



Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



999 SERIES 3

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

Consult Luffing Jib Raising Procedure chart **No. 9269-A** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

Weight of all load blocks, hooks, weight ball, slings, etc., beneath intermediate fall is considered part of intermediate fall load. Reeved hoist line for intermediate fall is included in luffing jib weight. 1 770 kg suspended beneath luffing jib point sheaves has been included in capacity determination. Fixed jib weight and 1 220 kg suspended beneath fixed jib point also included in capacity determination. 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 fixed jib assembly **No. 196404**, luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8405-A** and Luffing Jib Raising Procedure chart **No. 9269-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Wind speed to be measured at jib point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 83 degrees and luffing jib at 65 degrees. Lower boom and jib onto blocking at ground level when wind is above 11 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level (not to exceed 13 mm in 3m) and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-F**.

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

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

INTERMEDIATE FALL ELEVATION: Intermediate fall elevation is vertical distance from ground level to centerline of intermediate fall 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. 8421-AM** for luffing jib capacities. Consult chart **No. 8356-AM** for fixed jib on luffing jib capacities.

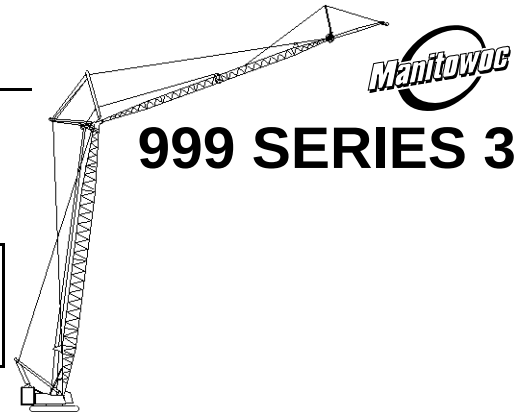
Boom Catwalks Deduct

Deduct 150 kg from capacities when boom catwalks are attached.

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters		
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall				
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms			
10.7	74.2	50.0	26 300*										10.7		
11.0	73.3	49.9	25 500*										11.0		
12.0	70.8	49.5	23 000*										12.0		
13.0	68.3	49.1	20 400*	70.4	49.4	23 000*							13.0		
14.0	65.7	48.7	17 700*	67.9	49.0	19 800*							14.0		
15.0	63.0	48.2	15 700*	65.3	48.5	17 400*							15.0		
16.0	60.3	47.6	14 000*	62.6	48.0	15 500*	66.0	48.5	18 200*				16.0		
17.0	57.5	46.9	12 700*	59.9	47.4	13 900*	63.3	48.0	16 000*	66.7	48.4	18 700*	17.0		
18.0	54.6	46.2	11 400*	57.1	46.8	12 500*	60.6	47.4	14 300*	64.0	47.9	16 600*	18.0		
19.0	51.6	45.4	10 400*	54.2	46.1	11 300*	57.8	46.8	12 900*	61.3	47.4	14 700*	19.0		
20.0	48.4	44.6	9 500*	51.1	45.2	10 300*	54.9	46.1	11 700*	58.6	46.7	13 200*	20.0		
21.0	45.1	43.6	8 700*	48.0	44.3	9 400*	52.0	45.3	10 600*	55.7	46.1	12 000*	21.0		
22.0	41.6	42.4	8 000*	44.6	43.3	8 600*	48.8	44.4	9 600*	52.7	45.3	10 900*	22.0		
23.0	37.8	41.2	7 300*	41.0	42.2	7 900*	45.5	43.5	8 800*	49.6	44.4	9 900*	23.0		
24.0	33.5	39.7	6 700*	37.1	40.9	7 200*	42.0	42.4	8 100*	46.4	43.5	9 100*	24.0		
25.0	28.8	37.9	6 200*	32.9	39.4	6 700*	38.2	41.1	7 500*	42.9	42.4	8 300*	25.0		
26.0				28.0	37.6	6 200*	34.1	39.7	6 900*	39.2	41.2	7 600*	26.0		
27.0				22.1	35.3	5 700*	29.4	37.9	6 300*	35.2	39.8	7 000*	27.0		
28.0							23.8	35.8	5 800*	30.6	38.2	6 500*	28.0		
29.0												25.3	36.2	6 000*	29.0
30.0												18.6	33.5	5 600*	30.0

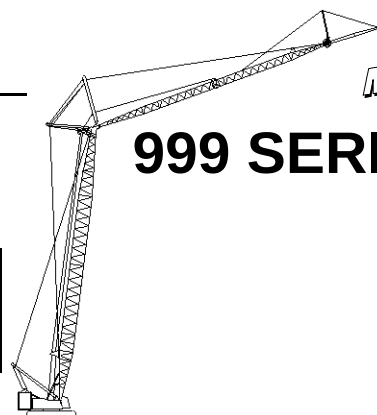


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



24.4m (80 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
10.7	76.0	53.2	26 300*										10.7
11.0	75.2	53.1	26 300*										11.0
12.0	73.1	52.8	26 300*										12.0
13.0	70.8	52.4	24 700*										13.0
14.0	68.6	52.0	22 700*	70.5	52.3	25 100*							14.0
15.0	66.3	51.6	20 200*	68.2	51.9	22 200*							15.0
16.0	63.9	51.1	17 900*	65.9	51.4	19 700*	68.8	51.8	23 000*				16.0
17.0	61.5	50.5	16 200*	63.6	50.9	17 700*	66.5	51.4	20 300*				17.0
18.0	59.1	49.9	14 700*	61.2	50.4	16 000*	64.2	50.9	18 200*				18.0
19.0	56.6	49.3	13 400*	58.7	49.8	14 500*	61.8	50.4	16 400*	64.8	50.8	18 900*	19.0
20.0	54.0	48.5	12 200*	56.2	49.1	13 200*	59.4	49.8	15 000*	62.4	50.3	16 900*	20.0
21.0	51.3	47.7	11 200*	53.6	48.4	12 100*	56.9	49.1	13 600*	60.0	49.7	15 400*	21.0
22.0	48.5	46.9	10 300*	50.9	47.5	11 100*	54.3	48.4	12 400*	57.5	49.1	14 000*	22.0
23.0	45.6	45.9	9 500*	48.1	46.6	10 300*	51.6	47.6	11 400*	55.0	48.4	12 800*	23.0
24.0	42.5	44.8	8 800*	45.1	45.7	9 400*	48.8	46.7	10 500*	52.3	47.6	11 800*	24.0
25.0	39.2	43.6	8 200*	42.0	44.6	8 700*	45.9	45.8	9 700*	49.6	46.7	10 800*	25.0
26.0	35.6	42.2	7 600*	38.7	43.3	8 100*	42.8	44.7	9 000*	46.7	45.8	9 900*	26.0
27.0	31.7	40.6	7 000*	35.0	41.9	7 500*	39.6	43.5	8 300*	43.7	44.8	9 200*	27.0
28.0	27.2	38.8	6 400*	31.1	40.3	7 000*	36.0	42.2	7 700*	40.4	43.6	8 500*	28.0
29.0				26.5	38.4	6 500*	32.2	40.6	7 200*	37.0	42.3	7 900*	29.0
30.0				21.0	35.9	5 400*	27.8	38.8	6 600*	33.2	40.8	7 400*	30.0
31.0							22.6	36.5	5 800*	29.0	39.0	6 800*	31.0
32.0							15.7	33.4	4 400*	24.0	36.9	5 900*	32.0
33.0										17.8	34.1	4 800*	33.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At

5 Degree Offset Angle On

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

 Maximum Operating Wind Speed
(all boom lengths)

5 m/s


999 SERIES 3
24.4m (80 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
10.7	74.2	50.0	26 300*										10.7
11.0	73.3	49.9	25 200*										11.0
12.0	70.8	49.5	21 600*										12.0
13.0	68.3	49.1	18 600*	70.4	49.4	21 300*							13.0
14.0	65.7	48.7	16 400*	67.9	49.0	18 300*							14.0
15.0	63.0	48.2	14 500*	65.3	48.5	16 100*							15.0
16.0	60.3	47.6	13 000*	62.6	48.0	14 300*	66.0	48.5	16 800*				16.0
17.0	57.5	46.9	11 700*	59.9	47.4	12 800*	63.3	48.0	14 800*	66.7	48.4	17 400*	17.0
18.0	54.6	46.2	10 600*	57.1	46.8	11 500*	60.6	47.4	13 200*	64.0	47.9	15 400*	18.0
19.0	51.6	45.4	9 600*	54.2	46.1	10 400*	57.8	46.8	11 900*	61.3	47.4	13 600*	19.0
20.0	48.4	44.6	8 700*	51.1	45.2	9 500*	54.9	46.1	10 800*	58.6	46.7	12 300*	20.0
21.0	45.1	43.6	8 000*	48.0	44.3	8 600*	52.0	45.3	9 800*	55.7	46.1	11 100*	21.0
22.0	41.6	42.4	7 300*	44.6	43.3	7 900*	48.8	44.4	8 900*	52.7	45.3	10 100*	22.0
23.0	37.8	41.2	6 700*	41.0	42.2	7 300*	45.5	43.5	8 100*	49.6	44.4	9 200*	23.0
24.0	33.5	39.7	6 200*	37.1	40.9	6 700*	42.0	42.4	7 500*	46.4	43.5	8 400*	24.0
25.0	28.8	37.9	5 700*	32.9	39.4	6 200*	38.2	41.1	6 900*	42.9	42.4	7 700*	25.0
26.0				28.0	37.6	5 600*	34.1	39.7	6 300*	39.2	41.2	7 100*	26.0
27.0				22.1	35.3	4 700*	29.4	37.9	5 800*	35.2	39.8	6 500*	27.0
28.0							23.8	35.8	5 000*	30.6	38.2	6 000*	28.0
29.0										25.3	36.2	5 500*	29.0
30.0										18.6	33.5	4 200*	30.0



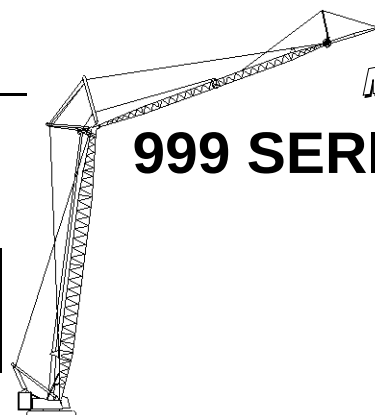
Liftcrane Luffing Jib

Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
 5 Degree Offset Angle On
 Luffing Jib No. 149 On
 Boom No. 82
 99 610 kg Crane Counterweight
 36 290 kg Carbody Counterweight
 360 Degree Rating

Maximum Operating Wind Speed
 (all boom lengths)
 5 m/s



24.4m (80 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
10.7	76.0	53.2	26 300*										10.7
11.0	75.2	53.1	26 300*										11.0
12.0	73.1	52.8	26 300*										12.0
13.0	70.8	52.4	24 300*										13.0
14.0	68.6	52.0	20 700*	70.5	52.3	23 200*							14.0
15.0	66.3	51.6	18 400*	68.2	51.9	20 500*							15.0
16.0	63.9	51.1	16 500*	65.9	51.4	18 100*	68.8	51.8	21 200*				16.0
17.0	61.5	50.5	14 900*	63.6	50.9	16 300*	66.5	51.4	18 800*				17.0
18.0	59.1	49.9	13 500*	61.2	50.4	14 700*	64.2	50.9	16 800*				18.0
19.0	56.6	49.3	12 300*	58.7	49.8	13 300*	61.8	50.4	15 200*	64.8	50.8	17 400*	19.0
20.0	54.0	48.5	11 200*	56.2	49.1	12 200*	59.4	49.8	13 800*	62.4	50.3	15 600*	20.0
21.0	51.3	47.7	10 300*	53.6	48.4	11 100*	56.9	49.1	12 500*	60.0	49.7	14 100*	21.0
22.0	48.5	46.9	9 500*	50.9	47.5	10 200*	54.3	48.4	11 500*	57.5	49.1	12 900*	22.0
23.0	45.6	45.9	8 700*	48.1	46.6	9 400*	51.6	47.6	10 500*	55.0	48.4	11 800*	23.0
24.0	42.5	44.8	8 100*	45.1	45.7	8 700*	48.8	46.7	9 700*	52.3	47.6	10 800*	24.0
25.0	39.2	43.6	7 400*	42.0	44.6	8 000*	45.9	45.8	8 900*	49.6	46.7	9 900*	25.0
26.0	35.6	42.2	6 700*	38.7	43.3	7 400*	42.8	44.7	8 200*	46.7	45.8	9 100*	26.0
27.0	31.7	40.6	5 200*	35.0	41.9	6 300*	39.6	43.5	7 600*	43.7	44.8	8 400*	27.0
28.0	27.2	38.8	3 700*	31.1	40.3	4 900*	36.0	42.2	6 700*	40.4	43.6	7 800*	28.0
29.0							32.2	40.6	5 200*	37.0	42.3	7 200*	29.0
30.0							27.8	38.8	3 800*	33.2	40.8	5 800*	30.0
31.0										29.0	39.0	4 200*	31.0
32.0										24.0	36.9	2 800*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At

5 Degree Offset Angle On

Luffing Jib No. 149 On

Boom No. 82

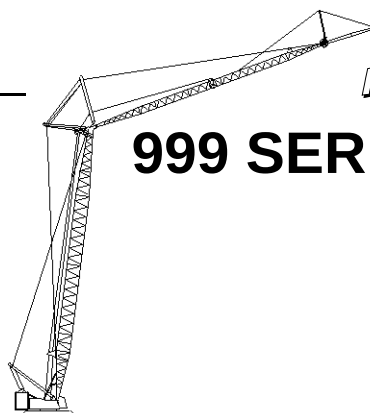
99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

 Maximum Operating Wind Speed
(all boom lengths)

5 m/s


999 SERIES 3
24.4m (80 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	74.4	55.9	26 300*										12.2
13.0	72.8	55.6	25 200*										13.0
14.0	70.8	55.3	23 600*	72.5	55.5	25 600*							14.0
15.0	68.8	54.9	21 400*	70.5	55.2	23 200*							15.0
16.0	66.7	54.5	19 300*	68.5	54.8	21 000*							16.0
17.0	64.7	54.0	17 500*	66.4	54.3	19 100*	69.0	54.7	21 600*				17.0
18.0	62.5	53.5	15 900*	64.3	53.8	17 300*	67.0	54.3	19 600*				18.0
19.0	60.4	52.9	14 500*	62.2	53.3	15 700*	64.9	53.8	17 800*				19.0
20.0	58.1	52.3	13 200*	60.0	52.7	14 400*	62.8	53.3	16 100*	65.4	53.7	18 300*	20.0
21.0	55.8	51.6	12 200*	57.8	52.1	13 200*	60.6	52.7	14 700*	63.3	53.2	16 600*	21.0
22.0	53.5	50.9	11 300*	55.5	51.4	12 100*	58.4	52.1	13 500*	61.2	52.7	15 100*	22.0
23.0	51.1	50.0	10 400*	53.1	50.7	11 200*	56.1	51.4	12 500*	59.0	52.1	13 900*	23.0
24.0	48.6	49.2	9 600*	50.7	49.8	10 300*	53.8	50.7	11 500*	56.7	51.4	12 800*	24.0
25.0	45.9	48.2	8 800*	48.2	49.0	9 600*	51.4	49.9	10 600*	54.4	50.7	11 800*	25.0
26.0	43.2	47.1	7 800*	45.5	48.0	8 900*	48.9	49.0	9 900*	52.0	49.9	10 900*	26.0
27.0	40.3	46.0	6 400*	42.8	46.9	7 600*	46.2	48.1	9 100*	49.5	49.0	10 100*	27.0
28.0	37.2	44.7	4 900*	39.8	45.7	6 100*	43.5	47.0	8 100*	46.9	48.1	9 300*	28.0
29.0	33.8	43.2	3 600*	36.7	44.4	4 700*	40.6	45.9	6 400*	44.2	47.1	8 400*	29.0
30.0	30.1	41.5	2 400*	33.3	42.9	3 400*	37.6	44.6	5 000*	41.4	46.0	7 000*	30.0
31.0							34.2	43.1	3 700*	38.4	44.7	5 400*	31.0
32.0							30.6	41.5	2 500*	35.1	43.3	4 000*	32.0
33.0										31.6	41.7	2 800*	33.0

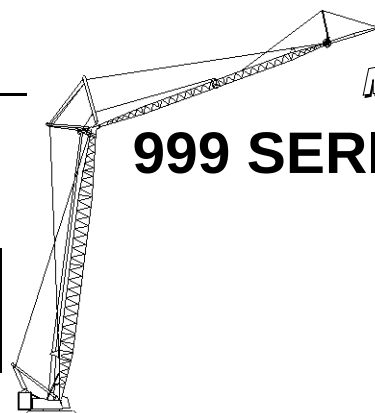


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



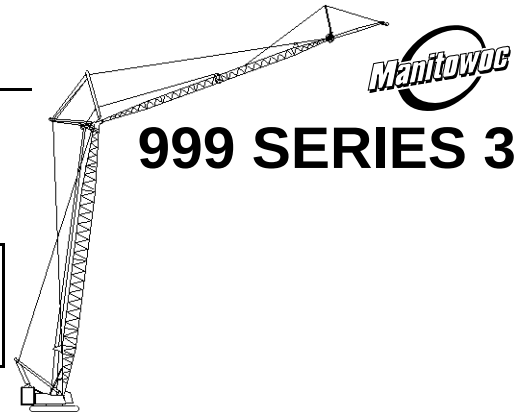
36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
10.7	75.2	62.3	26 300*										10.7
11.0	74.4	62.2	25 800*										11.0
12.0	71.9	61.9	24 600*										12.0
13.0	69.4	61.5	22 200*										13.0
14.0	66.8	61.1	18 900*	70.1	61.5	22 700*							14.0
15.0	64.2	60.6	16 600*	67.5	61.1	19 700*							15.0
16.0	61.5	60.0	14 800*	64.9	60.6	17 200*							16.0
17.0	58.7	59.4	13 300*	62.2	60.1	15 300*	67.3	60.8	19 500*				17.0
18.0	55.9	58.7	11 900*	59.5	59.5	13 700*	64.6	60.4	17 200*				18.0
19.0	52.9	58.0	10 800*	56.6	58.8	12 300*	62.0	59.8	15 200*				19.0
20.0	49.8	57.1	9 800*	53.7	58.1	11 200*	59.2	59.2	13 600*	64.3	60.0	17 000*	20.0
21.0	46.6	56.2	9 000*	50.7	57.3	10 100*	56.4	58.5	12 300*	61.7	59.4	15 200*	21.0
22.0	43.1	55.1	8 200*	47.5	56.4	9 300*	53.4	57.8	11 100*	58.9	58.8	13 500*	22.0
23.0	39.4	53.9	7 500*	44.1	55.3	8 500*	50.4	57.0	10 100*	56.0	58.2	12 200*	23.0
24.0	35.4	52.5	6 900*	40.5	54.2	7 800*	47.1	56.1	9 200*	53.1	57.4	11 100*	24.0
25.0	30.9	50.9	6 400*	36.5	52.8	7 100*	43.7	55.0	8 500*	50.0	56.6	10 100*	25.0
26.0	25.6	48.9	5 900*	32.2	51.3	6 600*	40.1	53.8	7 800*	46.8	55.6	9 200*	26.0
27.0	19.0	46.3	5 500*	27.2	49.4	6 100*	36.1	52.5	7 100*	43.3	54.6	8 400*	27.0
28.0				21.0	47.0	5 600*	31.7	50.9	6 600*	39.7	53.4	7 700*	28.0
29.0							26.6	49.0	6 100*	35.7	52.0	7 100*	29.0
30.0							20.3	46.5	5 600*	31.2	50.4	6 600*	30.0
31.0										26.0	48.4	6 000*	31.0
32.0										19.5	45.9	5 600*	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



36.6m (120 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.6	65.0	26 200*										12.2
13.0	71.8	64.8	25 500*										13.0
14.0	69.5	64.4	24 300*	72.4	64.8	25 800*							14.0
15.0	67.3	64.0	21 500*	70.2	64.4	24 500*							15.0
16.0	64.9	63.5	18 900*	67.9	64.0	22 400*							16.0
17.0	62.6	63.0	17 000*	65.6	63.5	19 600*	69.9	64.1	24 700*				17.0
18.0	60.2	62.4	15 300*	63.2	63.0	17 500*	67.7	63.7	21 900*				18.0
19.0	57.7	61.7	13 900*	60.8	62.5	15 800*	65.4	63.3	19 400*				19.0
20.0	55.1	61.0	12 700*	58.4	61.8	14 400*	63.0	62.7	17 500*	67.4	63.4	21 600*	20.0
21.0	52.5	60.3	11 600*	55.8	61.2	13 100*	60.6	62.2	15 800*	65.1	62.9	19 400*	21.0
22.0	49.7	59.4	10 700*	53.2	60.4	12 000*	58.1	61.6	14 300*	62.7	62.4	17 300*	22.0
23.0	46.8	58.5	9 800*	50.5	59.6	11 000*	55.6	60.9	13 100*	60.3	61.8	15 700*	23.0
24.0	43.8	57.5	9 000*	47.6	58.7	10 100*	52.9	60.1	12 000*	57.8	61.2	14 300*	24.0
25.0	40.6	56.3	8 300*	44.7	57.7	9 300*	50.2	59.3	11 000*	55.3	60.5	13 000*	25.0
26.0	37.2	55.0	7 700*	41.5	56.5	8 600*	47.4	58.4	10 100*	52.6	59.7	11 900*	26.0
27.0	33.4	53.5	7 200*	38.1	55.3	8 000*	44.4	57.3	9 300*	49.9	58.9	10 900*	27.0
28.0	29.2	51.8	6 600*	34.5	53.9	7 400*	41.2	56.2	8 600*	47.0	57.9	10 100*	28.0
29.0	24.3	49.7	6 200*	30.4	52.2	6 800*	37.8	54.9	8 000*	44.0	56.9	9 300*	29.0
30.0	18.1	46.9	5 800*	25.7	50.2	6 300*	34.1	53.5	7 400*	40.8	55.8	8 600*	30.0
31.0				20.0	47.7	5 800*	30.0	51.8	6 800*	37.4	54.5	8 000*	31.0
32.0				11.6	43.8	5 100*	25.2	49.8	6 400*	33.7	53.0	7 400*	32.0
33.0							19.4	47.2	5 900*	29.5	51.3	6 900*	33.0
34.0										24.7	49.2	6 400*	34.0
35.0										18.6	46.5	6 000*	35.0



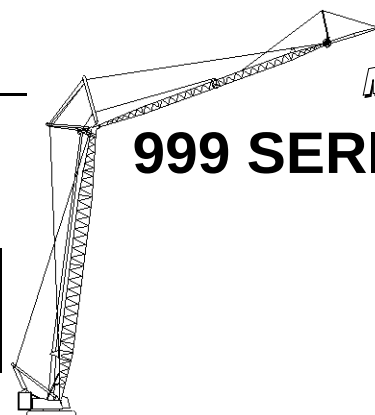
Liftcrane Luffing Jib

Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
 5 Degree Offset Angle On
 Luffing Jib No. 149 On
 Boom No. 82
 99 610 kg Crane Counterweight
 36 290 kg Carbody Counterweight
 360 Degree Rating

Maximum Operating Wind Speed
 (all boom lengths)
 5 m/s

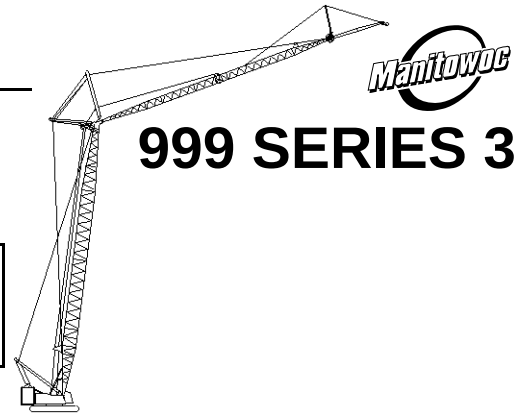

36.6m (120 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
10.7	75.2	62.3	26 300*										10.7
11.0	74.4	62.2	25 400*										11.0
12.0	71.9	61.9	23 000*										12.0
13.0	69.4	61.5	20 300*										13.0
14.0	66.8	61.1	17 500*	70.1	61.5	21 000*							14.0
15.0	64.2	60.6	15 400*	67.5	61.1	18 300*							15.0
16.0	61.5	60.0	13 700*	64.9	60.6	16 000*							16.0
17.0	58.7	59.4	12 200*	62.2	60.1	14 200*	67.3	60.8	18 100*				17.0
18.0	55.9	58.7	11 000*	59.5	59.5	12 700*	64.6	60.4	15 900*				18.0
19.0	52.9	58.0	10 000*	56.6	58.8	11 400*	62.0	59.8	14 100*				19.0
20.0	49.8	57.1	9 100*	53.7	58.1	10 300*	59.2	59.2	12 600*	64.3	60.0	15 800*	20.0
21.0	46.6	56.2	8 300*	50.7	57.3	9 400*	56.4	58.5	11 400*	61.7	59.4	14 000*	21.0
22.0	43.1	55.1	7 600*	47.5	56.4	8 500*	53.4	57.8	10 300*	58.9	58.8	12 500*	22.0
23.0	39.4	53.9	6 900*	44.1	55.3	7 800*	50.4	57.0	9 300*	56.0	58.2	11 300*	23.0
24.0	35.4	52.5	6 400*	40.5	54.2	7 100*	47.1	56.1	8 500*	53.1	57.4	10 200*	24.0
25.0	30.9	50.9	5 900*	36.5	52.8	6 500*	43.7	55.0	7 800*	50.0	56.6	9 300*	25.0
26.0	25.6	48.9	5 400*	32.2	51.3	6 000*	40.1	53.8	7 200*	46.8	55.6	8 500*	26.0
27.0	19.0	46.3	5 000*	27.2	49.4	5 600*	36.1	52.5	6 600*	43.3	54.6	7 800*	27.0
28.0				21.0	47.0	5 100*	31.7	50.9	6 000*	39.7	53.4	7 100*	28.0
29.0							26.6	49.0	5 600*	35.7	52.0	6 500*	29.0
30.0							20.3	46.5	5 100*	31.2	50.4	6 000*	30.0
31.0										26.0	48.4	5 600*	31.0
32.0										19.5	45.9	5 100*	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



36.6m (120 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.6	65.0	26 200*										12.2
13.0	71.8	64.8	24 500*										13.0
14.0	69.5	64.4	22 200*	72.4	64.8	25 500*							14.0
15.0	67.3	64.0	19 600*	70.2	64.4	22 800*							15.0
16.0	64.9	63.5	17 400*	67.9	64.0	20 300*							16.0
17.0	62.6	63.0	15 600*	65.6	63.5	18 000*	69.9	64.1	22 800*				17.0
18.0	60.2	62.4	14 100*	63.2	63.0	16 200*	67.7	63.7	20 200*				18.0
19.0	57.7	61.7	12 800*	60.8	62.5	14 600*	65.4	63.3	17 900*				19.0
20.0	55.1	61.0	11 600*	58.4	61.8	13 200*	63.0	62.7	16 100*	67.4	63.4	19 900*	20.0
21.0	52.5	60.3	10 600*	55.8	61.2	12 000*	60.6	62.2	14 500*	65.1	62.9	17 800*	21.0
22.0	49.7	59.4	9 800*	53.2	60.4	11 000*	58.1	61.6	13 200*	62.7	62.4	16 000*	22.0
23.0	46.8	58.5	9 000*	50.5	59.6	10 100*	55.6	60.9	12 000*	60.3	61.8	14 400*	23.0
24.0	43.8	57.5	8 300*	47.6	58.7	9 300*	52.9	60.1	11 000*	57.8	61.2	13 100*	24.0
25.0	40.6	56.3	7 600*	44.7	57.7	8 500*	50.2	59.3	10 100*	55.3	60.5	12 000*	25.0
26.0	37.2	55.0	7 100*	41.5	56.5	7 900*	47.4	58.4	9 300*	52.6	59.7	11 000*	26.0
27.0	33.4	53.5	6 600*	38.1	55.3	7 300*	44.4	57.3	8 500*	49.9	58.9	10 100*	27.0
28.0	29.2	51.8	6 000*	34.5	53.9	6 700*	41.2	56.2	7 900*	47.0	57.9	9 300*	28.0
29.0	24.3	49.7	5 300*	30.4	52.2	6 200*	37.8	54.9	7 300*	44.0	56.9	8 500*	29.0
30.0	18.1	46.9	3 600*	25.7	50.2	5 500*	34.1	53.5	6 800*	40.8	55.8	7 900*	30.0
31.0				20.0	47.7	4 200*	30.0	51.8	6 200*	37.4	54.5	7 300*	31.0
32.0				11.6	43.8	2 000*	25.2	49.8	5 500*	33.7	53.0	6 800*	32.0
33.0							19.4	47.2	4 300*	29.5	51.3	6 100	33.0
34.0										24.7	49.2	5 300	34.0
35.0										18.6	46.5	4 000	35.0

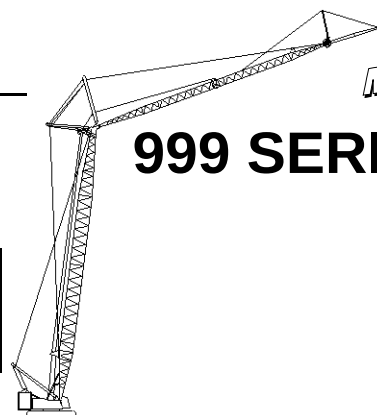


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



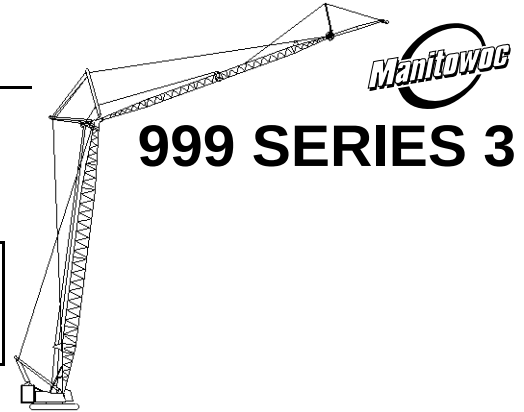
36.6m (120 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	75.3	68.2	26 200*										12.2
13.0	73.7	68.0	25 900*										13.0
14.0	71.7	67.6	25 100*										14.0
15.0	69.7	67.3	22 700*										15.0
16.0	67.6	66.8	20 300*	70.2	67.3	23 200*							16.0
17.0	65.5	66.4	18 300*	68.2	66.9	20 900*							17.0
18.0	63.4	65.9	16 600*	66.1	66.4	18 900*							18.0
19.0	61.3	65.3	15 000*	64.0	65.9	17 100*	68.0	66.6	20 800*				19.0
20.0	59.1	64.7	13 800*	61.9	65.4	15 500*	65.9	66.2	18 800*				20.0
21.0	56.8	64.1	12 600*	59.7	64.8	14 200*	63.8	65.7	17 100*				21.0
22.0	54.5	63.4	11 600*	57.4	64.2	13 000*	61.7	65.1	15 500*	65.7	65.8	18 700*	22.0
23.0	52.1	62.6	10 700*	55.1	63.5	11 900*	59.5	64.5	14 200*	63.6	65.3	16 900*	23.0
24.0	49.6	61.7	9 900*	52.8	62.7	11 000*	57.2	63.9	13 000*	61.4	64.7	15 400*	24.0
25.0	47.1	60.8	9 100*	50.3	61.9	10 200*	54.9	63.2	12 000*	59.2	64.1	14 100*	25.0
26.0	44.4	59.8	8 500*	47.8	61.0	9 400*	52.5	62.4	11 000*	57.0	63.5	13 000*	26.0
27.0	41.5	58.7	7 900*	45.1	60.0	8 700*	50.1	61.6	10 200*	54.7	62.8	11 900*	27.0
28.0	38.5	57.4	7 200*	42.3	58.9	8 100*	47.5	60.7	9 500*	52.3	62.0	11 000*	28.0
29.0	35.3	56.0	6 500*	39.4	57.7	7 500*	44.9	59.7	8 800*	49.8	61.2	10 200*	29.0
30.0	31.8	54.4	5 300*	36.2	56.3	6 700*	42.0	58.6	8 100*	47.2	60.2	9 500*	30.0
31.0	27.8	52.6	4 000*	32.8	54.8	5 600*	39.1	57.3	7 500*	44.5	59.2	8 600	31.0
32.0	23.2	50.4	2 900*	28.9	53.0	4 300*	35.9	56.0	6 700*	41.7	58.1	7 600	32.0
33.0				24.6	51.0	3 200*	32.4	54.4	5 500*	38.7	56.9	6 700	33.0
34.0							28.5	52.6	4 100*	35.5	55.5	5 800	34.0
35.0							24.1	50.5	3 000*	32.0	53.9	4 900	35.0
36.0										28.1	52.1	4 000	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	72.5	74.1	26 200*										12.2
13.0	70.4	73.8	23 500*										13.0
14.0	67.9	73.4	20 300*	72.2	74.0	25 300*							14.0
15.0	65.3	73.0	17 800*	69.7	73.6	22 400*							15.0
16.0	62.6	72.5	15 700*	67.1	73.2	19 700*							16.0
17.0	59.9	71.9	14 000*	64.5	72.7	17 200*							17.0
18.0	57.1	71.2	12 600*	61.8	72.2	15 300*							18.0
19.0	54.2	70.5	11 300*	59.1	71.6	13 600*	65.9	72.7	18 700*				19.0
20.0	51.1	69.7	10 200*	56.2	70.9	12 300*	63.3	72.2	16 400*				20.0
21.0	48.0	68.8	9 300*	53.3	70.1	11 100*	60.6	71.6	14 600*				21.0
22.0	44.6	67.8	8 500*	50.2	69.3	10 000*	57.8	71.0	13 100*	64.7	72.0	17 700*	22.0
23.0	41.0	66.6	7 800*	47.0	68.4	9 200*	54.9	70.3	11 800*	62.0	71.5	15 700*	23.0
24.0	37.2	65.3	7 200*	43.6	67.3	8 400*	51.9	69.5	10 700*	59.2	70.9	14 000*	24.0
25.0	32.9	63.8	6 600*	39.9	66.2	7 600*	48.7	68.6	9 700*	56.4	70.2	12 600*	25.0
26.0	28.0	62.0	6 100*	35.9	64.8	7 000*	45.4	67.6	8 900*	53.4	69.5	11 400*	26.0
27.0	22.1	59.7	5 600*	31.5	63.2	6 500*	41.9	66.5	8 100*	50.4	68.7	10 300*	27.0
28.0				26.3	61.3	6 000*	38.1	65.3	7 500*	47.2	67.7	9 400*	28.0
29.0							33.9	63.8	6 900*	43.8	66.7	8 600*	29.0
30.0							29.2	62.1	6 300*	40.1	65.5	7 900*	30.0
31.0							23.6	59.9	5 800*	36.2	64.2	7 200*	31.0
32.0							16.1	56.9	5 400*	31.8	62.6	6 700*	32.0
33.0										26.7	60.7	6 100*	33.0

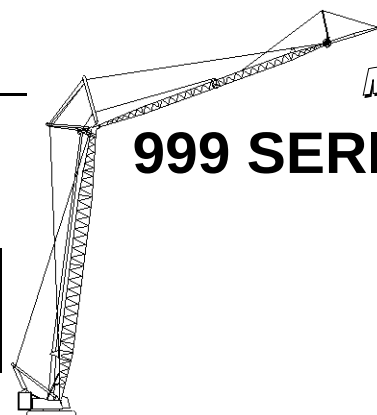


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



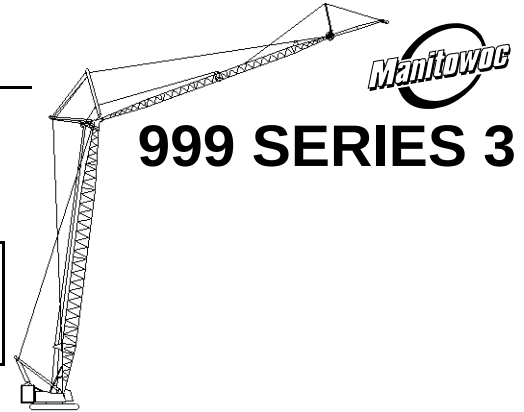
48.8m (160 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	74.5	77.3	26 100*										12.2
13.0	72.7	77.1	26 100*										13.0
14.0	70.5	76.7	25 300*										14.0
15.0	68.2	76.3	22 600*										15.0
16.0	65.9	75.9	20 100*	69.8	76.5	24 400*							16.0
17.0	63.6	75.4	17 900*	67.5	76.1	22 000*							17.0
18.0	61.2	74.8	16 100*	65.2	75.6	19 600*							18.0
19.0	58.7	74.2	14 600*	62.9	75.1	17 500*	68.8	76.0	23 700*				19.0
20.0	56.2	73.5	13 200*	60.5	74.5	15 700*	66.5	75.6	20 900*				20.0
21.0	53.6	72.8	12 100*	58.0	73.9	14 300*	64.1	75.1	18 700*				21.0
22.0	50.9	72.0	11 000*	55.4	73.2	13 000*	61.8	74.6	16 800*				22.0
23.0	48.1	71.1	10 100*	52.8	72.4	11 900*	59.3	74.0	15 200*	65.4	75.0	19 100	23.0
24.0	45.1	70.1	9 300*	50.1	71.6	10 900*	56.8	73.3	13 800*	63.0	74.4	17 500	24.0
25.0	42.0	69.0	8 600*	47.2	70.7	10 000*	54.2	72.6	12 600*	60.6	73.9	16 000	25.0
26.0	38.7	67.8	7 900*	44.2	69.7	9 200*	51.5	71.8	11 500*	58.1	73.2	14 600	26.0
27.0	35.1	66.4	7 300*	41.0	68.5	8 500*	48.8	70.9	10 600*	55.6	72.6	13 300	27.0
28.0	31.1	64.7	6 600*	37.6	67.2	7 800*	45.8	69.9	9 700*	52.9	71.8	12 100	28.0
29.0	26.5	62.8	5 700*	33.9	65.8	7 200*	42.8	68.9	9 000*	50.2	71.0	10 900	29.0
30.0	21.0	60.4	5 100*	29.8	64.1	6 700*	39.5	67.7	8 300*	47.4	70.1	9 900	30.0
31.0				25.0	62.0	6 200*	35.9	66.3	7 700*	44.4	69.0	8 900	31.0
32.0				19.0	59.4	5 800*	32.0	64.8	7 100*	41.2	67.9	7 900	32.0
33.0							27.7	62.9	6 600*	37.8	66.6	7 000	33.0
34.0							22.4	60.6	6 100*	34.1	65.2	6 200	34.0
35.0							15.5	57.5	5 700*	30.0	63.5	5 400	35.0
36.0										25.3	61.5	4 700	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



48.8m (160 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	72.5	74.1	24 600*										12.2
13.0	70.4	73.8	21 900*										13.0
14.0	67.9	73.4	18 700*	72.2	74.0	24 500*							14.0
15.0	65.3	73.0	16 400*	69.7	73.6	21 000*							15.0
16.0	62.6	72.5	14 500*	67.1	73.2	18 100*							16.0
17.0	59.9	71.9	12 900*	64.5	72.7	15 900*							17.0
18.0	57.1	71.2	11 600*	61.8	72.2	14 100*							18.0
19.0	54.2	70.5	10 400*	59.1	71.6	12 600*	65.9	72.7	17 300*				19.0
20.0	51.1	69.7	9 400*	56.2	70.9	11 300*	63.3	72.2	15 200*				20.0
21.0	48.0	68.8	8 600*	53.3	70.1	10 200*	60.6	71.6	13 500*				21.0
22.0	44.6	67.8	7 800*	50.2	69.3	9 300*	57.8	71.0	12 100*	64.7	72.0	16 400*	22.0
23.0	41.0	66.6	7 200*	47.0	68.4	8 400*	54.9	70.3	10 900*	62.0	71.5	14 500*	23.0
24.0	37.2	65.3	6 600*	43.6	67.3	7 700*	51.9	69.5	9 900*	59.2	70.9	12 900*	24.0
25.0	32.9	63.8	6 000*	39.9	66.2	7 000*	48.7	68.6	9 000*	56.4	70.2	11 600*	25.0
26.0	28.0	62.0	5 500*	35.9	64.8	6 500*	45.4	67.6	8 200*	53.4	69.5	10 500*	26.0
27.0	22.1	59.7	5 000*	31.5	63.2	5 900*	41.9	66.5	7 500*	50.4	68.7	9 500*	27.0
28.0				26.3	61.3	5 500*	38.1	65.3	6 900*	47.2	67.7	8 700*	28.0
29.0							33.9	63.8	6 300*	43.8	66.7	7 900	29.0
30.0							29.2	62.1	5 800*	40.1	65.5	7 100	30.0
31.0							23.6	59.9	5 300*	36.2	64.2	6 300	31.0
32.0							16.1	56.9	4 900*	31.8	62.6	5 200	32.0
33.0										26.7	60.7	4 300	33.0

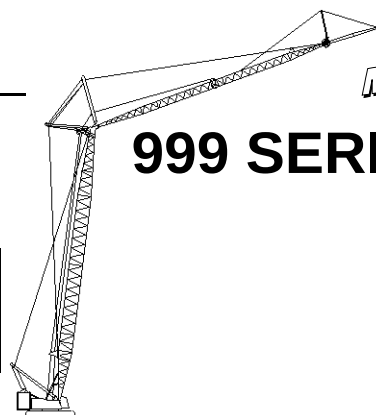


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



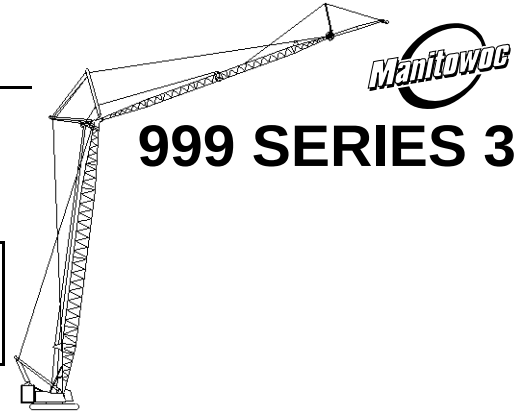
48.8m (160 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	74.5	77.3	26 100*										12.2
13.0	72.7	77.1	25 300*										13.0
14.0	70.5	76.7	24 000*										14.0
15.0	68.2	76.3	21 100*										15.0
16.0	65.9	75.9	18 400*	69.8	76.5	23 000*							16.0
17.0	63.6	75.4	16 500*	67.5	76.1	20 200*							17.0
18.0	61.2	74.8	14 800*	65.2	75.6	17 900*							18.0
19.0	58.7	74.2	13 400*	62.9	75.1	16 000*	68.8	76.0	21 900*				19.0
20.0	56.2	73.5	12 100*	60.5	74.5	14 500*	66.5	75.6	19 200*				20.0
21.0	53.6	72.8	11 000*	58.0	73.9	13 100*	64.1	75.1	17 200*				21.0
22.0	50.9	72.0	10 100*	55.4	73.2	11 900*	61.8	74.6	15 500*				22.0
23.0	48.1	71.1	9 300*	52.8	72.4	10 900*	59.3	74.0	14 000*	65.4	75.0	17 100	23.0
24.0	45.1	70.1	8 500*	50.1	71.6	9 900*	56.8	73.3	12 700*	63.0	74.4	15 500	24.0
25.0	42.0	69.0	7 800*	47.2	70.7	9 100*	54.2	72.6	11 600*	60.6	73.9	13 900	25.0
26.0	38.7	67.8	6 900*	44.2	69.7	8 400*	51.5	71.8	10 600*	58.1	73.2	12 500	26.0
27.0	35.1	66.4	5 900*	41.0	68.5	7 700*	48.8	70.9	9 700*	55.6	72.6	11 100	27.0
28.0	31.1	64.7	5 000*	37.6	67.2	7 100*	45.8	69.9	8 900*	52.9	71.8	9 900	28.0
29.0	26.5	62.8	4 200*	33.9	65.8	6 600*	42.8	68.9	8 200*	50.2	71.0	8 700	29.0
30.0	21.0	60.4	3 400*	29.8	64.1	6 100*	39.5	67.7	7 600*	47.4	70.1	7 600	30.0
31.0				25.0	62.0	5 400*	35.9	66.3	6 900	44.4	69.0	6 600	31.0
32.0				19.0	59.4	4 100*	32.0	64.8	6 100	41.2	67.9	5 600	32.0
33.0							27.7	62.9	5 200	37.8	66.6	4 700	33.0
34.0							22.4	60.6	4 200*	34.1	65.2	3 900	34.0
35.0							15.5	57.5	3 100*	30.0	63.5	3 000	35.0
36.0										25.3	61.5	2 300	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



48.8m (160 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib, 9.1m (30 Ft.) - 21.3m (70 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
13.7	73.1	80.1	26 100*										13.7
14.0	72.5	80.0	25 600*										14.0
15.0	70.5	79.6	23 600*										15.0
16.0	68.5	79.2	21 500*	71.9	79.8	24 900*							16.0
17.0	66.4	78.8	19 300*	69.9	79.4	23 100*							17.0
18.0	64.3	78.3	17 400*	67.9	79.0	21 000*							18.0
19.0	62.2	77.8	15 700*	65.8	78.5	18 800*							19.0
20.0	60.0	77.2	14 300*	63.7	78.0	17 000*	69.0	78.9	22 100*				20.0
21.0	57.8	76.5	13 100*	61.6	77.5	15 400*	66.9	78.5	20 100*				21.0
22.0	55.5	75.9	12 000*	59.4	76.9	14 100*	64.8	78.0	18 100*				22.0
23.0	53.1	75.1	11 000*	57.1	76.2	12 900*	62.7	77.5	16 400*				23.0
24.0	50.7	74.3	10 000*	54.8	75.5	11 800*	60.5	76.9	15 000*				24.0
25.0	48.2	73.4	8 900*	52.4	74.8	10 900*	58.3	76.3	13 700*	63.8	77.4	14 000	25.0
26.0	45.5	72.4	7 700*	49.9	73.9	10 000*	56.0	75.6	12 600*	61.7	76.8	12 600	26.0
27.0	42.8	71.3	6 700*	47.4	73.0	9 300*	53.7	74.9	11 500*	59.5	76.2	11 300	27.0
28.0	39.8	70.1	5 800*	44.7	72.0	8 500*	51.3	74.1	10 600	57.2	75.6	10 100	28.0
29.0	36.7	68.8	5 000*	41.9	70.9	7 900*	48.8	73.2	9 600	54.9	74.9	9 000	29.0
30.0	33.3	67.3	4 200*	38.9	69.7	7 200*	46.2	72.3	8 600	52.6	74.1	7 900	30.0
31.0	29.6	65.6	3 400*	35.7	68.3	6 300*	43.4	71.2	7 500	50.1	73.3	6 900	31.0
32.0	25.3	63.6	2 400*	32.2	66.7	5 100*	40.5	70.0	6 500	47.5	72.4	5 900	32.0
33.0				28.3	64.9	4 100*	37.5	68.8	5 600	44.9	71.4	5 100	33.0
34.0				23.8	62.8	3 000*	34.1	67.3	4 800	42.1	70.3	4 200	34.0
35.0				18.3	60.0	1 900*	30.5	65.6	4 000	39.1	69.0	3 400	35.0
36.0							26.4	63.7	3 100	35.9	67.7	2 700	36.0

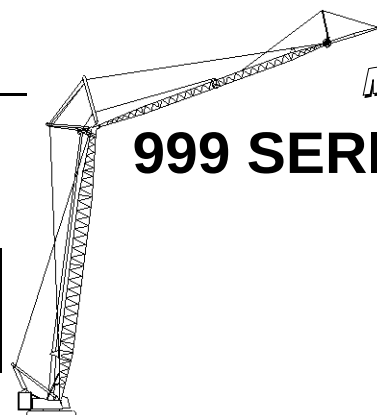


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
 5 Degree Offset Angle On
 Luffing Jib No. 149 On
 Boom No. 82
 99 610 kg Crane Counterweight
 36 290 kg Carbody Counterweight
 360 Degree Rating

Maximum Operating Wind Speed
 (all boom lengths)
 5 m/s



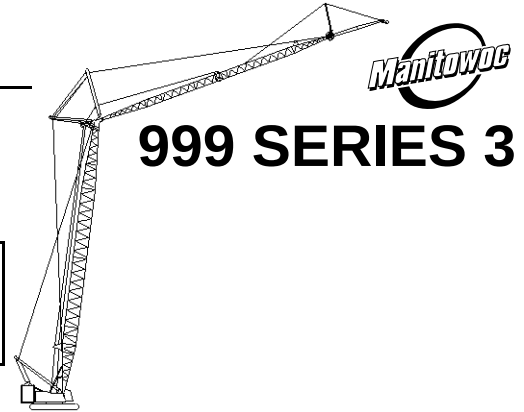
54.9m (180 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.0	80.3	26 100*										12.2
13.0	71.0	80.0	23 900*										13.0
14.0	68.4	79.6	21 100*	73.3	80.2	25 600*							14.0
15.0	65.9	79.2	18 500*	70.8	79.9	23 800*							15.0
16.0	63.2	78.7	16 200*	68.2	79.5	21 400*							16.0
17.0	60.5	78.1	14 400*	65.6	79.0	18 300*							17.0
18.0	57.7	77.5	12 900*	63.0	78.5	16 200*							18.0
19.0	54.8	76.7	11 600*	60.2	77.9	14 400*	67.8	79.1	21 000*				19.0
20.0	51.8	76.0	10 500*	57.4	77.3	12 900*	65.2	78.6	18 200*				20.0
21.0	48.6	75.1	9 500*	54.5	76.6	11 600*	62.6	78.1	16 100*				21.0
22.0	45.3	74.1	8 700*	51.5	75.8	10 500*	59.8	77.5	14 400*				22.0
23.0	41.8	73.0	7 900*	48.4	74.9	9 500*	57.0	76.9	12 900*	64.8	78.1	17 900	23.0
24.0	38.0	71.7	7 300*	45.0	73.9	8 700*	54.1	76.1	11 600*	62.1	77.5	16 000	24.0
25.0	33.8	70.3	6 700*	41.5	72.8	7 900*	51.1	75.3	10 500*	59.4	76.9	14 300*	25.0
26.0	29.1	68.5	6 100*	37.7	71.5	7 300*	47.9	74.4	9 600*	56.6	76.3	12 800*	26.0
27.0	23.5	66.4	5 400*	33.4	70.0	6 700*	44.5	73.4	8 700*	53.6	75.5	11 500*	27.0
28.0				28.6	68.2	6 200*	41.0	72.3	8 000*	50.6	74.7	10 500*	28.0
29.0							37.1	71.0	7 300*	47.4	73.8	9 500	29.0
30.0							32.8	69.4	6 700*	44.0	72.8	8 600	30.0
31.0							27.9	67.6	6 200*	40.3	71.6	7 800	31.0
32.0							21.9	65.3	5 700*	36.4	70.3	6 800	32.0
33.0										32.0	68.7	5 900	33.0
34.0										27.0	66.8	5 100	34.0
35.0										20.8	64.4	4 300	35.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



54.9m (180 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	75.0	83.5	26 100*										12.2
13.0	73.2	83.3	26 100*										13.0
14.0	71.0	82.9	25 400*										14.0
15.0	68.7	82.5	23 200*										15.0
16.0	66.4	82.1	20 800*	70.8	82.7	25 000*							16.0
17.0	64.1	81.6	18 400*	68.5	82.3	23 500*							17.0
18.0	61.7	81.0	16 500*	66.2	81.9	20 900*							18.0
19.0	59.3	80.4	14 900*	63.9	81.4	18 400*							19.0
20.0	56.7	79.8	13 500*	61.5	80.9	16 500*	68.2	82.0	23 200*				20.0
21.0	54.2	79.1	12 300*	59.0	80.3	14 900*	65.9	81.5	20 600*				21.0
22.0	51.5	78.3	11 200*	56.5	79.6	13 600*	63.5	81.0	18 400*				22.0
23.0	48.7	77.4	10 300*	53.9	78.9	12 400*	61.1	80.5	16 500*				23.0
24.0	45.8	76.4	9 100*	51.2	78.1	11 300*	58.7	79.9	15 000*				24.0
25.0	42.7	75.3	8 000*	48.4	77.2	10 300*	56.2	79.2	13 600*	63.1	80.5	14 800	25.0
26.0	39.4	74.1	6 900*	45.5	76.2	9 500*	53.5	78.4	12 400*	60.7	79.9	13 400	26.0
27.0	35.9	72.8	6 000*	42.4	75.1	8 700*	50.8	77.6	11 300*	58.3	79.3	12 100	27.0
28.0	32.0	71.2	5 200*	39.1	73.9	8 100*	48.0	76.7	10 400*	55.7	78.6	11 000	28.0
29.0	27.5	69.3	4 500*	35.5	72.5	7 400*	45.1	75.7	9 500*	53.1	77.9	9 900	29.0
30.0	22.3	67.1	3 900*	31.6	70.9	6 700*	41.9	74.6	8 800*	50.4	77.0	8 900	30.0
31.0				27.1	69.0	5 900*	38.6	73.4	8 100*	47.5	76.1	7 900	31.0
32.0				21.8	66.7	5 200*	35.0	72.0	7 500*	44.6	75.1	7 000	32.0
33.0							31.0	70.4	6 900	41.4	74.0	6 100	33.0
34.0							26.4	68.4	6 100	38.0	72.7	5 300	34.0
35.0							20.9	66.0	5 100	34.3	71.3	4 600	35.0
36.0										30.3	69.6	3 800	36.0
37.0										25.6	67.6	3 200	37.0
38.0										19.8	65.0	2 500	38.0

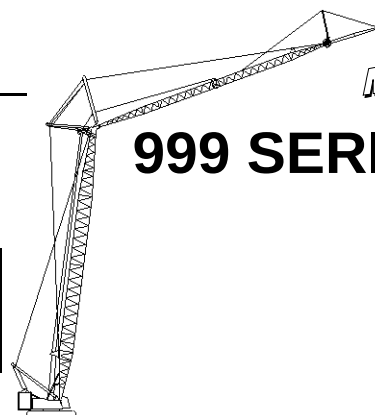


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
 5 Degree Offset Angle On
 Luffing Jib No. 149 On
 Boom No. 82
 99 610 kg Crane Counterweight
 36 290 kg Carbody Counterweight
 360 Degree Rating

Maximum Operating Wind Speed
 (all boom lengths)
 5 m/s



54.9m (180 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.0	80.3	25 800*										12.2
13.0	71.0	80.0	22 800*										13.0
14.0	68.4	79.6	19 400*	73.3	80.2	25 300*							14.0
15.0	65.9	79.2	16 900*	70.8	79.9	22 400*							15.0
16.0	63.2	78.7	14 900*	68.2	79.5	19 600*							16.0
17.0	60.5	78.1	13 300*	65.6	79.0	17 000*							17.0
18.0	57.7	77.5	11 900*	63.0	78.5	15 000*							18.0
19.0	54.8	76.7	10 700*	60.2	77.9	13 300*	67.8	79.1	19 400*				19.0
20.0	51.8	76.0	9 700*	57.4	77.3	11 900*	65.2	78.6	16 900*				20.0
21.0	48.6	75.1	8 800*	54.5	76.6	10 700*	62.6	78.1	14 900*				21.0
22.0	45.3	74.1	8 000*	51.5	75.8	9 700*	59.8	77.5	13 300*				22.0
23.0	41.8	73.0	7 200*	48.4	74.9	8 800*	57.0	76.9	11 900*	64.8	78.1	15 900	23.0
24.0	38.0	71.7	6 400*	45.0	73.9	8 000*	54.1	76.1	10 700*	62.1	77.5	14 300	24.0
25.0	33.8	70.3	5 500*	41.5	72.8	7 300*	51.1	75.3	9 700*	59.4	76.9	12 700	25.0
26.0	29.1	68.5	4 500*	37.7	71.5	6 700*	47.9	74.4	8 800*	56.6	76.3	11 300	26.0
27.0	23.5	66.4	3 800*	33.4	70.0	6 200*	44.5	73.4	8 000*	53.6	75.5	10 000	27.0
28.0				28.6	68.2	5 700*	41.0	72.3	7 300*	50.6	74.7	8 700	28.0
29.0							37.1	71.0	6 700*	47.4	73.8	7 600	29.0
30.0							32.8	69.4	6 200*	44.0	72.8	6 500	30.0
31.0							27.9	67.6	5 600*	40.3	71.6	5 400	31.0
32.0							21.9	65.3	4 700*	36.4	70.3	4 400	32.0
33.0										32.0	68.7	3 500	33.0
34.0										27.0	66.8	2 700	34.0
35.0										20.8	64.4	1 900	35.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



54.9m (180 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	75.0	83.5	26 100*										12.2
13.0	73.2	83.3	25 200*										13.0
14.0	71.0	82.9	23 900*										14.0
15.0	68.7	82.5	21 600*										15.0
16.0	66.4	82.1	19 100*	70.8	82.7	24 100*							16.0
17.0	64.1	81.6	16 900*	68.5	82.3	21 500*							17.0
18.0	61.7	81.0	15 100*	66.2	81.9	19 000*							18.0
19.0	59.3	80.4	13 600*	63.9	81.4	16 900*							19.0
20.0	56.7	79.8	12 400*	61.5	80.9	15 200*	68.2	82.0	21 300*				20.0
21.0	54.2	79.1	11 300*	59.0	80.3	13 700*	65.9	81.5	19 000*				21.0
22.0	51.5	78.3	10 100*	56.5	79.6	12 400*	63.5	81.0	16 900*				22.0
23.0	48.7	77.4	8 700*	53.9	78.9	11 300*	61.1	80.5	15 200*				23.0
24.0	45.8	76.4	7 500*	51.2	78.1	10 300*	58.7	79.9	13 700*				24.0
25.0	42.7	75.3	6 400*	48.4	77.2	9 400*	56.2	79.2	12 500*	63.1	80.5	12 800	25.0
26.0	39.4	74.1	5 400*	45.5	76.2	8 700*	53.5	78.4	11 400*	60.7	79.9	11 400	26.0
27.0	35.9	72.8	4 500*	42.4	75.1	8 000*	50.8	77.6	10 400*	58.3	79.3	10 100	27.0
28.0	32.0	71.2	3 700*	39.1	73.9	7 200*	48.0	76.7	9 400	55.7	78.6	8 900	28.0
29.0	27.5	69.3	3 000*	35.5	72.5	6 100*	45.1	75.7	8 400	53.1	77.9	7 800	29.0
30.0	22.3	67.1	2 400*	31.6	70.9	5 200*	41.9	74.6	7 300	50.4	77.0	6 700	30.0
31.0				27.1	69.0	4 400*	38.6	73.4	6 300	47.5	76.1	5 700	31.0
32.0				21.8	66.7	3 400*	35.0	72.0	5 400	44.6	75.1	4 800	32.0
33.0							31.0	70.4	4 500	41.4	74.0	3 900	33.0
34.0							26.4	68.4	3 600*	38.0	72.7	3 100	34.0
35.0							20.9	66.0	2 500*	34.3	71.3	2 300	35.0

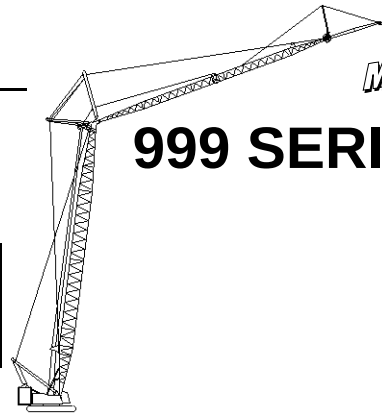


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



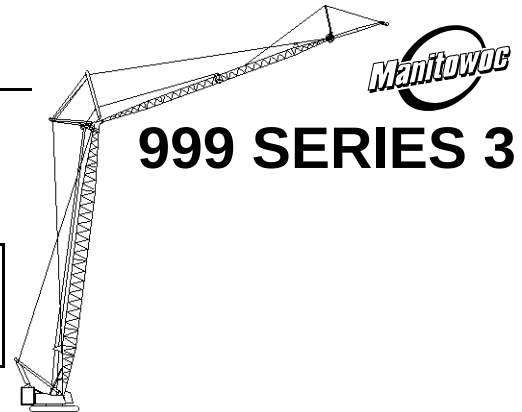
**54.9m (180 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib
9.1m (30 Ft.) - 21.3m (70 Ft.) Fixed Jib**

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
13.7	73.5	86.2	22 800*							13.7
14.0	73.0	86.1	22 400*							14.0
15.0	71.0	85.8	20 800*							15.0
16.0	68.9	85.4	19 300*							16.0
17.0	66.9	85.0	17 700*	70.8	85.6	23 200*				17.0
18.0	64.8	84.5	16 100*	68.8	85.2	21 700*				18.0
19.0	62.7	84.0	14 600*	66.7	84.8	19 900*				19.0
20.0	60.5	83.4	13 200*	64.6	84.3	17 800*	70.5	85.3	22 200	20.0
21.0	58.3	82.8	11 700*	62.5	83.8	16 100*	68.5	84.9	20 200	21.0
22.0	56.0	82.1	10 400*	60.3	83.2	14 600*	66.4	84.4	18 300	22.0
23.0	53.6	81.4	9 200*	58.1	82.6	13 400*	64.3	83.9	16 600	23.0
24.0	51.2	80.6	8 100*	55.8	81.9	12 200*	62.2	83.4	15 100	24.0
25.0	48.7	79.7	7 000*	53.4	81.2	11 200*	60.0	82.8	13 600	25.0
26.0	46.1	78.7	6 000*	51.0	80.4	10 300*	57.7	82.2	12 300	26.0
27.0	43.4	77.7	5 200*	48.5	79.5	9 100*	55.5	81.5	11 000	27.0
28.0	40.5	76.5	4 400*	45.9	78.5	8 000*	53.1	80.7	9 800	28.0
29.0	37.4	75.2	3 600*	43.1	77.4	7 000*	50.7	79.9	8 700	29.0
30.0	34.1	73.8	3 000*	40.2	76.3	6 000*	48.1	79.0	7 700	30.0
31.0				37.1	75.0	5 200*	45.5	78.0	6 700	31.0
32.0				33.7	73.5	4 400*	42.7	77.0	5 800	32.0
33.0				30.0	71.8	3 400*	39.8	75.8	4 900	33.0
34.0							36.6	74.5	4 100	34.0
35.0							33.2	73.0	3 300	35.0
36.0							29.5	71.2	2 500	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



57.9m (190 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.3	83.4	26 100*										12.2
13.0	71.3	83.1	24 100*										13.0
14.0	68.7	82.7	21 700*										14.0
15.0	66.1	82.3	18 800*										15.0
16.0	63.5	81.8	16 400*	68.8	82.6	22 000*							16.0
17.0	60.8	81.2	14 600*	66.2	82.1	18 900*							17.0
18.0	58.0	80.6	13 000*	63.5	81.6	16 600*							18.0
19.0	55.1	79.9	11 700*	60.8	81.1	14 800*	68.8	82.3	22 300*				19.0
20.0	52.1	79.1	10 600*	58.0	80.5	13 200*	66.2	81.8	19 200*				20.0
21.0	49.0	78.2	9 600*	55.2	79.8	11 900*	63.6	81.3	16 900*				21.0
22.0	45.7	77.3	8 800*	52.2	79.0	10 800*	60.9	80.8	15 000*				22.0
23.0	42.2	76.2	8 000*	49.0	78.1	9 700*	58.1	80.1	13 500*	66.2	81.3	17 200	23.0
24.0	38.4	74.9	7 300*	45.8	77.1	8 900*	55.2	79.4	12 100*	63.6	80.8	15 600	24.0
25.0	34.3	73.5	6 500*	42.3	76.0	8 100*	52.2	78.7	10 900*	60.8	80.3	14 200	25.0
26.0	29.6	71.8	5 500*	38.5	74.8	7 400*	49.1	77.8	9 900*	58.1	79.6	12 800	26.0
27.0	24.1	69.7	4 700*	34.4	73.4	6 800*	45.8	76.8	9 000*	55.2	78.9	11 500	27.0
28.0				29.7	71.7	6 300*	42.3	75.7	8 300*	52.2	78.2	10 400	28.0
29.0				24.2	69.6	5 800*	38.6	74.5	7 600*	49.1	77.3	9 300	29.0
30.0				17.0	66.7	4 800*	34.4	73.1	6 900*	45.8	76.3	8 200	30.0
31.0							29.8	71.4	6 400*	42.3	75.2	7 300	31.0
32.0							24.3	69.3	5 900*	38.5	74.0	6 300	32.0
33.0							17.1	66.4	5 000*	34.4	72.6	5 500	33.0
34.0										29.8	70.9	4 700	34.0
35.0										24.3	68.8	3 900	35.0

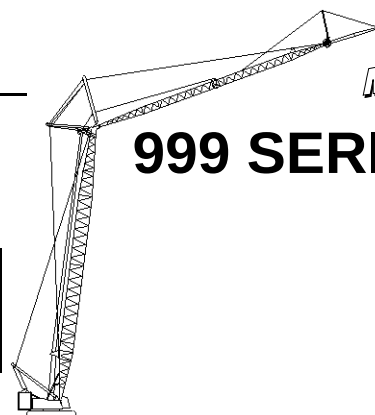


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 3

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



57.9m (190 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	75.2	86.6	25 000*										12.2
13.0	73.4	86.3	24 400*										13.0
14.0	71.2	86.0	23 500*										14.0
15.0	69.0	85.6	21 800*										15.0
16.0	66.7	85.2	19 900*	71.2	85.9	25 300*							16.0
17.0	64.3	84.7	18 100*	69.0	85.5	24 000*							17.0
18.0	62.0	84.1	16 500*	66.7	85.0	21 500*							18.0
19.0	59.5	83.5	14 900*	64.4	84.6	18 900*							19.0
20.0	57.0	82.9	13 400*	62.0	84.0	17 000*	69.0	85.2	23 400				20.0
21.0	54.4	82.2	12 000*	59.6	83.4	15 300*	66.7	84.7	21 400				21.0
22.0	51.8	81.4	10 600*	57.1	82.8	13 800*	64.4	84.2	19 300*				22.0
23.0	49.0	80.5	9 400*	54.5	82.1	12 600*	62.0	83.7	17 200*				23.0
24.0	46.1	79.6	8 200*	51.8	81.3	11 500*	59.6	83.1	15 600*				24.0
25.0	43.0	78.5	7 200*	49.0	80.4	10 500*	57.1	82.5	14 100*	64.4	83.8	14 100	25.0
26.0	39.8	77.3	6 200*	46.1	79.5	9 700*	54.5	81.7	12 900*	62.0	83.2	12 800	26.0
27.0	36.2	76.0	5 300*	43.1	78.4	8 900*	51.9	81.0	11 700*	59.6	82.6	11 500	27.0
28.0	32.4	74.4	4 600*	39.8	77.2	8 000*	49.1	80.1	10 700*	57.1	82.0	10 400	28.0
29.0	28.0	72.6	3 900*	36.3	75.9	6 900*	46.2	79.1	9 900*	54.5	81.3	9 300	29.0
30.0	22.9	70.4	3 000*	32.5	74.3	5 800*	43.1	78.1	9 000*	51.8	80.5	8 300	30.0
31.0				28.1	72.5	4 700*	39.9	76.9	8 000*	49.1	79.6	7 400	31.0
32.0				23.0	70.3	3 600*	36.4	75.6	6 800*	46.2	78.6	6 500	32.0
33.0				16.3	67.3	2 600*	32.5	74.0	5 800*	43.1	77.6	5 600	33.0
34.0							28.2	72.2	4 800*	39.8	76.4	4 800	34.0
35.0							23.1	70.0	3 900*	36.3	75.1	4 100	35.0
36.0							16.4	67.0	3 000*	32.5	73.5	3 400	36.0
37.0										28.2	71.7	2 700	37.0
38.0										23.0	69.5	2 100	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
(all boom lengths)
5 m/s



57.9m (190 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib, 9.1m (30 Ft.) - 24.4m (80 Ft.) Fixed Jib

Int. Fall Oper. Rad. Meters	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Meters
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms		Elev. Meters	Capacity Kilograms	
12.2	73.3	83.4	25 900*										12.2
13.0	71.3	83.1	23 100*										13.0
14.0	68.7	82.7	19 900*										14.0
15.0	66.1	82.3	17 300*										15.0
16.0	63.5	81.8	15 200*	68.8	82.6	20 300*							16.0
17.0	60.8	81.2	13 500*	66.2	82.1	17 500*							17.0
18.0	58.0	80.6	12 100*	63.5	81.6	15 400*							18.0
19.0	55.1	79.9	10 800*	60.8	81.1	13 600*	68.8	82.3	20 600*				19.0
20.0	52.1	79.1	9 800*	58.0	80.5	12 200*	66.2	81.8	17 800*				20.0
21.0	49.0	78.2	8 900*	55.2	79.8	11 000*	63.6	81.3	15 700*				21.0
22.0	45.7	77.3	7 900*	52.2	79.0	9 900*	60.9	80.8	13 900*				22.0
23.0	42.2	76.2	6 900*	49.0	78.1	9 000*	58.1	80.1	12 500*	66.2	81.3	15 300	23.0
24.0	38.4	74.9	5 800*	45.8	77.1	8 200*	55.2	79.4	11 200*	63.6	80.8	13 700	24.0
25.0	34.3	73.5	4 700*	42.3	76.0	7 500*	52.2	78.7	10 100*	60.8	80.3	12 100	25.0
26.0	29.6	71.8	3 700*	38.5	74.8	6 800*	49.1	77.8	9 200*	58.1	79.6	10 800	26.0
27.0	24.1	69.7	2 400*	34.4	73.4	5 700*	45.8	76.8	8 300*	55.2	78.9	9 400	27.0
28.0				29.7	71.7	4 400*	42.3	75.7	7 600*	52.2	78.2	8 200	28.0
29.0							38.6	74.5	6 900*	49.1	77.3	7 100	29.0
30.0							34.4	73.1	5 900*	45.8	76.3	6 000	30.0
31.0							29.8	71.4	4 600*	42.3	75.2	5 000	31.0
32.0							24.3	69.3	3 400*	38.5	74.0	4 000	32.0
33.0										34.4	72.6	3 100	33.0