8	84.6	13 300							44.0
46.0	23.5	69.1	10 500*	28.4	72.5	12 200*	34.6	76.5	14 700	39.9	79.4	13 800	47.5	82.8	12 500	54.1	84.9	11 100				46.0
48.0	15.9	63.3	10 200*	22.5	68.2	11 600*	29.8	73.2	13 800	35.8	76.8	13 000	43.9	80.9	11 700	50.9	83.3	10 400				48.0
50.0				14.4	62.0	11 200*	24.2	69.2	13 000	31.1	73.7	12 300	40.2	78.6	11 000	47.5	81.5	9 800				50.0
52.0							16.9	63.7	12 200	25.8	69.9	11 600	36.1	76.0	10 400	44.0	79.6	9 200	50.7	81.5	8 100	52.0
54.0										19.1	65.0	10 900	31.5	73.0	9 800	40.2	77.3	8 700	47.4	79.8	7 500	54.0
56.0													26.2	69.3	9 200	36.1	74.7	8 200	43.8	77.8	7 100	56.0
58.0													19.6	64.4	8 700	31.6	71.7	7 700	40.1	75.5	6 600	58.0
60.0																26.3	68.0	7 200	35.9	72.9	6 300	60.0
62.0																19.8	63.2	6 800	31.4	69.9	5 900	62.0
64.0																9.5	55.3	6 400	26.1	66.1	5 500	64.0
66.0																			19.4	61.2	5 200	66.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	26 500*													26.0
28.0	60.9	93.6	19 500*	63.1	94.4	23 300*	66.4	95.4	26 500*													28.0
30.0	58.1	92.4	18 000*	60.5	93.3	21 700*	63.8	94.4	25 700													30.0
32.0	55.3	91.1	16 600*	57.7	92.1	20 200*	61.2	93.3	23 800	64.5	94.2	22 500										32.0
34.0	52.4	89.6	15 400*	54.9	90.7	18 700*	58.5	92.2	21 900	61.9	93.2	20 700										34.0
36.0	49.3	87.9	14 300*	51.9	89.2	17 300*	55.6	90.8	20 300	59.2	92.1	19 200										36.0
38.0	46.1	86.1	13 200*	48.8	87.5	16 000*	52.7	89.4	18 900	56.4	90.8	17 800										38.0
40.0	42.7	84.0	12 300*	45.6	85.7	14 800*	49.7	87.7	17 600	53.5	89.4	16 600	59.4	91.2	15 000							40.0
42.0	39.1	81.7	11 500*	42.2	83.6	13 800*	46.5	85.9	16 500	50.5	87.8	15 500	56.6	89.9	14 000							42.0
44.0	35.2	79.0	10 700*	38.5	81.2	12 900*	43.1	83.9	15 400	47.3	86.0	14 500	53.7	88.5	13 100							44.0
46.0	30.8	75.8	10 100*	34.6	78.4	12 000*	39.6	81.6	14 500	44.0	84.0	13 600	50.7	86.9	12 200	56.6	88.6	10 800				46.0
48.0	25.8	72.0	9 600*	30.1	75.2	11 300*	35.7	78.9	13 700	40.5	81.8	12 800	47.6	85.1	11 500	53.8	87.2	10 200				48.0
50.0	19.5	67.1	9 300*	24.9	71.3	10 600*	31.4	75.8	12 900	36.7	79.2	12 100	44.3	83.2	10 800	50.8	85.6	9 500				50.0
52.0				18.4	66.1	10 200*	26.4	72.1	12 100	32.5	76.3	11 400	40.8	81.0	10 100	47.6	83.8	8 900				52.0
54.0							20.4	67.4	11 400	27.8	72.8	10 700	37.0	78.4	9 600	44.3	81.9	8 400	50.6	83.8	7 300	54.0
56.0							11.6	60.2	10 400	22.1	68.4	10 100	32.8	75.5	9 000	40.8	79.7	7 900	47.5	82.1	6 800	56.0
58.0													28.1	72.1	8 500	37.1	77.2	7 400	44.2	80.1	6 400	58.0
60.0													22.5	67.7	8 000	32.9	74.2	7 000	40.7	77.9	6 000	60.0
62.0													15.1	61.7	7 500	28.2	70.8	6 600	36.9	75.3	5 600	62.0
64.0																22.7	66.5	6 200	32.7	72.4	5 300	64.0
66.0																15.3	60.5	5 800	28.0	68.9	5 000	66.0
68.0																			22.4	64.6	4 600	68.0
70.0																			14.8	58.5	4 300	70.0

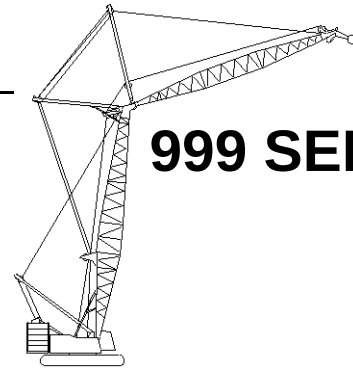


Liftcrane Luffing Jib Capacities

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

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



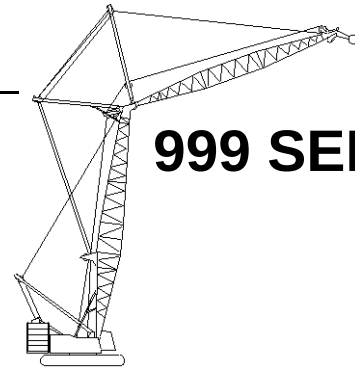
48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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

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**

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



999 SERIES 3

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

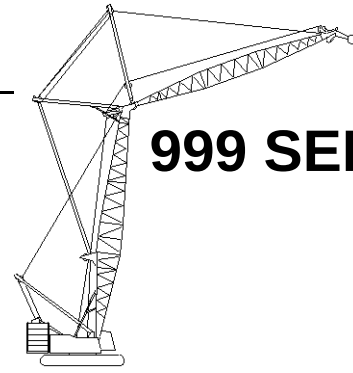


Liftcrane Luffing Jib Capacities

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**

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



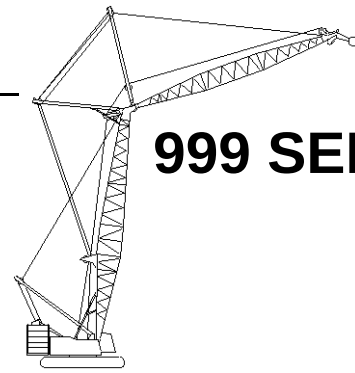
48.8m (160 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

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	20 000*	66.6	103.4	20 200										34.0
36.0	56.7	99.4	13 500*	58.7	100.4	16 300*	61.6	101.6	19 700	64.5	102.5	18 700										36.0
38.0	54.3	98.0	12 600*	56.4	99.1	15 200*	59.4	100.4	18 400	62.2	101.5	17 300										38.0
40.0	51.8	96.5	11 800*	54.0	97.7	14 300*	57.0	99.2	17 100	60.0	100.3	16 100										40.0
42.0	49.3	94.8	11 000*	51.5	96.1	13 400*	54.6	97.8	16 000	57.6	99.1	15 000										42.0
44.0	46.6	93.0	10 300*	48.9	94.4	12 500*	52.1	96.3	15 000	55.3	97.8	14 100	60.1	99.4	12 500							44.0
46.0	43.8	91.0	9 700*	46.2	92.6	11 700*	49.6	94.6	14 000	52.8	96.3	13 200	57.8	98.2	11 700							46.0
48.0	40.8	88.8	9 100*	43.3	90.5	10 900*	46.9	92.8	13 200	50.3	94.7	12 400	55.4	96.9	10 900							48.0
50.0	37.7	86.3	8 600*	40.3	88.3	10 300*	44.1	90.8	12 400	47.6	92.9	11 600	53.0	95.4	10 200							50.0
52.0	34.3	83.5	8 100*	37.2	85.8	9 700*	41.2	88.6	11 700	44.9	91.0	10 900	50.4	93.8	9 600	55.5	95.6	8 400				52.0
54.0	30.5	80.3	7 700*	33.7	82.9	9 200*	38.0	86.2	11 000*	42.0	88.8	10 300	47.8	92.1	9 100	53.0	94.1	7 800				54.0
56.0	26.3	76.5	7 300*	29.9	79.6	8 600*	34.7	83.4	10 300*	38.9	86.4	9 700	45.1	90.1	8 500	50.5	92.5	7 300				56.0
58.0	21.3	71.9	7 100*	25.6	75.8	8 200*	31.0	80.3	9 700*	35.6	83.8	9 100	42.2	88.0	8 000	47.9	90.8	6 900	52.9	92.3	5 800	58.0
60.0	14.8	65.6	6 900*	20.5	71.0	7 900*	26.8	76.6	9 100*	32.0	80.7	8 600	39.1	85.6	7 500	45.1	88.8	6 500	50.4	90.7	5 400	60.0
62.0				13.6	64.3	7 400*	22.0	72.1	8 600*	28.0	77.2	8 100	35.8	83.0	7 100	42.2	86.7	6 100	47.7	89.0	5 100	62.0
64.0							15.7	66.1	8 100*	23.3	73.0	7 700	32.2	80.0	6 700	39.2	84.3	5 700	45.0	87.0	4 800	64.0
66.0										17.6	67.5	7 300	28.3	76.5	6 300	35.9	81.7	5 400	42.1	84.9	4 400	66.0
68.0													23.7	72.3	6 000	32.3	78.7	5 000	39.0	82.5	4 100	68.0
70.0													18.0	67.0	5 600	28.4	75.2	4 700	35.7	79.9	3 800	70.0
72.0																23.8	71.1	4 400	32.1	76.9	3 600	72.0
74.0																18.2	65.7	4 100	28.2	73.4	3 300	74.0
76.0																9.7	57.4	3 800	23.6	69.2	3 100	76.0
78.0																			17.9	63.8	2 800	78.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	18 200*													34.0
36.0	58.6	103.0	13 100*	60.5	103.9	15 700*	63.2	105.0	18 100*	65.8	105.8	18 500										36.0
38.0	56.4	101.7	12 200*	58.3	102.7	14 800*	61.0	104.0	18 000*	63.7	104.9	17 100										38.0
40.0	54.1	100.3	11 500*	56.0	101.4	13 900*	58.9	102.8	16 900	61.6	103.8	15 900										40.0
42.0	51.7	98.8	10 800*	53.7	100.0	13 100*	56.6	101.5	15 800	59.4	102.7	14 800										42.0
44.0	49.3	97.1	10 100*	51.3	98.4	12 300*	54.3	100.1	14 700	57.2	101.4	13 800										44.0
46.0	46.7	95.3	9 400*	48.9	96.7	11 500*	52.0	98.6	13 800	54.9	100.1	12 900	59.6	101.8	11 500							46.0
48.0	44.0	93.3	8 900*	46.3	94.9	10 800*	49.5	96.9	13 000	52.6	98.6	12 100	57.4	100.5	10 700							48.0
50.0	41.3	91.1	8 400*	43.6	92.9	10 100*	47.0	95.1	12 200*	50.2	97.0	11 400	55.1	99.2	10 000							50.0
52.0	38.3	88.7	7 900*	40.8	90.6	9 600*	44.4	93.2	11 400*	47.7	95.2	10 700	52.8	97.7	9 400	57.4	99.2	8 100				52.0
54.0	35.1	85.9	7 500*	37.8	88.2	9 000*	41.6	91.0	10 700*	45.1	93.3	10 000	50.4	96.1	8 800	55.2	97.9	7 600				54.0
56.0	31.7	82.9	7 100*	34.6	85.4	8 500*	38.7	88.6	10 000*	42.3	91.2	9 500	47.9	94.4	8 300	52.8	96.4	7 100				56.0
58.0	27.8	79.3	6 800*	31.1	82.3	8 100*	35.5	85.9	9 400*	39.4	88.8	9 000	45.3	92.4	7 800	50.4	94.8	6 600				58.0
60.0	23.4	75.1	6 600*	27.2	78.6	7 700*	32.1	82.9	8 900*	36.3	86.2	8 400	42.5	90.3	7 300	47.9	93.1	6 200				60.0
62.0	18.0	69.7	6 400*	22.7	74.2	7 400*	28.3	79.4	8 300*	33.0	83.3	8 000	39.6	88.0	6 900	45.3	91.1	5 800	50.3	93.0	4 800	62.0
64.0	10.1	61.5	5 800*	17.1	68.6	7 100*	24.0	75.2	7 800*	29.3	79.9	7 500	36.6	85.4	6 500	42.6	89.0	5 400	47.8	91.3	4 500	64.0
66.0							18.7	70.0	7 300*	25.2	76.0	7 100	33.3	82.5	6 100	39.7	86.7	5 100	45.2	89.4	4 100	66.0
68.0							11.3	62.4	6 500*	20.2	71.1	6 700	29.6	79.2	5 700	36.6	84.1	4 800	42.5	87.3	3 800	68.0
70.0										13.6	64.4	6 300	25.5	75.3	5 400	33.3	81.2	4 500	39.6	84.9	3 600	70.0
72.0													20.6	70.5	5 100	29.7	77.9	4 200	36.5	82.3	3 300	72.0
74.0													14.2	64.0	4 800	25.6	74.0	3 900	33.2	79.4	3 100	74.0
76.0																20.7	69.3	3 600	29.5	76.1	2 800	76.0
78.0																14.4	62.8	3 400	25.4	72.2	2 600	78.0
80.0																			20.5	67.4	2 400	80.0
82.0																			14.0	60.8	2 200	82.0

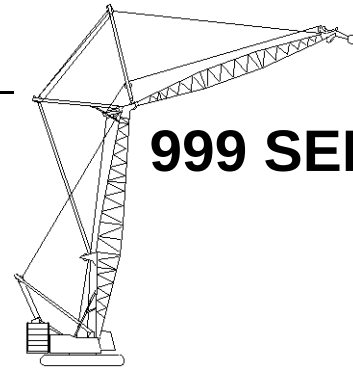


Liftcrane Luffing Jib Capacities

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

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



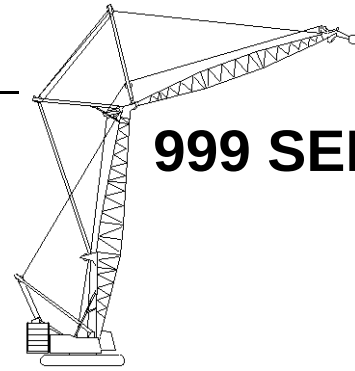
48.8m (160 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	16 500*	67.0	109.2	17 300*							36.0
38.0	58.2	105.4	11 900*	60.0	106.3	14 300*	62.6	107.4	16 400*	65.1	108.3	16 900							38.0
40.0	56.0	104.1	11 200*	57.9	105.1	13 500*	60.5	106.3	16 300	63.1	107.3	15 700							40.0
42.0	53.8	102.6	10 600*	55.7	103.7	12 800*	58.4	105.1	15 700	61.0	106.2	14 600							42.0
44.0	51.6	101.1	9 900*	53.5	102.3	12 000*	56.3	103.8	14 600	59.0	105.0	13 600							44.0
46.0	49.2	99.4	9 300*	51.2	100.7	11 300*	54.1	102.4	13 700	56.8	103.8	12 800	61.2	105.3	11 200				46.0
48.0	46.8	97.6	8 800*	48.9	99.0	10 600*	51.8	100.9	12 800*	54.7	102.4	11 900	59.1	104.1	10 500				48.0
50.0	44.3	95.6	8 200*	46.4	97.2	10 000*	49.5	99.2	11 900*	52.4	100.9	11 200	57.0	102.9	9 800				50.0
52.0	41.7	93.4	7 800*	43.9	95.2	9 400*	47.1	97.4	11 200*	50.1	99.3	10 500	54.8	101.5	9 200				52.0
54.0	38.9	91.1	7 400*	41.2	93.0	8 900*	44.6	95.5	10 500*	47.7	97.5	9 900	52.6	100.0	8 600	57.0	101.6	7 400	54.0
56.0	35.9	88.4	7 000*	38.4	90.6	8 400*	42.0	93.3	9 800*	45.3	95.6	9 300	50.3	98.4	8 100	54.9	100.2	6 900	56.0
58.0	32.7	85.4	6 600*	35.4	87.9	8 000*	39.2	91.0	9 200*	42.7	93.5	8 800	47.9	96.7	7 600	52.6	98.7	6 500	58.0
60.0	29.2	82.0	6 400*	32.2	84.8	7 600*	36.2	88.3	8 600*	39.9	91.2	8 200	45.4	94.7	7 100	50.3	97.1	6 000	60.0
62.0	25.2	78.1	6 100*	28.6	81.4	7 200*	33.1	85.4	8 100*	37.0	88.6	7 800	42.9	92.7	6 700	48.0	95.4	5 600	62.0
64.0	20.5	73.3	5 900*	24.5	77.3	6 900*	29.6	82.1	7 600*	33.9	85.8	7 300	40.1	90.4	6 300	45.5	93.4	5 300	64.0
66.0	14.4	66.8	5 700*	19.7	72.3	6 600*	25.7	78.2	7 100*	30.5	82.6	6 900	37.2	87.8	5 900	42.9	91.4	5 000	66.0
68.0				13.3	65.4	5 700*	21.1	73.5	6 700*	26.8	78.9	6 500	34.2	85.0	5 600	40.2	89.1	4 600	68.0
70.0							15.3	67.3	6 200*	22.4	74.4	6 200	30.8	81.8	5 200	37.3	86.6	4 300	70.0
72.0										17.0	68.7	5 800	27.0	78.2	4 900	34.2	83.7	4 000	72.0
74.0													22.7	73.8	4 600	30.9	80.6	3 700	74.0
76.0													17.4	68.2	4 300	27.1	76.9	3 500	76.0
78.0																22.8	72.5	3 200	78.0
80.0																17.5	67.0	3 000	80.0
82.0																9.7	58.5	2 800	82.0

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**

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



999 SERIES 3

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	15 700*							38.0
40.0	57.8	107.7	10 900*	59.5	108.7	13 100*	62.0	109.8	14 800*	64.4	110.7	15 500							40.0
42.0	55.7	106.4	10 300*	57.5	107.4	12 400*	60.0	108.7	14 700*	62.5	109.7	14 400							42.0
44.0	53.6	105.0	9 700*	55.4	106.1	11 700*	58.0	107.5	14 300*	60.5	108.6	13 400							44.0
46.0	51.5	103.4	9 100*	53.3	104.6	11 100*	56.0	106.2	13 400*	58.5	107.4	12 500	62.6	108.8	11 000				46.0
48.0	49.2	101.7	8 600*	51.1	103.0	10 400*	53.9	104.7	12 500*	56.5	106.1	11 700	60.7	107.7	10 200				48.0
50.0	46.9	99.9	8 100*	48.9	101.3	9 800*	51.7	103.2	11 600*	54.4	104.7	11 000	58.7	106.5	9 600				50.0
52.0	44.5	97.9	7 600*	46.6	99.5	9 300*	49.5	101.5	10 900*	52.3	103.2	10 300	56.7	105.2	9 000				52.0
54.0	42.0	95.8	7 200*	44.1	97.5	8 800*	47.2	99.7	10 200*	50.1	101.6	9 700	54.6	103.8	8 400				54.0
56.0	39.4	93.4	6 800*	41.6	95.3	8 300*	44.8	97.8	9 500*	47.8	99.8	9 100	52.4	102.3	7 900	56.7	103.9	6 700	56.0
58.0	36.6	90.8	6 500*	39.0	92.9	7 800*	42.3	95.7	8 900*	45.4	97.9	8 500	50.2	100.7	7 400	54.6	102.5	6 200	58.0
60.0	33.6	88.0	6 200*	36.1	90.3	7 400*	39.7	93.3	8 300*	43.0	95.8	8 100	48.0	99.0	6 900	52.5	101.0	5 800	60.0
62.0	30.3	84.7	5 900*	33.1	87.4	7 100*	36.9	90.8	7 800*	40.4	93.5	7 600	45.6	97.1	6 500	50.3	99.4	5 400	62.0
64.0	26.7	81.0	5 700*	29.8	84.1	6 800*	33.9	87.9	7 300*	37.7	91.0	7 200	43.1	95.0	6 100	48.0	97.7	5 000	64.0
66.0	22.5	76.5	5 500*	26.1	80.2	6 400*	30.7	84.7	6 900*	34.7	88.3	6 700	40.6	92.7	5 700	45.7	95.8	4 700	66.0
68.0	17.4	70.9	5 200*	21.8	75.7	5 900*	27.1	81.0	6 400*	31.6	85.2	6 400	37.8	90.2	5 400	43.2	93.7	4 400	68.0
70.0	10.1	62.6	4 200*	16.6	69.8	5 300*	23.1	76.7	6 000*	28.1	81.6	6 000	34.9	87.5	5 000	40.6	91.4	4 000	70.0
72.0							18.1	71.3	5 600*	24.2	77.5	5 600	31.8	84.4	4 700	37.9	89.0	3 800	72.0
74.0							11.2	63.5	4 800*	19.5	72.4	5 300	28.4	80.9	4 400	35.0	86.2	3 500	74.0
76.0										13.4	65.5	5 000	24.5	76.8	4 100	31.9	83.2	3 200	76.0
78.0													19.9	71.9	3 800	28.4	79.7	3 000	78.0
80.0													13.9	65.1	3 600	24.6	75.6	2 800	80.0
82.0																20.0	70.6	2 500	82.0
84.0																14.0	63.9	2 300	84.0

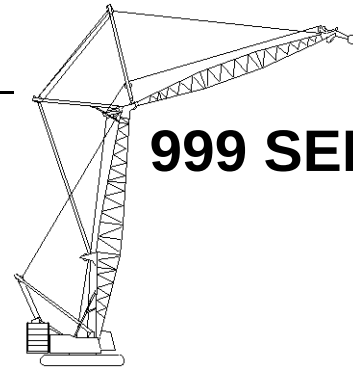


Liftcrane Luffing Jib Capacities

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

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



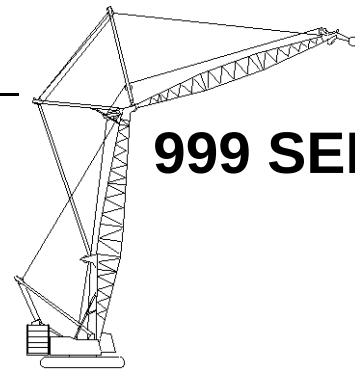
48.8m (160 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.9	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	14 100*	65.6	114.1	15 100				40.0
42.0	57.4	110.1	9 400*	59.1	111.0	11 300*	61.4	112.2	14 000*	63.8	113.1	14 300				42.0
44.0	55.4	108.7	8 900*	57.1	109.7	10 700*	59.6	111.0	13 600*	61.9	112.1	13 200				44.0
46.0	53.4	107.3	8 400*	55.1	108.4	10 200*	57.6	109.8	13 000*	60.1	110.9	12 400				46.0
48.0	51.4	105.7	7 900*	53.1	106.9	9 600*	55.7	108.5	12 300*	58.1	109.7	11 600	62.1	111.2	10 100	48.0
50.0	49.2	104.0	7 500*	51.0	105.3	9 100*	53.7	107.0	11 400*	56.2	108.4	10 800	60.2	110.0	9 400	50.0
52.0	47.0	102.2	7 000*	48.9	103.6	8 600*	51.6	105.5	10 700*	54.2	107.0	10 100	58.3	108.8	8 800	52.0
54.0	44.7	100.2	6 700*	46.7	101.8	8 100*	49.5	103.8	10 000*	52.1	105.5	9 600	56.3	107.5	8 200	54.0
56.0	42.3	98.1	6 300*	44.4	99.8	7 600*	47.3	102.0	9 300*	50.0	103.9	9 000	54.3	106.1	7 700	56.0
58.0	39.8	95.8	6 000*	42.0	97.7	7 200*	45.0	100.1	8 700*	47.9	102.1	8 400	52.3	104.6	7 200	58.0
60.0	37.2	93.3	5 700*	39.4	95.3	6 900*	42.6	98.0	8 100*	45.6	100.2	7 900	50.2	103.0	6 800	60.0
62.0	34.4	90.4	5 500*	36.8	92.7	6 500*	40.1	95.7	7 600*	43.2	98.1	7 500	48.0	101.3	6 400	62.0
64.0	31.3	87.3	5 200*	33.9	89.9	6 200*	37.5	93.2	7 100*	40.8	95.9	7 000	45.8	99.4	5 900	64.0
66.0	28.0	83.8	5 000*	30.8	86.7	6 000*	34.7	90.4	6 700*	38.2	93.4	6 600	43.4	97.3	5 600	66.0
68.0	24.2	79.6	4 900*	27.5	83.1	5 700*	31.7	87.3	6 200*	35.5	90.7	6 200	41.0	95.1	5 200	68.0
70.0	19.8	74.6	4 600*	23.6	78.8	5 500*	28.4	83.8	5 800*	32.5	87.7	5 900	38.4	92.6	4 900	70.0
72.0	14.1	67.9	4 100*	19.1	73.6	5 000*	24.7	79.7	5 400*	29.3	84.4	5 500	35.7	90.0	4 600	72.0
74.0				13.0	66.5	4 100*	20.4	74.9	5 100*	25.7	80.5	5 200	32.7	87.0	4 300	74.0
76.0							14.9	68.4	4 600*	21.6	75.8	4 800*	29.5	83.6	4 000	76.0
78.0										16.5	69.9	4 500*	26.0	79.8	3 700	78.0
80.0													21.9	75.2	3 400	80.0
82.0													16.9	69.4	3 200	82.0

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

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



999 SERIES 3

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	13 800*				40.0
42.0	58.9	113.7	9 100*	60.5	114.5	10 900*	62.7	115.7	12 700*	64.9	116.5	13 700				42.0
44.0	57.1	112.4	8 600*	58.7	113.4	10 300*	61.0	114.6	12 700*	63.2	115.5	13 100				44.0
46.0	55.2	111.0	8 100*	56.8	112.1	9 800*	59.1	113.4	12 400*	61.4	114.4	12 200				46.0
48.0	53.2	109.6	7 700*	54.9	110.7	9 300*	57.3	112.2	11 900*	59.6	113.3	11 400				48.0
50.0	51.3	108.0	7 300*	52.9	109.2	8 800*	55.4	110.8	11 200*	57.8	112.1	10 600	61.6	113.5	9 200	50.0
52.0	49.2	106.3	6 900*	51.0	107.6	8 300*	53.5	109.4	10 400*	55.9	110.8	10 000	59.8	112.4	8 600	52.0
54.0	47.1	104.5	6 500*	48.9	105.9	7 900*	51.5	107.8	9 700*	54.0	109.3	9 300	57.9	111.2	8 000	54.0
56.0	44.9	102.6	6 100*	46.8	104.1	7 500*	49.5	106.1	9 100*	52.0	107.8	8 700	56.0	109.9	7 500	56.0
58.0	42.6	100.5	5 800*	44.6	102.1	7 100*	47.3	104.3	8 500*	50.0	106.2	8 200	54.1	108.5	7 000	58.0
60.0	40.2	98.2	5 500*	42.3	100.0	6 700*	45.2	102.4	7 900*	47.9	104.4	7 700	52.2	106.9	6 500	60.0
62.0	37.7	95.7	5 300*	39.9	97.7	6 400*	42.9	100.3	7 400*	45.7	102.5	7 200	50.1	105.3	6 100	62.0
64.0	35.1	92.9	5 000*	37.4	95.2	6 100*	40.5	98.0	6 800*	43.5	100.5	6 800	48.1	103.6	5 700	64.0
66.0	32.2	89.9	4 800*	34.7	92.4	5 800*	38.0	95.6	6 400*	41.2	98.2	6 400	45.9	101.7	5 400	66.0
68.0	29.1	86.5	4 600*	31.8	89.3	5 600*	35.4	92.9	6 000*	38.7	95.8	6 000	43.7	99.6	5 000	68.0
70.0	25.7	82.6	4 400*	28.6	85.8	5 200*	32.6	89.9	5 600*	36.1	93.2	5 600	41.3	97.4	4 600	70.0
72.0	21.8	77.9	4 100*	25.1	81.8	4 800*	29.5	86.5	5 200*	33.3	90.3	5 300*	38.9	95.0	4 300	72.0
74.0	17.0	72.2	3 700*	21.1	77.1	4 500*	26.1	82.7	4 800*	30.3	87.0	4 900*	36.3	92.4	4 000	74.0
76.0	10.1	63.6	2 800*	16.1	71.0	3 800*	22.3	78.1	4 400*	27.0	83.3	4 600*	33.5	89.5	3 800	76.0
78.0							17.6	72.5	4 100*	23.3	79.0	4 200*	30.6	86.3	3 500	78.0
80.0							11.1	64.5	3 400*	18.9	73.7	3 900*	27.3	82.6	3 300	80.0
82.0										13.1	66.6	3 600*	23.6	78.3	3 000	82.0
84.0													19.3	73.2	2 800	84.0
86.0													13.6	66.2	2 500	86.0

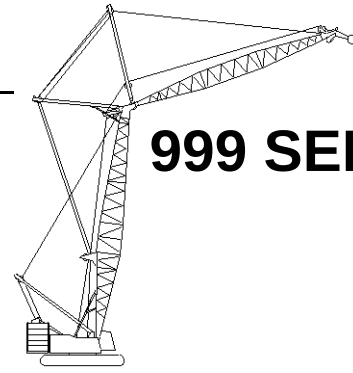


Liftcrane Luffing Jib Capacities

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**

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



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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	64.0	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	45 300b													20.0
22.0	33.6	65.7	32 100*	41.8	68.0	38 200*	51.9	70.4	40 000b	60.6	71.8	38 300b										22.0
24.0	21.6	61.7	29 900*	32.6	65.3	34 400*	44.6	68.5	35 900	54.2	70.5	34 200										24.0
26.0							36.1	66.1	32 400	47.1	68.8	31 000	61.9	71.0	28 500b							26.0
28.0							25.2	62.5	29 500	39.1	66.5	28 200	55.5	69.7	25 900b							28.0
30.0										29.3	63.5	25 800	48.6	68.1	23 700							30.0
32.0										13.9	58.2	23 700	40.8	66.0	21 900	56.5	68.5	20 000b				32.0
34.0													31.5	63.2	20 200	49.7	67.0	18 400				34.0
36.0													18.1	58.6	18 700	42.0	64.9	17 100				36.0
38.0																33.0	62.2	15 900				38.0
40.0																20.6	58.1	14 800	42.7	63.3	13 400	40.0
42.0																			33.8	60.7	12 500	42.0
44.0																			21.8	56.7	11 700	44.0

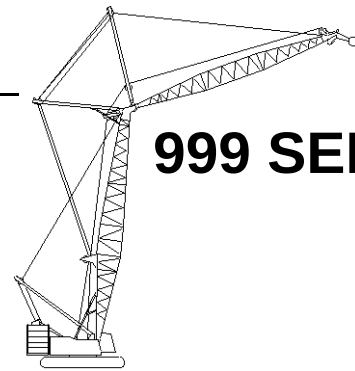
51.8m (170 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	67.5	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	44 000b													20.0
22.0	43.4	70.7	30 500*	49.4	72.4	36 800*	57.4	74.2	40 000	64.6	75.3	38 000b										22.0
24.0	35.9	68.2	27 700*	42.7	70.4	33 100*	51.5	72.7	35 700	59.3	74.2	34 000										24.0
26.0	26.6	64.8	25 500*	35.1	67.8	29 900*	45.1	70.8	32 300	53.6	72.8	30 700										26.0
28.0				25.5	64.3	27 500*	37.9	68.5	29 400	47.4	71.1	28 000	60.4	73.4	25 700b							28.0
30.0							29.2	65.4	26 900	40.5	68.9	25 600	54.7	72.0	23 500							30.0
32.0							16.6	60.4	24 700	32.4	66.1	23 600	48.7	70.4	21 600							32.0
34.0										21.7	62.0	21 800	41.9	68.4	20 000	55.6	70.8	18 200				34.0
36.0													34.1	65.7	18 500	49.6	69.3	16 800				36.0
38.0													24.2	62.0	17 200	43.0	67.3	15 700				38.0
40.0																35.4	64.7	14 600	50.1	67.6	13 100	40.0
42.0																25.9	61.2	13 600	43.5	65.7	12 200	42.0
44.0																9.6	54.6	12 700	36.0	63.2	11 500	44.0
46.0																			26.7	59.8	10 700	46.0

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**

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



999 SERIES 3

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	42 900*b													20.0
22.0	49.9	75.0	29 500*	54.7	76.3	35 600*	61.4	77.7	39 900													22.0
24.0	44.1	73.0	26 600*	49.3	74.7	32 100*	56.5	76.5	35 600	63.0	77.7	33 900										24.0
26.0	37.6	70.7	24 200*	43.5	72.7	29 100*	51.2	75.0	32 100	58.2	76.5	30 600										26.0
28.0	29.9	67.6	22 300*	36.9	70.3	26 400*	45.6	73.1	29 200	53.1	75.1	27 800										28.0
30.0	19.6	63.1	21 100*	29.0	67.1	24 200*	39.3	70.9	26 800	47.6	73.4	25 500	59.2	75.7	23 300							30.0
32.0				18.2	62.3	22 800*	32.0	68.0	24 700	41.5	71.3	23 500	54.1	74.3	21 500							32.0
34.0							22.6	64.0	22 800	34.6	68.6	21 700	48.7	72.7	19 800							34.0
36.0										26.1	65.1	20 100	42.8	70.7	18 400	54.9	73.1	16 600				36.0
38.0										13.1	59.2	18 700	36.1	68.2	17 100	49.5	71.6	15 500				38.0
40.0													28.0	64.9	15 900	43.7	69.6	14 400				40.0
42.0													16.6	59.8	14 900	37.1	67.2	13 500	49.9	69.9	12 100	42.0
44.0																29.3	64.0	12 600	44.2	68.0	11 300	44.0
46.0																18.7	59.4	11 800	37.7	65.6	10 600	46.0
48.0																			30.0	62.5	9 900	48.0
50.0																			19.7	58.0	9 300	50.0

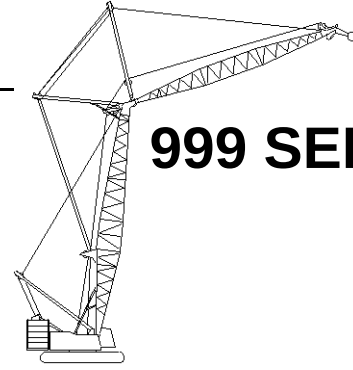


Liftcrane Luffing Jib Capacities

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**

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



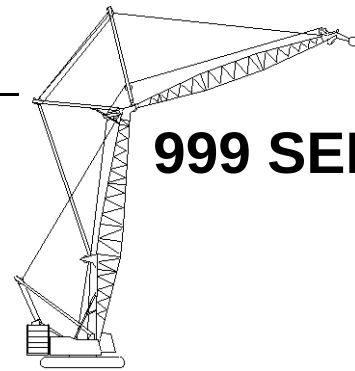
51.8m (170 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
13.7	72.2	83.1	36 000*b																			13.7
14.0	71.6	83.0	35 700*b																			14.0
16.0	67.6	82.3	34 100*b	71.2	82.9	42 000*b																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	41 400*b													20.0
22.0	54.6	78.9	28 600*	58.7	80.0	34 400*	64.5	81.2	38 900													22.0
24.0	49.8	77.3	25 800*	54.1	78.6	31 200*	60.2	80.1	35 500													24.0
26.0	44.6	75.4	23 400*	49.3	77.0	28 300*	55.7	78.8	31 900	61.7	80.0	30 300										26.0
28.0	38.9	73.1	21 400*	44.1	75.0	25 700*	51.0	77.3	29 100	57.3	78.8	27 600										28.0
30.0	32.3	70.2	19 700*	38.3	72.7	23 400*	45.9	75.5	26 600	52.7	77.4	25 300										30.0
32.0	24.1	66.3	18 400*	31.6	69.7	21 500*	40.4	73.3	24 500	47.7	75.7	23 300	58.2	78.1	21 200							32.0
34.0				23.2	65.8	20 000*	34.0	70.6	22 700	42.3	73.6	21 500	53.6	76.7	19 500							34.0
36.0							26.4	67.0	21 000	36.3	71.1	19 900	48.7	75.0	18 100							36.0
38.0							15.5	61.6	19 500	29.2	67.9	18 600	43.4	73.0	16 900	54.3	75.5	15 200				38.0
40.0										19.8	63.4	17 300	37.6	70.6	15 700	49.5	73.8	14 100				40.0
42.0													30.7	67.6	14 700	44.2	71.9	13 200				42.0
44.0													22.0	63.4	13 700							44.0
46.0																38.5	69.6	12 400				46.0
48.0																31.8	66.7	11 600	44.7	70.3	10 300	48.0
50.0																23.5	62.7	10 900	38.9	68.0	9 700	50.0
52.0																9.7	55.7	10 200	32.4	65.1	9 100	52.0
																			24.2	61.3	8 500	

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**

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



999 SERIES 3

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	38 400*													20.0
22.0	58.2	82.5	27 700*	61.8	83.5	33 300*	67.0	84.5	37 700*													22.0
24.0	54.1	81.2	25 200*	57.8	82.3	30 500*	63.2	83.6	35 100													24.0
26.0	49.7	79.6	22 900*	53.7	80.9	27 800*	59.3	82.4	31 900	64.5	83.5	30 200										26.0
28.0	45.0	77.7	20 900*	49.3	79.3	25 300*	55.2	81.1	29 000	60.6	82.4	27 500										28.0
30.0	39.9	75.4	19 100*	44.5	77.4	23 100*	50.8	79.6	26 600	56.6	81.2	25 200										30.0
32.0	34.1	72.7	17 600*	39.3	75.1	21 100*	46.2	77.8	24 400	52.3	79.7	23 200	61.4	81.6	21 100							32.0
34.0	27.3	69.3	16 400*	33.5	72.3	19 300*	41.2	75.6	22 600	47.8	78.0	21 400	57.4	80.4	19 500							34.0
36.0	18.2	64.3	15 700*	26.5	68.7	18 000*	35.6	73.0	21 000	43.0	76.0	19 900	53.2	79.0	18 100							36.0
38.0				17.0	63.6	17 100*	29.1	69.8	19 600	37.6	73.5	18 500	48.7	77.3	16 800							38.0
40.0							20.8	65.4	18 300	31.5	70.6	17 300	44.0	75.4	15 700	53.8	77.8	14 100				40.0
42.0										23.9	66.6	16 200	38.7	73.0	14 700	49.4	76.1	13 100				42.0
44.0										12.6	60.3	15 200	32.8	70.2	13 700	44.7	74.2	12 300				44.0
46.0													25.6	66.5	12 900	39.5	72.0	11 500	49.8	74.5	10 200	46.0
48.0													15.6	61.0	12 100	33.7	69.2	10 800	45.1	72.6	9 600	48.0
50.0																26.8	65.7	10 200	39.9	70.4	9 000	50.0
52.0																17.4	60.6	9 600	34.2	67.7	8 400	52.0
54.0																			27.4	64.2	8 000	54.0
56.0																			18.3	59.3	7 500	56.0

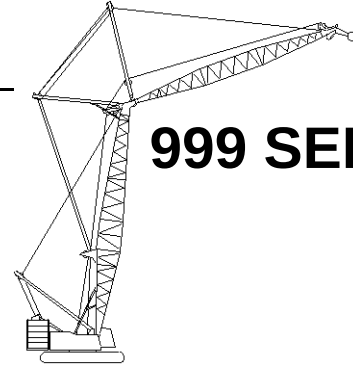


Liftcrane Luffing Jib Capacities

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**

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



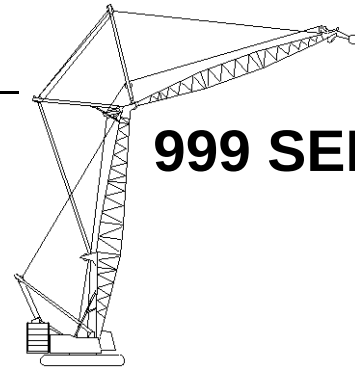
51.8m (170 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	89.5	31 000*b																			13.7
14.0	74.8	89.4	30 800*b																			14.0
16.0	71.5	88.8	29 500*b																			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	35 100*													22.0
24.0	57.5	84.9	24 500*	60.8	85.9	29 400*	65.6	87.0	34 400*													24.0
26.0	53.7	83.5	22 300*	57.1	84.6	27 000*	62.1	86.0	31 700	66.7	86.8	30 000										26.0
28.0	49.6	81.9	20 400*	53.3	83.2	24 700*	58.4	84.8	28 800	63.3	85.9	27 300										28.0
30.0	45.4	80.0	18 600*	49.2	81.6	22 500*	54.7	83.4	26 300	59.7	84.8	25 000										30.0
32.0	40.7	77.8	17 100*	44.9	79.7	20 600*	50.7	81.9	24 300	56.0	83.5	23 000										32.0
34.0	35.6	75.2	15 800*	40.2	77.5	19 000*	46.5	80.1	22 400	52.1	82.0	21 200	60.4	84.0	19 200							34.0
36.0	29.6	72.0	14 700*	35.0	74.8	17 400*	41.9	78.0	20 800	47.9	80.3	19 700	56.7	82.7	17 800							36.0
38.0	22.3	67.8	14 000*	29.0	71.5	16 200*	36.9	75.5	19 400	43.5	78.3	18 300	52.8	81.3	16 500							38.0
40.0				21.5	67.2	15 300*	31.2	72.5	18 100	38.7	75.9	17 100	48.8	79.6	15 400	57.3	81.5	13 800				40.0
42.0							24.4	68.6	16 900	33.3	73.1	16 000	44.4	77.7	14 400	53.4	80.1	12 900				42.0
44.0							14.7	62.7	15 800	26.9	69.6	15 000	39.7	75.4	13 500	49.4	78.4	12 000				44.0
46.0										18.5	64.7	14 100	34.4	72.7	12 700	45.1	76.6	11 300				46.0
48.0													28.3	69.3	11 900	40.4	74.3	10 600	49.7	76.8	9 300	48.0
50.0													20.5	64.8	11 200	35.2	71.7	9 900	45.4	74.9	8 700	50.0
52.0																29.2	68.5	9 300	40.8	72.7	8 200	52.0
54.0																21.8	64.2	8 800	35.6	70.1	7 700	54.0
56.0																9.8	56.8	8 300	29.7	67.0	7 200	56.0
58.0																			22.4	62.8	6 800	58.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	74.1	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	32 200*													24.0
26.0	56.9	87.2	21 700*	60.0	88.2	26 200*	64.4	89.4	31 500													26.0
28.0	53.3	85.8	19 900*	56.5	87.0	24 100*	61.1	88.3	28 600	65.5	89.3	27 100										28.0
30.0	49.6	84.2	18 200*	53.0	85.5	22 100*	57.7	87.1	26 200	62.2	88.3	24 800										30.0
32.0	45.6	82.3	16 800*	49.2	83.9	20 300*	54.2	85.8	24 100	58.9	87.1	22 800										32.0
34.0	41.4	80.2	15 400*	45.2	82.0	18 600*	50.6	84.2	22 300	55.4	85.8	21 000										34.0
36.0	36.8	77.6	14 300*	41.0	79.8	17 200*	46.7	82.4	20 700	51.8	84.3	19 500	59.6	86.3	17 600							36.0
38.0	31.5	74.6	13 300*	36.3	77.3	15 800*	42.5	80.3	19 200	48.0	82.6	18 200	56.1	85.0	16 300							38.0
40.0	25.3	70.8	12 600*	31.0	74.2	14 700*	38.0	77.9	18 000	43.9	80.6	16 900	52.6	83.6	15 200							40.0
42.0	17.1	65.5	12 200*	24.6	70.3	13 900*	32.9	75.0	16 800	39.6	78.3	15 800	48.8	81.9	14 200							42.0
44.0				16.1	64.7	13 300*	27.0	71.5	15 700	34.7	75.6	14 800	44.8	80.0	13 300	53.1	82.4	11 800				44.0
46.0							19.5	66.7	14 800	29.1	72.3	13 900	40.5	77.8	12 500	49.4	80.7	11 100				46.0
48.0										22.3	68.1	13 100	35.7	75.2	11 700	45.4	78.9	10 400				48.0
50.0										12.3	61.4	12 300	30.3	72.0	11 100	41.1	76.7	9 800	49.6	79.1	8 500	50.0
52.0													23.8	68.0	10 400	36.4	74.2	9 200	45.7	77.2	8 000	52.0
54.0													14.8	62.1	9 800	31.2	71.1	8 700	41.5	75.1	7 500	54.0
56.0																24.9	67.3	8 100	36.8	72.6	7 100	56.0
58.0																16.5	61.8	7 600	31.6	69.6	6 600	58.0
60.0																			25.4	65.8	6 200	60.0
62.0																			17.3	60.5	5 800	62.0

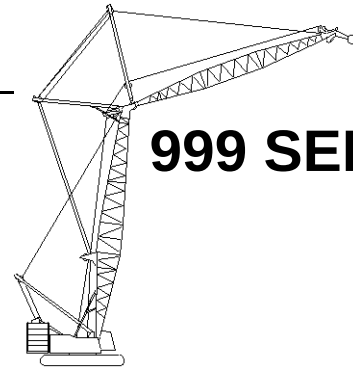


Liftcrane Luffing Jib Capacities

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**

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



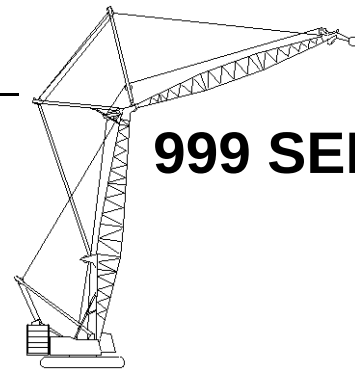
51.8m (170 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.3	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	29 500*													24.0
26.0	59.5	90.8	21 100*	62.3	91.7	25 300*	66.3	92.8	29 400													26.0
28.0	56.3	89.5	19 300*	59.2	90.6	23 400*	63.4	91.8	28 600													28.0
30.0	53.0	88.1	17 800*	56.0	89.3	21 600*	60.3	90.7	26 000	64.4	91.7	24 600										30.0
32.0	49.6	86.5	16 300*	52.7	87.8	19 900*	57.1	89.5	23 900	61.4	90.7	22 500										32.0
34.0	45.9	84.6	15 100*	49.2	86.2	18 300*	53.9	88.1	22 000	58.2	89.5	20 800										34.0
36.0	42.0	82.5	14 000*	45.5	84.3	16 800*	50.4	86.5	20 400	55.0	88.1	19 300										36.0
38.0	37.7	80.1	13 000*	41.6	82.2	15 600*	46.8	84.7	19 000	51.6	86.6	17 900	58.9	88.7	16 100							38.0
40.0	33.0	77.2	12 100*	37.3	79.7	14 500*	43.0	82.6	17 700	48.1	84.9	16 700	55.6	87.4	15 000							40.0
42.0	27.6	73.7	11 400*	32.6	76.8	13 400*	38.8	80.3	16 600	44.3	82.9	15 600	52.3	85.9	14 000							42.0
44.0	21.0	69.2	10 900*	27.1	73.2	12 600*	34.3	77.5	15 600	40.3	80.7	14 600	48.8	84.2	13 100							44.0
46.0				20.2	68.5	12 000*	29.1	74.2	14 600	35.9	78.1	13 700	45.1	82.3	12 300	52.8	84.7	10 800				46.0
48.0							22.8	70.0	13 700	30.9	75.0	12 900	41.1	80.1	11 500	49.3	83.0	10 100				48.0
50.0							14.1	63.9	12 900	25.1	71.2	12 200	36.8	77.6	10 800	45.7	81.2	9 500				50.0
52.0										17.6	65.9	11 500	32.0	74.6	10 200	41.7	79.0	8 900	49.6	81.4	7 700	52.0
54.0													26.4	71.0	9 600	37.5	76.6	8 400	45.9	79.5	7 200	54.0
56.0													19.3	66.1	9 000	32.7	73.7	7 900	42.0	77.4	6 800	56.0
58.0																27.3	70.1	7 400	37.8	75.0	6 400	58.0
60.0																20.5	65.5	7 000	33.1	72.1	6 000	60.0
62.0																9.9	57.9	6 600	27.7	68.7	5 600	62.0
64.0																			21.1	64.1	5 300	64.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.3	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	27 100*													26.0
28.0	58.9	93.2	18 800*	61.5	94.1	22 600*	65.3	95.2	27 000*													28.0
30.0	55.9	91.9	17 300*	58.6	92.9	21 000*	62.5	94.2	26 000	66.2	95.1	24 500										30.0
32.0	52.8	90.4	16 000*	55.6	91.6	19 500*	59.6	93.1	23 800	63.4	94.1	22 500										32.0
34.0	49.5	88.8	14 800*	52.4	90.1	18 000*	56.6	91.8	21 900	60.6	93.0	20 700										34.0
36.0	46.1	86.9	13 700*	49.2	88.5	16 600*	53.5	90.4	20 400	57.6	91.8	19 200										36.0
38.0	42.5	84.8	12 700*	45.8	86.6	15 300*	50.3	88.8	18 900	54.6	90.4	17 800										38.0
40.0	38.6	82.5	11 800*	42.1	84.5	14 200*	47.0	87.0	17 700	51.4	88.9	16 600	58.2	91.0	14 900							40.0
42.0	34.3	79.7	11 100*	38.2	82.1	13 300*	43.4	85.0	16 500	48.1	87.2	15 600	55.2	89.7	13 900							42.0
44.0	29.5	76.4	10 400*	33.9	79.3	12 300*	39.6	82.7	15 500	44.6	85.2	14 600	52.1	88.2	13 000							44.0
46.0	23.8	72.4	10 000*	29.0	76.0	11 600*	35.4	80.0	14 600	40.9	83.0	13 700	48.8	86.5	12 200	55.7	88.5	10 700				46.0
48.0	16.3	66.7	9 700*	23.2	71.8	11 000*	30.8	76.9	13 700	36.9	80.5	12 900	45.4	84.6	11 400	52.6	87.0	10 000				48.0
50.0				15.4	65.9	10 600*	25.4	73.1	12 900	32.4	77.6	12 100	41.7	82.5	10 700	49.3	85.3	9 400				50.0
52.0							18.5	68.0	12 200	27.3	74.0	11 400	37.7	80.0	10 100	45.9	83.5	8 800				52.0
54.0										21.1	69.5	10 800	33.4	77.2	9 500	42.2	81.4	8 300	49.6	83.7	7 100	54.0
56.0										12.0	62.5	10 100	28.4	73.8	9 000	38.3	79.0	7 800	46.2	81.9	6 700	56.0
58.0													22.5	69.5	8 500	34.0	76.2	7 400	42.5	79.8	6 300	58.0
60.0													14.3	63.3	8 000	29.2	72.9	7 000	38.6	77.4	5 900	60.0
62.0																23.4	68.8	6 500	34.4	74.6	5 500	62.0
64.0																15.8	63.0	6 100	29.6	71.4	5 200	64.0
66.0																			23.9	67.3	4 900	66.0
68.0																			16.5	61.7	4 500	68.0

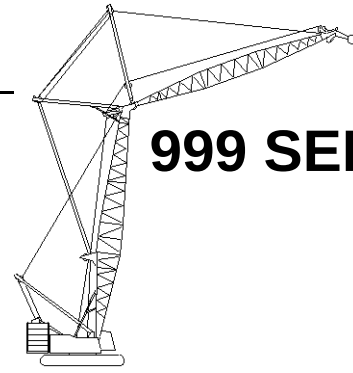


Liftcrane Luffing Jib Capacities

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**

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



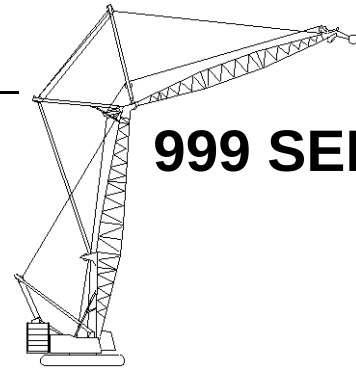
51.8m (170 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.3	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	24 700*													28.0
30.0	58.3	95.5	17 000*	60.7	96.5	20 500*	64.3	97.6	24 600*													30.0
32.0	55.4	94.2	15 700*	58.0	95.3	19 000*	61.7	96.6	23 600	65.2	97.5	22 200										32.0
34.0	52.5	92.7	14 600*	55.2	93.9	17 700*	59.0	95.4	21 800	62.6	96.5	20 500										34.0
36.0	49.5	91.1	13 500*	52.2	92.4	16 400*	56.2	94.1	20 200	59.9	95.4	18 900										36.0
38.0	46.3	89.2	12 600*	49.2	90.8	15 200*	53.3	92.7	18 700	57.1	94.1	17 600										38.0
40.0	42.9	87.2	11 700*	46.0	88.9	14 100*	50.3	91.1	17 500	54.3	92.8	16 400	60.4	94.6	14 600							40.0
42.0	39.3	84.8	10 900*	42.6	86.8	13 100*	47.1	89.3	16 300	51.3	91.2	15 300	57.7	93.4	13 600							42.0
44.0	35.4	82.2	10 200*	38.9	84.5	12 300*	43.8	87.3	15 300	48.2	89.5	14 300	54.8	92.0	12 700							44.0
46.0	31.1	79.1	9 600*	35.0	81.8	11 500*	40.2	85.0	14 400	44.9	87.6	13 400	51.9	90.5	11 900							46.0
48.0	26.1	75.3	9 100*	30.6	78.6	10 800*	36.4	82.5	13 500	41.5	85.4	12 600	48.8	88.8	11 200	55.3	90.8	9 800				48.0
50.0	19.9	70.5	8 800*	25.5	74.8	10 200*	32.2	79.5	12 700	37.7	82.9	11 900	45.6	86.9	10 500	52.3	89.3	9 200				50.0
52.0				19.2	69.8	9 800*	27.4	75.9	11 900*	33.7	80.1	11 200	42.2	84.8	9 900	49.3	87.6	8 600				52.0
54.0							21.6	71.4	11 200*	29.1	76.8	10 600	38.5	82.4	9 300	46.1	85.8	8 000				54.0
56.0							13.7	65.0	10 600*	23.7	72.7	10 000	34.5	79.7	8 800	42.7	83.7	7 600	49.5	86.0	6 400	56.0
58.0										16.8	67.1	9 400	30.1	76.5	8 300	39.1	81.4	7 100	46.3	84.2	6 000	58.0
60.0													24.9	72.5	7 800	35.1	78.7	6 700	43.0	82.1	5 600	60.0
62.0													18.4	67.4	7 300	30.8	75.5	6 300	39.4	79.8	5 300	62.0
64.0													7.5	58.3	6 900	25.7	71.7	5 900	35.4	77.1	4 900	64.0
66.0																19.5	66.8	5 600	31.1	74.0	4 600	66.0
68.0																9.9	58.9	5 200	26.1	70.3	4 300	68.0
70.0																			20.0	65.5	4 000	70.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
18.3	74.4	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	22 600*													30.0
32.0	57.8	97.9	15 300*	60.1	98.8	18 500*	63.5	100.0	22 500*	66.8	100.9	22 000										32.0
34.0	55.1	96.5	14 300*	57.5	97.6	17 300*	61.0	99.0	21 700	64.3	99.9	20 300										34.0
36.0	52.3	95.0	13 200*	54.8	96.3	16 100*	58.4	97.8	20 000	61.8	98.9	18 800										36.0
38.0	49.5	93.4	12 300*	52.0	94.7	15 000*	55.8	96.4	18 600	59.3	97.7	17 400										38.0
40.0	46.5	91.5	11 500*	49.2	93.1	14 000*	53.0	95.0	17 300	56.7	96.5	16 200	62.3	98.1	14 400							40.0
42.0	43.3	89.5	10 700*	46.2	91.2	13 000*	50.2	93.4	16 200	54.0	95.1	15 100	59.8	96.9	13 400							42.0
44.0	39.9	87.2	10 000*	43.0	89.2	12 100*	47.2	91.6	15 200	51.2	93.5	14 100	57.2	95.7	12 600							44.0
46.0	36.3	84.6	9 400*	39.6	86.9	11 300*	44.1	89.6	14 200	48.2	91.8	13 300	54.5	94.3	11 700							46.0
48.0	32.4	81.6	8 900*	36.0	84.2	10 600*	40.8	87.4	13 300	45.2	89.9	12 500	51.7	92.8	11 000							48.0
50.0	27.9	78.1	8 400*	31.9	81.2	10 000*	37.3	84.9	12 500*	41.9	87.7	11 700	48.8	91.1	10 300	54.9	93.1	9 000				50.0
52.0	22.6	73.8	8 100*	27.4	77.6	9 400*	33.4	82.0	11 800*	38.5	85.3	11 000	45.8	89.2	9 700	52.1	91.6	8 400				52.0
54.0	15.7	67.9	7 900*	22.0	73.2	9 000*	29.1	78.7	11 100*	34.7	82.6	10 400	42.6	87.1	9 100	49.3	89.9	7 900				54.0
56.0				14.9	67.1	8 700*	24.0	74.6	10 400*	30.6	79.4	9 800	39.2	84.8	8 600	46.3	88.1	7 400				56.0
58.0							17.7	69.2	9 800*	25.9	75.6	9 300	35.5	82.1	8 100	43.1	86.1	6 900	49.5	88.3	5 800	58.0
60.0										20.1	70.8	8 800	31.5	79.1	7 600	39.7	83.7	6 500	46.5	86.5	5 400	60.0
62.0										11.8	63.6	8 300	26.9	75.4	7 200	36.1	81.1	6 100	43.3	84.4	5 100	62.0
64.0													21.4	70.9	6 800	32.1	78.1	5 800	40.0	82.1	4 800	64.0
66.0													13.9	64.4	6 400	27.6	74.6	5 400	36.4	79.6	4 400	66.0
68.0																22.2	70.2	5 100	32.4	76.6	4 100	68.0
70.0																15.2	64.1	4 700	28.0	73.1	3 900	70.0
72.0																			22.7	68.8	3 600	72.0
74.0																			15.8	62.9	3 300	74.0

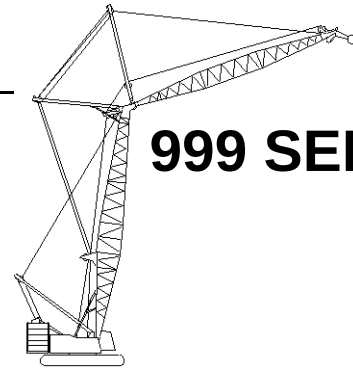


Liftcrane Luffing Jib Capacities

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**

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



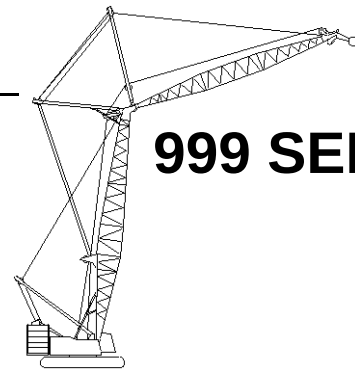
51.8m (170 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	75.3	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	20 700*													32.0
34.0	57.3	100.2	13 900*	59.5	101.2	16 700*	62.7	102.4	20 600	65.9	103.3	20 000										34.0
36.0	54.8	98.8	12 900*	57.0	99.9	15 700*	60.4	101.3	19 900	63.5	102.3	18 500										36.0
38.0	52.1	97.3	12 100*	54.5	98.6	14 700*	57.9	100.1	18 300	61.2	101.3	17 200										38.0
40.0	49.4	95.7	11 200*	51.9	97.0	13 700*	55.4	98.8	17 100	58.7	100.1	16 000										40.0
42.0	46.6	93.8	10 500*	49.2	95.4	12 800*	52.8	97.3	15 900	56.3	98.8	14 900	61.6	100.5	13 200							42.0
44.0	43.6	91.8	9 800*	46.3	93.5	11 900*	50.1	95.7	14 900	53.7	97.4	13 900	59.2	99.3	12 300							44.0
46.0	40.5	89.6	9 200*	43.3	91.5	11 100*	47.3	93.9	14 000*	51.0	95.8	13 000	56.8	98.0	11 500							46.0
48.0	37.1	87.0	8 700*	40.2	89.2	10 400*	44.4	91.9	13 000*	48.3	94.1	12 300	54.2	96.6	10 700							48.0
50.0	33.5	84.2	8 200*	36.8	86.7	9 800*	41.3	89.7	12 200*	45.4	92.2	11 500	51.6	95.1	10 100							50.0
52.0	29.4	80.9	7 800*	33.1	83.8	9 300*	38.0	87.3	11 500*	42.4	90.1	10 800	48.8	93.4	9 500	54.6	95.4	8 100				52.0
54.0	24.8	76.9	7 400*	29.0	80.4	8 700*	34.4	84.5	10 800*	39.1	87.7	10 200	46.0	91.5	8 900	52.0	93.9	7 600				54.0
56.0	19.1	71.8	7 200*	24.3	76.3	8 300*	30.5	81.3	10 100*	35.7	85.1	9 600	43.0	89.5	8 400	49.3	92.2	7 100				56.0
58.0				18.4	71.1	8 000*	26.0	77.5	9 500*	31.9	82.0	9 100	39.8	87.2	7 900	46.4	90.4	6 700	52.2	92.3	5 500	58.0
60.0							20.6	72.8	9 000*	27.6	78.5	8 600	36.4	84.6	7 400	43.4	88.4	6 300	49.5	90.6	5 200	60.0
62.0							13.3	66.1	8 400*	22.6	74.1	8 100	32.7	81.6	7 000	40.3	86.1	5 900	46.6	88.8	4 800	62.0
64.0										16.2	68.3	7 700	28.5	78.2	6 600	36.9	83.6	5 500	43.7	86.8	4 500	64.0
66.0													23.7	74.0	6 200	33.2	80.7	5 200	40.5	84.5	4 100	66.0
68.0													17.6	68.6	5 800	29.1	77.3	4 800	37.2	82.0	3 900	68.0
70.0													7.9	59.5	5 500	24.4	73.3	4 500	33.5	79.1	3 600	70.0
72.0																18.6	68.1	4 200	29.5	75.8	3 300	72.0
74.0																9.9	60.0	4 000	24.8	71.8	3 100	74.0
76.0																			19.2	66.8	2 800	76.0

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**

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



999 SERIES 3

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	18 900*	67.2	106.6	19 700										34.0
36.0	56.9	102.5	12 600*	59.0	103.6	15 200*	62.1	104.8	18 800*	65.0	105.7	18 400										36.0
38.0	54.5	101.1	11 800*	56.6	102.3	14 300*	59.8	103.7	18 200	62.8	104.7	17 100										38.0
40.0	52.0	99.6	11 000*	54.2	100.9	13 400*	57.5	102.4	17 000	60.6	103.6	15 900										40.0
42.0	49.4	98.0	10 300*	51.7	99.4	12 500*	55.1	101.1	15 900	58.3	102.4	14 800										42.0
44.0	46.7	96.1	9 600*	49.1	97.7	11 700*	52.6	99.6	14 800*	55.9	101.1	13 800	61.0	102.8	12 200							44.0
46.0	43.9	94.1	9 000*	46.5	95.8	11 000*	50.1	98.0	13 800*	53.5	99.7	12 900	58.7	101.6	11 400							46.0
48.0	41.0	91.9	8 500*	43.6	93.8	10 300*	47.4	96.2	12 900*	50.9	98.1	12 100	56.4	100.4	10 700							48.0
50.0	37.8	89.5	8 000*	40.7	91.6	9 700*	44.6	94.2	12 100*	48.3	96.4	11 400	53.9	98.9	10 000							50.0
52.0	34.4	86.7	7 600*	37.5	89.1	9 100*	41.7	92.1	11 400*	45.6	94.5	10 700	51.4	97.4	9 400	56.7	99.1	8 000				52.0
54.0	30.7	83.5	7 200*	34.1	86.3	8 600*	38.6	89.7	10 700*	42.7	92.4	10 100	48.9	95.7	8 800	54.3	97.7	7 500				54.0
56.0	26.5	79.8	6 900*	30.3	83.0	8 200*	35.3	87.0	10 000*	39.7	90.1	9 500	46.2	93.8	8 300	51.8	96.2	7 000				56.0
58.0	21.6	75.2	6 700*	26.1	79.3	7 700*	31.7	83.9	9 400*	36.5	87.5	9 000	43.3	91.8	7 800	49.2	94.5	6 600				58.0
60.0	15.2	69.1	6 600*	21.1	74.6	7 500*	27.7	80.4	8 800*	33.0	84.6	8 500	40.3	89.5	7 300	46.6	92.7	6 100	52.0	94.6	5 000	60.0
62.0				14.5	68.2	7 300*	23.0	76.1	8 300*	29.1	81.2	8 000	37.1	87.0	6 900	43.7	90.7	5 800	49.4	92.9	4 700	62.0
64.0							17.1	70.4	7 800*	24.6	77.2	7 600	33.7	84.2	6 500	40.8	88.5	5 400	46.8	91.1	4 400	64.0
66.0										19.3	72.1	7 200	29.9	80.9	6 100	37.6	86.0	5 100	44.0	89.1	4 100	66.0
68.0										11.6	64.7	6 700	25.6	77.0	5 800	34.2	83.2	4 700	41.0	86.9	3 800	68.0
70.0													20.4	72.2	5 400	30.5	80.0	4 500	37.9	84.4	3 500	70.0
72.0													13.5	65.5	5 100	26.3	76.2	4 200	34.5	81.6	3 300	72.0
74.0																21.3	71.6	3 900	30.8	78.5	3 000	74.0
76.0																14.7	65.3	3 600	26.6	74.7	2 800	76.0
78.0																			21.7	70.2	2 500	78.0
80.0																			15.3	64.1	2 300	80.0

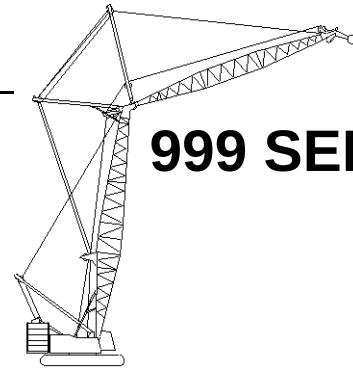


Liftcrane Luffing Jib Capacities

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

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



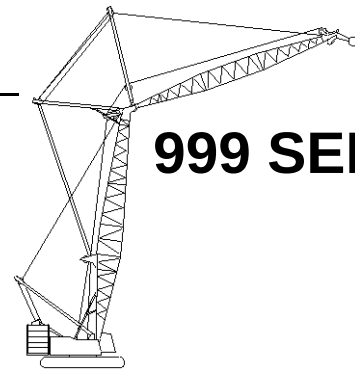
51.8m (170 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.4	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	17 200*	66.4	109.1	17 900							36.0
38.0	56.5	104.9	11 500*	58.5	105.9	13 900*	61.4	107.2	17 100*	64.3	108.1	16 900							38.0
40.0	54.2	103.5	10 700*	56.3	104.6	13 000*	59.3	106.0	16 700*	62.2	107.1	15 700							40.0
42.0	51.8	101.9	10 100*	54.0	103.2	12 300*	57.1	104.8	15 600*	60.0	106.0	14 600							42.0
44.0	49.4	100.3	9 400*	51.6	101.7	11 500*	54.8	103.4	14 500*	57.8	104.8	13 600							44.0
46.0	46.8	98.4	8 900*	49.1	100.0	10 800*	52.4	101.9	13 500*	55.6	103.4	12 700	60.5	105.2	11 100				46.0
48.0	44.2	96.5	8 300*	46.6	98.1	10 100*	50.0	100.3	12 600*	53.2	102.0	11 900	58.3	104.0	10 400				48.0
50.0	41.4	94.3	7 900*	43.9	96.1	9 500*	47.5	98.5	11 800*	50.8	100.4	11 200	56.0	102.7	9 700				50.0
52.0	38.5	91.8	7 400*	41.1	93.9	9 000*	44.9	96.6	11 000*	48.4	98.7	10 500	53.7	101.3	9 100				52.0
54.0	35.3	89.1	7 000*	38.2	91.5	8 500*	42.1	94.4	10 400*	45.8	96.8	9 900	51.3	99.7	8 600	56.3	101.5	7 200	54.0
56.0	31.9	86.1	6 700*	35.0	88.7	8 000*	39.2	92.1	9 700*	43.1	94.7	9 300	48.9	98.0	8 000	54.0	100.1	6 800	56.0
58.0	28.1	82.6	6 400*	31.5	85.7	7 600*	36.1	89.4	9 100*	40.2	92.5	8 800	46.3	96.2	7 500	51.7	98.5	6 300	58.0
60.0	23.7	78.4	6 200*	27.7	82.1	7 200*	32.8	86.5	8 500*	37.2	89.9	8 300	43.6	94.1	7 100	49.2	96.8	5 900	60.0
62.0	18.4	73.1	6 000*	23.2	77.8	6 900*	29.1	83.1	8 000*	33.9	87.1	7 800	40.8	91.9	6 700	46.7	95.0	5 500	62.0
64.0	10.7	65.1	5 900*	17.8	72.3	6 700*	24.9	79.1	7 500*	30.4	83.9	7 400	37.8	89.4	6 300	44.0	93.0	5 200	64.0
66.0							19.8	74.1	7 100*	26.3	80.1	7 000	34.6	86.6	5 900	41.2	90.8	4 800	66.0
68.0							13.0	67.2	6 600*	21.7	75.5	6 600	31.1	83.5	5 500	38.3	88.4	4 500	68.0
70.0										15.7	69.5	6 200	27.2	79.9	5 200	35.1	85.7	4 200	70.0
72.0													22.7	75.5	4 900	31.6	82.6	3 900	72.0
74.0													17.0	69.8	4 600	27.8	79.0	3 700	74.0
76.0													8.1	60.6	4 300	23.4	74.8	3 400	76.0
78.0																18.0	69.4	3 100	78.0
80.0																10.0	61.1	2 900	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**

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



999 SERIES 3

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	15 600*	65.6	111.5	16 600*							38.0
40.0	56.1	107.2	10 500*	58.1	108.2	12 700*	60.9	109.6	15 500*	63.6	110.6	15 500							40.0
42.0	54.0	105.8	9 900*	55.9	106.9	12 000*	58.8	108.4	15 300*	61.6	109.5	14 400							42.0
44.0	51.7	104.2	9 300*	53.7	105.5	11 300*	56.7	107.1	14 300*	59.5	108.4	13 400							44.0
46.0	49.4	102.6	8 700*	51.5	104.0	10 600*	54.5	105.7	13 300*	57.4	107.1	12 500	62.0	108.7	10 900				46.0
48.0	46.9	100.8	8 200*	49.1	102.3	10 000*	52.3	104.2	12 400*	55.3	105.8	11 800	59.9	107.6	10 200				48.0
50.0	44.4	98.8	7 700*	46.7	100.4	9 400*	50.0	102.6	11 600*	53.0	104.3	11 000	57.8	106.3	9 500				50.0
52.0	41.8	96.6	7 300*	44.2	98.5	8 800*	47.6	100.8	10 800*	50.8	102.7	10 300	55.7	105.0	8 900				52.0
54.0	39.0	94.2	6 900*	41.5	96.3	8 400*	45.1	98.9	10 200*	48.4	101.0	9 700	53.5	103.6	8 300				54.0
56.0	36.1	91.6	6 600*	38.7	93.9	7 900*	42.5	96.8	9 500*	45.9	99.1	9 100	51.2	102.0	7 800	56.0	103.8	6 600	56.0
58.0	32.9	88.6	6 200*	35.7	91.2	7 500*	39.7	94.4	8 900*	43.4	97.1	8 600	48.9	100.3	7 400	53.8	102.4	6 100	58.0
60.0	29.4	85.3	5 900*	32.5	88.2	7 100*	36.8	91.9	8 300*	40.7	94.8	8 100	46.4	98.5	6 900	51.6	100.8	5 700	60.0
62.0	25.4	81.4	5 700*	29.0	84.8	6 800*	33.7	89.0	7 800*	37.8	92.3	7 600	43.9	96.4	6 500	49.2	99.1	5 300	62.0
64.0	20.8	76.6	5 500*	25.0	80.8	6 500*	30.3	85.8	7 300*	34.8	89.6	7 200	41.2	94.2	6 100	46.8	97.3	5 000	64.0
66.0	14.8	70.2	5 400*	20.3	75.9	6 300*	26.5	82.0	6 900*	31.5	86.5	6 800	38.4	91.8	5 700	44.3	95.3	4 600	66.0
68.0				14.1	69.3	5 800*	22.0	77.5	6 400*	27.8	82.9	6 400	35.4	89.1	5 400	41.6	93.2	4 300	68.0
70.0							16.5	71.6	6 000*	23.6	78.7	6 000	32.1	86.1	5 000	38.8	90.8	4 000	70.0
72.0										18.6	73.4	5 700	28.6	82.6	4 700	35.9	88.1	3 800	72.0
74.0										11.5	65.8	5 300	24.5	78.6	4 400	32.6	85.1	3 500	74.0
76.0													19.7	73.5	4 100	29.1	81.7	3 200	76.0
78.0													13.2	66.6	3 900	25.1	77.8	3 000	78.0
80.0																20.5	72.9	2 800	80.0
82.0																14.3	66.4	2 500	82.0

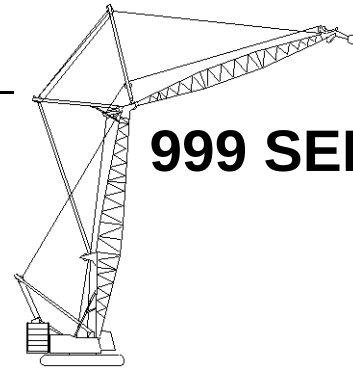


Liftcrane Luffing Jib Capacities

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

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



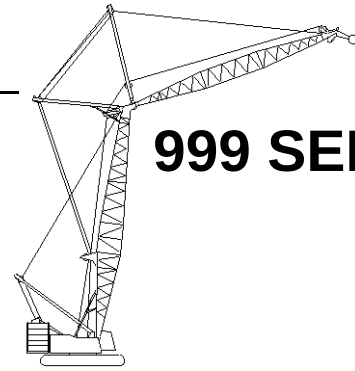
51.8m (170 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

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	14 100*	64.9	114.0	14 900				40.0
42.0	55.8	109.5	9 600*	57.7	110.6	11 600*	60.4	111.9	14 000*	63.0	113.0	14 200				42.0
44.0	53.7	108.1	9 000*	55.6	109.3	10 900*	58.4	110.7	13 900*	61.0	111.9	13 200				44.0
46.0	51.6	106.5	8 500*	53.5	107.8	10 300*	56.4	109.4	13 000*	59.1	110.7	12 300				46.0
48.0	49.3	104.9	8 000*	51.4	106.3	9 800*	54.3	108.0	12 100*	57.0	109.5	11 500	61.4	111.1	10 000	48.0
50.0	47.0	103.1	7 500*	49.1	104.6	9 200*	52.1	106.5	11 300*	55.0	108.1	10 800	59.5	109.9	9 300	50.0
52.0	44.6	101.1	7 100*	46.8	102.8	8 700*	49.9	104.9	10 500*	52.9	106.6	10 100	57.5	108.7	8 700	52.0
54.0	42.1	98.9	6 700*	44.4	100.8	8 200*	47.6	103.1	9 800*	50.7	105.0	9 500	55.4	107.3	8 100	54.0
56.0	39.5	96.6	6 400*	41.9	98.6	7 800*	45.3	101.2	9 200*	48.4	103.3	8 900	53.3	105.9	7 600	56.0
58.0	36.7	94.0	6 100*	39.2	96.2	7 300*	42.8	99.1	8 600*	46.1	101.4	8 400	51.1	104.3	7 100	58.0
60.0	33.7	91.2	5 800*	36.4	93.6	7 000*	40.2	96.8	8 100*	43.6	99.4	7 900	48.9	102.6	6 700	60.0
62.0	30.5	87.9	5 500*	33.4	90.7	6 600*	37.4	94.3	7 500*	41.1	97.2	7 400	46.5	100.8	6 200	62.0
64.0	26.9	84.2	5 300*	30.2	87.5	6 300*	34.5	91.5	7 000*	38.4	94.7	7 000	44.1	98.8	5 800	64.0
66.0	22.8	79.8	5 100*	26.5	83.7	6 100*	31.3	88.4	6 600*	35.5	92.0	6 600	41.6	96.6	5 500	66.0
68.0	17.8	74.3	5 000*	22.3	79.2	5 800*	27.8	84.8	6 100*	32.4	89.0	6 200	38.9	94.2	5 100	68.0
70.0	10.6	66.2	4 300*	17.2	73.6	5 300*	23.9	80.6	5 700*	29.1	85.6	5 900	36.1	91.6	4 800	70.0
72.0							19.1	75.4	5 400*	25.3	81.7	5 500*	33.1	88.6	4 500	72.0
74.0							12.8	68.3	4 900*	20.9	76.9	5 100*	29.8	85.3	4 200	74.0
76.0										15.2	70.6	4 700*	26.1	81.5	3 900	76.0
78.0													21.8	76.9	3 600	78.0
80.0													16.5	71.0	3 400	80.0
82.0													8.3	61.7	3 100	82.0

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

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



999 SERIES 3

51.8m (170 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

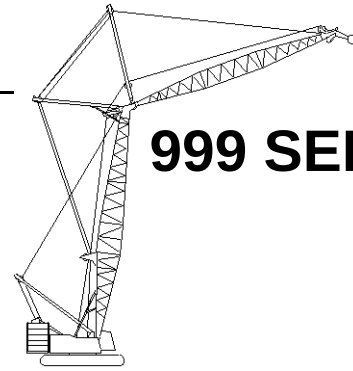
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing 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	13 500*	66.1	117.3	14 500				40.0
42.0	57.5	113.2	8 800*	59.3	114.2	10 600*	61.8	115.4	13 300*	64.3	116.4	14 100				42.0
44.0	55.5	111.8	8 300*	57.3	112.9	10 000*	59.9	114.3	12 800*	62.4	115.4	13 100				44.0
46.0	53.5	110.4	7 800*	55.4	111.6	9 500*	58.0	113.1	12 200*	60.6	114.3	12 200				46.0
48.0	51.5	108.8	7 400*	53.3	110.1	9 000*	56.0	111.8	11 600*	58.7	113.1	11 400				48.0
50.0	49.3	107.2	7 000*	51.3	108.6	8 500*	54.0	110.3	11 100*	56.7	111.8	10 700	60.9	113.4	9 200	50.0
52.0	47.1	105.4	6 500*	49.1	106.9	8 000*	52.0	108.8	10 400*	54.7	110.4	10 000	59.0	112.3	8 500	52.0
54.0	44.8	103.4	6 200*	46.9	105.1	7 600*	49.9	107.2	9 700*	52.7	108.9	9 400	57.1	111.0	8 000	54.0
56.0	42.5	101.3	5 900*	44.6	103.1	7 200*	47.7	105.4	9 000*	50.6	107.3	8 800	55.1	109.6	7 400	56.0
58.0	40.0	99.0	5 600*	42.2	100.9	6 800*	45.4	103.5	8 400*	48.4	105.6	8 300	53.1	108.2	7 000	58.0
60.0	37.3	96.4	5 300*	39.7	98.6	6 400*	43.1	101.4	7 900*	46.2	103.7	7 700	51.0	106.6	6 500	60.0
62.0	34.5	93.7	5 000*	37.1	96.1	6 100*	40.6	99.2	7 400*	43.9	101.7	7 300	48.9	104.9	6 100	62.0
64.0	31.5	90.5	4 800*	34.2	93.2	5 800*	38.0	96.7	6 900*	41.5	99.5	6 900	46.7	103.1	5 700	64.0
66.0	28.2	87.0	4 700*	31.2	90.1	5 600*	35.2	94.0	6 400*	38.9	97.1	6 500	44.4	101.1	5 400	66.0
68.0	24.4	82.9	4 500*	27.8	86.5	5 300*	32.3	90.9	6 000*	36.2	94.5	6 100	41.9	98.9	5 000	68.0
70.0	20.1	77.9	4 400*	24.1	82.3	5 200*	29.0	87.5	5 600*	33.3	91.6	5 700*	39.4	96.6	4 700	70.0
72.0	14.5	71.4	4 000*	19.6	77.3	4 900*	25.4	83.6	5 200*	30.2	88.3	5 300*	36.8	94.0	4 400	72.0
74.0				13.8	70.5	4 200*	21.2	78.9	4 800*	26.7	84.5	4 900*	33.9	91.1	4 100	74.0
76.0							16.0	72.8	4 500*	22.7	80.1	4 600*	30.8	87.9	3 800	76.0
78.0										18.0	74.7	4 300*	27.4	84.3	3 500	78.0
80.0										11.4	66.8	3 900*	23.6	80.1	3 300	80.0
82.0													19.0	74.8	3 000	82.0
84.0													13.0	67.7	2 800	84.0



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

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



999 SERIES 3

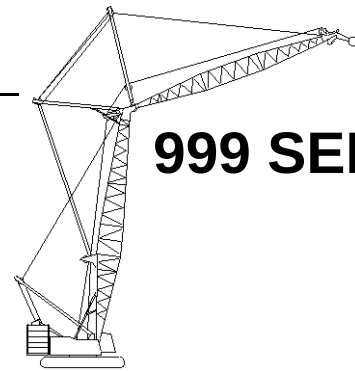
51.8m (170 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	12 900*	40.0
42.0	59.0	116.8	8 500*	60.7	117.7	10 200*	63.1	118.9	11 900*	65.4	119.7	12 900*	42.0
44.0	57.2	115.5	8 100*	58.8	116.5	9 700*	61.3	117.8	11 900*	63.7	118.8	12 800	44.0
46.0	55.3	114.2	7 600*	57.0	115.3	9 200*	59.5	116.7	11 700*	61.9	117.7	11 900	46.0
48.0	53.3	112.7	7 200*	55.1	113.9	8 800*	57.6	115.4	11 200*	60.1	116.6	11 100	48.0
50.0	51.4	111.1	6 800*	53.2	112.4	8 300*	55.8	114.1	10 700*	58.3	115.4	10 400	50.0
52.0	49.3	109.5	6 400*	51.2	110.9	7 800*	53.8	112.7	10 000*	56.4	114.1	9 800	52.0
54.0	47.2	107.7	6 100*	49.1	109.2	7 400*	51.9	111.1	9 400*	54.5	112.7	9 100	54.0
56.0	45.0	105.7	5 800*	47.0	107.4	7 000*	49.8	109.5	8 700*	52.5	111.2	8 600	56.0
58.0	42.8	103.6	5 500*	44.8	105.4	6 700*	47.7	107.7	8 100*	50.5	109.6	8 000	58.0
60.0	40.4	101.3	5 200*	42.5	103.3	6 300*	45.6	105.8	7 600*	48.5	107.9	7 600	60.0
62.0	37.9	98.8	5 000*	40.1	101.0	6 000*	43.3	103.7	7 100*	46.3	106.0	7 100	62.0
64.0	35.2	96.1	4 700*	37.6	98.5	5 700*	41.0	101.5	6 600*	44.1	104.0	6 700	64.0
66.0	32.4	93.1	4 500*	35.0	95.7	5 500*	38.5	99.1	6 100*	41.8	101.9	6 200*	66.0
68.0	29.3	89.7	4 300*	32.1	92.7	5 200*	35.9	96.4	5 700*	39.4	99.5	5 800*	68.0
70.0	25.9	85.8	4 200*	29.0	89.2	5 000*	33.1	93.5	5 300*	36.8	96.9	5 400*	70.0
72.0	22.0	81.3	3 900*	25.5	85.3	4 600*	30.1	90.2	4 900*	34.1	94.1	5 000*	72.0
74.0	17.2	75.5	3 500*	21.6	80.6	4 300*	26.8	86.4	4 600*	31.2	90.9	4 700*	74.0
76.0	10.6	67.3	2 900*	16.7	74.8	3 900*	23.0	82.1	4 200*	28.0	87.3	4 300*	76.0
78.0							18.5	76.7	3 900*	24.4	83.2	4 000*	78.0
80.0							12.6	69.4	3 500*	20.2	78.2	3 600*	80.0
82.0										14.9	71.8	3 400*	82.0

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**

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



999 SERIES 3

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	43 800b													20.0
22.0	34.2	68.9	30 900*	42.6	71.3	36 700*	53.2	73.7	40 000b	62.3	75.1	37 900b										22.0
24.0	22.4	65.1	28 800*	33.7	68.7	33 200*	46.0	71.9	35 700	55.9	73.9	33 900b										24.0
26.0							37.8	69.6	32 200	49.1	72.3	30 700										26.0
28.0							27.5	66.4	29 300	41.4	70.2	27 900	58.1	73.2	25 500b							28.0
30.0										32.2	67.4	25 500	51.4	71.7	23 300							30.0
32.0										19.2	63.1	23 500	44.0	69.8	21 500							32.0
34.0													35.4	67.3	19 800	53.3	70.7	18 000b				34.0
36.0													24.3	63.7	18 400	46.1	68.9	16 600				36.0
38.0																37.9	66.6	15 500				38.0
40.0																27.7	63.4	14 400	47.6	67.4	12 900	40.0
42.0																			39.7	65.2	12 000	42.0
44.0																			30.0	62.3	11 200	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	42 400*b													20.0
22.0	43.8	73.9	29 300*	50.0	75.6	35 200*	58.4	77.4	39 500b	66.0	78.5	37 600b										22.0
24.0	36.3	71.4	26 700*	43.5	73.7	31 900*	52.6	76.0	35 500	60.7	77.5	33 600										24.0
26.0	27.2	68.1	24 700*	36.0	71.2	28 900*	46.4	74.2	32 100	55.1	76.2	30 400										26.0
28.0				26.7	67.8	26 700*	39.3	72.0	29 200	49.1	74.6	27 700										28.0
30.0							31.0	69.1	26 700	42.4	72.5	25 400	57.0	75.5	23 100							30.0
32.0							19.6	64.6	24 600	34.7	70.0	23 300	51.1	74.0	21 200							32.0
34.0										25.0	66.3	21 500	44.7	72.2	19 600							34.0
36.0													37.4	69.8	18 200	52.8	73.0	16 400				36.0
38.0													28.5	66.6	16 900	46.5	71.2	15 200				38.0
40.0																39.5	69.0	14 100				40.0
42.0																31.2	66.1	13 200	47.8	69.7	11 800	42.0
44.0																19.9	61.7	12 400	41.0	67.6	11 000	44.0
46.0																			33.0	64.9	10 300	46.0
48.0																			22.6	60.9	9 600	48.0

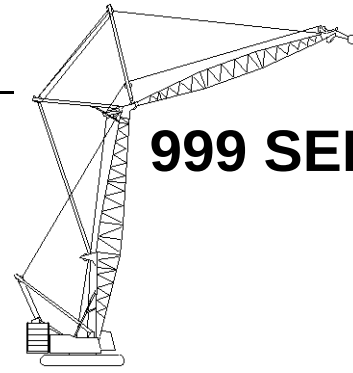


Liftcrane Luffing Jib Capacities

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

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



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

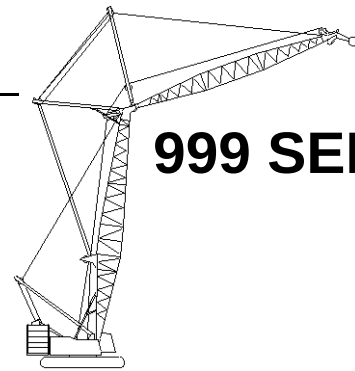
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
13.7	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	41 200*b													20.0
22.0	50.2	78.1	28 400*	55.2	79.5	34 100*	62.3	81.0	38 700b													22.0
24.0	44.4	76.2	25 700*	49.9	77.9	30 900*	57.4	79.8	35 400	64.2	80.9	33 500										24.0
26.0	37.9	73.8	23 400*	44.1	76.0	28 100*	52.2	78.3	31 900	59.5	79.8	30 200										26.0
28.0	30.3	70.8	21 600*	37.6	73.6	25 500*	46.7	76.5	29 100	54.4	78.5	27 500										28.0
30.0	20.2	66.4	20 500*	30.0	70.5	23 500*	40.5	74.4	26 600	49.1	76.9	25 200										30.0
32.0				19.7	66.0	22 100*	33.4	71.6	24 500	43.2	74.9	23 200	56.1	77.9	21 000							32.0
34.0							24.6	67.9	22 700	36.5	72.4	21 500	50.9	76.3	19 500							34.0
36.0										28.6	69.2	19 900	45.2	74.5	18 000							36.0
38.0										17.6	64.3	18 500	38.8	72.2	16 700	52.4	75.3	15 000				38.0
40.0													31.4	69.3	15 600	46.8	73.5	14 000				40.0
42.0													21.8	65.1	14 600	40.7	71.4	13 100				42.0
44.0																33.6	68.7	12 200	47.9	72.0	10 800	44.0
46.0																24.8	65.0	11 500	41.9	70.0	10 100	46.0
48.0																			35.1	67.4	9 500	48.0
50.0																			26.8	63.9	8 900	50.0



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**

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



999 SERIES 3

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	38 400*b													20.0
22.0	54.8	82.0	27 700*	59.2	83.1	33 000*	65.3	84.4	37 300*													22.0
24.0	50.0	80.4	25 000*	54.6	81.8	30 100*	61.0	83.3	34 900													24.0
26.0	44.9	78.5	22 800*	49.8	80.2	27 400*	56.6	82.1	31 700	62.8	83.3	30 000										26.0
28.0	39.2	76.2	20 800*	44.6	78.3	25 000*	51.9	80.6	28 900	58.5	82.2	27 300										28.0
30.0	32.7	73.4	19 200*	38.9	76.0	22 900*	46.9	78.8	26 400	53.9	80.8	25 000										30.0
32.0	24.6	69.6	18 100*	32.3	73.1	21 000*	41.4	76.7	24 300	49.1	79.2	23 000	59.9	81.5	20 700							32.0
34.0				24.2	69.3	19 600*	35.3	74.1	22 500	43.8	77.2	21 200	55.4	80.2	19 100							34.0
36.0							28.0	70.8	20 800	38.0	74.8	19 700	50.7	78.6	17 800							36.0
38.0							18.0	65.9	19 400	31.2	71.9	18 300	45.6	76.8	16 500							38.0
40.0										22.7	67.8	17 100	40.0	74.6	15 400	52.0	77.6	13 700				40.0
42.0													33.6	71.8	14 400	47.0	75.8	12 800				42.0
44.0													25.8	68.2	13 500	41.6	73.7	12 000				44.0
46.0																35.4	71.2	11 200	48.1	74.3	9 800	46.0
48.0																28.1	67.8	10 500	42.7	72.3	9 200	48.0
50.0																18.3	63.0	9 900	36.7	69.8	8 600	50.0
52.0																			29.7	66.7	8 100	52.0
54.0																			20.6	62.3	7 600	54.0

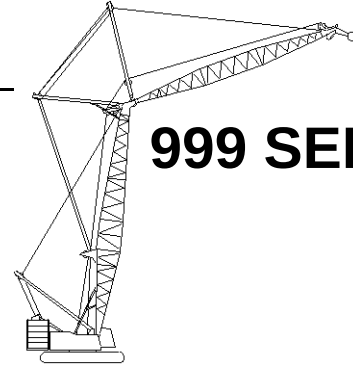


Liftcrane Luffing Jib Capacities

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**

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



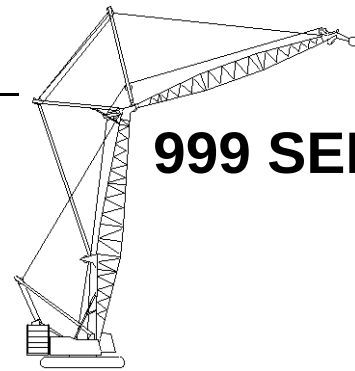
54.9m (180 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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*b																			13.7
14.0	73.5	89.3	30 700*b																			14.0
16.0	69.9	88.6	29 600*b																			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	35 100*													22.0
24.0	54.3	84.3	24 300*	58.3	85.5	29 100*	63.9	86.8	34 100*													24.0
26.0	49.9	82.7	22 000*	54.1	84.1	26 600*	60.0	85.7	31 700	65.5	86.7	29 900										26.0
28.0	45.3	80.8	20 200*	49.7	82.5	24 400*	55.9	84.4	28 800	61.6	85.7	27 200										28.0
30.0	40.2	78.6	18 500*	45.1	80.6	22 300*	51.7	82.9	26 400	57.6	84.5	24 900										30.0
32.0	34.4	75.9	17 100*	39.9	78.4	20 500*	47.1	81.2	24 300	53.5	83.1	22 900	62.9	85.0	20 700							32.0
34.0	27.7	72.5	16 000*	34.2	75.7	18 800*	42.2	79.1	22 400	49.0	81.5	21 200	59.0	83.8	19 100							34.0
36.0	18.7	67.7	15 300*	27.3	72.2	17 500*	36.7	76.6	20 800	44.3	79.5	19 600	54.9	82.5	17 700							36.0
38.0				18.3	67.3	16 600*	30.4	73.5	19 400	39.1	77.2	18 300	50.5	80.9	16 400							38.0
40.0							22.6	69.4	18 100	33.2	74.4	17 100	45.9	79.1	15 400	56.0	81.4	13 600				40.0
42.0										26.1	70.8	16 000	40.9	76.9	14 300	51.7	79.9	12 700				42.0
44.0										16.4	65.5	15 000	35.2	74.3	13 500	47.2	78.1	11 900				44.0
46.0													28.6	71.0	12 600	42.3	76.1	11 100				46.0
48.0													20.1	66.5	11 800	36.8	73.6	10 500	48.1	76.6	9 100	48.0
50.0																30.6	70.5	9 800	43.3	74.6	8 600	50.0
52.0																22.8	66.4	9 200	38.0	72.2	8 000	52.0
54.0																			31.9	69.3	7 500	54.0
56.0																			24.5	65.5	7 100	56.0

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**

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



999 SERIES 3

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	32 500*													22.0
24.0	57.7	88.0	23 400*	61.2	89.0	28 100*	66.2	90.2	32 100*													24.0
26.0	53.9	86.6	21 400*	57.5	87.8	25 800*	62.7	89.2	31 300	67.6	90.1	29 700										26.0
28.0	49.9	85.0	19 600*	53.7	86.4	23 700*	59.1	88.0	28 600	64.2	89.2	26 900										28.0
30.0	45.6	83.1	18 100*	49.7	84.8	21 800*	55.4	86.7	26 200	60.6	88.1	24 700										30.0
32.0	41.0	81.0	16 600*	45.4	82.9	20 000*	51.4	85.2	24 100	57.0	86.8	22 700										32.0
34.0	35.9	78.4	15 300*	40.8	80.7	18 400*	47.3	83.5	22 300	53.1	85.4	20 900	61.8	87.4	18 800							34.0
36.0	30.0	75.2	14 300*	35.6	78.1	17 000*	42.8	81.4	20 600	49.0	83.8	19 400	58.2	86.2	17 400							36.0
38.0	22.8	71.1	13 600*	29.7	74.9	15 800*	37.9	79.0	19 200	44.7	81.8	18 100	54.4	84.8	16 200							38.0
40.0				22.4	70.7	14 900*	32.4	76.1	18 000	40.0	79.6	16 900	50.4	83.2	15 100							40.0
42.0							25.8	72.4	16 800	34.8	76.9	15 800	46.2	81.4	14 100	55.5	83.7	12 400				42.0
44.0							16.9	67.1	15 700	28.7	73.6	14 800	41.6	79.3	13 200	51.5	82.2	11 600				44.0
46.0										21.1	69.2	13 900	36.6	76.8	12 400	47.4	80.4	10 900				46.0
48.0													30.8	73.7	11 600	42.9	78.4	10 200				48.0
50.0													23.8	69.7	10 900	38.0	76.0	9 600	48.2	78.9	8 200	50.0
52.0																32.5	73.1	9 000	43.8	77.0	7 800	52.0
54.0																25.9	69.4	8 500	39.0	74.6	7 300	54.0
56.0																17.1	64.2	8 000	33.6	71.9	6 800	56.0
58.0																			27.4	68.4	6 400	58.0
60.0																			19.2	63.6	6 000	60.0

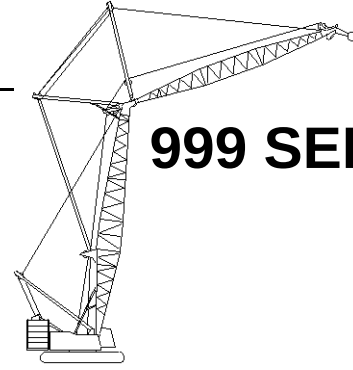


Liftcrane Luffing Jib Capacities

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**

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



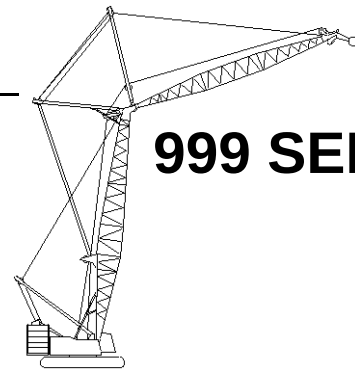
54.9m (180 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	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	29 800*													24.0
26.0	57.1	90.3	20 800*	60.3	91.4	25 000*	65.0	92.6	29 500*													26.0
28.0	53.5	88.9	19 100*	56.9	90.1	23 100*	61.7	91.6	28 600	66.3	92.5	26 800										28.0
30.0	49.8	87.3	17 600*	53.4	88.7	21 300*	58.4	90.4	26 000	63.1	91.6	24 500										30.0
32.0	45.9	85.5	16 200*	49.6	87.1	19 600*	54.9	89.0	23 900	59.8	90.4	22 500										32.0
34.0	41.6	83.3	15 000*	45.7	85.2	18 100*	51.2	87.5	22 100	56.4	89.2	20 800										34.0
36.0	37.0	80.8	13 900*	41.4	83.1	16 700*	47.4	85.8	20 500	52.8	87.7	19 300	60.9	89.7	17 200							36.0
38.0	31.8	77.8	13 000*	36.8	80.6	15 500*	43.3	83.7	19 100	49.0	86.1	17 900	57.5	88.5	16 000							38.0
40.0	25.7	74.1	12 300*	31.6	77.6	14 400*	38.8	81.4	17 800	45.0	84.2	16 700	54.0	87.1	14 900							40.0
42.0	17.7	68.9	11 800*	25.4	73.8	13 500*	33.9	78.6	16 700	40.8	82.0	15 600	50.3	85.5	13 900							42.0
44.0				17.2	68.5	13 000*	28.2	75.2	15 600	36.0	79.4	14 600	46.4	83.7	13 000	55.0	86.0	11 400				44.0
46.0							21.1	70.8	14 700	30.7	76.3	13 800	42.2	81.6	12 200	51.3	84.5	10 700				46.0
48.0										24.3	72.3	12 900	37.6	79.2	11 500	47.5	82.7	10 000				48.0
50.0										15.6	66.7	12 200	32.5	76.3	10 800	43.4	80.7	9 400				50.0
52.0													26.6	72.7	10 100	38.9	78.4	8 800	48.3	81.2	7 600	52.0
54.0													18.9	67.8	9 600	34.0	75.6	8 300	44.2	79.3	7 100	54.0
56.0																28.3	72.3	7 800	39.9	77.0	6 600	56.0
58.0																21.3	67.8	7 400	35.0	74.3	6 200	58.0
60.0																			29.5	71.1	5 800	60.0
62.0																			22.8	66.9	5 500	62.0
64.0																			13.2	60.6	5 100	64.0

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**

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



999 SERIES 3

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	27 400*													26.0
28.0	56.5	92.7	18 600*	59.6	93.8	22 400*	63.9	95.0	27 100*													28.0
30.0	53.2	91.2	17 100*	56.4	92.5	20 700*	60.9	93.9	25 900	65.2	95.0	24 200										30.0
32.0	49.7	89.6	15 800*	53.1	91.0	19 100*	57.7	92.7	23 700	62.2	93.9	22 200										32.0
34.0	46.1	87.8	14 600*	49.6	89.4	17 700*	54.5	91.4	21 900	59.1	92.8	20 500										34.0
36.0	42.2	85.7	13 600*	45.9	87.6	16 300*	51.1	89.8	20 300	55.9	91.5	19 000										36.0
38.0	38.0	83.2	12 600*	42.0	85.4	15 100*	47.5	88.1	18 800	52.5	90.0	17 700	60.1	92.1	15 700							38.0
40.0	33.3	80.4	11 800*	37.8	83.0	14 100*	43.7	86.1	17 600	49.0	88.4	16 500	56.9	90.8	14 600							40.0
42.0	28.0	77.0	11 100*	33.1	80.1	13 200*	39.6	83.8	16 400	45.3	86.5	15 400	53.6	89.4	13 600							42.0
44.0	21.4	72.5	10 600*	27.7	76.7	12 300*	35.2	81.1	15 400	41.4	84.3	14 400	50.2	87.8	12 800							44.0
46.0				21.1	72.1	11 700*	30.1	77.9	14 500*	37.1	81.8	13 500	46.6	86.0	11 900	54.6	88.3	10 400				46.0
48.0							24.1	73.9	13 600*	32.3	78.9	12 700	42.7	84.0	11 200	51.2	86.8	9 700				48.0
50.0							16.1	68.3	12 800*	26.8	75.3	12 000	38.6	81.6	10 600	47.6	85.0	9 200				50.0
52.0										19.8	70.5	11 300	34.0	78.8	9 900	43.8	83.1	8 600	51.9	85.2	7 300	52.0
54.0													28.7	75.5	9 300	39.7	80.8	8 000	48.3	83.5	6 800	54.0
56.0													22.4	71.2	8 800	35.3	78.1	7 600	44.6	81.6	6 400	56.0
58.0																30.2	75.0	7 100	40.6	79.4	6 000	58.0
60.0																24.3	71.0	6 700	36.2	76.8	5 600	60.0
62.0																16.3	65.4	6 300	31.3	73.7	5 200	62.0
64.0																			25.6	70.0	4 900	64.0
66.0																			18.2	64.8	4 600	66.0

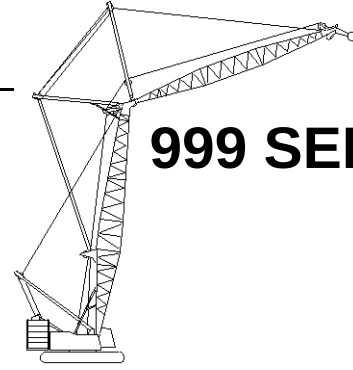


Liftcrane Luffing Jib Capacities

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**

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



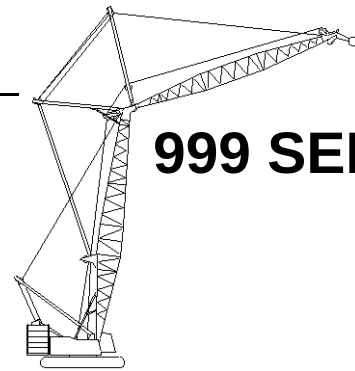
54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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	25 100*													28.0
30.0	56.0	95.0	16 800*	58.9	96.1	20 300*	63.0	97.4	24 800*													30.0
32.0	52.9	93.5	15 600*	55.9	94.8	18 800*	60.1	96.3	23 600	64.2	97.4	22 100										32.0
34.0	49.7	91.9	14 400*	52.8	93.3	17 500*	57.2	95.1	21 800	61.3	96.3	20 400										34.0
36.0	46.3	90.1	13 400*	49.5	91.7	16 200*	54.1	93.7	20 200	58.4	95.1	18 900										36.0
38.0	42.7	88.0	12 400*	46.1	89.9	15 000*	51.0	92.1	18 800	55.4	93.8	17 600										38.0
40.0	38.8	85.6	11 600*	42.5	87.8	14 000*	47.6	90.4	17 500	52.3	92.3	16 400	59.4	94.5	14 500							40.0
42.0	34.6	82.9	10 800*	38.6	85.4	13 000*	44.1	88.4	16 400	49.0	90.7	15 300	56.4	93.2	13 600							42.0
44.0	29.8	79.7	10 200*	34.4	82.6	12 200*	40.3	86.1	15 300*	45.6	88.8	14 400	53.3	91.7	12 700							44.0
46.0	24.2	75.6	9 700*	29.6	79.4	11 400*	36.2	83.6	14 400*	41.9	86.7	13 500	50.1	90.1	11 900	57.2	92.0	10 300				46.0
48.0	16.8	70.2	9 500*	23.9	75.3	10 800*	31.7	80.5	13 500*	38.0	84.2	12 700	46.7	88.3	11 200	54.2	90.7	9 600				48.0
50.0				16.4	69.7	10 400*	26.5	76.9	12 700*	33.7	81.4	11 900	43.2	86.3	10 500	51.0	89.1	9 100				50.0
52.0							20.0	72.1	11 900*	28.7	78.0	11 200	39.3	84.0	9 900	47.7	87.4	8 500				52.0
54.0										22.9	73.8	10 600	35.1	81.3	9 300	44.2	85.4	8 000	51.7	87.5	6 700	54.0
56.0										15.0	67.8	10 000	30.4	78.1	8 800	40.4	83.1	7 500	48.4	85.8	6 300	56.0
58.0													25.0	74.2	8 300	36.3	80.6	7 100	44.9	83.9	5 900	58.0
60.0													18.0	69.0	7 800	31.8	77.6	6 600	41.2	81.7	5 500	60.0
62.0																26.6	73.9	6 200	37.2	79.2	5 200	62.0
64.0																20.1	69.2	5 800	32.7	76.3	4 800	64.0
66.0																			27.7	72.8	4 500	66.0
68.0																			21.6	68.3	4 200	68.0
70.0																			12.8	61.7	3 900	70.0

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**

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



999 SERIES 3

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.4	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	23 100*													28.0
30.0	58.4	98.6	16 300*	61.0	99.6	19 600*	64.8	100.8	23 000*													30.0
32.0	55.6	97.3	15 100*	58.3	98.5	18 200*	62.2	99.8	22 800*	65.9	100.8	21 900										32.0
34.0	52.7	95.8	14 000*	55.5	97.1	17 000*	59.5	98.7	21 600	63.3	99.8	20 200										34.0
36.0	49.6	94.2	13 000*	52.6	95.6	15 800*	56.7	97.4	20 000	60.6	98.7	18 700										36.0
38.0	46.5	92.4	12 100*	49.5	94.0	14 700*	53.8	96.0	18 600	57.9	97.5	17 300										38.0
40.0	43.1	90.3	11 300*	46.3	92.2	13 600*	50.8	94.4	17 300	55.0	96.1	16 200	61.5	98.0	14 300							40.0
42.0	39.5	88.0	10 600*	42.9	90.1	12 700*	47.7	92.7	16 200*	52.1	94.6	15 100	58.8	96.8	13 300							42.0
44.0	35.6	85.4	9 900*	39.3	87.8	11 900*	44.4	90.7	15 100*	49.0	93.0	14 100	56.0	95.5	12 400							44.0
46.0	31.3	82.3	9 400*	35.4	85.1	11 100*	40.9	88.5	14 100*	45.8	91.1	13 300	53.1	94.1	11 600							46.0
48.0	26.3	78.6	8 900*	31.1	82.0	10 500*	37.1	86.0	13 200*	42.4	89.0	12 400	50.1	92.4	10 900	56.8	94.4	9 400				48.0
50.0	20.3	73.8	8 600*	26.1	78.3	9 900*	33.0	83.1	12 400*	38.8	86.6	11 700	46.9	90.6	10 200	53.9	93.0	8 800				50.0
52.0				20.0	73.5	9 500*	28.3	79.7	11 700*	34.8	83.9	11 000	43.6	88.6	9 600	50.9	91.4	8 200				52.0
54.0							22.8	75.4	11 000*	30.4	80.7	10 400	40.0	86.3	9 100	47.8	89.7	7 700				54.0
56.0							15.5	69.5	10 300*	25.3	76.8	9 800	36.1	83.7	8 500	44.5	87.7	7 200				56.0
58.0										18.9	71.8	9 300	31.9	80.7	8 000	41.0	85.5	6 800	48.4	88.1	5 600	58.0
60.0													27.0	77.1	7 600	37.2	83.0	6 400	45.2	86.2	5 200	60.0
62.0													21.2	72.6	7 100	33.1	80.1	6 000	41.7	84.1	4 900	62.0
64.0													13.0	65.9	6 700	28.4	76.7	5 600	38.0	81.6	4 600	64.0
66.0																22.9	72.4	5 300	34.0	78.8	4 300	66.0
68.0																15.6	66.6	5 000	29.4	75.5	4 000	68.0
70.0																			24.1	71.5	3 700	70.0
72.0																			17.3	66.1	3 400	72.0

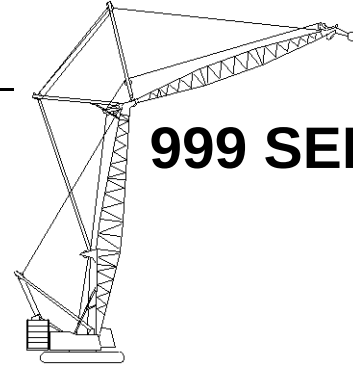


Liftcrane Luffing Jib Capacities

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**

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



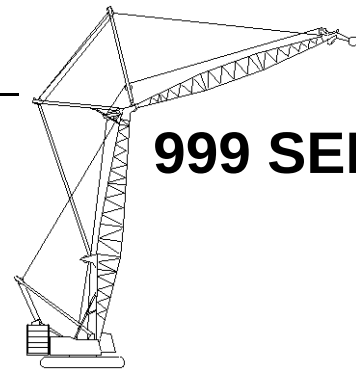
54.9m (180 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	21 300*													30.0
32.0	57.9	101.0	14 700*	60.4	102.0	17 700*	63.9	103.2	21 200*	67.4	104.1	21 700										32.0
34.0	55.2	99.6	13 700*	57.8	100.8	16 600*	61.5	102.2	20 900*	65.0	103.2	20 000										34.0
36.0	52.5	98.1	12 800*	55.1	99.4	15 500*	58.9	101.0	19 800	62.5	102.2	18 500										36.0
38.0	49.6	96.5	11 900*	52.3	98.0	14 400*	56.3	99.7	18 400	60.0	101.1	17 200										38.0
40.0	46.6	94.7	11 100*	49.5	96.3	13 500*	53.5	98.3	17 100*	57.4	99.8	16 000										40.0
42.0	43.5	92.7	10 400*	46.5	94.5	12 500*	50.7	96.7	15 900*	54.7	98.5	14 900	60.8	100.3	13 100							42.0
44.0	40.1	90.4	9 700*	43.3	92.4	11 700*	47.8	95.0	14 900*	51.9	96.9	14 000	58.2	99.1	12 200							44.0
46.0	36.5	87.8	9 100*	40.0	90.2	11 000*	44.7	93.0	13 900*	49.0	95.3	13 100	55.6	97.8	11 400							46.0
48.0	32.6	84.9	8 600*	36.4	87.6	10 300*	41.4	90.8	13 000*	46.0	93.4	12 300	52.8	96.4	10 700							48.0
50.0	28.1	81.4	8 200*	32.4	84.6	9 700*	37.9	88.4	12 200*	42.8	91.3	11 500	50.0	94.7	10 000	56.3	96.7	8 600				50.0
52.0	22.9	77.1	7 900*	27.9	81.1	9 200*	34.1	85.6	11 400*	39.4	89.0	10 900	47.0	92.9	9 400	53.6	95.3	8 000				52.0
54.0	16.2	71.3	7 700*	22.7	76.8	8 800*	29.9	82.4	10 800*	35.8	86.4	10 200	43.9	90.9	8 900	50.8	93.7	7 500				54.0
56.0				15.8	70.9	8 500*	25.0	78.4	10 100*	31.7	83.3	9 700	40.6	88.7	8 400	47.8	92.0	7 000				56.0
58.0							19.0	73.4	9 500*	27.2	79.7	9 100	37.0	86.2	7 900	44.8	90.0	6 600	51.4	92.1	5 400	58.0
60.0										21.7	75.2	8 600	33.1	83.3	7 400	41.5	87.8	6 200	48.4	90.4	5 000	60.0
62.0										14.5	69.0	8 100	28.8	79.9	7 000	38.0	85.4	5 800	45.4	88.5	4 700	62.0
64.0													23.7	75.7	6 600	34.2	82.6	5 400	42.2	86.4	4 400	64.0
66.0													17.2	70.3	6 200	30.0	79.4	5 100	38.7	84.0	4 100	66.0
68.0																25.2	75.5	4 800	35.0	81.3	3 800	68.0
70.0																19.2	70.5	4 500	30.9	78.2	3 500	70.0
72.0																			26.2	74.4	3 300	72.0
74.0																			20.5	69.7	3 000	74.0
76.0																			12.5	62.8	2 800	76.0

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**

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



999 SERIES 3

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	19 500*										32.0
34.0	57.4	103.3	13 300*	59.8	104.4	16 000*	63.2	105.6	19 400*	66.5	106.5	19 800							34.0
36.0	54.9	101.9	12 400*	57.3	103.1	15 000*	60.8	104.6	19 100*	64.2	105.6	18 300							36.0
38.0	52.3	100.4	11 600*	54.8	101.8	14 100*	58.4	103.4	18 100*	61.8	104.6	16 900							38.0
40.0	49.6	98.8	10 800*	52.2	100.3	13 200*	55.9	102.0	16 800*	59.4	103.4	15 700							40.0
42.0	46.8	97.0	10 100*	49.5	98.6	12 300*	53.3	100.6	15 600*	56.9	102.2	14 700							42.0
44.0	43.8	95.0	9 500*	46.6	96.8	11 500*	50.6	99.0	14 600*	54.4	100.8	13 700	60.2	102.7	12 000				44.0
46.0	40.7	92.7	8 900*	43.7	94.8	10 800*	47.9	97.3	13 600*	51.8	99.2	12 800	57.7	101.5	11 200				46.0
48.0	37.3	90.2	8 400*	40.5	92.5	10 100*	44.9	95.3	12 700*	49.0	97.6	12 000	55.2	100.1	10 400				48.0
50.0	33.7	87.4	7 900*	37.2	90.0	9 500*	41.9	93.2	11 900*	46.2	95.7	11 300	52.6	98.7	9 800				50.0
52.0	29.6	84.1	7 500*	33.5	87.1	9 000*	38.6	90.8	11 200*	43.2	93.7	10 600	49.9	97.0	9 200	55.9	99.0	7 700	52.0
54.0	25.0	80.2	7 200*	29.5	83.8	8 500*	35.1	88.1	10 500*	40.0	91.4	10 100	47.1	95.2	8 600	53.3	97.6	7 200	54.0
56.0	19.4	75.2	7 000*	24.8	79.8	8 100*	31.2	85.0	9 900*	36.6	88.8	9 500	44.2	93.3	8 100	50.7	96.0	6 800	56.0
58.0				19.1	74.8	7 800*	26.9	81.3	9 300*	32.9	85.9	8 900	41.1	91.1	7 600	47.9	94.3	6 300	58.0
60.0							21.7	76.8	8 700*	28.8	82.5	8 400	37.8	88.6	7 200	45.0	92.3	5 900	60.0
62.0							14.9	70.6	8 200*	24.0	78.4	8 000	34.2	85.8	6 800	42.0	90.2	5 600	62.0
64.0										18.1	73.1	7 500	30.2	82.6	6 300	38.7	87.8	5 200	64.0
66.0													25.7	78.7	6 000	35.2	85.1	4 900	66.0
68.0													20.2	73.9	5 600	31.3	82.0	4 600	68.0
70.0													12.7	67.0	5 300	27.0	78.4	4 300	70.0
72.0																21.9	73.9	4 000	72.0
74.0																15.1	67.7	3 700	74.0

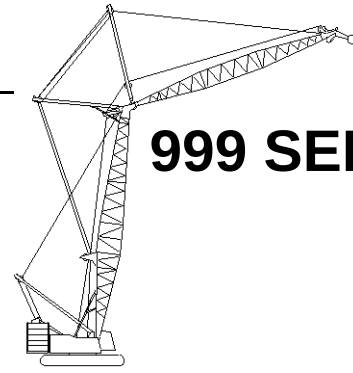


Liftcrane Luffing Jib Capacities

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**

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



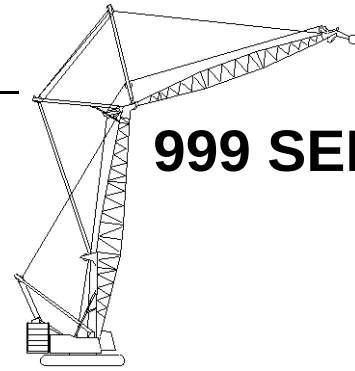
54.9m (180 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

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	17 900*										34.0
36.0	57.0	105.6	12 100*	59.2	106.7	14 600*	62.5	108.0	17 800*	65.6	109.0	18 100							36.0
38.0	54.6	104.3	11 300*	56.9	105.5	13 700*	60.2	106.9	17 400*	63.4	108.0	16 800							38.0
40.0	52.1	102.8	10 600*	54.5	104.1	12 900*	57.9	105.7	16 600*	61.2	106.9	15 700							40.0
42.0	49.5	101.1	9 900*	52.0	102.6	12 100*	55.5	104.4	15 500*	58.9	105.8	14 600							42.0
44.0	46.9	99.3	9 300*	49.4	100.9	11 300*	53.1	102.9	14 400*	56.5	104.5	13 600							44.0
46.0	44.1	97.3	8 700*	46.8	99.1	10 600*	50.5	101.3	13 500*	54.1	103.1	12 800	59.6	105.1	11 000				46.0
48.0	41.1	95.1	8 200*	44.0	97.1	10 000*	47.9	99.6	12 600*	51.6	101.5	11 900	57.3	103.8	10 300				48.0
50.0	38.0	92.6	7 800*	41.0	94.9	9 300*	45.2	97.6	11 800*	49.0	99.9	11 200	54.9	102.5	9 700				50.0
52.0	34.6	89.9	7 400*	37.9	92.4	8 800*	42.3	95.5	11 000*	46.3	98.0	10 600	52.4	101.0	9 100				52.0
54.0	30.9	86.7	7 000*	34.5	89.6	8 300*	39.2	93.2	10 300*	43.5	96.0	10 000	49.9	99.3	8 500	55.6	101.4	7 100	54.0
56.0	26.8	83.0	6 700*	30.8	86.5	8 000*	36.0	90.5	9 700*	40.5	93.7	9 400	47.2	97.5	8 000	53.1	99.9	6 700	56.0
58.0	21.9	78.5	6 400*	26.6	82.7	7 500*	32.4	87.6	9 100*	37.4	91.2	8 800	44.5	95.6	7 500	50.6	98.3	6 200	58.0
60.0	15.6	72.5	6 300*	21.7	78.2	7 200*	28.4	84.1	8 600*	33.9	88.4	8 300	41.5	93.4	7 100	48.0	96.6	5 800	60.0
62.0				15.3	72.1	7 000*	23.9	80.0	8 100*	30.2	85.1	7 900	38.4	91.0	6 700	45.2	94.6	5 500	62.0
64.0							18.3	74.7	7 600*	25.9	81.3	7 400	35.1	88.3	6 300	42.3	92.5	5 100	64.0
66.0										20.8	76.6	7 000	31.4	85.2	5 900	39.3	90.2	4 800	66.0
68.0										14.1	70.1	6 600	27.4	81.6	5 500	36.0	87.5	4 500	68.0
70.0													22.6	77.2	5 200	32.5	84.6	4 200	70.0
72.0													16.6	71.5	4 900	28.5	81.1	3 900	72.0
74.0																24.0	77.0	3 600	74.0
76.0																18.4	71.7	3 400	76.0

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**

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



999 SERIES 3

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	16 300*	66.9	112.3	17 200*							36.0
38.0	56.6	108.0	11 000*	58.7	109.1	13 300*	61.8	110.4	16 200*	64.8	111.4	16 600							38.0
40.0	54.3	106.6	10 300*	56.5	107.8	12 500*	59.7	109.3	16 000*	62.7	110.4	15 400							40.0
42.0	52.0	105.1	9 700*	54.2	106.4	11 800*	57.5	108.0	15 100*	60.6	109.3	14 300							42.0
44.0	49.5	103.4	9 100*	51.9	104.9	11 000*	55.2	106.7	14 100*	58.4	108.1	13 400							44.0
46.0	47.0	101.6	8 500*	49.4	103.2	10 400*	52.9	105.2	13 200*	56.2	106.8	12 500	61.3	108.6	10 800				46.0
48.0	44.3	99.6	8 000*	46.9	101.4	9 800*	50.5	103.6	12 300*	53.9	105.4	11 700	59.1	107.4	10 100				48.0
50.0	41.6	97.4	7 500*	44.2	99.4	9 200*	48.0	101.9	11 500*	51.5	103.8	11 000	56.9	106.2	9 400				50.0
52.0	38.6	95.0	7 200*	41.4	97.2	8 700*	45.4	100.0	10 800*	49.0	102.2	10 300	54.6	104.8	8 800				52.0
54.0	35.5	92.3	6 800*	38.5	94.8	8 200*	42.6	97.9	10 100*	46.5	100.3	9 700	52.3	103.3	8 300				54.0
56.0	32.1	89.3	6 500*	35.3	92.1	7 700*	39.8	95.5	9 500*	43.8	98.3	9 100	49.8	101.6	7 800	55.3	103.7	6 400	56.0
58.0	28.3	85.8	6 200*	31.9	89.0	7 300*	36.7	93.0	8 900*	41.0	96.1	8 600	47.3	99.9	7 300	52.9	102.2	6 000	58.0
60.0	23.9	81.7	5 900*	28.1	85.5	7 000*	33.4	90.1	8 300*	38.0	93.6	8 100	44.7	97.9	6 900	50.5	100.6	5 600	60.0
62.0	18.7	76.4	5 800*	23.7	81.3	6 700*	29.8	86.8	7 800*	34.8	90.9	7 700	41.9	95.7	6 400	48.0	98.9	5 200	62.0
64.0	11.2	68.7	5 800*	18.4	76.0	6 500*	25.7	82.9	7 300*	31.3	87.8	7 200	39.0	93.4	6 000	45.4	97.0	4 900	64.0
66.0							20.8	78.2	6 800*	27.5	84.2	6 800	35.9	90.7	5 700	42.7	94.9	4 500	66.0
68.0							14.5	71.8	6 400*	23.0	79.8	6 400	32.5	87.7	5 300	39.8	92.5	4 200	68.0
70.0										17.4	74.3	6 100	28.8	84.3	5 000	36.8	90.0	4 000	70.0
72.0													24.5	80.3	4 700	33.5	87.1	3 700	72.0
74.0													19.4	75.2	4 400	29.9	83.8	3 400	74.0
76.0													12.4	68.0	4 100	25.8	80.0	3 100	76.0
78.0																21.0	75.2	2 900	78.0
80.0																14.7	68.9	2 700	80.0

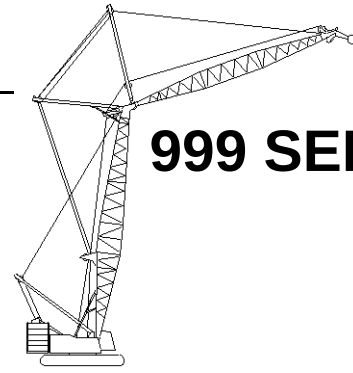


Liftcrane Luffing Jib Capacities

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

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



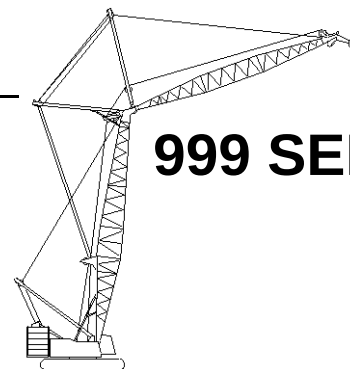
54.9m (180 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

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	14 900*	66.1	114.8	15 700*				38.0
40.0	56.3	110.3	10 000*	58.3	111.4	12 200*	61.3	112.8	14 800*	64.1	113.8	15 300				40.0
42.0	54.1	108.9	9 400*	56.2	110.1	11 500*	59.2	111.6	14 600*	62.1	112.8	14 200				42.0
44.0	51.8	107.4	8 900*	54.0	108.7	10 800*	57.1	110.4	13 900*	60.1	111.7	13 200				44.0
46.0	49.5	105.7	8 400*	51.7	107.2	10 200*	54.9	109.0	12 900*	58.0	110.5	12 400				46.0
48.0	47.1	103.9	7 900*	49.4	105.5	9 600*	52.7	107.5	12 100*	55.8	109.1	11 500	60.8	111.0	9 900	48.0
50.0	44.6	101.9	7 400*	47.0	103.7	9 100*	50.4	105.9	11 300*	53.6	107.7	10 800	58.7	109.8	9 200	50.0
52.0	41.9	99.8	7 000*	44.5	101.7	8 500*	48.0	104.2	10 500*	51.4	106.1	10 100	56.5	108.5	8 600	52.0
54.0	39.2	97.4	6 600*	41.8	99.6	8 000*	45.5	102.3	9 800*	49.0	104.5	9 600	54.4	107.1	8 100	54.0
56.0	36.2	94.8	6 300*	39.0	97.2	7 600*	43.0	100.2	9 200*	46.6	102.6	9 000	52.1	105.6	7 600	56.0
58.0	33.0	91.9	6 000*	36.1	94.5	7 200*	40.2	97.9	8 600*	44.1	100.6	8 500	49.8	103.9	7 100	58.0
60.0	29.6	88.5	5 700*	32.9	91.6	6 800*	37.4	95.4	8 000*	41.4	98.4	7 900	47.4	102.2	6 700	60.0
62.0	25.6	84.6	5 500*	29.4	88.2	6 600*	34.3	92.6	7 500*	38.6	96.0	7 500	44.9	100.2	6 200	62.0
64.0	21.1	79.9	5 300*	25.5	84.3	6 300*	30.9	89.4	7 100*	35.6	93.3	7 100	42.3	98.1	5 800	64.0
66.0	15.2	73.7	5 300*	20.8	79.6	6 100*	27.2	85.8	6 600*	32.4	90.3	6 700	39.5	95.7	5 500	66.0
68.0				14.9	73.2	5 800*	22.9	81.4	6 200*	28.8	86.9	6 300	36.6	93.2	5 100	68.0
70.0							17.7	75.9	5 800*	24.8	82.9	5 900*	33.5	90.3	4 800	70.0
72.0										20.0	77.9	5 500*	30.0	87.0	4 500	72.0
74.0										13.7	71.2	5 100*	26.2	83.2	4 200	74.0
76.0													21.7	78.6	4 000	76.0
78.0													16.1	72.6	3 700	78.0

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

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



999 SERIES 3

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	13 500*	65.4	117.2	14 300*				40.0
42.0	55.9	112.6	9 200*	57.9	113.8	11 100*	60.7	115.2	13 400*	63.5	116.2	13 900				42.0
44.0	53.8	111.2	8 600*	55.9	112.4	10 500*	58.8	114.0	13 300*	61.6	115.2	13 000				44.0
46.0	51.7	109.7	8 100*	53.8	111.0	9 900*	56.7	112.7	12 600*	59.6	114.0	12 100				46.0
48.0	49.5	108.0	7 700*	51.6	109.5	9 400*	54.7	111.3	11 700*	57.6	112.8	11 300	62.2	114.4	9 600	48.0
50.0	47.2	106.2	7 200*	49.4	107.8	8 800*	52.5	109.8	10 900*	55.5	111.5	10 600	60.3	113.3	9 000	50.0
52.0	44.8	104.2	6 900*	47.1	106.0	8 300*	50.3	108.2	10 200*	53.4	110.0	9 900	58.3	112.1	8 400	52.0
54.0	42.3	102.1	6 400*	44.7	104.0	7 900*	48.1	106.5	9 500*	51.3	108.5	9 300	56.2	110.8	7 800	54.0
56.0	39.7	99.8	6 100*	42.2	101.9	7 500*	45.7	104.6	8 900*	49.0	106.8	8 800	54.1	109.4	7 300	56.0
58.0	36.9	97.2	5 800*	39.5	99.6	7 100*	43.3	102.5	8 300*	46.7	104.9	8 200	52.0	107.9	6 900	58.0
60.0	33.9	94.4	5 600*	36.7	97.0	6 700*	40.7	100.3	7 800*	44.3	102.9	7 800	49.8	106.2	6 400	60.0
62.0	30.7	91.2	5 300*	33.8	94.1	6 400*	38.0	97.8	7 300*	41.8	100.8	7 300	47.5	104.5	6 000	62.0
64.0	27.1	87.5	5 100*	30.5	90.9	6 100*	35.1	95.1	6 800*	39.1	98.4	6 800	45.1	102.5	5 600	64.0
66.0	23.0	83.1	5 000*	26.9	87.2	5 900*	31.9	92.0	6 300*	36.3	95.8	6 400*	42.6	100.4	5 300	66.0
68.0	18.1	77.7	4 800*	22.8	82.8	5 600*	28.5	88.5	5 900*	33.3	92.9	6 000*	40.0	98.1	4 900	68.0
70.0	11.1	69.8	4 400*	17.8	77.3	5 200*	24.7	84.5	5 500*	30.0	89.6	5 600*	37.3	95.6	4 600	70.0
72.0							20.1	79.5	5 100*	26.3	85.8	5 200*	34.3	92.8	4 300	72.0
74.0							14.2	72.9	4 800*	22.1	81.3	4 800*	31.1	89.6	4 000	74.0
76.0										16.9	75.5	4 500*	27.6	86.0	3 700	76.0
78.0													23.6	81.8	3 500	78.0
80.0													18.8	76.5	3 200	80.0
82.0													12.2	69.1	3 000	82.0

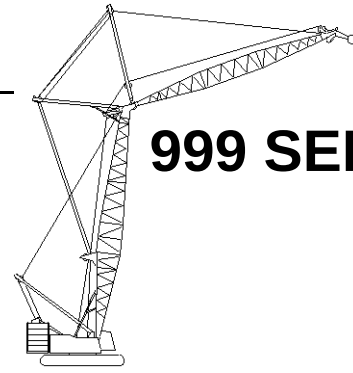


Liftcrane Luffing Jib Capacities

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

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



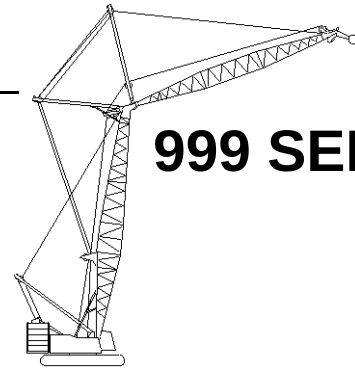
54.9m (180 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

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	12 900*	66.5	120.5	13 900*	40.0
42.0	57.6	116.3	8 400*	59.5	117.3	10 200*	62.1	118.7	12 700*	64.7	119.6	13 600	42.0
44.0	55.7	115.0	7 900*	57.5	116.1	9 600*	60.3	117.5	12 200*	62.9	118.6	12 800	44.0
46.0	53.6	113.5	7 500*	55.6	114.8	9 100*	58.4	116.3	11 700*	61.1	117.6	11 900	46.0
48.0	51.6	112.0	7 000*	53.6	113.3	8 600*	56.4	115.0	11 100*	59.2	116.4	11 200	48.0
50.0	49.4	110.3	6 700*	51.5	111.8	8 100*	54.4	113.6	10 600*	57.2	115.1	10 400	50.0
52.0	47.2	108.5	6 300*	49.4	110.1	7 700*	52.4	112.1	10 100*	55.3	113.8	9 800	52.0
54.0	45.0	106.6	6 000*	47.2	108.3	7 300*	50.3	110.5	9 300*	53.2	112.3	9 200	54.0
56.0	42.6	104.4	5 600*	44.9	106.3	6 900*	48.1	108.8	8 700*	51.2	110.8	8 600	56.0
58.0	40.1	102.1	5 300*	42.5	104.2	6 500*	45.9	106.9	8 100*	49.0	109.1	8 100	58.0
60.0	37.5	99.6	5 100*	40.0	101.9	6 200*	43.5	104.8	7 600*	46.8	107.2	7 600	60.0
62.0	34.7	96.9	4 900*	37.4	99.4	5 900*	41.1	102.6	7 100*	44.5	105.3	7 100	62.0
64.0	31.7	93.8	4 600*	34.5	96.6	5 600*	38.5	100.2	6 600*	42.1	103.1	6 700*	64.0
66.0	28.4	90.2	4 500*	31.5	93.5	5 300*	35.8	97.5	6 200*	39.6	100.8	6 200*	66.0
68.0	24.7	86.2	4 300*	28.2	90.0	5 100*	32.8	94.6	5 700*	36.9	98.2	5 800*	68.0
70.0	20.3	81.3	4 300*	24.5	85.9	4 900*	29.7	91.2	5 400*	34.1	95.4	5 400*	70.0
72.0	14.8	74.8	3 900*	20.1	80.9	4 700*	26.1	87.4	5 000*	31.0	92.2	5 000*	72.0
74.0				14.5	74.4	4 200*	22.1	82.8	4 600*	27.7	88.6	4 700*	74.0
76.0							17.1	77.1	4 200*	23.9	84.4	4 300*	76.0
78.0										19.4	79.3	4 000*	78.0
80.0										13.4	72.3	3 700*	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

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



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	12 400*	40.0
42.0	59.1	119.9	8 100*	60.9	120.9	9 800*	63.4	122.1	11 500*	65.9	123.0	12 400*	42.0
44.0	57.3	118.6	7 700*	59.0	119.7	9 300*	61.6	121.0	11 400*	64.1	122.0	12 400*	44.0
46.0	55.4	117.3	7 300*	57.2	118.4	8 800*	59.8	119.9	11 200*	62.4	121.0	11 700	46.0
48.0	53.5	115.8	6 900*	55.3	117.1	8 400*	58.0	118.7	10 700*	60.6	119.9	11 000	48.0
50.0	51.5	114.3	6 500*	53.4	115.6	7 900*	56.1	117.4	10 200*	58.8	118.7	10 200	50.0
52.0	49.4	112.6	6 100*	51.4	114.1	7 500*	54.2	116.0	9 700*	56.9	117.5	9 600	52.0
54.0	47.3	110.8	5 800*	49.3	112.4	7 100*	52.2	114.4	9 100*	55.0	116.1	9 000	54.0
56.0	45.1	108.9	5 500*	47.2	110.6	6 700*	50.2	112.8	8 500*	53.1	114.6	8 400	56.0
58.0	42.9	106.8	5 200*	45.0	108.7	6 400*	48.1	111.1	7 900*	51.1	113.1	7 900	58.0
60.0	40.5	104.5	5 000*	42.8	106.6	6 100*	46.0	109.2	7 300*	49.0	111.4	7 300*	60.0
62.0	38.0	102.0	4 700*	40.4	104.3	5 800*	43.8	107.2	6 800*	46.9	109.5	6 800*	62.0
64.0	35.4	99.3	4 500*	37.9	101.8	5 500*	41.4	105.0	6 300*	44.7	107.6	6 300*	64.0
66.0	32.5	96.3	4 300*	35.3	99.1	5 200*	39.0	102.6	5 900*	42.4	105.4	5 900*	66.0
68.0	29.5	92.9	4 200*	32.4	96.0	5 000*	36.4	100.0	5 500*	40.0	103.1	5 500*	68.0
70.0	26.1	89.1	4 000*	29.3	92.7	4 800*	33.7	97.1	5 100*	37.5	100.6	5 100*	70.0
72.0	22.2	84.6	3 700*	25.9	88.8	4 400*	30.7	93.9	4 700*	34.8	97.9	4 700*	72.0
74.0	17.5	78.9	3 400*	22.0	84.2	4 100*	27.4	90.2	4 300*	32.0	94.8	4 400*	74.0
76.0	11.0	70.9	3 000*	17.3	78.5	3 700*	23.8	86.0	4 000*	28.8	91.3	4 000*	76.0
78.0							19.4	80.8	3 700*	25.4	87.4	3 700*	78.0
80.0							13.9	74.0	3 400*	21.4	82.7	3 400*	80.0
82.0										16.4	76.7	3 100*	82.0

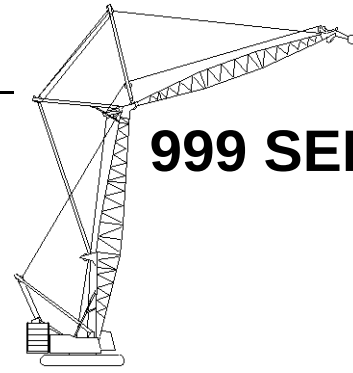


Liftcrane Luffing Jib Capacities

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

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



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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	60.0	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	41 200*b													20.0
22.0	34.7	72.2	28 400*	43.5	74.6	33 600*	54.4	77.0	38 200*b													22.0
24.0	23.2	68.4	26 500*	34.8	72.1	30 500*	47.4	75.3	34 300*	57.7	77.2	33 600b										24.0
26.0				23.3	68.3	28 200*	39.4	73.1	31 100*	51.0	75.7	30 300b										26.0
28.0							29.6	70.1	28 400*	43.5	73.8	27 600	60.6	76.6	25 000b							28.0
30.0							14.7	64.9	26 000*	34.8	71.3	25 300	54.1	75.3	22 800b							30.0
32.0										23.4	67.5	23 200	47.1	73.6	21 000							32.0
34.0													39.0	71.4	19 400							34.0
36.0													29.2	68.3	18 000	50.0	72.8	16 100				36.0
38.0													13.7	62.9	16 700	42.4	70.8	15 000				38.0
40.0																33.4	68.1	14 000				40.0
42.0																21.3	64.0	13 000				42.0
44.0																			44.9	69.5	11 500	44.0
46.0																			36.5	67.1	10 700	46.0
																			25.8	63.6	10 000	46.0

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

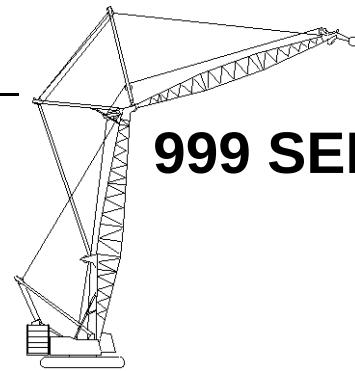
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity 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	39 500*b													20.0
22.0	44.2	77.0	27 200*	50.7	78.8	32 500*	59.4	80.7	37 000*b													22.0
24.0	36.8	74.6	24 800*	44.2	76.9	29 500*	53.7	79.3	34 100*	62.1	80.8	33 300b										24.0
26.0	27.7	71.3	23 000*	36.8	74.5	26 800*	47.6	77.6	30 800*	56.6	79.5	30 100										26.0
28.0				27.8	71.2	24 700*	40.7	75.5	28 100*	50.7	78.0	27 300										28.0
30.0				14.0	65.7	23 300*	32.7	72.7	25 800*	44.2	76.1	25 000	59.2	79.0	22 600							30.0
32.0							22.1	68.7	23 700*	36.9	73.7	23 000	53.5	77.6	20 800							32.0
34.0										27.8	70.4	21 300	47.3	75.9	19 200							34.0
36.0										14.1	65.0	19 700	40.4	73.7	17 800							36.0
38.0													32.3	70.9	16 500	49.8	75.1	14 700				38.0
40.0													21.5	66.8	15 400	43.3	73.1	13 700				40.0
42.0																35.7	70.6	12 800				42.0
44.0																26.4	67.1	12 000	45.5	71.8	10 500	44.0
46.0																			38.3	69.5	9 700	46.0
48.0																			29.7	66.4	9 100	48.0
50.0																			17.5	61.6	8 500	50.0



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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	67.2	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	37 500*b													20.0
22.0	50.5	81.2	26 300*	55.8	82.7	31 300*	63.2	84.2	36 200*b													22.0
24.0	44.7	79.4	23 800*	50.5	81.1	28 500*	58.3	83.0	33 600*													24.0
26.0	38.3	77.0	21 800*	44.8	79.2	26 000*	53.2	81.6	30 600*	60.8	83.1	29 900										26.0
28.0	30.8	74.0	20 100*	38.4	76.9	23 700*	47.7	79.9	27 900*	55.8	81.9	27 200										28.0
30.0	20.9	69.8	19 000*	30.9	73.9	21 800*	41.7	77.8	25 600*	50.5	80.3	24 900										30.0
32.0				21.0	69.7	20 500*	34.8	75.2	23 600*	44.8	78.4	23 000	58.1	81.3	20 600							32.0
34.0							26.4	71.7	21 800*	38.4	76.1	21 200	53.0	79.9	19 000							34.0
36.0							13.8	66.0	20 200*	30.9	73.1	19 700	47.5	78.2	17 600							36.0
38.0										21.0	68.9	18 300	41.4	76.1	16 400							38.0
40.0													34.5	73.5	15 300	49.8	77.4	13 500				40.0
42.0													26.0	69.9	14 300	43.9	75.4	12 600				42.0
44.0													12.9	64.0	13 300	37.4	73.0	11 800				44.0
46.0																29.7	69.9	11 100	45.9	74.1	9 600	46.0
48.0																19.3	65.4	10 300	39.6	71.9	9 000	48.0
50.0																			32.4	69.0	8 400	50.0
52.0																			23.1	65.1	7 900	52.0

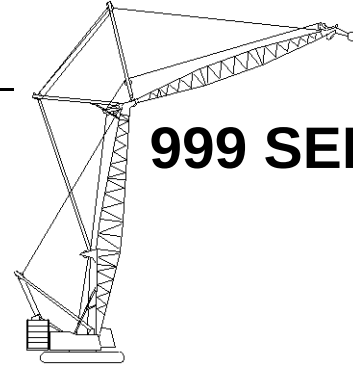


Liftcrane Luffing Jib Capacities

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

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



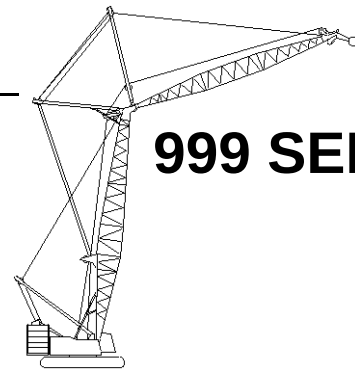
57.9m (190 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	69.6	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*																20.0
22.0	55.1	85.1	25 400*	59.6	86.3	30 100*	70.1	88.4	35 000* ^b													22.0
							66.0	87.6	34 200* ^b													
24.0	50.3	83.5	23 000*	55.1	85.0	27 600*	61.8	86.6	33 000*													24.0
26.0	45.2	81.7	21 000*	50.4	83.4	25 200*	57.4	85.4	30 300*	63.9	86.6	29 600										26.0
28.0	39.5	79.4	19 200*	45.2	81.6	23 000*	52.8	83.9	27 700*	59.6	85.5	26 900										28.0
30.0	33.0	76.6	17 800*	39.6	79.3	21 100*	47.9	82.2	25 400*	55.1	84.2	24 700										30.0
32.0	25.1	72.9	16 600*	33.1	76.5	19 400*	42.5	80.2	23 400*	50.4	82.6	22 700	61.6	84.9	20 300							32.0
34.0				25.2	72.8	18 100*	36.5	77.7	21 600*	45.2	80.8	21 000	57.2	83.7	18 700							34.0
36.0				13.3	66.8	17 300*	29.4	74.5	20 000*	39.6	78.5	19 400	52.6	82.2	17 300							36.0
38.0							20.2	70.0	18 600*	33.1	75.7	18 100	47.6	80.5	16 100							38.0
40.0										25.2	72.0	16 900	42.3	78.5	15 000	54.5	81.3	13 200				40.0
42.0										13.4	66.1	15 800	36.2	75.9	14 100	49.7	79.7	12 300				42.0
44.0													29.1	72.7	13 100	44.5	77.7	11 500				44.0
46.0													19.7	68.2	12 300							46.0
48.0																38.7	75.4	10 800	51.3	78.2	9 300	48.0
50.0																32.1	72.5	10 100	46.2	76.4	8 700	50.0
52.0																23.9	68.7	9 500	40.7	74.2	8 100	52.0
54.0																			34.4	71.6	7 600	54.0
56.0																			26.8	68.1	7 100	56.0
																			16.2	62.8	6 700	

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	71.5	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	32 000*b													22.0
24.0	54.5	87.4	22 300*	58.7	88.7	26 700*	64.6	90.0	31 300*													24.0
26.0	50.2	85.8	20 300*	54.6	87.3	24 400*	60.7	88.9	30 300*	66.5	90.0	29 600										26.0
28.0	45.5	84.0	18 600*	50.2	85.7	22 400*	56.7	87.7	27 600*	62.7	89.0	26 900										28.0
30.0	40.4	81.8	17 100*	45.6	83.9	20 500*	52.5	86.2	25 300*	58.7	87.8	24 600										30.0
32.0	34.8	79.1	15 800*	40.5	81.7	18 900*	48.0	84.5	23 300*	54.6	86.5	22 600										32.0
34.0	28.1	75.8	14 800*	34.8	79.0	17 400*	43.1	82.5	21 500*	50.2	84.9	20 900	60.6	87.2	18 700							34.0
36.0	19.3	71.1	14 100*	28.1	75.7	16 200*	37.8	80.1	20 000*	45.6	83.1	19 400	56.5	86.0	17 300							36.0
38.0				19.4	71.0	15 400*	31.7	77.2	18 600*	40.5	80.9	18 100	52.3	84.5	16 100							38.0
40.0							24.2	73.3	17 300*	34.8	78.2	16 900	47.8	82.8	15 000							40.0
42.0							13.2	67.1	16 200*	28.2	74.9	15 800	42.9	80.8	14 000	54.0	83.6	12 300				42.0
44.0										19.5	70.2	14 800	37.5	78.4	13 100	49.6	82.0	11 500				44.0
46.0													31.4	75.4	12 300	44.9	80.1	10 700				46.0
48.0													23.8	71.4	11 600	39.8	77.8	10 100	51.1	80.5	8 600	48.0
50.0													12.4	65.1	10 800	34.0	75.1	9 500	46.5	78.7	8 100	50.0
52.0																27.1	71.6	8 900	41.5	76.6	7 600	52.0
54.0																17.9	66.6	8 300	35.9	74.0	7 100	54.0
56.0																			29.5	70.8	6 600	56.0
58.0																			21.3	66.5	6 200	58.0

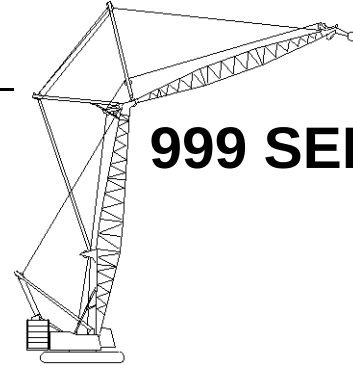


Liftcrane Luffing Jib Capacities

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

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



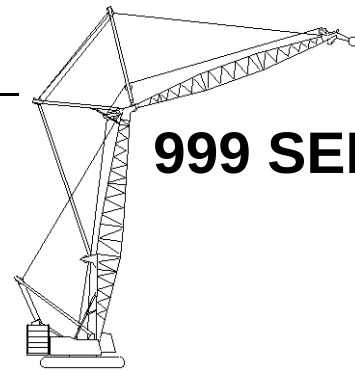
57.9m (190 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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	29 300*													24.0
26.0	54.1	89.7	19 600*	57.9	91.0	23 700*	63.4	92.4	28 700*													26.0
28.0	50.1	88.1	18 000*	54.1	89.6	21 800*	59.8	91.3	27 400*	65.1	92.4	26 600										28.0
30.0	45.8	86.3	16 600*	50.1	88.0	20 000*	56.1	90.0	24 900*	61.6	91.4	24 300										30.0
32.0	41.2	84.1	15 300*	45.9	86.2	18 400*	52.2	88.5	23 000*	57.9	90.2	22 400										32.0
34.0	36.1	81.6	14 200*	41.3	84.0	17 000*	48.1	86.8	21 200*	54.1	88.8	20 700										34.0
36.0	30.3	78.5	13 200*	36.2	81.5	15 700*	43.6	84.8	19 600*	50.1	87.2	19 200	59.6	89.6	17 000							36.0
38.0	23.2	74.4	12 600*	30.4	78.4	14 600*	38.8	82.5	18 300*	45.9	85.4	17 800	55.9	88.3	15 800							38.0
40.0				23.3	74.3	13 700*	33.4	79.7	17 000*	41.3	83.2	16 700	52.0	86.8	14 700							40.0
42.0				12.8	67.9	13 300*	27.1	76.2	15 900*	36.2	80.7	15 600	47.9	85.1	13 700							42.0
44.0							18.9	71.3	14 900*	30.4	77.6	14 600	43.4	83.1	12 900	53.6	85.9	11 100				44.0
46.0										23.3	73.5	13 700	38.6	80.8	12 000	49.6	84.3	10 400				46.0
48.0										12.9	67.2	12 800	33.2	77.9	11 300	45.3	82.4	9 800				48.0
50.0													26.8	74.4	10 700	40.6	80.2	9 200				50.0
52.0													18.4	69.4	10 000	35.4	77.6	8 700	46.7	81.0	7 300	52.0
54.0																29.5	74.3	8 100	42.2	78.9	6 800	54.0
56.0																22.2	70.1	7 600	37.2	76.5	6 400	56.0
58.0																			31.5	73.5	6 000	58.0
60.0																			24.8	69.6	5 600	60.0
62.0																			15.3	64.0	5 300	62.0

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**

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



999 SERIES 3

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*b																			15.2
16.0	73.3	98.2	23 900*b																			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	27 000*													26.0
28.0	53.7	92.0	17 600*	57.3	93.3	21 200*	62.3	94.8	26 400*													28.0
30.0	50.0	90.4	16 100*	53.7	91.9	19 600*	59.0	93.6	24 800*	64.0	94.8	24 200										30.0
32.0	46.1	88.6	14 900*	50.0	90.3	18 000*	55.6	92.3	22 700*	60.7	93.8	22 200										32.0
34.0	41.9	86.5	13 800*	46.1	88.5	16 600*	51.9	90.8	21 000*	57.3	92.5	20 500										34.0
36.0	37.3	84.0	12 800*	41.9	86.4	15 400*	48.1	89.1	19 400*	53.8	91.1	19 000										36.0
38.0	32.1	81.1	12 000*	37.3	83.9	14 300*	44.1	87.2	18 000*	50.1	89.5	17 700	58.9	92.0	15 600							38.0
40.0	26.1	77.4	11 300*	32.2	81.0	13 200*	39.7	84.9	16 800*	46.1	87.7	16 500	55.4	90.6	14 500							40.0
42.0	18.2	72.3	10 900*	26.1	77.3	12 500*	34.9	82.2	15 700*	41.9	85.6	15 400	51.8	89.1	13 600							42.0
44.0				18.3	72.2	11 900*	29.3	78.9	14 700*	37.3	83.1	14 500	48.0	87.4	12 700							44.0
46.0							22.6	74.7	13 700*	32.2	80.2	13 600	43.9	85.4	11 900	53.2	88.2	10 200				46.0
48.0							12.7	68.2	12 900*	26.1	76.5	12 800	39.5	83.1	11 200	49.5	86.6	9 600				48.0
50.0										18.3	71.5	12 000	34.6	80.4	10 500	45.6	84.7	9 000				50.0
52.0													29.1	77.2	9 900	41.3	82.5	8 500	50.7	85.1	7 100	52.0
54.0													22.2	72.9	9 300	36.7	80.0	8 000	46.9	83.3	6 600	54.0
56.0													12.1	66.2	8 800	31.4	77.0	7 500	42.7	81.3	6 200	56.0
58.0																25.2	73.2	7 000	38.2	78.9	5 800	58.0
60.0																16.9	67.8	6 600	33.2	76.0	5 400	60.0
62.0																			27.3	72.5	5 100	62.0
64.0																			20.0	67.8	4 800	64.0

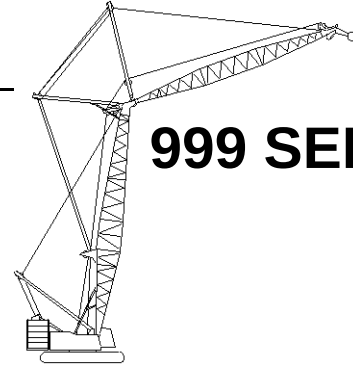


Liftcrane Luffing Jib Capacities

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**

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



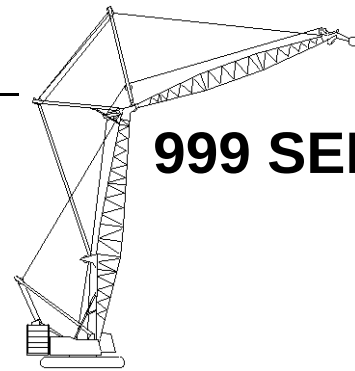
57.9m (190 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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	25 100*													26.0
28.0	56.7	95.8	17 200*	59.9	96.9	20 600*	64.5	98.2	24 700*													28.0
30.0	53.4	94.4	15 800*	56.7	95.7	19 100*	61.5	97.2	24 100*	66.0	98.2	23 900										30.0
32.0	49.9	92.7	14 600*	53.4	94.2	17 700*	58.3	96.0	22 400*	63.0	97.2	22 000										32.0
34.0	46.3	90.9	13 500*	50.0	92.6	16 400*	55.1	94.7	20 700*	59.9	96.1	20 300										34.0
36.0	42.4	88.8	12 600*	46.3	90.8	15 100*	51.7	93.1	19 100*	56.7	94.9	18 800										36.0
38.0	38.2	86.4	11 700*	42.4	88.7	14 000*	48.2	91.4	17 700*	53.4	93.4	17 400										38.0
40.0	33.6	83.6	10 900*	38.3	86.3	13 100*	44.5	89.5	16 500*	50.0	91.8	16 200	58.2	94.3	14 200							40.0
42.0	28.3	80.2	10 300*	33.6	83.5	12 200*	40.4	87.3	15 400*	46.3	90.0	15 200	55.0	93.0	13 300							42.0
44.0	21.8	75.8	9 900*	28.3	80.1	11 400*	36.0	84.7	14 400*	42.5	87.9	14 200	51.6	91.4	12 400							44.0
46.0				21.9	75.7	10 900*	31.1	81.6	13 500*	38.3	85.5	13 300	48.0	89.7	11 600	56.3	91.9	9 900				46.0
48.0				12.5	69.0	10 600*	25.3	77.8	12 600*	33.6	82.7	12 500	44.3	87.8	10 900	53.0	90.5	9 300				48.0
50.0							17.9	72.6	11 800*	28.3	79.3	11 800	40.2	85.5	10 300	49.5	88.9	8 700				50.0
52.0										21.9	74.9	11 100	35.8	82.9	9 600	45.8	87.0	8 200				52.0
54.0										12.5	68.3	10 500	30.9	79.8	9 100	41.9	84.9	7 700	50.6	87.4	6 300	54.0
56.0													25.1	76.0	8 500	37.7	82.4	7 200	47.0	85.6	5 900	56.0
58.0													17.5	70.7	8 000	32.9	79.5	6 800	43.2	83.6	5 500	58.0
60.0																27.5	76.0	6 400	39.1	81.3	5 200	60.0
62.0																20.8	71.5	6 000	34.5	78.5	4 800	62.0
64.0																10.5	64.1	5 600	29.4	75.3	4 500	64.0
66.0																			23.2	71.1	4 200	66.0
68.0																			14.7	65.1	3 900	68.0

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**

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



999 SERIES 3

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	23 100*													28.0
30.0	56.2	98.1	15 400*	59.2	99.3	18 600*	63.5	100.6	22 800*													30.0
32.0	53.1	96.7	14 300*	56.2	98.0	17 200*	60.7	99.5	22 000*	64.9	100.6	21 900										32.0
34.0	49.9	95.0	13 200*	53.1	96.5	16 000*	57.7	98.3	20 600*	62.1	99.6	20 200										34.0
36.0	46.5	93.2	12 300*	49.9	94.9	14 800*	54.7	97.0	19 100*	59.2	98.5	18 700										36.0
38.0	42.9	91.2	11 400*	46.5	93.1	13 800*	51.6	95.4	17 700*	56.2	97.2	17 300										38.0
40.0	39.0	88.8	10 700*	42.9	91.1	12 800*	48.3	93.7	16 500*	53.1	95.7	16 200	60.5	97.9	14 100							40.0
42.0	34.8	86.1	10 000*	39.1	88.7	11 900*	44.8	91.8	15 400*	49.9	94.1	15 100	57.6	96.6	13 200							42.0
44.0	30.1	82.9	9 400*	34.8	86.0	11 200*	41.1	89.6	14 300*	46.5	92.3	14 100	54.6	95.3	12 300							44.0
46.0	24.5	78.9	9 000*	30.1	82.8	10 500*	37.0	87.1	13 400*	42.9	90.2	13 300	51.4	93.7	11 500							46.0
48.0	17.3	73.6	8 700*	24.5	78.8	10 000*	32.6	84.2	12 600*	39.1	87.9	12 500	48.1	92.0	10 800	55.8	94.3	9 200				48.0
50.0				17.4	73.5	9 600*	27.5	80.6	11 800*	34.9	85.2	11 800	44.6	90.1	10 200	52.7	92.8	8 600				50.0
52.0							21.3	76.1	11 100*	30.1	82.0	11 000	40.9	87.9	9 600	49.4	91.2	8 100				52.0
54.0							12.4	69.3	10 400*	24.6	78.0	10 500	36.8	85.3	9 000	46.0	89.3	7 600				54.0
56.0										17.4	72.7	9 900	32.4	82.4	8 500	42.4	87.2	7 100	50.5	89.7	5 800	56.0
58.0													27.3	78.8	8 000	38.5	84.8	6 700	47.2	87.9	5 400	58.0
60.0													21.0	74.3	7 500	34.2	82.1	6 300	43.6	85.9	5 100	60.0
62.0													11.9	67.3	7 100	29.4	78.8	5 900	39.8	83.6	4 700	62.0
64.0																23.7	74.7	5 600	35.7	81.0	4 400	64.0
66.0																16.2	69.0	5 200	31.0	77.9	4 100	66.0
68.0																			25.7	74.1	3 800	68.0
70.0																			18.9	69.1	3 600	70.0

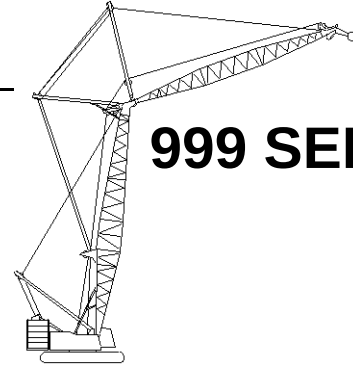


Liftcrane Luffing Jib Capacities

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**

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



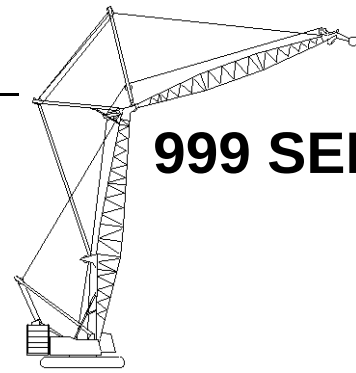
57.9m (190 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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	21 200*													30.0
32.0	55.8	100.4	13 800*	58.6	101.6	16 700*	62.7	103.0	21 000*	66.6	104.0	21 600										32.0
34.0	52.8	99.0	12 900*	55.8	100.3	15 600*	60.0	101.9	19 900*	64.0	103.1	19 900										34.0
36.0	49.8	97.3	11 900*	52.9	98.9	14 500*	57.2	100.7	18 700*	61.3	102.0	18 400										36.0
38.0	46.6	95.5	11 100*	49.8	97.2	13 500*	54.4	99.3	17 400*	58.6	100.8	17 100										38.0
40.0	43.3	93.5	10 400*	46.7	95.4	12 500*	51.4	97.7	16 100*	55.8	99.5	15 900										40.0
42.0	39.7	91.2	9 700*	43.3	93.4	11 700*	48.3	96.0	15 000*	52.9	98.0	14 900	59.9	100.2	12 900							42.0
44.0	35.8	88.6	9 100*	39.7	91.1	10 900*	45.0	94.1	14 100*	49.9	96.4	13 900	57.1	99.0	12 000							44.0
46.0	31.5	85.5	8 600*	35.9	88.5	10 300*	41.6	92.0	13 100*	46.7	94.6	13 000	54.2	97.6	11 300							46.0
48.0	26.6	81.8	8 100*	31.6	85.4	9 700*	37.9	89.5	12 300*	43.3	92.6	12 300	51.3	96.0	10 600							48.0
50.0	20.7	77.2	7 900*	26.7	81.8	9 100*	33.8	86.7	11 500*	39.8	90.3	11 500	48.2	94.3	9 900	55.4	96.6	8 300				50.0
52.0				20.7	77.1	8 700*	29.3	83.4	10 800*	35.9	87.7	10 900	44.9	92.4	9 300	52.5	95.1	7 800				52.0
54.0				12.2	70.1	8 500*	23.9	79.3	10 100*	31.6	84.6	10 200	41.4	90.2	8 700	49.4	93.5	7 300				54.0
56.0							17.1	73.8	9 500*	26.7	81.0	9 700	37.7	87.8	8 200	46.2	91.6	6 900				56.0
58.0										20.7	76.3	9 100	33.6	84.9	7 800	42.8	89.5	6 400	50.4	92.0	5 200	58.0
60.0										12.2	69.3	8 500*	29.0	81.6	7 300	39.2	87.2	6 100	47.3	90.2	4 800	60.0
62.0													23.7	77.5	6 900	35.3	84.5	5 700	44.0	88.2	4 500	62.0
64.0													16.7	71.9	6 500	31.0	81.4	5 300	40.4	86.0	4 200	64.0
66.0																25.9	77.7	5 000	36.6	83.5	3 900	66.0
68.0																19.8	72.8	4 700	32.4	80.5	3 600	68.0
70.0																10.5	65.2	4 400	27.7	77.0	3 300	70.0
72.0																			22.0	72.5	3 100	72.0
74.0																			14.2	66.2	2 800	74.0

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**

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	74.7	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	19 600*	68.0	107.3	21 100*							32.0
34.0	55.4	102.8	12 500*	58.1	104.0	15 200*	61.9	105.4	19 200*	65.6	106.4	19 700							34.0
36.0	52.6	101.3	11 700*	55.4	102.6	14 200*	59.4	104.3	18 200*	63.2	105.5	18 200							36.0
38.0	49.8	99.6	10 900*	52.6	101.2	13 200*	56.8	103.0	17 100*	60.6	104.4	16 900							38.0
40.0	46.8	97.8	10 200*	49.8	99.5	12 300*	54.1	101.6	15 900*	58.1	103.2	15 800							40.0
42.0	43.6	95.8	9 500*	46.8	97.7	11 500*	51.3	100.0	14 800*	55.4	101.8	14 700	61.8	103.7	12 700				42.0
44.0	40.3	93.6	8 900*	43.7	95.7	10 700*	48.3	98.3	13 800*	52.7	100.4	13 700	59.3	102.6	11 900				44.0
46.0	36.7	91.0	8 400*	40.3	93.4	10 100*	45.3	96.4	12 900*	49.8	98.7	12 900	56.6	101.3	11 100				46.0
48.0	32.8	88.1	7 900*	36.8	90.9	9 400*	42.1	94.3	12 100*	46.8	96.9	12 100	53.9	99.9	10 400				48.0
50.0	28.4	84.6	7 500*	32.8	88.0	8 900*	38.6	91.9	11 300*	43.7	94.9	11 300	51.1	98.3	9 700				50.0
52.0	23.2	80.4	7 200*	28.4	84.5	8 400*	34.9	89.2	10 600*	40.3	92.6	10 700	48.2	96.6	9 100	55.0	98.9	7 600	52.0
54.0	16.6	74.8	7 000*	23.3	80.3	8 100*	30.7	86.0	9 900*	36.8	90.1	10 100	45.1	94.7	8 600	52.3	97.4	7 100	54.0
56.0				16.7	74.7	7 800*	26.0	82.3	9 300*	32.8	87.2	9 500*	41.9	92.6	8 100	49.4	95.8	6 700	56.0
58.0							20.3	77.5	8 700*	28.5	83.7	8 900*	38.4	90.2	7 600	46.4	93.9	6 200	58.0
60.0							12.2	70.4	8 200*	23.3	79.5	8 400*	34.7	87.4	7 200	43.2	91.9	5 900	60.0
62.0										16.7	73.9	7 900*	30.5	84.2	6 700	39.9	89.6	5 500	62.0
64.0										3.5	62.2	7 300*	25.8	80.4	6 300	36.2	87.0	5 100	64.0
66.0													20.0	75.6	6 000	32.3	84.0	4 800	66.0
68.0													11.7	68.3	5 600	27.8	80.5	4 500	68.0
70.0																22.5	76.1	4 200	70.0
72.0																15.6	70.2	3 900	72.0

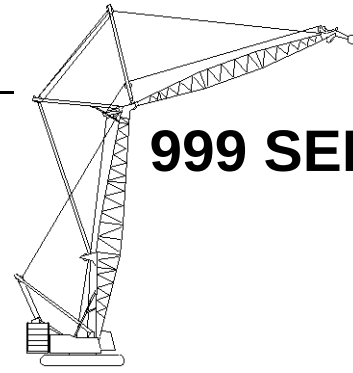


Liftcrane Luffing Jib Capacities

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**

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



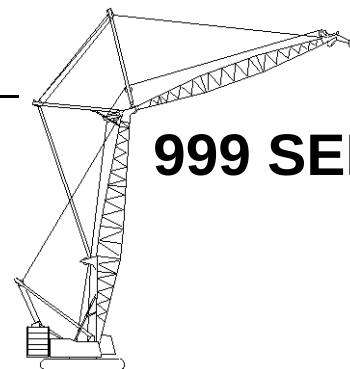
57.9m (190 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	75.6	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	18 000*	67.1	109.8	19 100							34.0
36.0	55.0	105.1	11 400*	57.6	106.3	13 800*	61.2	107.8	17 500*	64.8	108.9	18 000							36.0
38.0	52.4	103.6	10 600*	55.1	105.0	12 900*	58.8	106.6	16 600*	62.4	107.8	16 700							38.0
40.0	49.7	101.9	9 900*	52.4	103.5	12 000*	56.3	105.3	15 600*	60.0	106.7	15 500							40.0
42.0	46.9	100.1	9 300*	49.7	101.8	11 300*	53.8	103.9	14 500*	57.6	105.5	14 400							42.0
44.0	44.0	98.1	8 700*	46.9	100.0	10 500*	51.1	102.3	13 500*	55.1	104.1	13 500	61.1	106.1	11 600				44.0
46.0	40.8	95.9	8 200*	44.0	98.0	9 800*	48.4	100.6	12 600*	52.5	102.7	12 600	58.7	104.9	10 800				46.0
48.0	37.5	93.4	7 700*	40.9	95.8	9 300*	45.5	98.7	11 800*	49.8	101.0	11 900	56.2	103.6	10 100				48.0
50.0	33.9	90.6	7 300*	37.5	93.3	8 700*	42.5	96.6	11 000*	46.9	99.2	11 100	53.7	102.2	9 500				50.0
52.0	29.9	87.3	6 900*	33.9	90.5	8 300*	39.2	94.3	10 300*	44.0	97.2	10 500*	51.0	100.6	8 900	57.2	102.6	7 300	52.0
54.0	25.3	83.4	6 600*	29.9	87.2	7 800*	35.8	91.6	9 600*	40.9	95.0	9 800*	48.3	98.9	8 300	54.7	101.2	6 800	54.0
56.0	19.8	78.5	6 400*	25.3	83.3	7 400*	32.0	88.6	9 000*	37.5	92.5	9 200*	45.4	97.0	7 800	52.1	99.7	6 400	56.0
58.0				19.8	78.4	7 200*	27.7	85.1	8 500*	33.9	89.7	8 600*	42.3	94.9	7 400	49.4	98.1	6 000	58.0
60.0				12.0	71.2	6 900*	22.8	80.8	7 900*	29.9	86.4	8 100*	39.1	92.5	6 900	46.5	96.2	5 600	60.0
62.0							16.4	75.0	7 400*	25.4	82.5	7 600*	35.6	89.9	6 500	43.6	94.2	5 200	62.0
64.0							4.3	63.6	6 900*	19.8	77.6	7 100*	31.8	86.8	6 100	40.4	91.9	4 900	64.0
66.0										12.0	70.4	6 600*	27.6	83.3	5 800	37.1	89.4	4 500	66.0
68.0													22.5	78.9	5 400	33.4	86.5	4 300	68.0
70.0													16.1	73.1	5 000	29.3	83.2	4 000	70.0
72.0																24.7	79.2	3 700	72.0
74.0																18.9	74.1	3 400	74.0
76.0																10.5	66.2	3 200	76.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	16 600*	66.2	112.2	17 600				36.0
38.0	54.7	107.4	10 300*	57.1	108.6	12 600*	60.6	110.2	16 000*	64.0	111.3	16 600				38.0
40.0	52.2	105.9	9 700*	54.7	107.3	11 700*	58.3	109.0	15 100*	61.8	110.2	15 400				40.0
42.0	49.7	104.2	9 000*	52.3	105.8	11 000*	56.0	107.7	14 300*	59.5	109.1	14 300				42.0
44.0	47.0	102.4	8 500*	49.7	104.1	10 300*	53.5	106.2	13 400*	57.2	107.8	13 400				44.0
46.0	44.2	100.5	8 000*	47.0	102.3	9 700*	51.0	104.7	12 400*	54.8	106.5	12 500	60.5	108.5	10 700	46.0
48.0	41.3	98.3	7 500*	44.3	100.3	9 100*	48.4	102.9	11 600*	52.3	105.0	11 800	58.2	107.3	10 000	48.0
50.0	38.2	95.8	7 100*	41.3	98.2	8 600*	45.7	101.0	10 900*	49.7	103.3	11 000	55.9	106.0	9 400	50.0
52.0	34.8	93.1	6 700*	38.2	95.7	8 100*	42.8	99.0	10 100*	47.1	101.5	10 300*	53.4	104.5	8 800	52.0
54.0	31.1	90.0	6 300*	34.8	93.0	7 600*	39.8	96.7	9 500*	44.3	99.5	9 600*	50.9	102.9	8 200	54.0
56.0	27.0	86.3	6 100*	31.2	89.9	7 200*	36.6	94.1	8 900*	41.3	97.4	9 000*	48.3	101.2	7 700	56.0
58.0	22.2	81.9	5 900*	27.1	86.2	6 900*	33.1	91.2	8 300*	38.2	94.9	8 500*	45.6	99.3	7 300	58.0
60.0	16.0	75.9	5 800*	22.2	81.8	6 600*	29.2	87.8	7 800*	34.9	92.2	7 900*	42.7	97.2	6 800	60.0
62.0				16.1	75.9	6 300*	24.8	83.8	7 300*	31.2	89.1	7 500*	39.7	94.9	6 400	62.0
64.0				4.7	64.5	5 900*	19.5	78.8	6 800*	27.1	85.4	7 000*	36.4	92.3	6 000	64.0
66.0							12.0	71.5	6 400*	22.3	81.0	6 500*	32.9	89.4	5 700	66.0
68.0										16.1	75.1	6 100*	29.0	86.0	5 300	68.0
70.0										4.8	63.8	5 700*	24.6	82.0	5 000	70.0
72.0													19.2	76.9	4 700	72.0
74.0													11.5	69.4	4 400	74.0

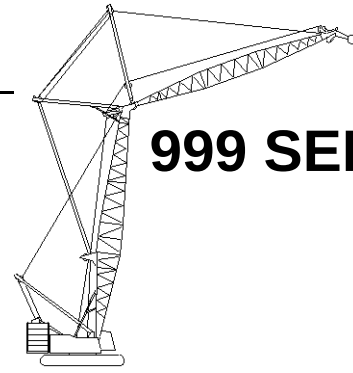


Liftcrane Luffing Jib Capacities

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

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



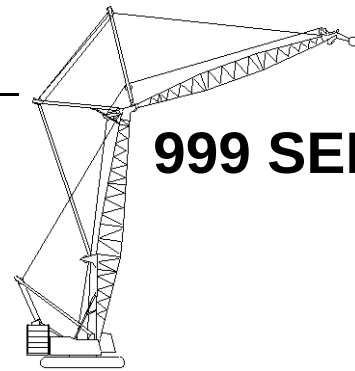
57.9m (190 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	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	15 200*	65.4	114.7	16 200				38.0
40.0	54.4	109.7	9 400*	56.8	111.0	11 400*	60.1	112.5	14 600*	63.3	113.7	15 200				40.0
42.0	52.1	108.2	8 800*	54.5	109.6	10 700*	57.9	111.3	13 800*	61.2	112.6	14 100				42.0
44.0	49.6	106.5	8 300*	52.1	108.1	10 100*	55.6	110.0	13 100*	59.0	111.4	13 100				44.0
46.0	47.1	104.7	7 800*	49.7	106.4	9 500*	53.3	108.5	12 200*	56.8	110.2	12 300*	62.2	112.0	10 500	46.0
48.0	44.5	102.8	7 300*	47.1	104.6	8 900*	50.9	107.0	11 300*	54.5	108.8	11 400*	60.0	110.8	9 800	48.0
50.0	41.7	100.6	6 900*	44.5	102.7	8 400*	48.4	105.2	10 600*	52.1	107.3	10 700*	57.8	109.6	9 100	50.0
52.0	38.8	98.2	6 500*	41.7	100.5	7 900*	45.9	103.4	9 900*	49.7	105.6	10 000*	55.5	108.3	8 500	52.0
54.0	35.6	95.5	6 200*	38.8	98.1	7 400*	43.2	101.3	9 200*	47.2	103.8	9 300*	53.2	106.8	8 000	54.0
56.0	32.2	92.5	5 900*	35.7	95.4	7 000*	40.3	99.0	8 600*	44.5	101.9	8 700*	50.8	105.2	7 500	56.0
58.0	28.5	89.1	5 600*	32.3	92.4	6 700*	37.3	96.5	8 000*	41.7	99.7	8 200*	48.3	103.5	7 000	58.0
60.0	24.2	85.0	5 400*	28.5	89.0	6 400*	34.0	93.7	7 500*	38.8	97.3	7 600*	45.7	101.6	6 600	60.0
62.0	19.0	79.8	5 200*	24.2	84.9	6 100*	30.5	90.5	7 100*	35.7	94.6	7 100*	43.0	99.6	6 200	62.0
64.0	11.7	72.3	4 900*	19.0	79.7	5 700*	26.5	86.7	6 600*	32.3	91.6	6 700*	40.2	97.3	5 800	64.0
66.0				11.8	72.3	5 300*	21.8	82.2	6 200*	28.5	88.2	6 200*	37.2	94.7	5 400	66.0
68.0							15.9	76.2	5 700*	24.2	84.1	5 800*	33.9	91.9	5 100	68.0
70.0							5.3	65.1	5 300*	19.1	78.9	5 500*	30.3	88.7	4 800	70.0
72.0										11.8	71.5	5 100*	26.3	84.9	4 500	72.0
74.0													21.6	80.3	4 200	74.0
76.0													15.6	74.2	3 900	76.0

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

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



999 SERIES 3

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	14 800*				38.0
40.0	56.4	113.4	9 100*	58.5	114.6	11 100*	61.7	116.0	13 900*	64.7	117.1	14 700				40.0
42.0	54.2	112.0	8 600*	56.4	113.3	10 400*	59.6	114.9	13 400*	62.7	116.1	14 000				42.0
44.0	51.9	110.5	8 100*	54.2	111.9	9 900*	57.5	113.6	12 700*	60.6	115.0	12 900*				44.0
46.0	49.6	108.8	7 600*	52.0	110.4	9 300*	55.3	112.3	11 900*	58.5	113.8	12 000*				46.0
48.0	47.2	107.0	7 100*	49.6	108.7	8 700*	53.1	110.8	11 100*	56.4	112.5	11 200*	61.6	114.3	9 500	48.0
50.0	44.7	105.1	6 700*	47.2	106.9	8 200*	50.8	109.3	10 300*	54.2	111.1	10 400*	59.5	113.2	8 900	50.0
52.0	42.1	102.9	6 400*	44.7	105.0	7 800*	48.5	107.5	9 600*	52.0	109.6	9 700*	57.4	112.0	8 300	52.0
54.0	39.3	100.6	6 000*	42.1	102.8	7 300*	46.0	105.7	9 000*	49.6	107.9	9 100*	55.2	110.6	7 800	54.0
56.0	36.4	98.0	5 700*	39.3	100.5	6 900*	43.5	103.6	8 400*	47.2	106.1	8 500*	53.0	109.1	7 300	56.0
58.0	33.2	95.1	5 500*	36.4	97.9	6 600*	40.8	101.4	7 800*	44.7	104.2	7 900*	50.7	107.5	6 800	58.0
60.0	29.7	91.8	5 200*	33.2	95.0	6 200*	37.9	98.9	7 300*	42.1	102.0	7 400*	48.4	105.8	6 400	60.0
62.0	25.9	87.9	5 000*	29.8	91.7	5 900*	34.9	96.2	6 800*	39.4	99.7	6 900*	45.9	103.9	6 000	62.0
64.0	21.3	83.2	4 700*	25.9	87.8	5 400*	31.6	93.1	6 300*	36.4	97.1	6 400*	43.3	101.9	5 600	64.0
66.0	15.6	77.1	4 300*	21.4	83.2	5 100*	27.9	89.5	5 900*	33.3	94.2	6 000*	40.6	99.6	5 300	66.0
68.0				15.6	77.1	4 700*	23.8	85.3	5 500*	29.8	90.9	5 600*	37.8	97.2	4 900	68.0
70.0				5.5	65.9	4 300*	18.8	80.1	5 100*	25.9	87.0	5 200*	34.7	94.4	4 600	70.0
72.0							11.8	72.6	4 700*	21.4	82.4	4 900*	31.4	91.3	4 300	72.0
74.0										15.6	76.3	4 500*	27.8	87.7	4 000	74.0
76.0										5.6	65.2	4 200*	23.6	83.5	3 700	76.0
78.0													18.5	78.2	3 500	78.0
80.0													11.4	70.5	3 200	80.0

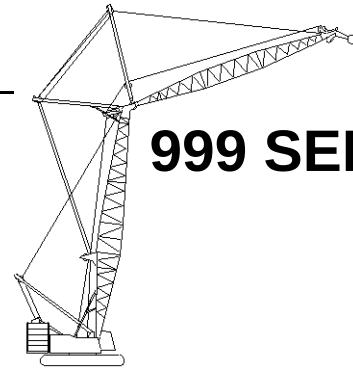


Liftcrane Luffing Jib Capacities

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

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



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.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib 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	60.3	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	39 000*b													20.0
22.0	35.2	75.4	27 500*	44.3	77.9	32 300*	55.6	80.3	36 700*b													22.0
24.0	23.9	71.7	25 600*	35.8	75.4	29 500*	48.7	78.7	33 700*	59.4	80.6	33 200b										24.0
26.0				24.8	71.8	27 400*	41.0	76.6	30 500*	52.8	79.2	30 000b										26.0
28.0							31.7	73.8	27 900*	45.6	77.4	27 300										28.0
30.0							18.4	69.3	25 500*	37.3	75.0	25 000	56.7	78.8	22 400b							30.0
32.0										26.8	71.7	23 000	49.9	77.3	20 600							32.0
34.0													42.3	75.3	19 000							34.0
36.0													33.4	72.6	17 600	53.6	76.5	15 600				36.0
38.0													21.2	68.5	16 400	46.5	74.7	14 500				38.0
40.0																38.3	72.5	13 500				40.0
42.0																28.2	69.3	12 600	49.7	73.5	10 900	42.0
44.0																11.6	63.4	11 700	42.1	71.5	10 200	44.0
46.0																			33.1	68.8	9 600	46.0
48.0																			20.7	64.6	8 900	48.0

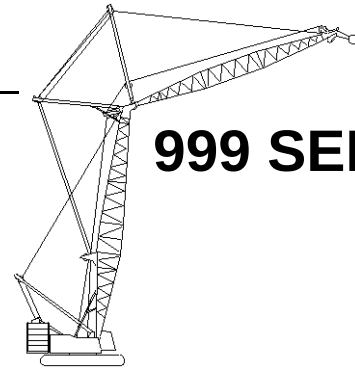
61.0m (200 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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	36 800*b													20.0
22.0	44.5	80.2	26 100*	51.3	82.0	31 000*	60.5	83.9	35 400*b													22.0
24.0	37.2	77.8	23 900*	44.9	80.2	28 300*	54.8	82.6	33 200*	63.5	84.1	32 900b										24.0
26.0	28.3	74.6	22 200*	37.7	77.8	25 800*	48.8	81.0	30 200*	58.1	82.9	29 700b										26.0
28.0				28.9	74.7	23 900*	42.1	79.0	27 500*	52.3	81.5	27 000										28.0
30.0				16.1	69.6	22 600*	34.3	76.3	25 300*	46.0	79.7	24 800										30.0
32.0							24.4	72.6	23 300*	38.9	77.4	22 800	55.8	81.1	20 300							32.0
34.0										30.5	74.4	21 100	49.8	79.6	18 700							34.0
36.0										18.8	69.9	19 500	43.2	77.6	17 400							36.0
38.0													35.7	75.1	16 200	53.0	78.8	14 200				38.0
40.0													26.3	71.6	15 100	46.8	77.0	13 200				40.0
42.0																39.8	74.8	12 300				42.0
44.0																31.6	72.0	11 500				44.0
46.0																20.5	67.7	10 800	43.0	73.8	9 300	46.0
48.0																			35.5	71.3	8 700	48.0
50.0																			26.0	67.8	8 100	50.0

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

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



999 SERIES 3

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	34 500*b													20.0
22.0	50.7	84.4	25 300*	56.3	85.9	29 900*	64.0	87.4	33 500*b													22.0
24.0	45.0	82.5	22 900*	51.1	84.3	27 300*	59.2	86.3	32 500*													24.0
26.0	38.7	80.2	21 000*	45.4	82.5	25 000*	54.2	84.9	30 100*	62.0	86.4	29 500b										26.0
28.0	31.2	77.3	19 400*	39.1	80.2	22 900*	48.8	83.3	27 400*	57.1	85.2	26 900										28.0
30.0	21.5	73.1	18 400*	31.7	77.3	21 100*	42.9	81.3	25 200*	52.0	83.8	24 600										30.0
32.0				22.2	73.3	19 800*	36.2	78.8	23 200*	46.4	82.0	22 600	60.1	84.8	20 100							32.0
34.0							28.2	75.5	21 400*	40.2	79.8	20 900	55.1	83.5	18 600							34.0
36.0							16.9	70.5	19 800*	33.0	77.0	19 400	49.7	81.9	17 200							36.0
38.0										24.0	73.2	18 100	43.9	79.9	16 000							38.0
40.0													37.4	77.5	15 000	52.6	81.1	13 000				40.0
42.0													29.6	74.4	14 000	47.0	79.3	12 200				42.0
44.0													19.2	69.8	13 100	40.9	77.2	11 400				44.0
46.0																33.9	74.5	10 700	49.6	78.1	9 100	46.0
48.0																25.2	70.9	10 000	43.7	76.1	8 500	48.0
50.0																11.2	64.5	9 300	37.2	73.7	8 000	50.0
52.0																			29.4	70.6	7 400	52.0
54.0																			18.8	65.9	7 000	54.0

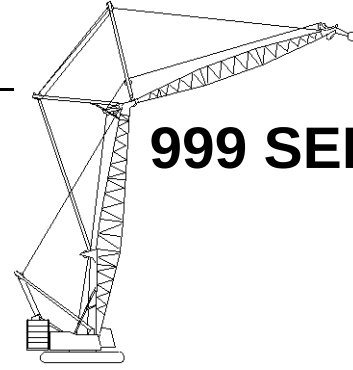


Liftcrane Luffing Jib Capacities

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

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



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

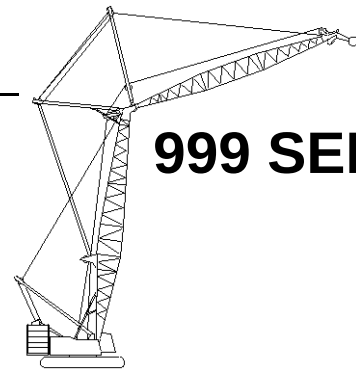
Jib Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	69.8	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	31 500* ^b													22.0
24.0	50.6	86.7	22 100*	55.6	88.2	26 300*	62.6	89.8	30 700*													24.0
26.0	45.5	84.8	20 200*	50.9	86.6	24 100*	58.3	88.6	29 700*	65.0	89.9	29 300										26.0
28.0	39.8	82.6	18 500*	45.8	84.8	22 100*	53.7	87.2	27 100*	60.8	88.8	26 600										28.0
30.0	33.4	79.8	17 100*	40.2	82.6	20 400*	48.8	85.6	24 800*	56.4	87.6	24 300										30.0
32.0	25.6	76.2	16 100*	33.8	79.9	18 800*	43.5	83.6	22 900*	51.7	86.1	22 400										32.0
34.0				26.1	76.3	17 500*	37.7	81.2	21 100*	46.6	84.3	20 700	59.0	87.1	18 300							34.0
36.0				15.0	70.8	16 800*	30.9	78.2	19 600*	41.1	82.2	19 200	54.5	85.8	16 900							36.0
38.0							22.2	74.1	18 200*	34.9	79.5	17 900	49.6	84.2	15 700							38.0
40.0										27.5	76.1	16 600	44.4	82.3	14 700	56.9	84.8	12 700				40.0
42.0										17.3	71.1	15 500	38.7	79.9	13 700	52.2	83.4	11 900				42.0
44.0													32.1	77.0	12 800	47.2	81.6	11 100				44.0
46.0													23.9	73.2	12 000	41.8	79.6	10 400				46.0
48.0																35.7	77.0	9 700	49.5	80.4	8 200	48.0
50.0																28.5	73.7	9 100	44.3	78.4	7 600	50.0
52.0																18.8	69.0	8 600	38.5	76.1	7 200	52.0
54.0																			31.9	73.2	6 700	54.0
56.0																			23.6	69.3	6 300	56.0



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**

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



999 SERIES 3

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	28 900*													24.0
26.0	50.4	89.0	19 500*	55.0	90.5	23 400*	61.5	92.2	28 100*	67.5	93.2	29 200										26.0
28.0	45.8	87.1	18 000*	50.7	88.9	21 500*	57.5	91.0	27 100*	63.7	92.3	26 500										28.0
30.0	40.7	85.0	16 500*	46.1	87.1	19 800*	53.3	89.5	24 800*	59.8	91.2	24 300										30.0
32.0	35.1	82.3	15 300*	41.1	85.0	18 300*	48.8	87.9	22 800*	55.7	89.9	22 300										32.0
34.0	28.5	79.0	14 400*	35.5	82.4	16 900*	44.1	85.9	21 100*	51.4	88.4	20 700	62.1	90.6	18 200							34.0
36.0	19.9	74.4	13 700*	28.9	79.1	15 700*	38.8	83.6	19 500*	46.9	86.6	19 100	58.1	89.5	16 900							36.0
38.0				20.5	74.6	14 900*	32.9	80.8	18 200*	41.9	84.5	17 800	54.0	88.1	15 700							38.0
40.0							25.8	77.1	16 900*	36.4	82.0	16 700	49.6	86.5	14 600							40.0
42.0							15.8	71.7	15 800*	30.1	78.9	15 600	44.9	84.6	13 700	56.2	87.2	11 800				42.0
44.0										22.1	74.6	14 600	39.7	82.3	12 800	51.9	85.7	11 000				44.0
46.0													33.9	79.6	12 000	47.4	83.9	10 300				46.0
48.0													27.1	76.1	11 300	42.5	81.9	9 700				48.0
50.0													17.8	71.1	10 600	37.1	79.4	9 100	49.5	82.7	7 600	50.0
52.0																30.9	76.4	8 500	44.7	80.8	7 100	52.0
54.0																23.2	72.4	8 000	39.6	78.5	6 700	54.0
56.0																11.0	65.6	7 500	33.8	75.8	6 200	56.0
58.0																			26.8	72.2	5 800	58.0
60.0																			17.5	67.2	5 500	60.0

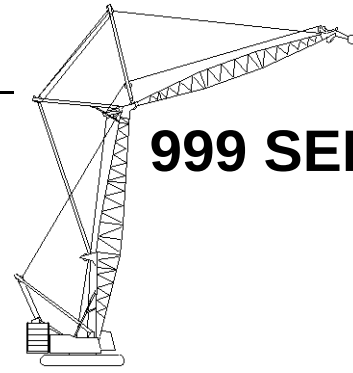


Liftcrane Luffing Jib Capacities

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**

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



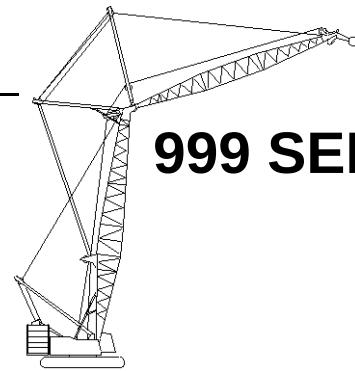
61.0m (200 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	73.3	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	26 500*													26.0
28.0	50.3	91.3	17 400*	54.5	92.8	20 900*	60.5	94.5	25 800*	66.0	95.7	26 300										28.0
30.0	46.1	89.4	16 000*	50.6	91.2	19 200*	56.8	93.3	24 500*	62.5	94.7	24 000										30.0
32.0	41.5	87.3	14 800*	46.3	89.4	17 700*	52.9	91.9	22 500*	58.9	93.5	22 100										32.0
34.0	36.4	84.8	13 700*	41.8	87.3	16 400*	48.8	90.2	20 700*	55.2	92.2	20 400										34.0
36.0	30.7	81.7	12 900*	36.8	84.8	15 200*	44.5	88.3	19 200*	51.2	90.7	18 900	61.1	93.0	16 600							36.0
38.0	23.6	77.7	12 200*	31.0	81.8	14 200*	39.8	86.0	17 800*	47.0	88.9	17 600	57.4	91.8	15 400							38.0
40.0				24.1	77.8	13 300*	34.5	83.3	16 700*	42.5	86.8	16 400	53.6	90.4	14 300							40.0
42.0				14.3	71.9	12 900*	28.4	79.9	15 500*	37.6	84.4	15 300	49.5	88.8	13 400							42.0
44.0							20.6	75.4	14 500*	32.0	81.5	14 400	45.2	86.9	12 500							44.0
46.0										25.4	77.7	13 500	40.6	84.7	11 700	51.7	88.0	10 000				46.0
48.0										16.3	72.3	12 700	35.4	82.1	11 000	47.5	86.3	9 400				48.0
50.0													29.5	78.8	10 400	43.1	84.2	8 800				50.0
52.0													22.1	74.6	9 700	38.2	81.8	8 200	49.4	85.0	6 800	52.0
54.0																32.7	79.0	7 800	45.1	83.1	6 300	54.0
56.0																26.2	75.3	7 300	40.4	80.9	6 000	56.0
58.0																17.6	70.2	6 800	35.3	78.2	5 600	58.0
60.0																			29.3	75.0	5 200	60.0
62.0																			21.9	70.7	4 900	62.0
64.0																			10.0	63.4	4 500	64.0

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**

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



999 SERIES 3

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	24 400*													28.0
30.0	50.2	93.6	15 700*	54.1	95.1	18 900*	59.6	96.9	23 800*	64.8	98.1	23 900										30.0
32.0	46.3	91.8	14 500*	50.4	93.5	17 500*	56.2	95.6	22 200*	61.6	97.1	21 900										32.0
34.0	42.1	89.7	13 500*	46.5	91.7	16 200*	52.6	94.2	20 500*	58.2	95.9	20 200										34.0
36.0	37.5	87.2	12 500*	42.4	89.7	15 000*	48.9	92.5	19 000*	54.7	94.5	18 700										36.0
38.0	32.4	84.3	11 700*	37.8	87.2	14 000*	44.9	90.6	17 600*	51.1	93.0	17 400	60.2	95.4	15 200							38.0
40.0	26.4	80.7	11 100*	32.7	84.4	13 100*	40.5	88.4	16 400*	47.2	91.2	16 300	56.8	94.1	14 100							40.0
42.0	18.7	75.7	10 700*	26.8	80.8	12 200*	35.8	85.8	15 300*	43.1	89.2	15 200	53.2	92.7	13 200							42.0
44.0				19.2	75.9	11 700*	30.4	82.6	14 300*	38.6	86.8	14 200	49.5	91.1	12 400							44.0
46.0							24.0	78.6	13 400*	33.6	84.0	13 300	45.5	89.2	11 600	55.1	91.8	9 800				46.0
48.0							15.1	72.8	12 600*	27.9	80.6	12 600	41.3	87.0	10 800	51.5	90.3	9 200				48.0
50.0										20.7	76.0	11 800	36.6	84.5	10 200	47.7	88.6	8 600				50.0
52.0													31.4	81.5	9 600	43.6	86.6	8 100				52.0
54.0													25.1	77.7	9 000	39.1	84.2	7 600	49.4	87.3	6 200	54.0
56.0													16.9	72.3	8 500	34.2	81.5	7 100	45.4	85.4	5 700	56.0
58.0																28.6	78.1	6 700	41.2	83.2	5 400	58.0
60.0																21.6	73.8	6 300	36.5	80.7	5 000	60.0
62.0																10.9	66.6	5 900	31.2	77.6	4 700	62.0
64.0																			25.0	73.8	4 400	64.0
66.0																			16.6	68.4	4 100	66.0

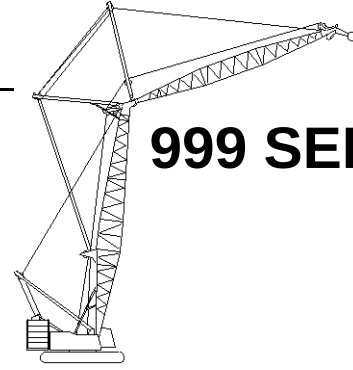


Liftcrane Luffing Jib Capacities

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

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



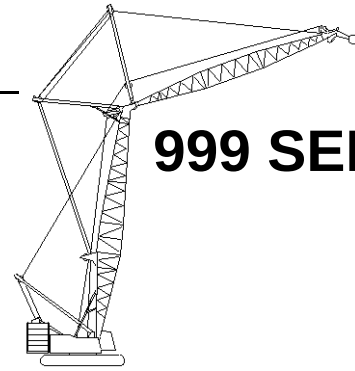
61.0m (200 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	22 900*													28.0
30.0	53.6	97.5	15 200*	57.1	98.8	18 300*	62.0	100.4	22 500*													30.0
32.0	50.1	95.9	14 100*	53.8	97.4	17 000*	58.9	99.2	21 600*	63.8	100.5	21 600										32.0
34.0	46.5	94.1	13 100*	50.3	95.8	15 700*	55.7	97.9	20 200*	60.7	99.4	19 900										34.0
36.0	42.6	92.0	12 200*	46.7	94.0	14 600*	52.4	96.5	18 700*	57.6	98.2	18 500										36.0
38.0	38.5	89.6	11 400*	42.9	92.0	13 600*	48.9	94.8	17 300*	54.3	96.8	17 200										38.0
40.0	33.8	86.8	10 600*	38.7	89.6	12 600*	45.2	92.9	16 100*	50.9	95.3	16 000	59.4	97.7	13 900							40.0
42.0	28.6	83.4	10 000*	34.1	86.9	11 900*	41.2	90.7	15 000*	47.3	93.5	14 900	56.2	96.5	12 900							42.0
44.0	22.2	79.1	9 600*	28.9	83.5	11 100*	36.9	88.2	14 000*	43.5	91.5	14 000	52.9	95.0	12 100							44.0
46.0				22.6	79.3	10 600*	32.1	85.2	13 100*	39.4	89.2	13 100	49.5	93.4	11 300							46.0
48.0				13.8	73.0	10 300*	26.5	81.6	12 300*	34.9	86.5	12 400	45.8	91.5	10 600	54.7	94.1	8 900				48.0
50.0							19.5	76.7	11 500*	29.8	83.3	11 600	41.9	89.4	10 000	51.3	92.6	8 300				50.0
52.0										23.8	79.2	11 000	37.6	86.9	9 400	47.8	90.9	7 800				52.0
54.0										15.6	73.5	10 300	32.9	84.0	8 800	44.0	88.9	7 300				54.0
56.0													27.5	80.5	8 300	39.9	86.6	6 800	49.4	89.6	5 500	56.0
58.0													20.8	76.0	7 800	35.5	84.0	6 400	45.7	87.7	5 100	58.0
60.0																30.5	80.8	6 100	41.8	85.6	4 700	60.0
62.0																24.5	76.9	5 700	37.5	83.1	4 400	62.0
64.0																16.7	71.4	5 300	32.8	80.2	4 100	64.0
66.0																			27.3	76.7	3 800	66.0
68.0																			20.6	72.1	3 600	68.0
70.0																			10.0	64.5	3 300	70.0

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**

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



999 SERIES 3

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	21 100*										30.0
32.0	53.3	99.8	13 700*	56.5	101.2	16 500*	61.2	102.8	20 800*	65.6	103.9	21 500							32.0
34.0	50.0	98.2	12 700*	53.5	99.7	15 400*	58.3	101.6	19 700*	62.8	102.9	19 800							34.0
36.0	46.7	96.4	11 800*	50.2	98.1	14 300*	55.3	100.3	18 500*	60.0	101.8	18 400							36.0
38.0	43.1	94.3	11 000*	46.9	96.4	13 300*	52.1	98.8	17 300*	57.0	100.5	17 100							38.0
40.0	39.2	92.0	10 300*	43.3	94.3	12 300*	48.9	97.1	16 100*	54.0	99.1	15 900	61.7	101.3	13 800				40.0
42.0	35.0	89.3	9 700*	39.5	92.0	11 500*	45.4	95.2	15 000*	50.8	97.6	14 900	58.8	100.1	12 900				42.0
44.0	30.3	86.1	9 100*	35.3	89.3	10 800*	41.8	93.1	14 000*	47.4	95.8	13 900	55.8	98.8	12 000				44.0
46.0	24.8	82.2	8 700*	30.6	86.2	10 200*	37.8	90.6	13 100*	43.9	93.8	13 100	52.7	97.3	11 200				46.0
48.0	17.8	76.9	8 500*	25.2	82.4	9 600*	33.4	87.8	12 200*	40.1	91.6	12 300	49.4	95.7	10 500				48.0
50.0				18.3	77.2	9 300*	28.5	84.4	11 500*	36.0	89.0	11 600	46.0	93.8	9 900	54.3	96.4	8 200	50.0
52.0							22.6	80.1	10 800*	31.4	85.9	10 900	42.4	91.7	9 300	51.2	94.9	7 700	52.0
54.0							14.5	74.0	10 100*	26.1	82.2	10 300	38.5	89.3	8 800	47.8	93.2	7 200	54.0
56.0										19.6	77.3	9 700*	34.2	86.6	8 200	44.3	91.2	6 800	56.0
58.0													29.4	83.3	7 700	40.6	89.0	6 400	58.0
60.0													23.7	79.2	7 300	36.5	86.4	6 000	60.0
62.0													16.1	73.5	6 900	32.0	83.4	5 600	62.0
64.0																26.8	79.8	5 300	64.0
66.0																20.4	75.1	4 900	66.0
68.0																10.8	67.7	4 600	68.0

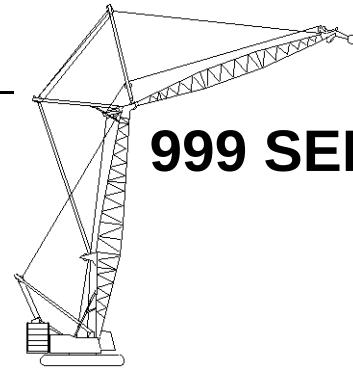


Liftcrane Luffing Jib Capacities

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

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



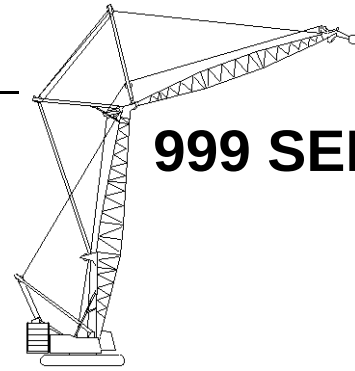
61.0m (200 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	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	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	19 500*	67.3	107.2	21 300							32.0
34.0	53.0	102.1	12 300*	56.1	103.5	14 900*	60.5	105.2	19 000*	64.7	106.3	19 600							34.0
36.0	50.0	100.5	11 500*	53.2	102.1	13 900*	57.7	103.9	17 900*	62.0	105.3	18 100							36.0
38.0	46.8	98.7	10 700*	50.2	100.4	13 000*	54.9	102.6	16 800*	59.3	104.1	16 800							38.0
40.0	43.5	96.6	10 000*	47.0	98.7	12 100*	52.0	101.1	15 800*	56.5	102.9	15 700							40.0
42.0	39.9	94.4	9 400*	43.7	96.6	11 300*	48.9	99.4	14 700*	53.7	101.5	14 600	60.9	103.6	12 500				42.0
44.0	36.0	91.8	8 800*	40.1	94.4	10 500*	45.7	97.5	13 700*	50.7	99.9	13 700	58.2	102.4	11 700				44.0
46.0	31.8	88.7	8 300*	36.3	91.8	9 900*	42.2	95.4	12 800*	47.5	98.1	12 900	55.4	101.1	11 000				46.0
48.0	26.9	85.1	7 900*	32.1	88.8	9 400*	38.6	93.0	11 900*	44.2	96.1	12 100	52.4	99.6	10 300				48.0
50.0	21.0	80.5	7 600*	27.2	85.2	8 900*	34.6	90.3	11 200*	40.7	93.9	11 300	49.4	98.0	9 600				50.0
52.0				21.4	80.7	8 400*	30.2	87.1	10 500*	36.9	91.4	10 600*	46.2	96.1	9 000	54.0	98.8	7 400	52.0
54.0				13.4	74.1	8 300*	25.0	83.2	9 800*	32.8	88.5	9 900*	42.8	94.1	8 500	51.0	97.2	7 000	54.0
56.0							18.5	78.0	9 200*	28.1	85.0	9 400*	39.2	91.7	8 000	47.9	95.5	6 500	56.0
58.0										22.5	80.7	8 800*	35.3	89.0	7 500	44.6	93.5	6 100	58.0
60.0										15.0	74.6	8 200*	30.9	85.9	7 100	41.1	91.3	5 700	60.0
62.0													25.9	82.1	6 700	37.4	88.8	5 300	62.0
64.0													19.7	77.3	6 300	33.3	86.0	5 000	64.0
66.0																28.7	82.6	4 700	66.0
68.0																23.2	78.4	4 400	68.0
70.0																16.0	72.6	4 100	70.0

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

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



999 SERIES 3

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	18 000*	66.3	109.7	19 400							34.0
36.0	52.8	104.4	11 200*	55.7	105.8	13 600*	59.8	107.5	17 300*	63.8	108.7	18 000							36.0
38.0	49.9	102.8	10 500*	52.9	104.4	12 700*	57.2	106.3	16 300*	61.3	107.7	16 700							38.0
40.0	46.9	101.0	9 800*	50.1	102.7	11 900*	54.6	104.9	15 400*	58.8	106.5	15 500							40.0
42.0	43.8	99.0	9 100*	47.1	101.0	11 100*	51.8	103.4	14 500*	56.1	105.2	14 400							42.0
44.0	40.5	96.7	8 600*	44.0	99.0	10 400*	48.9	101.7	13 400*	53.4	103.8	13 500	60.3	106.0	11 500				44.0
46.0	36.9	94.2	8 100*	40.7	96.7	9 700*	45.9	99.8	12 500*	50.6	102.2	12 700	57.7	104.8	10 700				46.0
48.0	33.0	91.3	7 600*	37.1	94.2	9 100*	42.7	97.7	11 700*	47.6	100.4	11 900*	55.0	103.4	10 100				48.0
50.0	28.6	87.9	7 300*	33.3	91.3	8 600*	39.3	95.4	11 000*	44.5	98.5	11 100*	52.2	101.9	9 400				50.0
52.0	23.5	83.7	7 000*	28.9	88.0	8 200*	35.6	92.7	10 300*	41.3	96.3	10 400*	49.4	100.3	8 800	56.4	102.5	7 200	52.0
54.0	17.0	78.2	6 800*	23.9	83.9	7 800*	31.5	89.7	9 600*	37.7	93.8	9 700*	46.4	98.4	8 300	53.7	101.1	6 700	54.0
56.0				17.5	78.4	7 600*	27.0	86.0	9 000*	33.9	91.0	9 100*	43.2	96.4	7 800	50.9	99.5	6 300	56.0
58.0							21.5	81.5	8 500*	29.7	87.7	8 600*	39.8	94.1	7 300	48.0	97.8	5 900	58.0
60.0							14.0	75.1	7 900*	24.8	83.7	8 100*	36.2	91.5	6 900	44.9	95.8	5 500	60.0
62.0										18.7	78.6	7 500*	32.2	88.5	6 500	41.6	93.7	5 200	62.0
64.0										9.2	70.3	7 100*	27.8	85.0	6 100	38.2	91.2	4 800	64.0
66.0													22.5	80.6	5 800	34.4	88.5	4 500	66.0
68.0													15.5	74.7	5 400	30.2	85.3	4 200	68.0
70.0																25.4	81.4	3 900	70.0
72.0																19.5	76.4	3 700	72.0
74.0																10.7	68.8	3 400	74.0