



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds (all boom lengths)

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

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths and 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 (*). Capacities indicated by (b) require 1 180 kg minimum block weight.

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

Weight of all load blocks, hooks, weight ball, slings, etc., beneath boom and 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. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 13 mm in 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8405-A** and Luffing Jib Raising Procedure chart **No. 9270-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

75 degrees and luffing jib at 55 degrees for luffing jib lengths 21.3m thru 42.7m; position boom at 80 degrees and luffing jib at 60 degrees for luffing jib lengths 45.7m thru 73.2m. Lower boom and luffing jib onto blocking at ground level when wind is above conditions stated in Maximum Parking Wind Speed table.

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

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

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

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. 8366-AM** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8372-AM** for intermediate fall capacities with fixed jib attached.

Fixed jib No. 134 must be removed before use of this chart.

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



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Maximum Parking Wind Speeds

(all boom lengths)

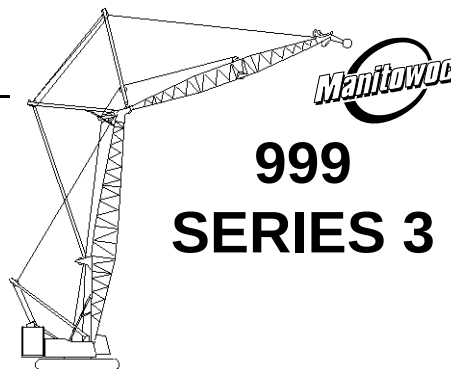
Luffing Jib Lengths	Lower To Ground
21.3m - 42.7m	22 m/s
45.7m - 51.8m	18 m/s
54.9m - 61.0m	16 m/s
64.0m - 67.1m	13 m/s
70.1m - 73.2m	11 m/s

Boom Catwalks Deduct

Deduct 150 kg from capacities when boom catwalks are attached.

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	
10.7	56.2	36.5	16 400*	61.1	37.0	19 200*b													10.7
11.0	54.2	36.2	15 700*	59.2	36.8	18 200*b													11.0
12.0	47.9	35.3	13 400*	53.3	36.1	15 300*													12.0
13.0	40.7	34.2	11 500*	46.8	35.1	12 900*	54.9	36.1	16 100*										13.0
14.0				39.5	33.9	11 300*	48.6	35.2	13 500*	56.5	36.1	16 700*							14.0
15.0				30.5	32.3	9 900*	41.5	34.1	11 700*	50.3	35.3	14 200*							15.0
16.0							33.1	32.7	10 300*	43.5	34.2	12 100*	56.8	35.6	17 100*b				16.0
17.0										35.5	32.9	10 600*	50.7	34.8	14 300*				17.0
18.0										25.1	30.9	9 300*	43.9	33.8	12 300*				18.0
19.0													36.0	32.4	10 700*	50.8	34.1	14 600*	19.0
20.0																44.0	33.1	12 400*	20.0
21.0																36.1	31.8	10 800*	21.0



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Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	64.8	37.5	18 500*															9.1	
10.0	60.1	37.0	15 800*															10.0	
11.0	54.2	36.2	12 900*	59.2	36.8	15 300*	66.2	37.4	20 100*									11.0	
12.0	47.9	35.3	11 000*	53.3	36.1	12 700*	60.7	36.8	16 100*									12.0	
13.0	40.7	34.2	9 500*	46.8	35.1	10 700*	54.9	36.1	13 200*	62.2	36.8	17 200*						13.0	
14.0				39.5	33.9	9 300*	48.6	35.2	11 300*	56.5	36.1	13 900*						14.0	
15.0				30.5	32.3	8 100*	41.5	34.1	9 700*	50.3	35.3	11 700*						15.0	
16.0							33.1	32.7	8 400*	43.5	34.2	10 100*	56.8	35.6	14 300*			16.0	
17.0										35.5	32.9	8 800*	50.7	34.8	11 900*			17.0	
18.0										25.1	30.9	7 600*	43.9	33.8	10 200*			18.0	
19.0													36.0	32.4	8 800*	50.8	34.1	12 100*	
20.0																44.0	33.1	10 300*	
21.0																36.1	31.8	8 900*	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	64.8	37.5	16 500*																9.1
10.0	60.1	37.0	14 000*																10.0
11.0	54.2	36.2	11 400*	59.2	36.8	13 500*	66.2	37.4	17 800*										11.0
12.0	47.9	35.3	9 600*	53.3	36.1	11 200*	60.7	36.8	14 200*										12.0
13.0	40.7	34.2	8 300*	46.8	35.1	9 400*	54.9	36.1	11 600*	62.2	36.8	15 200*							13.0
14.0				39.5	33.9	8 100*	48.6	35.2	9 900*	56.5	36.1	12 200*							14.0
15.0				30.5	32.3	7 000*	41.5	34.1	8 400*	50.3	35.3	10 300*							15.0
16.0							33.1	32.7	7 300*	43.5	34.2	8 800*	56.8	35.6	12 600*				16.0
17.0										35.5	32.9	7 600*	50.7	34.8	10 400*				17.0
18.0										25.1	30.9	6 600*	43.9	33.8	8 900*				18.0
19.0													36.0	32.4	7 700*	50.8	34.1	10 600*	19.0
20.0																44.0	33.1	8 900*	20.0
21.0																36.1	31.8	7 700*	21.0



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(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	70.2	40.8	23 700*															9.1	
10.0	66.7	40.5	20 200*															10.0	
11.0	62.4	39.9	16 500*	66.0	40.3	19 500*												11.0	
12.0	57.9	39.3	14 000*	61.7	39.8	16 200*												12.0	
13.0	53.2	38.5	12 100*	57.2	39.1	13 700*	62.9	39.8	17 100*									13.0	
14.0	48.1	37.7	10 600*	52.4	38.4	11 800*	58.4	39.1	14 300*	64.0	39.7	17 800*						14.0	
15.0	42.5	36.6	9 300*	47.3	37.4	10 400*	53.7	38.4	12 300*	59.6	39.1	15 000*						15.0	
16.0	36.2	35.2	8 200*	41.6	36.3	9 100*	48.7	37.5	10 700*	55.0	38.4	12 800*						16.0	
17.0				35.2	34.9	8 100*	43.2	36.5	9 500*	50.0	37.6	11 100*	59.9	38.6	15 200*			17.0	
18.0				27.3	33.1	7 200*	37.0	35.2	8 400*	44.7	36.5	9 800*	55.3	37.9	13 100*			18.0	
19.0							29.6	33.5	7 500*	38.7	35.3	8 600*	50.4	37.1	11 300*			19.0	
20.0										31.7	33.8	7 700*	45.0	36.1	9 900*	55.3	37.2	13 100*	20.0
21.0										22.6	31.6	6 800*	39.1	34.9	8 700*	50.4	36.4	11 400*	21.0
22.0													32.2	33.4	7 700*	45.1	35.4	9 900*	22.0
23.0																39.2	34.2	8 800*	23.0
24.0																32.3	32.7	7 800*	24.0

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall				
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m
7.6	72.7	38.2	22 800*b															7.6			
8.0	70.8	38.0	21 000*b															8.0			
9.0	65.6	37.6	16 100*															9.0			
10.0	60.1	37.0	12 700*															10.0			
11.0	54.2	36.2	10 700*															11.0			
12.0	47.9	35.3	9 100*	53.3	36.1	10 400*	60.7	36.8	13 400*	62.2	36.8	14 200*						12.0			
13.0	40.7	34.2	7 900*	46.8	35.1	8 900*	54.9	36.1	10 900*									56.5	36.1	11 500*	13.0
14.0				39.5	33.9	7 700*	48.6	35.2	9 300*									50.3	35.3	9 700*	14.0
15.0				30.5	32.3	6 700*	41.5	34.1	8 000*									43.5	34.2	8 300*	15.0
16.0							33.1	32.7	7 000*									43.5	34.2	8 300*	56.8
17.0										35.5	32.9	7 200*	50.7	34.8	9 800*			17.0			
18.0										25.1	30.9	6 300*	43.9	33.8	8 400*			18.0			
19.0													36.0	32.4	7 300*	50.8	34.1	10 000*	19.0		
20.0																44.0	33.1	8 500*	20.0		
21.0																36.1	31.8	7 300*	21.0		



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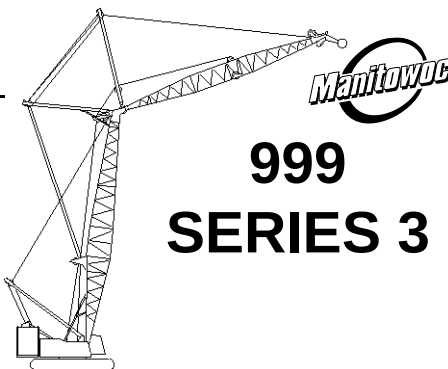
**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	70.2	40.8	21 400*	73.7	41.1	26 300*												9.1	
10.0	66.7	40.5	18 200*	70.2	40.8	21 900*												10.0	
11.0	62.4	39.9	14 800*	66.0	40.3	17 200*												11.0	
12.0	57.9	39.3	12 600*	61.7	39.8	14 400*												12.0	
13.0	53.2	38.5	10 800*	57.2	39.1	12 300*	62.9	39.8	15 400*									13.0	
14.0	48.1	37.7	9 500*	52.4	38.4	10 700*	58.4	39.1	12 800*	64.0	39.7	16 100*						14.0	
15.0	42.5	36.6	8 300*	47.3	37.4	9 300*	53.7	38.4	11 000*	59.6	39.1	13 500*						15.0	
16.0	36.2	35.2	7 400*	41.6	36.3	8 200*	48.7	37.5	9 600*	55.0	38.4	11 500*						16.0	
17.0				35.2	34.9	7 300*	43.2	36.5	8 500*	50.0	37.6	10 000*	59.9	38.6	13 700*			17.0	
18.0				27.3	33.1	6 500*	37.0	35.2	7 500*	44.7	36.5	8 800*	55.3	37.9	11 800*			18.0	
19.0							29.6	33.5	6 700*	38.7	35.3	7 700*	50.4	37.1	10 100*			19.0	
20.0										31.7	33.8	6 900*	45.0	36.1	8 900*	55.3	37.2	11 700*	
21.0										22.6	31.6	6 100*	39.1	34.9	7 800*	50.4	36.4	10 200*	
22.0													32.2	33.4	6 900*	45.1	35.4	8 900*	
23.0																39.2	34.2	7 900*	
24.0																32.3	32.7	7 000*	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	73.7	44.1	26 400*															9.1	
10.0	70.8	43.8	22 800*															10.0	
11.0	67.4	43.4	18 800*	70.3	43.7	22 200*												11.0	
12.0	63.9	42.9	15 900*	66.9	43.2	18 500*												12.0	
13.0	60.2	42.3	13 700*	63.3	42.7	15 600*	67.8	43.2	19 500*									13.0	
14.0	56.4	41.6	12 000*	59.7	42.1	13 500*	64.3	42.7	16 300*									14.0	
15.0	52.5	40.8	10 600*	55.9	41.4	11 900*	60.7	42.1	14 000*									15.0	
16.0	48.3	40.0	9 400*	51.8	40.6	10 500*	56.9	41.5	12 300*	61.6	42.1	14 800*						16.0	
17.0	43.7	38.9	8 400*	47.6	39.7	9 300*	52.9	40.7	10 800*	57.9	41.4	12 700*						17.0	
18.0	38.7	37.7	7 600*	43.0	38.7	8 300*	48.8	39.8	9 600*	54.0	40.7	11 200*						18.0	
19.0	33.1	36.2	6 900*	37.9	37.4	7 500*	44.3	38.8	8 600*	49.9	39.9	9 900*	58.1	40.9	13 000*			19.0	
20.0				32.1	35.9	6 800*	39.3	37.6	7 700*	45.4	38.9	8 900*	54.2	40.2	11 300*			20.0	
21.0				25.1	33.9	6 100*	33.8	36.2	6 900*	40.6	37.7	7 900*	50.1	39.4	10 000*			21.0	
22.0							27.1	34.3	6 300*	35.3	36.3	7 100*	45.7	38.4	8 900*	54.3	39.5	22.0	
23.0										29.0	34.6	6 500*	41.0	37.3	8 000*	50.2	38.7	23.0	
24.0										20.9	32.2	5 800*	35.6	35.9	7 200*	45.8	37.7	24.0	
25.0													29.4	34.2	6 600*	41.0	36.6	25.0	
26.0																35.7	35.2	26.0	
27.0																29.5	33.5	27.0	



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Luffing Jib No. 149 On

Boom No. 82

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36 290 kg Carbody Counterweight

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Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	71.8	46.8	25 900*															10.7	
11.0	70.8	46.7	24 700*															11.0	
12.0	67.9	46.2	20 900*															12.0	
13.0	64.9	45.8	17 900*	67.5	46.1	20 600*												13.0	
14.0	61.8	45.2	15 800*	64.5	45.6	17 700*	68.2	46.1	21 400*									14.0	
15.0	58.7	44.6	13 900*	61.4	45.1	15 500*	65.3	45.6	18 500*									15.0	
16.0	55.4	43.9	12 400*	58.2	44.5	13 700*	62.2	45.1	16 100*									16.0	
17.0	52.0	43.1	11 100*	54.9	43.7	12 300*	59.1	44.5	14 200*	63.0	45.0	16 700*						17.0	
18.0	48.4	42.3	10 000*	51.4	42.9	11 000*	55.8	43.8	12 600*	59.9	44.4	14 800*						18.0	
19.0	44.5	41.2	9 100*	47.8	42.0	9 900*	52.4	43.0	11 300*	56.6	43.7	13 000*						19.0	
20.0	40.4	40.1	8 300*	43.9	41.0	9 000*	48.8	42.1	10 200*	53.3	43.0	11 700*	60.1	43.9	14 900*			20.0	
21.0	35.8	38.7	7 500*	39.7	39.8	8 200*	45.0	41.1	9 300*	49.7	42.2	10 500*	56.8	43.3	13 200*			21.0	
22.0	30.7	37.1	6 900*	35.1	38.4	7 500*	40.9	40.0	8 400*	46.0	41.2	9 500*	53.5	42.5	11 800*			22.0	
23.0				29.8	36.7	6 800*	36.4	38.7	7 700*	42.0	40.1	8 600*	50.0	41.7	10 600*	56.9	42.6	13 300*	
24.0				23.4	34.6	6 200*	31.3	37.1	7 000*	37.6	38.8	7 900*	46.2	40.7	9 600*	53.5	41.8	11 900*	
25.0							25.3	35.1	6 400*	32.7	37.3	7 200*	42.2	39.6	8 700*	50.0	41.0	10 700*	
26.0										26.9	35.4	6 600*	37.9	38.4	8 000*	46.3	40.0	9 700*	
27.0										19.6	32.9	6 000*	33.0	36.9	7 300*	42.3	39.0	8 800*	
28.0													27.3	35.0	6 600*	37.9	37.7	8 000*	
29.0																33.1	36.2	7 300*	
30.0																27.4	34.4	6 700*	



999 SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.2	50.0	26 300*																10.7
11.0	73.3	49.9	25 900*																11.0
12.0	70.8	49.5	24 600*																12.0
13.0	68.3	49.1	22 300*	70.4	49.4	24 200*													13.0
14.0	65.7	48.7	19 200*	67.9	49.0	21 500*													14.0
15.0	63.0	48.2	17 000*	65.3	48.5	18 900*													15.0
16.0	60.3	47.6	15 200*	62.6	48.0	16 700*	66.0	48.5	19 600*										16.0
17.0	57.5	46.9	13 700*	59.9	47.4	15 000*	63.3	48.0	17 300*	66.7	48.4	20 200*							17.0
18.0	54.6	46.2	12 400*	57.1	46.8	13 500*	60.6	47.4	15 500*	64.0	47.9	17 900*							18.0
19.0	51.6	45.4	11 300*	54.2	46.1	12 300*	57.8	46.8	13 900*	61.3	47.4	15 900*							19.0
20.0	48.4	44.6	10 300*	51.1	45.2	11 100*	54.9	46.1	12 600*	58.6	46.7	14 400*							20.0
21.0	45.1	43.6	9 400*	48.0	44.3	10 200*	52.0	45.3	11 400*	55.7	46.1	13 000*							21.0
22.0	41.6	42.4	8 700*	44.6	43.3	9 300*	48.8	44.4	10 500*	52.7	45.3	11 800*	58.7	46.3	14 600*				22.0
23.0	37.8	41.2	8 000*	41.0	42.2	8 600*	45.5	43.5	9 600*	49.6	44.4	10 700*	55.9	45.6	13 100*				23.0
24.0	33.5	39.7	7 300*	37.1	40.9	7 900*	42.0	42.4	8 800*	46.4	43.5	9 800*	52.9	44.8	11 900*				24.0
25.0	28.8	37.9	6 800*	32.9	39.4	7 300*	38.2	41.1	8 100*	42.9	42.4	9 000*	49.8	44.0	10 900*	55.9	44.9	13 200*	25.0
26.0				28.0	37.6	6 700*	34.1	39.7	7 500*	39.2	41.2	8 300*	46.6	43.0	9 900*	53.0	44.1	12 000*	26.0
27.0				22.1	35.3	6 200*	29.4	37.9	6 900*	35.2	39.8	7 700*	43.2	42.0	9 100*	49.9	43.3	10 900*	27.0
28.0							23.8	35.8	6 400*	30.6	38.2	7 100*	39.5	40.8	8 400*	46.6	42.4	10 000*	28.0
29.0										25.3	36.2	6 500*	35.4	39.4	7 700*	43.2	41.3	9 200*	29.0
30.0										18.6	33.5	6 000*	30.9	37.8	7 100*	39.5	40.1	8 400*	30.0
31.0													25.7	35.8	6 600*	35.5	38.7	7 800*	31.0
32.0													19.1	33.2	6 100*	31.0	37.1	7 200*	32.0
33.0																25.8	35.1	6 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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	25 700*															13.0	
14.0	68.6	52.0	24 700*	70.5	52.3	25 800*												14.0	
15.0	66.3	51.6	22 100*	68.2	51.9	23 900*												15.0	
16.0	63.9	51.1	19 600*	65.9	51.4	21 700*	68.8	51.8	24 600*									16.0	
17.0	61.5	50.5	17 700*	63.6	50.9	19 300*	66.5	51.4	22 300*									17.0	
18.0	59.1	49.9	16 000*	61.2	50.4	17 400*	64.2	50.9	20 000*									18.0	
19.0	56.6	49.3	14 600*	58.7	49.8	15 800*	61.8	50.4	18 000*	64.8	50.8	20 600*						19.0	
20.0	54.0	48.5	13 400*	56.2	49.1	14 500*	59.4	49.8	16 300*	62.4	50.3	18 500*						20.0	
21.0	51.3	47.7	12 300*	53.6	48.4	13 300*	56.9	49.1	14 900*	60.0	49.7	16 800*						21.0	
22.0	48.5	46.9	11 300*	50.9	47.5	12 200*	54.3	48.4	13 600*	57.5	49.1	15 300*						22.0	
23.0	45.6	45.9	10 400*	48.1	46.6	11 200*	51.6	47.6	12 500*	55.0	48.4	14 000*	60.2	49.2	16 900*			23.0	
24.0	42.5	44.8	9 700*	45.1	45.7	10 400*	48.8	46.7	11 500*	52.3	47.6	12 800*	57.7	48.6	15 500*			24.0	
25.0	39.2	43.6	9 000*	42.0	44.6	9 600*	45.9	45.8	10 700*	49.6	46.7	11 800*	55.1	47.9	14 100*			25.0	
26.0	35.6	42.2	8 300*	38.7	43.3	8 900*	42.8	44.7	9 900*	46.7	45.8	10 900*	52.5	47.1	13 000*	57.7	47.9	15 500*	26.0
27.0	31.7	40.6	7 700*	35.0	41.9	8 300*	39.6	43.5	9 100*	43.7	44.8	10 100*	49.7	46.3	12 000*	55.2	47.2	14 200*	27.0
28.0	27.2	38.8	7 200*	31.1	40.3	7 700*	36.0	42.2	8 500*	40.4	43.6	9 400*	46.9	45.4	11 000*	52.5	46.4	13 100*	28.0
29.0				26.5	38.4	7 100*	32.2	40.6	7 900*	37.0	42.3	8 700*	43.9	44.3	10 200*	49.8	45.6	12 000*	29.0
30.0				21.0	35.9	6 700*	27.8	38.8	7 300*	33.2	40.8	8 100*	40.7	43.2	9 500*	46.9	44.7	11 100*	30.0
31.0							22.6	36.5	6 800*	29.0	39.0	7 500*	37.2	41.9	8 800*	43.9	43.6	10 300*	31.0
32.0							15.7	33.4	6 300*	24.0	36.9	7 000*	33.5	40.4	8 200*	40.7	42.5	9 500*	32.0
33.0										17.8	34.1	6 500*	29.3	38.6	7 600*	37.2	41.2	8 800*	33.0
34.0													24.4	36.5	7 100*	33.5	39.7	8 200*	34.0
35.0													18.2	33.8	6 600*	29.3	38.0	7 700*	35.0
36.0																24.4	35.9	7 100*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

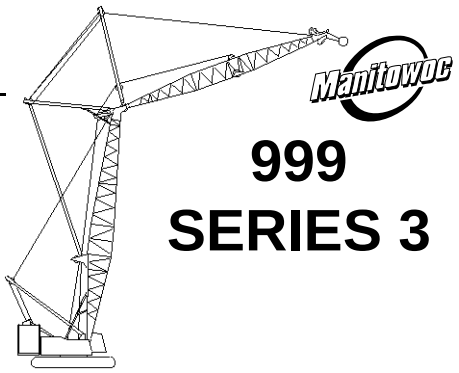
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	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*		46.3	13 500*				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*	55.9	45.6	12 100*				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*	52.9	44.8	11 000*				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*	49.8	44.0	10 000*	55.9	44.9	12 200*	25.0
26.0				28.0	37.6	6 200*	34.1	39.7	6 900*	39.2	41.2	7 600*	46.6	43.0	9 200*	53.0	44.1	11 100*	26.0
27.0				22.1	35.3	5 700*	29.4	37.9	6 300*	35.2	39.8	7 000*	43.2	42.0	8 400*	49.9	43.3	10 100*	27.0
28.0							23.8	35.8	5 800*	30.6	38.2	6 500*	39.5	40.8	7 700*	46.6	42.4	9 200*	28.0
29.0										25.3	36.2	6 000*	35.4	39.4	7 100*	43.2	41.3	8 500*	29.0
30.0										18.6	33.5	5 600*	30.9	37.8	6 600*	39.5	40.1	7 800*	30.0
31.0													25.7	35.8	6 100*	35.5	38.7	7 200*	31.0
32.0													19.1	33.2	5 600*	31.0	37.1	6 600*	32.0
33.0																25.8	35.1	6 100*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

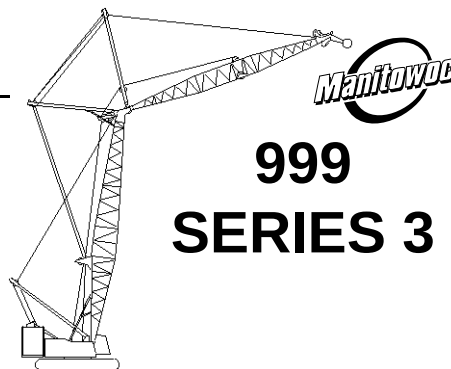
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	60.2	49.2	15 500*				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*	57.7	48.6	14 200*				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*	55.1	47.9	12 900*				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*	52.5	47.1	11 900*	57.7	47.9	14 200*	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*	49.7	46.3	10 900*	55.2	47.2	13 000*	27.0
28.0	27.2	38.8	6 500*	31.1	40.3	7 000*	36.0	42.2	7 700*	40.4	43.6	8 500*	46.9	45.4	10 100*	52.5	46.4	11 900*	28.0
29.0				26.5	38.4	6 500*	32.2	40.6	7 200*	37.0	42.3	7 900*	43.9	44.3	9 300*	49.8	45.6	11 000*	29.0
30.0				21.0	35.9	6 100*	27.8	38.8	6 700*	33.2	40.8	7 400*	40.7	43.2	8 600*	46.9	44.7	10 100*	30.0
31.0							22.6	36.5	6 200*	29.0	39.0	6 800*	37.2	41.9	8 000*	43.9	43.6	9 400*	31.0
32.0							15.7	33.4	5 800*	24.0	36.9	6 300*	33.5	40.4	7 400*	40.7	42.5	8 700*	32.0
33.0										17.8	34.1	5 900*	29.3	38.6	6 900*	37.2	41.2	8 100*	33.0
34.0													24.4	36.5	6 400*	33.5	39.7	7 500*	34.0
35.0													18.2	33.8	6 000*	29.3	38.0	7 000*	35.0
36.0																24.4	35.9	6 500*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

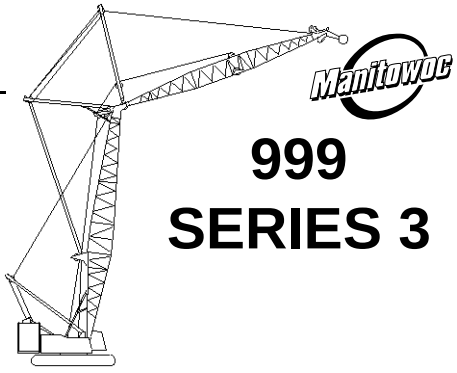
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	58.7	46.3	12 500*				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*	55.9	45.6	11 200*				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*	52.9	44.8	10 200*				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*	49.8	44.0	9 300*	55.9	44.9	11 300*	25.0
26.0				28.0	37.6	5 700*	34.1	39.7	6 300*	39.2	41.2	7 100*	46.6	43.0	8 500*	53.0	44.1	10 200*	26.0
27.0				22.1	35.3	5 200*	29.4	37.9	5 800*	35.2	39.8	6 500*	43.2	42.0	7 800*	49.9	43.3	9 300*	27.0
28.0							23.8	35.8	5 400*	30.6	38.2	6 000*	39.5	40.8	7 100*	46.6	42.4	8 500*	28.0
29.0												25.3	36.2	5 600*	35.4	39.4	6 600*	43.2	41.3
30.0										18.6	33.5	5 100*	30.9	37.8	6 100*	39.5	40.1	7 200*	30.0
31.0													25.7	35.8	5 600*	35.5	38.7	6 600*	31.0
32.0													19.1	33.2	5 200*	31.0	37.1	6 100*	32.0
33.0																25.8	35.1	5 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

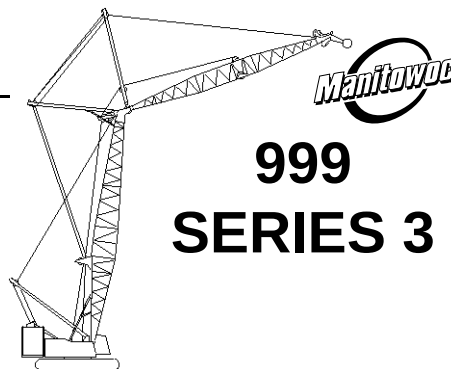
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	60.2	49.2	14 300*			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*	57.7	48.6	13 000*			24.0	
25.0	39.2	43.6	7 500*	42.0	44.6	8 000*	45.9	45.8	8 900*	49.6	46.7	9 900*	55.1	47.9	11 900*			25.0	
26.0	35.6	42.2	6 900*	38.7	43.3	7 400*	42.8	44.7	8 200*	46.7	45.8	9 100*	52.5	47.1	10 900*	57.7	47.9	13 100*	26.0
27.0	31.7	40.6	6 400*	35.0	41.9	6 900*	39.6	43.5	7 600*	43.7	44.8	8 400*	49.7	46.3	10 100*	55.2	47.2	12 000*	27.0
28.0	27.2	38.8	6 000*	31.1	40.3	6 400*	36.0	42.2	7 100*	40.4	43.6	7 800*	46.9	45.4	9 300*	52.5	46.4	11 000*	28.0
29.0				26.5	38.4	6 000*	32.2	40.6	6 600*	37.0	42.3	7 300*	43.9	44.3	8 600*	49.8	45.6	10 100*	29.0
30.0				21.0	35.9	5 500*	27.8	38.8	6 100*	33.2	40.8	6 800*	40.7	43.2	7 900*	46.9	44.7	9 300*	30.0
31.0							22.6	36.5	5 700*	29.0	39.0	6 300*	37.2	41.9	7 400*	43.9	43.6	8 600*	31.0
32.0							15.7	33.4	5 300*	24.0	36.9	5 800*	33.5	40.4	6 800*	40.7	42.5	8 000*	32.0
33.0										17.8	34.1	5 400*	29.3	38.6	6 400*	37.2	41.2	7 400*	33.0
34.0													24.4	36.5	5 900*	33.5	39.7	6 900*	34.0
35.0													18.2	33.8	5 500*	29.3	38.0	6 400*	35.0
36.0																24.4	35.9	6 000*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	9 000*	48.2	49.0	9 600*	51.4	49.9	10 600*	54.4	50.7	11 800*	59.1	51.6	14 100*			25.0	
26.0	43.2	47.1	8 300*	45.5	48.0	8 900*	48.9	49.0	9 900*	52.0	49.9	10 900*	56.9	50.9	12 900*			26.0	
27.0	40.3	46.0	7 800*	42.8	46.9	8 300*	46.2	48.1	9 100*	49.5	49.0	10 100*	54.5	50.2	11 900*			27.0	
28.0	37.2	44.7	7 200*	39.8	45.7	7 700*	43.5	47.0	8 500*	46.9	48.1	9 400*	52.1	49.4	11 000*			28.0	
29.0	33.8	43.2	6 700*	36.7	44.4	7 200*	40.6	45.9	7 900*	44.2	47.1	8 700*	49.7	48.6	10 200*	54.6	49.5	12 000*	
30.0	30.1	41.5	6 300*	33.3	42.9	6 700*	37.6	44.6	7 400*	41.4	46.0	8 100*	47.1	47.7	9 500*	52.2	48.7	11 100*	
31.0	26.0	39.5	5 900*	29.5	41.2	6 300*	34.2	43.1	6 900*	38.4	44.7	7 600*	44.4	46.6	8 800*	49.7	47.9	10 300*	
32.0	21.0	37.1	5 500*	25.3	39.1	5 800*	30.6	41.5	6 400*	35.1	43.3	7 100*	41.6	45.5	8 300*	47.1	47.0	9 600*	
33.0				20.1	36.6	5 500*	26.5	39.6	6 000*	31.6	41.7	6 600*	38.6	44.3	7 700*	44.4	46.0	8 900*	
34.0							21.6	37.2	5 600*	27.6	39.9	6 200*	35.3	42.9	7 100*	41.6	44.8	8 300*	
35.0							15.2	33.9	5 300*	23.0	37.6	5 800*	31.8	41.3	6 700*	38.6	43.6	7 800*	
36.0										17.1	34.7	5 200*	27.9	39.5	6 300*	35.4	42.2	7 300*	
37.0													23.3	37.3	5 900*	31.8	40.6	6 800*	
38.0													17.5	34.4	5 500*	27.9	38.8	6 300*	
39.0																23.3	36.6	5 900*	



Liftcrane Luffing Jib Intermediate Fall Capacities

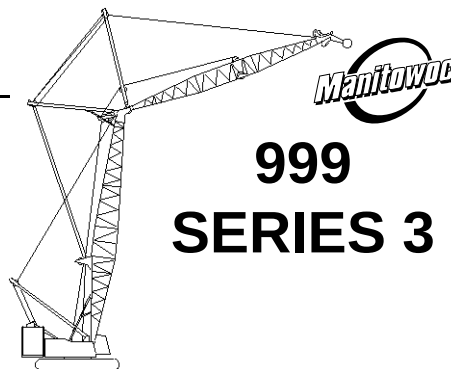
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.9	59.1	26 300*															12.2	
13.0	74.4	58.8	24 800*															13.0	
14.0	72.6	58.5	22 900*															14.0	
15.0	70.8	58.2	20 700*															15.0	
16.0	69.0	57.8	18 700*	70.6	58.1	20 400*												16.0	
17.0	67.1	57.4	17 100*	68.7	57.7	18 500*												17.0	
18.0	65.2	56.9	15 700*	66.8	57.2	16 900*												18.0	
19.0	63.3	56.4	14 400*	64.9	56.8	15 500*	67.3	57.2	17 400*									19.0	
20.0	61.4	55.8	13 300*	63.0	56.2	14 200*	65.5	56.7	15 800*									20.0	
21.0	59.4	55.2	12 300*	61.1	55.7	13 200*	63.5	56.2	14 600*									21.0	
22.0	57.3	54.6	11 400*	59.1	55.1	12 200*	61.6	55.7	13 500*	64.0	56.1	14 900*						22.0	
23.0	55.2	53.9	10 600*	57.0	54.4	11 300*	59.6	55.1	12 500*	62.1	55.6	13 700*						23.0	
24.0	53.1	53.2	9 800*	54.9	53.7	10 500*	57.6	54.5	11 600*	60.1	55.0	12 700*						24.0	
25.0	50.9	52.3	9 100*	52.8	53.0	9 700*	55.5	53.8	10 700*	58.1	54.4	11 800*						25.0	
26.0	48.6	51.5	8 400*	50.5	52.1	9 000*	53.3	53.0	10 000*	56.0	53.7	10 900*	60.2	54.5	12 700*			26.0	
27.0	46.2	50.5	7 700*	48.2	51.3	8 300*	51.1	52.2	9 300*	53.9	53.0	10 200*	58.2	53.9	11 800*			27.0	
28.0	43.7	49.5	7 200*	45.9	50.3	7 700*	48.9	51.3	8 600*	51.7	52.2	9 500*	56.2	53.2	11 000*			28.0	
29.0	41.2	48.3	6 600*	43.4	49.2	7 100*	46.5	50.4	7 900*	49.5	51.3	8 800*	54.0	52.5	10 200*			29.0	
30.0	38.4	47.1	6 100*	40.7	48.1	6 600*	44.0	49.4	7 300*	47.1	50.4	8 200*	51.9	51.7	9 500*			30.0	
31.0	35.5	45.7	5 700*	38.0	46.8	6 100*	41.5	48.2	6 800*	44.7	49.4	7 500*	49.6	50.9	8 900*	54.1	51.8	10 200*	31.0
32.0	32.3	44.1	5 300*	35.0	45.4	5 700*	38.7	47.0	6 300*	42.1	48.3	7 000*	47.3	50.0	8 300*	51.9	51.0	9 500*	32.0
33.0	28.8	42.4	4 900*	31.8	43.8	5 200*	35.8	45.6	5 800*	39.5	47.1	6 500*	44.8	49.0	7 700*	49.6	50.2	8 900*	33.0
34.0	24.9	40.3	4 500*	28.3	42.0	4 900*	32.7	44.1	5 400*	36.6	45.8	6 000*	42.3	47.9	7 100*	47.3	49.3	8 300*	34.0
35.0	20.2	37.7	4 200*	24.2	39.9	4 500*	29.3	42.4	5 000*	33.5	44.3	5 600*	39.6	46.7	6 600*	44.9	48.3	7 700*	35.0
36.0				19.4	37.2	3 800*	25.4	40.3	4 600*	30.2	42.6	5 200*	36.8	45.3	6 100*	42.3	47.2	7 200*	36.0
37.0							20.8	37.8	4 200*	26.4	40.7	4 800*	33.7	43.9	5 700*	39.7	46.0	6 700*	37.0
38.0							14.8	34.5	3 300*	22.1	38.3	4 400*	30.4	42.2	5 300*	36.8	44.7	6 200*	38.0
39.0										16.6	35.3	3 600*	26.7	40.3	4 900*	33.8	43.2	5 800*	39.0
40.0													22.4	38.0	4 500*	30.4	41.5	5 300*	40.0
42.0																22.4	37.3	4 400*	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.6	61.8	25 600*															13.7	
14.0	74.1	61.7	24 900*															14.0	
15.0	72.5	61.4	22 600*															15.0	
16.0	70.8	61.1	20 600*	72.2	61.3	22 300*												16.0	
17.0	69.1	60.7	18 900*	70.6	60.9	20 300*												17.0	
18.0	67.4	60.3	17 400*	68.9	60.5	18 700*												18.0	
19.0	65.7	59.8	16 100*	67.2	60.1	17 200*	69.3	60.5	19 200*									19.0	
20.0	64.0	59.3	14 900*	65.5	59.7	15 900*	67.6	60.1	17 600*									20.0	
21.0	62.2	58.8	13 800*	63.7	59.2	14 700*	65.9	59.6	16 200*									21.0	
22.0	60.4	58.2	12 900*	61.9	58.6	13 700*	64.2	59.1	15 000*	66.4	59.5	16 600*						22.0	
23.0	58.5	57.6	12 000*	60.1	58.0	12 800*	62.4	58.6	14 000*	64.6	59.0	15 300*						23.0	
24.0	56.7	56.9	11 300*	58.3	57.4	11 900*	60.6	58.0	13 000*	62.9	58.5	14 300*						24.0	
25.0	54.7	56.2	10 500*	56.4	56.8	11 100*	58.8	57.4	12 200*	61.1	58.0	13 300*						25.0	
26.0	52.8	55.5	9 900*	54.4	56.0	10 500*	56.9	56.8	11 400*	59.2	57.4	12 400*						26.0	
27.0	50.7	54.6	9 300*	52.4	55.3	9 800*	55.0	56.1	10 600*	57.4	56.7	11 600*						27.0	
28.0	48.6	53.8	8 700*	50.4	54.4	9 200*	53.0	55.3	10 000*	55.5	56.0	10 800*	59.3	56.9	12 400*			28.0	
29.0	46.5	52.8	8 000*	48.3	53.6	8 600*	51.0	54.5	9 400*	53.5	55.3	10 200*	57.5	56.3	11 600*			29.0	
30.0	44.2	51.8	7 500*	46.1	52.6	8 000*	48.9	53.6	8 800*	51.5	54.5	9 500*	55.6	55.6	10 900*			30.0	
31.0	41.9	50.7	7 000*	43.9	51.6	7 500*	46.7	52.7	8 300*	49.4	53.6	9 000*	53.6	54.8	10 200*			31.0	
32.0	39.4	49.5	6 500*	41.5	50.4	7 000*	44.5	51.7	7 700*	47.3	52.7	8 400*	51.6	54.0	9 600*	55.6	54.9	10 900*	32.0
33.0	36.8	48.1	6 100*	39.0	49.2	6 500*	42.1	50.6	7 200*	45.1	51.7	7 900*	49.6	53.2	9 000*	53.6	54.1	10 200*	33.0
34.0	34.0	46.7	5 600*	36.4	47.9	6 100*	39.7	49.4	6 700*	42.8	50.7	7 400*	47.4	52.3	8 500*	51.6	53.3	9 600*	34.0
35.0	31.0	45.1	4 800*	33.6	46.4	5 500*	37.1	48.1	6 300*	40.3	49.5	6 900*	45.2	51.3	8 000*	49.6	52.5	9 000*	35.0
36.0	27.7	43.2	4 100*	30.5	44.7	4 800*	34.3	46.6	5 700*	37.8	48.2	6 500*	42.9	50.2	7 500*	47.4	51.6	8 500*	36.0
37.0	23.9	41.0	3 400*	27.2	42.8	3 900*	31.4	45.0	4 900*	35.1	46.8	5 900*	40.5	49.0	7 100*	45.2	50.6	8 000*	37.0
38.0	19.5	38.4	2 700*	23.3	40.6	3 200*	28.1	43.2	4 200*	32.2	45.2	5 100*	38.0	47.8	6 600*	42.9	49.5	7 500*	38.0
39.0							24.4	41.1	3 400*	29.0	43.5	4 300*	35.3	46.4	5 900*	40.5	48.4	7 100*	39.0
40.0										25.4	41.4	3 600*	32.4	44.8	5 100*	38.0	47.1	6 600*	40.0
42.0													25.7	41.1	3 600*	32.4	44.1	5 200*	42.0
44.0													16.5	35.6	2 200*	25.7	40.4	3 600*	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.8	65.0	24 800*															13.7	
14.0	75.4	64.9	24 100*															14.0	
15.0	73.9	64.6	21 900*															15.0	
16.0	72.4	64.3	19 900*															16.0	
17.0	70.8	63.9	18 200*	72.1	64.2	19 700*												17.0	
18.0	69.3	63.6	16 700*	70.6	63.8	18 000*												18.0	
19.0	67.7	63.1	15 400*	69.0	63.4	16 500*												19.0	
20.0	66.1	62.7	14 200*	67.5	63.0	15 200*	69.5	63.4	16 900*									20.0	
21.0	64.5	62.2	13 200*	65.9	62.6	14 100*	67.9	63.0	15 600*									21.0	
22.0	62.9	61.7	12 200*	64.3	62.1	13 000*	66.3	62.5	14 400*									22.0	
23.0	61.2	61.1	11 400*	62.6	61.5	12 100*	64.7	62.0	13 300*	66.7	62.4	14 700*						23.0	
24.0	59.5	60.6	10 600*	61.0	61.0	11 200*	63.1	61.5	12 400*	65.1	61.9	13 600*						24.0	
25.0	57.8	59.9	9 900*	59.3	60.4	10 500*	61.4	61.0	11 500*	63.5	61.4	12 600*						25.0	
26.0	56.1	59.3	9 200*	57.6	59.8	9 700*	59.7	60.4	10 700*	61.9	60.9	11 700*						26.0	
27.0	54.3	58.5	8 600*	55.8	59.1	9 100*	58.0	59.8	9 900*	60.2	60.3	10 900*						27.0	
28.0	52.5	57.8	8 000*	54.0	58.4	8 500*	56.3	59.1	9 300*	58.5	59.7	10 100*	62.0	60.4	11 700*			28.0	
29.0	50.6	56.9	7 500*	52.2	57.6	7 900*	54.5	58.4	8 700*	56.7	59.1	9 400*	60.3	59.9	10 900*			29.0	
30.0	48.7	56.1	7 000*	50.3	56.7	7 400*	52.7	57.6	8 100*	55.0	58.4	8 800*	58.6	59.2	10 200*			30.0	
31.0	46.7	55.1	6 500*	48.4	55.9	6 900*	50.8	56.8	7 600*	53.2	57.6	8 200*	56.9	58.6	9 500*			31.0	
32.0	44.6	54.1	6 100*	46.4	54.9	6 500*	48.9	55.9	7 100*	51.3	56.8	7 700*	55.1	57.9	8 800*			32.0	
33.0	42.5	53.0	5 700*	44.3	53.9	6 100*	46.9	55.0	6 600*	49.4	55.9	7 200*	53.3	57.1	8 300*			33.0	
34.0	40.2	51.8	5 300*	42.1	52.8	5 700*	44.8	54.0	6 200*	47.4	55.0	6 700*	51.4	56.3	7 700*	55.1	57.2	8 900*	
35.0	37.9	50.6	5 000*	39.9	51.6	5 300*	42.7	52.9	5 800*	45.4	54.0	6 300*	49.5	55.5	7 200*	53.3	56.4	8 300*	
36.0	35.4	49.2	4 300*	37.5	50.3	4 800*	40.5	51.8	5 400*	43.3	53.0	5 900*	47.5	54.6	6 800*	51.4	55.6	7 700*	
37.0	32.7	47.6	3 600*	35.0	48.9	4 300*	38.2	50.5	5 000*	41.1	51.8	5 500*	45.5	53.6	6 300*	49.5	54.8	7 200*	
38.0	29.9	45.9	2 900*	32.3	47.3	3 500*	35.7	49.1	4 400*	38.8	50.6	5 200*	43.4	52.5	5 900*	47.6	53.9	6 800*	
39.0	26.7	44.0	2 300*	29.4	45.6	2 800*	33.1	47.6	3 700*	36.3	49.3	4 600*	41.2	51.4	5 500*	45.5	52.9	6 400*	
40.0							30.2	45.9	3 000*	33.7	47.8	3 900*	38.9	50.2	5 100*	43.4	51.9	5 900*	
42.0										27.9	44.3	2 500*	33.9	47.4	3 900*	38.9	49.5	5 200*	
44.0													28.1	43.9	2 500*	33.9	46.7	3 900*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m				
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall						
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	56.9	39.6	16 700*	62.3	40.2	20 100*b																	
11.0	54.9	39.4	16 000*	60.4	40.0	19 000*b																	
12.0	48.6	38.5	13 600*	54.6	39.3	15 800*																	
13.0	41.5	37.4	11 700*	48.3	38.4	13 400*													57.1	39.4	17 300*		
14.0	33.0	35.9	10 200*	41.1	37.3	11 600*	51.0	38.6	14 400*	59.5	39.5	18 600*b											
15.0	21.4	33.7	8 900*	32.6	35.8	10 200*	44.3	37.6	12 300*	53.6	38.7	15 500*											
16.0							36.5	36.3	10 800*	47.2	37.8	13 100*											
17.0										39.9	36.6	11 400*							55.6	38.4	16 400*		
18.0										31.0	35.0	10 000*	49.4	37.5	14 000*								
19.0													42.4	36.5	12 000*								
20.0													34.1	35.0	10 500*	51.1	37.0	14 600*					
21.0													23.1	33.0	9 200*	44.3	36.0	12 600*					
22.0																36.5	34.7	10 900*					

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall				
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms
9.1	65.4	40.6	19 000*	60.4	40.0	16 000*	57.1	39.4	14 500*	59.5	39.5	15 600*	55.6	38.4	13 700*	51.1	37.0	12 200*	9.1			
10.0	60.7	40.1	16 200*																10.0			
11.0	54.9	39.4	13 200*																11.0			
12.0	48.6	38.5	11 200*																12.0			
13.0	41.5	37.4	9 600*																13.0			
14.0	33.0	35.9	8 400*	41.1	37.3	9 600*	51.0	38.6	12 000*	59.5	39.5	15 600*	42.4	36.5	9 900*	51.1	37.0	12 200*	14.0			
15.0	21.4	33.7	7 300*	32.6	35.8	8 400*	44.3	37.6	10 300*	53.6	38.7	13 000*							15.0			
16.0							36.5	36.3	8 900*	47.2	37.8	10 900*							16.0			
17.0										39.9	36.6	9 500*							55.6	38.4	13 700*	17.0
18.0										31.0	35.0	8 200*							49.4	37.5	11 700*	18.0
19.0													42.4	36.5	9 900*	51.1	37.0	12 200*	19.0			
20.0													34.1	35.0	8 600*	44.3	36.0	10 500*	20.0			
21.0													23.1	33.0	7 500*	36.5	34.7	9 000*	21.0			
22.0																			22.0			



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	65.4	40.6	16 900*	60.4	40.0	14 100*	57.1	39.4	12 700*	59.5	39.5	13 700*	55.6	38.4	12 100*	51.1	37.0	10 700*	9.1
10.0	60.7	40.1	14 400*																10.0
11.0	54.9	39.4	11 600*																11.0
12.0	48.6	38.5	9 800*																12.0
13.0	41.5	37.4	8 400*																13.0
14.0	33.0	35.9	7 300*	41.1	37.3	8 400*	51.0	38.6	10 500*	59.5	39.5	13 700*	49.4	37.5	10 200*	44.3	36.0	9 100*	14.0
15.0	21.4	33.7	6 300*	32.6	35.8	7 200*	44.3	37.6	8 900*	53.6	38.7	11 400*							15.0
16.0							36.5	36.3	7 700*	47.2	37.8	9 500*							16.0
17.0										39.9	36.6	8 200*							17.0
18.0										31.0	35.0	7 100*							18.0
19.0													42.4	36.5	8 600*	51.1	37.0	10 700*	19.0
20.0													34.1	35.0	7 500*	44.3	36.0	9 100*	20.0
21.0													23.1	33.0	6 500*	36.5	34.7	7 800*	21.0
22.0																			22.0

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall				
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms
9.1	70.7	43.9	24 400* b																9.1			
10.0	67.1	43.6	20 700*																10.0			
11.0	62.9	43.0	16 800*																66.9	43.5	20 400*	11.0
12.0	58.4	42.4	14 200*																62.7	42.9	16 900*	12.0
13.0	53.7	41.7	12 300*																58.2	42.3	14 100*	64.5
14.0	48.7	40.8	10 700*	53.5	41.6	12 200*	60.1	42.4	15 200*	66.3	43.0	19 800*							14.0			
15.0	43.1	39.7	9 400*	48.4	40.7	10 600*	55.5	41.7	13 000*	62.0	42.4	16 500*							15.0			
16.0	36.9	38.4	8 300*	42.9	39.6	9 400*	50.6	40.9	11 300*	57.5	41.8	13 900*							16.0			
17.0	29.5	36.8	7 400*	36.6	38.3	8 300*	45.3	39.9	9 900*	52.7	41.0	12 000*							17.0			
18.0	19.4	34.3	6 600*	29.2	36.6	7 400*	39.4	38.7	8 800*	47.6	40.1	10 500*							18.0			
19.0							32.6	37.2	7 800*	41.9	39.0	9 200*	54.3	40.7	12 800*	50.6	39.3	11 500*	19.0			
20.0										35.6	37.6	8 200*	49.3	39.8	11 000*				20.0			
21.0										27.8	35.9	7 300*	43.8	38.8	9 700*				21.0			
22.0													37.7	37.5	8 600*				22.0			
23.0										30.5	35.9	7 600*	45.3	38.3	10 000*	23.0						
24.0													20.9	33.6	6 700*	39.4	37.1	8 900*	24.0			
25.0																32.6	35.6	7 900*	25.0			



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	65.4	40.6	15 800*	70.4	41.0	20 000*												9.1	
10.0	60.7	40.1	13 400*	65.9	40.6	16 600*												10.0	
11.0	54.9	39.4	10 900*	60.4	40.0	13 000*	68.2	40.6	18 300*									11.0	
12.0	48.6	38.5	9 300*	54.6	39.3	10 800*	62.8	40.1	14 500*									12.0	
13.0	41.5	37.4	8 000*	48.3	38.4	9 200*	57.1	39.4	11 600*									13.0	
14.0	33.0	35.9	7 000*	41.1	37.3	8 000*	51.0	38.6	9 900*	59.5	39.5	12 900*						14.0	
15.0	21.4	33.7	6 100*	32.6	35.8	6 900*	44.3	37.6	8 500*	53.6	38.7	10 700*						15.0	
16.0							36.5	36.3	7 300*	47.2	37.8	9 000*						16.0	
17.0										39.9	36.6	7 800*	55.6	38.4	11 300*			17.0	
18.0										31.0	35.0	6 800*	49.4	37.5	9 600*			18.0	
19.0													42.4	36.5	8 200*			19.0	
20.0													34.1	35.0	7 100*	51.1	37.0	20.0	
21.0													23.1	33.0	6 200*	44.3	36.0	21.0	
22.0																36.5	34.7	22.0	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	70.7	43.9	21 900*															9.1	
10.0	67.1	43.6	18 700*															10.0	
11.0	62.9	43.0	15 100*	66.9	43.5	18 400*												11.0	
12.0	58.4	42.4	12 800*	62.7	42.9	15 200*												12.0	
13.0	53.7	41.7	11 000*	58.2	42.3	12 700*	64.5	43.0	16 600*									13.0	
14.0	48.7	40.8	9 600*	53.5	41.6	11 000*	60.1	42.4	13 700*	66.3	43.0	17 800*						14.0	
15.0	43.1	39.7	8 400*	48.4	40.7	9 600*	55.5	41.7	11 700*	62.0	42.4	14 800*						15.0	
16.0	36.9	38.4	7 500*	42.9	39.6	8 400*	50.6	40.9	10 100*	57.5	41.8	12 400*						16.0	
17.0	29.5	36.8	6 700*	36.6	38.3	7 400*	45.3	39.9	8 900*	52.7	41.0	10 800*						17.0	
18.0	19.4	34.3	5 900*	29.2	36.6	6 600*	39.4	38.7	7 800*	47.6	40.1	9 400*						18.0	
19.0							32.6	37.2	7 000*	41.9	39.0	8 300*	54.3	40.7	11 400*			19.0	
20.0										35.6	37.6	7 400*	49.3	39.8	9 800*			20.0	
21.0										27.8	35.9	6 500*	43.8	38.8	8 600*			21.0	
22.0													37.7	37.5	7 600*	50.6	39.3	10 300*	
23.0													30.5	35.9	6 800*	45.3	38.3	9 000*	
24.0													20.9	33.6	6 100*	39.4	37.1	7 900*	
25.0																32.6	35.6	7 000*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	74.0	47.2	26 300*															9.1	
10.0	71.2	46.9	23 000*															10.0	
11.0	67.8	46.4	19 200*	71.0	46.8	23 200*												11.0	
12.0	64.3	46.0	16 300*	67.6	46.4	19 200*												12.0	
13.0	60.6	45.4	14 000*	64.1	45.9	16 100*												13.0	
14.0	56.9	44.7	12 200*	60.5	45.3	14 000*	65.6	45.9	17 500*									14.0	
15.0	52.9	44.0	10 800*	56.7	44.6	12 200*	62.0	45.4	15 000*									15.0	
16.0	48.7	43.1	9 600*	52.7	43.9	10 700*	58.3	44.8	12 900*	63.5	45.4	16 100*						16.0	
17.0	44.2	42.1	8 600*	48.5	43.0	9 600*	54.4	44.0	11 300*	59.9	44.8	13 700*						17.0	
18.0	39.3	40.9	7 700*	44.0	42.0	8 500*	50.3	43.2	10 100*	56.1	44.1	12 000*						18.0	
19.0	33.7	39.4	6 900*	39.0	40.7	7 600*	46.0	42.2	9 000*	52.1	43.3	10 600*						19.0	
20.0	27.1	37.6	6 300*	33.4	39.3	6 900*	41.2	41.1	8 000*	47.8	42.4	9 400*	57.3	43.7	12 600*			20.0	
21.0	18.1	34.9	5 700*	26.7	37.4	6 200*	35.9	39.8	7 200*	43.2	41.4	8 400*	53.4	43.0	11 100*			21.0	
22.0							29.8	38.1	6 500*	38.2	40.1	7 600*	49.2	42.1	9 800*			22.0	
23.0										32.5	38.6	6 800*	44.8	41.1	8 800*	54.4	42.4	11 500*	
24.0										25.5	36.6	6 200*	39.9	40.0	7 900*	50.4	41.6	10 200*	
25.0													34.4	38.5	7 100*	46.0	40.6	9 000*	
26.0													27.9	36.7	6 400*	41.2	39.5	8 100*	
27.0													19.4	34.2	5 800*	35.9	38.2	7 300*	
28.0																29.8	36.5	6 600*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	72.1	49.9	26 300*															10.7	
11.0	71.1	49.7	25 100*															11.0	
12.0	68.2	49.3	21 400*															12.0	
13.0	65.2	48.9	18 300*	68.1	49.2	21 400*												13.0	
14.0	62.2	48.3	16 000*	65.1	48.8	18 200*	69.3	49.3	22 800*									14.0	
15.0	59.0	47.7	14 100*	62.0	48.2	16 000*	66.4	48.8	19 500*									15.0	
16.0	55.8	47.1	12 600*	58.9	47.6	14 100*	63.4	48.3	16 900*									16.0	
17.0	52.3	46.3	11 300*	55.6	46.9	12 600*	60.2	47.7	14 900*	64.6	48.3	18 000*						17.0	
18.0	48.8	45.4	10 200*	52.2	46.2	11 300*	57.0	47.1	13 200*	61.5	47.7	15 800*						18.0	
19.0	44.9	44.4	9 200*	48.6	45.3	10 100*	53.7	46.3	11 800*	58.4	47.1	13 900*						19.0	
20.0	40.8	43.3	8 300*	44.8	44.3	9 200*	50.1	45.5	10 600*	55.1	46.4	12 400*						20.0	
21.0	36.3	41.9	7 600*	40.6	43.1	8 300*	46.4	44.6	9 600*	51.6	45.6	11 100*						21.0	
22.0	31.2	40.3	6 900*	36.1	41.8	7 600*	42.4	43.5	8 700*	48.0	44.7	10 000*	56.2	46.1	13 000*			22.0	
23.0	25.2	38.3	6 300*	31.0	40.2	6 900*	38.1	42.2	7 900*	44.1	43.7	9 100*	52.8	45.3	11 600*			23.0	
24.0	17.0	35.5	5 800*	24.9	38.1	6 300*	33.3	40.7	7 200*	40.0	42.5	8 300*	49.2	44.4	10 400*			24.0	
25.0							27.7	38.9	6 600*	35.4	41.1	7 500*	45.4	43.5	9 400*	53.7	44.7	12 000*	25.0
26.0										30.1	39.5	6 900*	41.3	42.3	8 600*	50.2	43.9	10 800*	26.0
27.0										23.8	37.3	6 300*	36.9	41.0	7 800*	46.4	43.0	9 700*	27.0
28.0													31.9	39.5	7 100*	42.5	41.9	8 800*	28.0
29.0													26.0	37.5	6 500*	38.1	40.6	8 000*	29.0
30.0													18.2	34.8	6 000*	33.3	39.1	7 300*	30.0
31.0																27.7	37.3	6 700*	31.0
32.0																20.6	34.9	6 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 300*															10.7	
11.0	73.6	53.0	26 000*															11.0	
12.0	71.1	52.6	25 000*															12.0	
13.0	68.6	52.2	22 800*	71.0	52.5	24 500*												13.0	
14.0	66.0	51.8	19 400*	68.4	52.1	22 200*												14.0	
15.0	63.3	51.3	17 200*	65.8	51.7	19 500*												15.0	
16.0	60.6	50.7	15 400*	63.2	51.2	17 200*	67.0	51.7	20 700*									16.0	
17.0	57.8	50.1	13 800*	60.5	50.6	15 400*	64.3	51.2	18 100*									17.0	
18.0	54.9	49.4	12 500*	57.7	50.0	13 800*	61.6	50.7	16 100*									18.0	
19.0	51.9	48.6	11 400*	54.8	49.3	12 500*	58.9	50.1	14 500*	62.8	50.7	17 100*						19.0	
20.0	48.8	47.7	10 400*	51.8	48.5	11 400*	56.0	49.4	13 100*	60.0	50.1	15 200*						20.0	
21.0	45.5	46.7	9 500*	48.6	47.6	10 400*	53.1	48.6	11 900*	57.2	49.4	13 700*						21.0	
22.0	42.0	45.6	8 700*	45.3	46.6	9 500*	50.0	47.8	10 800*	54.3	48.7	12 400*	60.9	49.7	15 900*			22.0	
23.0	38.2	44.4	8 000*	41.8	45.5	8 700*	46.8	46.9	9 900*	51.3	47.9	11 300*	58.1	49.1	14 200*			23.0	
24.0	34.0	42.9	7 400*	38.0	44.2	8 000*	43.3	45.8	9 100*	48.1	47.0	10 300*	55.3	48.4	12 800*			24.0	
25.0	29.3	41.2	6 800*	33.8	42.8	7 400*	39.7	44.6	8 400*	44.8	46.0	9 500*	52.3	47.6	11 700*			25.0	
26.0	23.7	39.0	6 300*	29.1	41.0	6 800*	35.7	43.2	7 700*	41.2	44.9	8 700*	49.2	46.7	10 700*	56.0	47.8	13 300*	
27.0	16.3	36.0	5 800*	23.4	38.9	6 300*	31.2	41.6	7 100*	37.4	43.6	8 000*	45.9	45.8	9 800*	53.1	47.0	12 100*	
28.0							26.0	39.7	6 500*	33.1	42.1	7 400*	42.4	44.7	9 000*	50.0	46.2	11 000*	
29.0										28.3	40.3	6 800*	38.6	43.5	8 300*	46.8	45.3	10 100*	
30.0										22.4	38.0	6 300*	34.5	42.0	7 600*	43.3	44.2	9 200*	
31.0													29.9	40.3	7 000*	39.7	43.0	8 500*	
32.0													24.5	38.3	6 500*	35.7	41.6	7 800*	
33.0													17.3	35.4	6 000*	31.2	40.0	7 200*	
34.0																26.0	38.1	6 700*	
35.0																19.5	35.5	6 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 300*															12.2	
13.0	71.1	55.5	25 900*															13.0	
14.0	68.8	55.1	25 000*	71.0	55.4	25 900*												14.0	
15.0	66.5	54.7	22 400*	68.7	55.0	24 400*												15.0	
16.0	64.2	54.2	19 800*	66.4	54.6	22 300*												16.0	
17.0	61.8	53.6	17 900*	64.1	54.1	19 800*	67.4	54.6	23 300*									17.0	
18.0	59.4	53.0	16 200*	61.7	53.5	17 900*	65.1	54.1	20 800*									18.0	
19.0	56.9	52.4	14 800*	59.3	52.9	16 200*	62.7	53.6	18 700*	66.1	54.1	21 900*						19.0	
20.0	54.3	51.7	13 500*	56.7	52.3	14 700*	60.3	53.0	17 000*	63.7	53.6	19 600*						20.0	
21.0	51.6	50.9	12 400*	54.2	51.6	13 500*	57.8	52.4	15 400*	61.3	53.0	17 700*						21.0	
22.0	48.8	50.0	11 400*	51.5	50.8	12 400*	55.3	51.7	14 100*	58.9	52.4	16 100*						22.0	
23.0	45.9	49.0	10 500*	48.7	49.9	11 400*	52.6	50.9	12 900*	56.3	51.8	14 700*	62.1	52.6	18 300*			23.0	
24.0	42.8	48.0	9 700*	45.8	48.9	10 500*	49.9	50.1	11 900*	53.7	51.0	13 400*	59.7	52.1	16 700*			24.0	
25.0	39.5	46.8	9 000*	42.7	47.8	9 700*	47.0	49.2	11 000*	51.0	50.2	12 400*	57.2	51.4	15 200*			25.0	
26.0	36.0	45.4	8 400*	39.4	46.6	9 000*	44.0	48.1	10 100*	48.2	49.3	11 400*	54.6	50.7	13 900*			26.0	
27.0	32.1	43.9	7 800*	35.8	45.3	8 400*	40.8	47.0	9 400*	45.3	48.3	10 500*	51.9	49.9	12 800*			27.0	
28.0	27.7	42.0	7 200*	31.9	43.7	7 800*	37.4	45.7	8 700*	42.2	47.2	9 800*	49.1	49.0	11 800*	55.3	50.1	14 300*	
29.0	22.5	39.7	6 700*	27.5	41.9	7 200*	33.7	44.2	8 100*	38.8	46.0	9 000*	46.2	48.1	10 900*	52.6	49.3	13 100*	
30.0	15.6	36.6	6 300*	22.3	39.6	6 700*	29.5	42.5	7 500*	35.2	44.6	8 400*	43.2	47.0	10 100*	49.9	48.5	12 100*	
31.0							24.7	40.4	7 000*	31.3	43.0	7 800*	39.9	45.8	9 300*	47.0	47.6	11 200*	
32.0							18.6	37.7	6 500*	26.8	41.1	7 300*	36.4	44.5	8 700*	44.0	46.5	10 300*	
33.0										21.3	38.7	6 800*	32.6	43.0	8 100*	40.8	45.4	9 600*	
34.0													28.3	41.2	7 500*	37.4	44.1	8 900*	
35.0													23.2	39.0	7 000*	33.7	42.6	8 300*	
36.0													16.6	36.0	6 500*	29.5	40.9	7 700*	
37.0																24.7	38.8	7 200*	
38.0																18.6	36.1	6 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 300*															10.7	
11.0	73.6	53.0	25 600*															11.0	
12.0	71.1	52.6	23 400*															12.0	
13.0	68.6	52.2	20 800*	71.0	52.5	23 600*												13.0	
14.0	66.0	51.8	18 000*	68.4	52.1	20 400*												14.0	
15.0	63.3	51.3	15 900*	65.8	51.7	17 900*												15.0	
16.0	60.6	50.7	14 200*	63.2	51.2	15 800*	67.0	51.7	19 100*									16.0	
17.0	57.8	50.1	12 800*	60.5	50.6	14 200*	64.3	51.2	16 700*									17.0	
18.0	54.9	49.4	11 600*	57.7	50.0	12 700*	61.6	50.7	14 900*									18.0	
19.0	51.9	48.6	10 500*	54.8	49.3	11 500*	58.9	50.1	13 400*	62.8	50.7	15 800*						19.0	
20.0	48.8	47.7	9 600*	51.8	48.5	10 500*	56.0	49.4	12 100*	60.0	50.1	14 000*						20.0	
21.0	45.5	46.7	8 700*	48.6	47.6	9 600*	53.1	48.6	11 000*	57.2	49.4	12 600*						21.0	
22.0	42.0	45.6	8 000*	45.3	46.6	8 800*	50.0	47.8	10 000*	54.3	48.7	11 500*	60.9	49.7	14 700*			22.0	
23.0	38.2	44.4	7 400*	41.8	45.5	8 000*	46.8	46.9	9 100*	51.3	47.9	10 400*	58.1	49.1	13 100*			23.0	
24.0	34.0	42.9	6 800*	38.0	44.2	7 400*	43.3	45.8	8 400*	48.1	47.0	9 500*	55.3	48.4	11 900*			24.0	
25.0	29.3	41.2	6 300*	33.8	42.8	6 800*	39.7	44.6	7 700*	44.8	46.0	8 700*	52.3	47.6	10 800*			25.0	
26.0	23.7	39.0	5 800*	29.1	41.0	6 300*	35.7	43.2	7 100*	41.2	44.9	8 000*	49.2	46.7	9 800*	56.0	47.8	12 200*	
27.0	16.3	36.0	5 400*	23.4	38.9	5 800*	31.2	41.6	6 500*	37.4	43.6	7 400*	45.9	45.8	9 000*	53.1	47.0	11 200*	
28.0							26.0	39.7	6 000*	33.1	42.1	6 800*	42.4	44.7	8 300*	50.0	46.2	10 200*	
29.0										28.3	40.3	6 300*	38.6	43.5	7 600*	46.8	45.3	9 300*	
30.0										22.4	38.0	5 800*	34.5	42.0	7 000*	43.3	44.2	8 500*	
31.0													29.9	40.3	6 500*	39.7	43.0	7 800*	
32.0													24.5	38.3	6 000*	35.7	41.6	7 200*	
33.0													17.3	35.4	5 500*	31.2	40.0	6 700*	
34.0																26.0	38.1	6 200*	
35.0																19.5	35.5	5 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

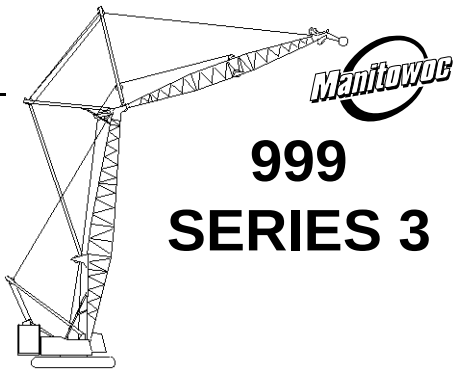
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 300*																12.2
13.0	71.1	55.5	24 900*																13.0
14.0	68.8	55.1	23 000*	71.0	55.4	25 500*													14.0
15.0	66.5	54.7	20 400*	68.7	55.0	22 700*													15.0
16.0	64.2	54.2	18 100*	66.4	54.6	20 300*													16.0
17.0	61.8	53.6	16 400*	64.1	54.1	18 100*	67.4	54.6	21 300*										17.0
18.0	59.4	53.0	14 800*	61.7	53.5	16 300*	65.1	54.1	19 100*										18.0
19.0	56.9	52.4	13 500*	59.3	52.9	14 800*	62.7	53.6	17 100*	66.1	54.1	20 000*							19.0
20.0	54.3	51.7	12 400*	56.7	52.3	13 500*	60.3	53.0	15 500*	63.7	53.6	17 900*							20.0
21.0	51.6	50.9	11 300*	54.2	51.6	12 300*	57.8	52.4	14 100*	61.3	53.0	16 200*							21.0
22.0	48.8	50.0	10 400*	51.5	50.8	11 300*	55.3	51.7	12 900*	58.9	52.4	14 700*							22.0
23.0	45.9	49.0	9 600*	48.7	49.9	10 400*	52.6	50.9	11 800*	56.3	51.8	13 400*	62.1	52.6	16 800*				23.0
24.0	42.8	48.0	8 900*	45.8	48.9	9 600*	49.9	50.1	10 900*	53.7	51.0	12 300*	59.7	52.1	15 300*				24.0
25.0	39.5	46.8	8 200*	42.7	47.8	8 900*	47.0	49.2	10 000*	51.0	50.2	11 300*	57.2	51.4	13 900*				25.0
26.0	36.0	45.4	7 600*	39.4	46.6	8 200*	44.0	48.1	9 200*	48.2	49.3	10 400*	54.6	50.7	12 700*				26.0
27.0	32.1	43.9	7 100*	35.8	45.3	7 600*	40.8	47.0	8 600*	45.3	48.3	9 600*	51.9	49.9	11 700*				27.0
28.0	27.7	42.0	6 600*	31.9	43.7	7 100*	37.4	45.7	7 900*	42.2	47.2	8 900*	49.1	49.0	10 800*	55.3	50.1	13 100*	28.0
29.0	22.5	39.7	6 100*	27.5	41.9	6 600*	33.7	44.2	7 400*	38.8	46.0	8 200*	46.2	48.1	9 900*	52.6	49.3	12 000*	29.0
30.0	15.6	36.6	5 700*	22.3	39.6	6 100*	29.5	42.5	6 800*	35.2	44.6	7 600*	43.2	47.0	9 200*	49.9	48.5	11 100*	30.0
31.0							24.7	40.4	6 400*	31.3	43.0	7 100*	39.9	45.8	8 500*	47.0	47.6	10 200*	31.0
32.0							18.6	37.7	5 900*	26.8	41.1	6 600*	36.4	44.5	7 900*	44.0	46.5	9 400*	32.0
33.0										21.3	38.7	6 200*	32.6	43.0	7 300*	40.8	45.4	8 800*	33.0
34.0													28.3	41.2	6 800*	37.4	44.1	8 100*	34.0
35.0													23.2	39.0	6 400*	33.7	42.6	7 600*	35.0
36.0													16.6	36.0	5 900*	29.5	40.9	7 000*	36.0
37.0																24.7	38.8	6 500*	37.0
38.0																18.6	36.1	6 100*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 300*															10.7	
11.0	73.6	53.0	25 200*															11.0	
12.0	71.1	52.6	21 900*															12.0	
13.0	68.6	52.2	19 000*	71.0	52.5	22 000*												13.0	
14.0	66.0	51.8	16 600*	68.4	52.1	18 900*												14.0	
15.0	63.3	51.3	14 700*	65.8	51.7	16 600*												15.0	
16.0	60.6	50.7	13 100*	63.2	51.2	14 700*	67.0	51.7	17 700*									16.0	
17.0	57.8	50.1	11 800*	60.5	50.6	13 100*	64.3	51.2	15 500*									17.0	
18.0	54.9	49.4	10 700*	57.7	50.0	11 800*	61.6	50.7	13 800*									18.0	
19.0	51.9	48.6	9 700*	54.8	49.3	10 700*	58.9	50.1	12 400*	62.8	50.7	14 600*						19.0	
20.0	48.8	47.7	8 800*	51.8	48.5	9 700*	56.0	49.4	11 200*	60.0	50.1	13 000*						20.0	
21.0	45.5	46.7	8 100*	48.6	47.6	8 800*	53.1	48.6	10 200*	57.2	49.4	11 700*						21.0	
22.0	42.0	45.6	7 400*	45.3	46.6	8 100*	50.0	47.8	9 200*	54.3	48.7	10 600*	60.9	49.7	13 600*			22.0	
23.0	38.2	44.4	6 800*	41.8	45.5	7 400*	46.8	46.9	8 400*	51.3	47.9	9 600*	58.1	49.1	12 200*			23.0	
24.0	34.0	42.9	6 200*	38.0	44.2	6 800*	43.3	45.8	7 700*	48.1	47.0	8 800*	55.3	48.4	11 000*			24.0	
25.0	29.3	41.2	5 800*	33.8	42.8	6 200*	39.7	44.6	7 100*	44.8	46.0	8 000*	52.3	47.6	10 000*			25.0	
26.0	23.7	39.0	5 300*	29.1	41.0	5 800*	35.7	43.2	6 500*	41.2	44.9	7 400*	49.2	46.7	9 100*	56.0	47.8	11 300*	
27.0	16.3	36.0	4 900*	23.4	38.9	5 300*	31.2	41.6	6 000*	37.4	43.6	6 800*	45.9	45.8	8 300*	53.1	47.0	10 300*	
28.0							26.0	39.7	5 500*	33.1	42.1	6 200*	42.4	44.7	7 600*	50.0	46.2	9 400*	
29.0										28.3	40.3	5 800*	38.6	43.5	7 000*	46.8	45.3	8 600*	
30.0										22.4	38.0	5 300*	34.5	42.0	6 500*	43.3	44.2	7 900*	
31.0													29.9	40.3	6 000*	39.7	43.0	7 200*	
32.0													24.5	38.3	5 500*	35.7	41.6	6 700*	
33.0													17.3	35.4	5 100*	31.2	40.0	6 100*	
34.0																26.0	38.1	5 700*	
35.0																19.5	35.5	5 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 300*															12.2	
13.0	71.1	55.5	23 900*															13.0	
14.0	68.8	55.1	21 100*	71.0	55.4	23 900*												14.0	
15.0	66.5	54.7	18 700*	68.7	55.0	21 000*												15.0	
16.0	64.2	54.2	16 700*	66.4	54.6	18 600*												16.0	
17.0	61.8	53.6	15 000*	64.1	54.1	16 700*	67.4	54.6	19 700*									17.0	
18.0	59.4	53.0	13 600*	61.7	53.5	15 000*	65.1	54.1	17 600*									18.0	
19.0	56.9	52.4	12 400*	59.3	52.9	13 600*	62.7	53.6	15 800*	66.1	54.1	18 500*						19.0	
20.0	54.3	51.7	11 300*	56.7	52.3	12 400*	60.3	53.0	14 300*	63.7	53.6	16 500*						20.0	
21.0	51.6	50.9	10 400*	54.2	51.6	11 400*	57.8	52.4	13 000*	61.3	53.0	14 900*						21.0	
22.0	48.8	50.0	9 600*	51.5	50.8	10 400*	55.3	51.7	11 900*	58.9	52.4	13 500*						22.0	
23.0	45.9	49.0	8 800*	48.7	49.9	9 500*	52.6	50.9	10 800*	56.3	51.8	12 400*	62.1	52.6	15 500*			23.0	
24.0	42.8	48.0	8 100*	45.8	48.9	8 800*	49.9	50.1	10 000*	53.7	51.0	11 300*	59.7	52.1	14 100*			24.0	
25.0	39.5	46.8	7 500*	42.7	47.8	8 100*	47.0	49.2	9 200*	51.0	50.2	10 400*	57.2	51.4	12 800*			25.0	
26.0	36.0	45.4	7 000*	39.4	46.6	7 500*	44.0	48.1	8 500*	48.2	49.3	9 500*	54.6	50.7	11 700*			26.0	
27.0	32.1	43.9	6 500*	35.8	45.3	7 000*	40.8	47.0	7 800*	45.3	48.3	8 800*	51.9	49.9	10 700*			27.0	
28.0	27.7	42.0	6 000*	31.9	43.7	6 500*	37.4	45.7	7 300*	42.2	47.2	8 200*	49.1	49.0	9 900*	55.3	50.1	12 100*	
29.0	22.5	39.7	5 600*	27.5	41.9	6 000*	33.7	44.2	6 700*	38.8	46.0	7 500*	46.2	48.1	9 100*	52.6	49.3	11 000*	
30.0	15.6	36.6	4 600*	22.3	39.6	5 600*	29.5	42.5	6 200*	35.2	44.6	7 000*	43.2	47.0	8 400*	49.9	48.5	10 200*	
31.0							24.7	40.4	5 800*	31.3	43.0	6 500*	39.9	45.8	7 800*	47.0	47.6	9 400*	
32.0							18.6	37.7	5 400*	26.8	41.1	6 000*	36.4	44.5	7 300*	44.0	46.5	8 700*	
33.0										21.3	38.7	5 600*	32.6	43.0	6 700*	40.8	45.4	8 000*	
34.0													28.3	41.2	6 300*	37.4	44.1	7 400*	
35.0													23.2	39.0	5 800*	33.7	42.6	6 900*	
36.0													16.6	36.0	5 400*	29.5	40.9	6 400*	
37.0																24.7	38.8	6 000*	
38.0																18.6	36.1	5 600*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
12.2	74.6	59.0	26 300*																12.2
13.0	73.0	58.7	25 300*																13.0
14.0	71.0	58.4	24 000*	73.0	58.6	25 700*													14.0
15.0	69.0	58.0	21 700*	71.0	58.3	23 600*													15.0
16.0	67.0	57.6	19 500*	68.9	57.9	21 600*													16.0
17.0	64.9	57.1	17 700*	66.9	57.5	19 500*	69.8	57.9	22 400*										17.0
18.0	62.8	56.6	16 000*	64.8	57.0	17 700*	67.8	57.5	20 400*										18.0
19.0	60.6	56.0	14 600*	62.7	56.5	16 000*	65.7	57.0	18 500*										19.0
20.0	58.4	55.4	13 400*	60.5	55.9	14 600*	63.6	56.5	16 700*	66.5	57.0	19 300*							20.0
21.0	56.1	54.7	12 300*	58.3	55.3	13 400*	61.4	56.0	15 300*	64.4	56.5	17 500*							21.0
22.0	53.7	54.0	11 300*	56.0	54.6	12 300*	59.2	55.4	14 000*	62.3	56.0	15 900*							22.0
23.0	51.3	53.2	10 500*	53.6	53.9	11 300*	57.0	54.7	12 800*	60.1	55.4	14 600*							23.0
24.0	48.8	52.3	9 700*	51.2	53.1	10 500*	54.7	54.0	11 800*	57.9	54.8	13 300*							24.0
25.0	46.2	51.3	9 000*	48.7	52.2	9 700*	52.3	53.2	10 900*	55.6	54.1	12 300*	60.8	55.0	15 100*				25.0
26.0	43.5	50.3	8 400*	46.1	51.2	9 000*	49.8	52.4	10 100*	53.3	53.3	11 300*	58.6	54.4	13 800*				26.0
27.0	40.6	49.1	7 800*	43.4	50.2	8 400*	47.2	51.5	9 400*	50.8	52.5	10 500*	56.4	53.7	12 700*				27.0
28.0	37.5	47.9	7 200*	40.5	49.0	7 800*	44.5	50.5	8 700*	48.3	51.6	9 700*	54.0	53.0	11 700*				28.0
29.0	34.2	46.4	6 700*	37.4	47.7	7 300*	41.7	49.3	8 100*	45.7	50.6	9 000*	51.6	52.2	10 800*	57.0	53.1	13 000*	29.0
30.0	30.6	44.8	6 300*	34.0	46.3	6 800*	38.7	48.1	7 500*	42.9	49.6	8 400*	49.1	51.3	10 000*	54.7	52.4	12 100*	30.0
31.0	26.4	42.8	5 900*	30.4	44.6	6 300*	35.5	46.7	7 000*	40.0	48.4	7 900*	46.5	50.4	9 300*	52.3	51.6	11 200*	31.0
32.0	21.6	40.4	5 500*	26.2	42.6	5 900*	32.0	45.2	6 600*	36.9	47.1	7 300*	43.8	49.4	8 700*	49.8	50.8	10 300*	32.0
33.0	15.1	37.2	3 600*	21.3	40.2	5 500*	28.1	43.3	6 100*	33.5	45.6	6 800*	41.0	48.2	8 100*	47.2	49.9	9 600*	33.0
34.0							23.5	41.2	5 800*	29.8	43.9	6 400*	37.9	46.9	7 600*	44.5	48.9	8 900*	34.0
35.0							17.9	38.3	5 400*	25.5	41.9	6 000*	34.6	45.5	7 100*	41.7	47.8	8 300*	35.0
36.0										20.4	39.4	5 600*	31.0	43.9	6 600*	38.7	46.5	7 800*	36.0
37.0													27.0	42.0	6 200*	35.5	45.1	7 300*	37.0
38.0													22.2	39.7	5 800*	32.0	43.6	6 800*	38.0
39.0													16.1	36.6	5 400*	28.1	41.7	6 400*	39.0
40.0																23.5	39.6	5 900	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

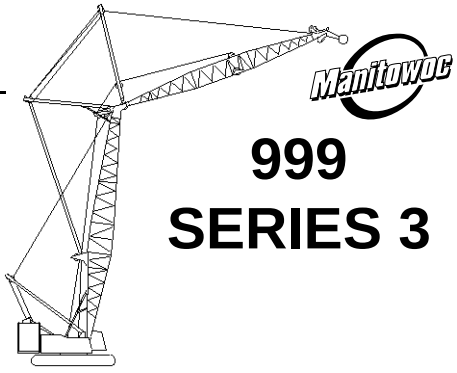
**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	73.4	61.7	23 800*																13.7
14.0	72.8	61.6	23 100*																14.0
15.0	71.0	61.3	20 900*																15.0
16.0	69.2	60.9	19 000*	70.9	61.2	20 900*													16.0
17.0	67.3	60.5	17 300*	69.1	60.8	18 900*													17.0
18.0	65.4	60.0	15 800*	67.2	60.4	17 200*													18.0
19.0	63.5	59.5	14 600*	65.4	59.9	15 800*	68.0	60.4	18 000*										19.0
20.0	61.6	58.9	13 400*	63.4	59.4	14 600*	66.2	59.9	16 400*										20.0
21.0	59.6	58.4	12 500*	61.5	58.8	13 400*	64.3	59.4	15 100*										21.0
22.0	57.5	57.7	11 600*	59.5	58.3	12 400*	62.3	58.9	13 900*	65.1	59.4	15 700*							22.0
23.0	55.5	57.0	10 700*	57.5	57.6	11 500*	60.3	58.3	12 800*	63.1	58.9	14 400*							23.0
24.0	53.3	56.3	9 900*	55.4	56.9	10 700*	58.3	57.7	11 900*	61.2	58.3	13 300*							24.0
25.0	51.1	55.5	9 100*	53.2	56.2	9 900*	56.3	57.1	11 000*	59.2	57.7	12 300*							25.0
26.0	48.8	54.6	8 400*	51.0	55.4	9 100*	54.1	56.3	10 300*	57.1	57.1	11 400*	61.8	57.9	13 600*				26.0
27.0	46.5	53.7	7 800*	48.7	54.5	8 400*	52.0	55.5	9 500*	55.0	56.4	10 600*	59.8	57.4	12 600*				27.0
28.0	44.0	52.6	7 200*	46.4	53.5	7 800*	49.7	54.7	8 800*	52.9	55.6	9 900*	57.8	56.7	11 700*				28.0
29.0	41.4	51.5	6 600*	43.9	52.5	7 200*	47.4	53.8	8 100*	50.7	54.8	9 200*	55.7	56.0	10 800*				29.0
30.0	38.7	50.3	6 200*	41.3	51.4	6 700*	45.0	52.8	7 500*	48.4	53.9	8 500*	53.6	55.3	10 100*				30.0
31.0	35.8	48.9	5 700*	38.6	50.1	6 200*	42.4	51.7	7 000*	46.0	53.0	7 800*	51.4	54.5	9 400*	56.3	55.5	11 100*	31.0
32.0	32.7	47.4	5 300*	35.7	48.8	5 800*	39.8	50.5	6 500*	43.5	51.9	7 300*	49.1	53.6	8 800*	54.2	54.7	10 300*	32.0
33.0	29.2	45.6	4 900*	32.5	47.2	5 300*	36.9	49.2	6 000*	40.9	50.8	6 700*	46.8	52.7	8 200*	52.0	53.9	9 600*	33.0
34.0	25.3	43.6	4 500*	29.1	45.5	4 900*	33.9	47.7	5 500*	38.1	49.5	6 300*	44.3	51.7	7 600*	49.7	53.1	9 000*	34.0
35.0	20.7	41.1	4 200*	25.1	43.4	4 600*	30.6	46.1	5 100*	35.2	48.1	5 800*	41.8	50.6	7 000*	47.4	52.2	8 400*	35.0
36.0				20.5	40.9	4 200*	26.9	44.2	4 800*	32.0	46.5	5 400*	39.0	49.3	6 500*	45.0	51.2	7 800*	36.0
37.0							22.6	41.9	4 400*	28.5	44.7	5 000*	36.2	48.0	6 000*	42.4	50.1	7 200*	37.0
38.0							17.3	38.9	4 100*	24.5	42.6	4 600*	33.1	46.5	5 600*	39.8	48.9	6 700*	38.0
39.0										19.7	40.0	4 300*	29.6	44.8	5 200*	36.9	47.6	6 200*	39.0
40.0													25.8	42.8	4 800*	33.9	46.1	5 800*	40.0
42.0													15.6	37.2	4 100*	26.9	42.6	4 900	42.0
44.0																17.3	37.3	3 800	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.8	64.9	25 900*															13.7	
14.0	74.3	64.8	25 200*															14.0	
15.0	72.7	64.5	22 900*															15.0	
16.0	71.0	64.1	20 800*	72.6	64.4	22 800*												16.0	
17.0	69.3	63.8	19 100*	70.9	64.0	20 800*												17.0	
18.0	67.6	63.3	17 600*	69.3	63.7	19 000*												18.0	
19.0	65.9	62.9	16 200*	67.6	63.3	17 500*												19.0	
20.0	64.2	62.4	15 100*	65.8	62.8	16 200*	68.3	63.3	18 200*									20.0	
21.0	62.4	61.9	14 000*	64.1	62.3	15 000*	66.6	62.8	16 800*									21.0	
22.0	60.6	61.3	13 000*	62.3	61.8	13 900*	64.8	62.3	15 500*									22.0	
23.0	58.7	60.7	12 100*	60.5	61.2	13 000*	63.1	61.8	14 400*	65.6	62.3	16 000*						23.0	
24.0	56.9	60.0	11 300*	58.7	60.6	12 100*	61.3	61.3	13 400*	63.8	61.8	14 900*						24.0	
25.0	54.9	59.3	10 600*	56.8	59.9	11 300*	59.4	60.7	12 500*	62.0	61.3	13 800*						25.0	
26.0	53.0	58.6	10 000*	54.8	59.2	10 600*	57.6	60.1	11 700*	60.2	60.7	12 900*						26.0	
27.0	50.9	57.8	9 300*	52.9	58.5	10 000*	55.7	59.4	10 900*	58.4	60.1	12 000*						27.0	
28.0	48.9	56.9	8 700*	50.8	57.7	9 300*	53.7	58.6	10 200*	56.5	59.4	11 200*	60.8	60.3	13 200*			28.0	
29.0	46.7	56.0	8 100*	48.8	56.8	8 700*	51.7	57.8	9 600*	54.5	58.7	10 500*	59.0	59.7	12 300*			29.0	
30.0	44.5	54.9	7 500*	46.6	55.8	8 100*	49.7	57.0	9 000*	52.6	57.9	9 900*	57.1	59.1	11 500*			30.0	
31.0	42.1	53.8	7 000*	44.4	54.8	7 600*	47.5	56.1	8 500*	50.5	57.1	9 300*	55.2	58.4	10 700*			31.0	
32.0	39.7	52.7	6 500*	42.0	53.7	7 100*	45.3	55.1	7 900*	48.4	56.2	8 700*	53.2	57.6	10 100*	57.6	58.5	32.0	
33.0	37.1	51.3	6 100*	39.6	52.5	6 600*	43.0	54.0	7 400*	46.2	55.3	8 200*	51.2	56.8	9 500*	55.7	57.8	33.0	
34.0	34.3	49.9	5 700*	37.0	51.2	6 100*	40.6	52.9	6 900*	44.0	54.2	7 700*	49.1	55.9	8 900*	53.7	57.0	34.0	
35.0	31.3	48.3	5 300*	34.2	49.8	5 700*	38.1	51.6	6 400*	41.6	53.1	7 100*	47.0	55.0	8 400*	51.7	56.2	35.0	
36.0	28.1	46.5	5 000*	31.2	48.1	5 400*	35.4	50.2	6 000*	39.2	51.9	6 700*	44.7	54.0	7 900*	49.7	55.4	36.0	
37.0	24.4	44.3	4 600*	27.9	46.3	5 000*	32.5	48.7	5 600*	36.5	50.6	6 300*	42.4	52.9	7 400*	47.5	54.5	37.0	
38.0	20.0	41.7	4 000*	24.2	44.2	4 700*	29.4	46.9	5 200*	33.7	49.1	5 800*	40.0	51.7	6 900*	45.3	53.5	38.0	
39.0				19.8	41.5	4 000*	25.8	44.9	4 900*	30.7	47.4	5 400*	37.4	50.4	6 500*	43.0	52.4	39.0	
40.0							21.8	42.6	4 500*	27.4	45.6	5 100*	34.7	49.0	6 100*	40.6	51.3	40.0	
42.0										19.0	40.6	4 000*	28.5	45.6	5 300*	35.4	48.6	42.0	
44.0													20.6	41.0	4 200*	29.4	45.3	44.0	
46.0																21.8	41.0	46.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
13.7	76.0	68.1	25 000*																13.7
14.0	75.6	68.0	24 400*																14.0
15.0	74.1	67.7	22 100*																15.0
16.0	72.5	67.4	20 100*																16.0
17.0	71.0	67.0	18 400*	72.5	67.3	20 100*													17.0
18.0	69.4	66.6	16 900*	70.9	66.9	18 400*													18.0
19.0	67.9	66.2	15 600*	69.4	66.5	16 900*													19.0
20.0	66.3	65.8	14 400*	67.8	66.1	15 500*	70.0	66.5	17 500*										20.0
21.0	64.7	65.3	13 300*	66.2	65.7	14 300*	68.5	66.1	16 100*										21.0
22.0	63.1	64.8	12 300*	64.6	65.2	13 300*	66.9	65.7	14 800*										22.0
23.0	61.4	64.3	11 400*	63.0	64.7	12 300*	65.3	65.3	13 700*	67.6	65.6	15 300*							23.0
24.0	59.7	63.7	10 700*	61.3	64.2	11 400*	63.7	64.8	12 700*	66.0	65.2	14 200*							24.0
25.0	58.0	63.0	9 900*	59.6	63.6	10 600*	62.0	64.2	11 800*	64.4	64.7	13 100*							25.0
26.0	56.3	62.4	9 200*	57.9	62.9	9 900*	60.4	63.6	11 000*	62.7	64.2	12 200*							26.0
27.0	54.5	61.7	8 600*	56.2	62.3	9 200*	58.7	63.0	10 200*	61.1	63.6	11 300*							27.0
28.0	52.7	60.9	8 100*	54.4	61.5	8 600*	56.9	62.4	9 500*	59.4	63.0	10 500*							28.0
29.0	50.8	60.1	7 500*	52.6	60.8	8 000*	55.2	61.7	8 900*	57.7	62.4	9 800*	61.6	63.2	11 600*				29.0
30.0	48.9	59.2	7 000*	50.7	60.0	7 500*	53.4	60.9	8 300*	55.9	61.7	9 200*	59.9	62.7	10 800*				30.0
31.0	46.9	58.3	6 600*	48.8	59.1	7 000*	51.5	60.1	7 700*	54.1	61.0	8 600*	58.2	62.0	10 100*				31.0
32.0	44.8	57.3	6 200*	46.8	58.2	6 600*	49.6	59.3	7 300*	52.3	60.2	8 000*	56.5	61.4	9 400*				32.0
33.0	42.7	56.2	5 700*	44.7	57.1	6 100*	47.6	58.4	6 800*	50.4	59.4	7 500*	54.7	60.7	8 800*				33.0
34.0	40.5	55.0	5 400*	42.6	56.1	5 700*	45.6	57.4	6 400*	48.5	58.5	7 000*	52.9	59.9	8 200*	56.9	60.8	9 500*	34.0
35.0	38.1	53.8	5 000*	40.4	54.9	5 400*	43.5	56.4	5 900*	46.5	57.6	6 500*	51.0	59.1	7 600*	55.2	60.1	8 900*	35.0
36.0	35.7	52.4	4 700*	38.0	53.6	5 000*	41.3	55.2	5 500*	44.4	56.6	6 100*	49.1	58.2	7 200*	53.4	59.3	8 300*	36.0
37.0	33.0	50.9	4 400*	35.5	52.2	4 700*	39.0	54.0	5 200*	42.2	55.5	5 700*	47.1	57.3	6 700*	51.5	58.5	7 800*	37.0
38.0	30.2	49.2	4 100*	32.9	50.7	4 400*	36.6	52.7	4 800*	40.0	54.3	5 300*	45.1	56.3	6 300*	49.6	57.7	7 300*	38.0
39.0	27.1	47.3	3 700*	30.0	49.0	4 100*	34.1	51.2	4 500*	37.6	53.0	5 000*	43.0	55.2	5 900*	47.7	56.8	6 800	39.0
40.0	23.5	45.1	3 100*	26.9	47.1	3 700*	31.3	49.6	4 200*	35.1	51.6	4 700*	40.7	54.1	5 500*	45.6	55.8	6 300	40.0
42.0							24.9	45.7	3 300*	29.6	48.3	4 000*	36.0	51.5	4 800*	41.3	53.6	5 200	42.0
44.0							16.3	40.1	2 100*	22.8	44.1	2 900*	30.5	48.3	4 200*	36.6	51.1	4 100	44.0
46.0													24.0	44.3	3 000*	31.3	48.0	3 200	46.0
48.0																25.0	44.1	2 300	48.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall			
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m
10.7	57.5	42.8	17 100*																		
11.0	55.5	42.5	16 300*																		
12.0	49.3	41.6	13 900*																		
13.0	42.3	40.6	11 900*																		
14.0	34.0	39.1	10 400*	49.7	41.6	14 100*	53.4	42.0	15 400*												
15.0	23.0	37.0	9 100*	42.7	40.6	12 000*															
16.0																					
17.0																					
18.0				34.6	39.2	10 500*	46.9	41.0	13 200*	50.7	41.3	14 500*	60.2	41.9	19 200*b						
19.0							39.5	39.8	11 300*	43.9	40.3	12 300*									
20.0										36.0	39.0	10 800*							54.3	41.2	16 000*
21.0																			48.0	40.3	13 500*
22.0													40.8	39.1	11 700*	44.6	38.9	12 800*			
23.0													32.1	37.6	10 300*						
24.0																					
																27.0	35.8	9 600*			

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	65.9	43.7	19 600* b															9.1	
10.0	61.3	43.2	16 700*															10.0	
11.0	55.5	42.5	13 400*	61.6	43.2	16 800*												11.0	
12.0	49.3	41.6	11 400*	55.9	42.5	13 800*												12.0	
13.0	42.3	40.6	9 800*	49.7	41.6	11 500*	59.3	42.7	15 600*									13.0	
14.0	34.0	39.1	8 500*	42.7	40.6	9 900*	53.4	42.0	12 800*	62.5	42.8	17 400* b						14.0	
15.0	23.0	37.0	7 400*	34.6	39.2	8 600*	46.9	41.0	10 900*	56.8	42.1	14 300*						15.0	
16.0							39.5	39.8	9 400*	50.7	41.3	11 900*						16.0	
17.0										43.9	40.3	10 200*	60.2	41.9	16 100*			17.0	
18.0										36.0	39.0	8 800*	54.3	41.2	13 400*			18.0	
19.0													48.0	40.3	11 200*			19.0	
20.0													40.8	39.1	9 700*			20.0	
21.0													32.1	37.6	8 400*			21.0	
22.0																44.6	38.9	10 600*	22.0
23.0																36.9	37.6	9 100*	23.0
24.0																27.0	35.8	7 900*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall					
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m	Capacity Kilograms
9.1	65.9	43.7	17 400*																			
10.0	61.3	43.2	14 700*																			
11.0	55.5	42.5	11 900*																61.6	43.2	14 800*	
12.0	49.3	41.6	10 000*																55.9	42.5	12 200*	
13.0	42.3	40.6	8 600*																49.7	41.6	10 100*	59.3
14.0	34.0	39.1	7 400*	42.7	40.6	8 700*	53.4	42.0	11 200*	62.5	42.8	15 400*										
15.0	23.0	37.0	6 400*	34.6	39.2	7 500*	46.9	41.0	9 500*	56.8	42.1	12 600*										
16.0							39.5	39.8	8 200*	50.7	41.3	10 400*										
17.0										43.9	40.3	8 900*							60.2	41.9	14 200*	
18.0										36.0	39.0	7 700*							54.3	41.2	11 800*	
19.0													48.0	40.3	9 800*							
20.0													40.8	39.1	8 400*							
21.0													32.1	37.6	7 300*							
22.0																				44.6	38.9	9 200*
23.0																				36.9	37.6	7 900*
24.0																27.0	35.8	6 800*	24.0			

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m																																												
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall																																														
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms																																													
9.1	71.1	47.0	25 200*																9.1																																												
10.0	67.6	46.7	21 300*																	67.8	46.6	21 400*	63.6	46.1	17 600*	59.2	45.5	14 600*	66.1	46.2	20 000*			10.0																													
11.0	63.3	46.1	17 200*																																58.9	45.5	14 500*	54.2	44.8	12 500*								11.0															
12.0	58.9	45.5	14 500*																																														54.2	44.8	12 500*										12.0		
13.0	54.2	44.8	12 500*																																																											66.1	46.2
14.0	49.2	43.9	10 900*	54.5	44.8	12 600*	61.8	45.7	16 300*	59.9	45.1	15 400*						14.0																																													
15.0	43.8	42.9	9 600*																49.5	43.9	11 000*	57.3	45.0	13 800*	55.3	44.4	13 000*						15.0																														
16.0	37.6	41.6	8 400*																															44.1	42.9	9 600*	52.5	44.3	11 900*	50.3	43.6	11 300*						16.0															
17.0	30.4	40.0	7 500*																																														38.0	41.7	8 500*	47.3	43.3	10 500*	55.3	44.4	13 000*						
18.0	20.8	37.7	6 700*																																																											30.9	40.1
19.0				35.2	40.9	8 200*	45.0	42.6	9 900*	58.0	44.2	14 500*						19.0																																													
20.0																			39.1	41.4	8 800*	53.2	43.5	12 300*	48.2	42.6	10 700*						20.0																														
21.0																																		42.6	41.5	9 400*	48.2	42.6	10 700*	42.6	41.5	9 400*						21.0															
22.0																																																	36.3	40.2	8 400*	50.9	42.2	11 600*									
23.0																																																														45.6	41.2
24.0				24.3	36.5	7 000*												24.0																																													
25.0																			24.3	36.5	7 000*												25.0																														
26.0																																		24.3	36.5	7 000*												26.0															
27.0																																																	24.3	36.5	7 000*												



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	65.9	43.7	16 200*	71.5	44.1	21 400* ^b												9.1	
10.0	61.3	43.2	13 800*	67.0	43.7	17 600*												10.0	
11.0	55.5	42.5	11 200*	61.6	43.2	13 600*												11.0	
12.0	49.3	41.6	9 400*	55.9	42.5	11 200*												12.0	
13.0	42.3	40.6	8 100*	49.7	41.6	9 500*	59.3	42.7	12 900*									13.0	
14.0	34.0	39.1	7 100*	42.7	40.6	8 200*	53.4	42.0	10 500*	62.5	42.8	14 400*						14.0	
15.0	23.0	37.0	6 200*	34.6	39.2	7 100*	46.9	41.0	9 000*	56.8	42.1	11 800*						15.0	
16.0							39.5	39.8	7 700*	50.7	41.3	9 800*						16.0	
17.0										43.9	40.3	8 400*	60.2	41.9	13 200*			17.0	
18.0										36.0	39.0	7 300*	54.3	41.2	11 000*			18.0	
19.0													48.0	40.3	9 200*			19.0	
20.0													40.8	39.1	8 000*			20.0	
21.0													32.1	37.6	6 900*			21.0	
22.0																44.6	38.9	8 700*	22.0
23.0																36.9	37.6	7 500*	23.0
24.0																27.0	35.8	6 500*	24.0

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	71.1	47.0	22 600*																9.1
10.0	67.6	46.7	19 100*																10.0
11.0	63.3	46.1	15 400*	67.8	46.6	19 300*													11.0
12.0	58.9	45.5	13 000*	63.6	46.1	15 800*													12.0
13.0	54.2	44.8	11 200*	59.2	45.5	13 100*	66.1	46.2	17 900*										13.0
14.0	49.2	43.9	9 800*	54.5	44.8	11 300*	61.8	45.7	14 600*										14.0
15.0	43.8	42.9	8 500*	49.5	43.9	9 900*	57.3	45.0	12 400*										15.0
16.0	37.6	41.6	7 600*	44.1	42.9	8 700*	52.5	44.3	10 700*	59.9	45.1	13 800*							16.0
17.0	30.4	40.0	6 700*	38.0	41.7	7 700*	47.3	43.3	9 400*	55.3	44.4	11 700*							17.0
18.0	20.8	37.7	6 000*	30.9	40.1	6 800*	41.7	42.2	8 200*	50.3	43.6	10 100*							18.0
19.0							35.2	40.9	7 300*	45.0	42.6	8 900*	58.0	44.2	13 000*				19.0
20.0										39.1	41.4	7 800*	53.2	43.5	11 000*				20.0
21.0										32.1	39.9	7 000*	48.2	42.6	9 600*				21.0
22.0													42.6	41.5	8 400*				22.0
23.0													36.3	40.2	7 500*	50.9	42.2	10 400*	23.0
24.0													28.8	38.5	6 600*	45.6	41.2	9 100*	24.0
25.0																39.7	40.1	8 000*	25.0
26.0																32.9	38.6	7 100*	26.0
27.0																24.3	36.5	6 300*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
9.1	74.4	50.2	26 300*															9.1	
10.0	71.5	50.0	23 200*															10.0	
11.0	68.1	49.5	19 700*	71.7	49.9	24 400*												11.0	
12.0	64.6	49.1	16 600*	68.3	49.5	20 100*												12.0	
13.0	61.0	48.5	14 200*	64.9	49.0	16 700*												13.0	
14.0	57.3	47.9	12 400*	61.2	48.5	14 400*	66.9	49.1	18 700*									14.0	
15.0	53.3	47.1	10 900*	57.5	47.8	12 600*	63.4	48.6	15 900*									15.0	
16.0	49.2	46.2	9 700*	53.6	47.1	11 000*	59.7	48.0	13 600*									16.0	
17.0	44.7	45.2	8 700*	49.4	46.2	9 800*	55.9	47.3	12 000*	61.8	48.1	14 900*						17.0	
18.0	39.8	44.1	7 800*	45.0	45.2	8 700*	51.9	46.6	10 500*	58.1	47.5	13 000*						18.0	
19.0	34.3	42.6	7 000*	40.1	44.1	7 800*	47.6	45.6	9 400*	54.2	46.7	11 300*						19.0	
20.0	27.8	40.8	6 300*	34.7	42.7	7 100*	43.0	44.6	8 400*	50.1	45.9	10 100*	60.3	47.2	14 100*			20.0	
21.0	19.2	38.3	5 700*	28.3	40.9	6 400*	38.0	43.3	7 500*	45.7	44.9	8 900*	56.5	46.5	12 300*			21.0	
22.0							32.2	41.8	6 800*	40.9	43.8	8 000*	52.5	45.8	10 800*			22.0	
23.0										35.6	42.4	7 200*	48.3	44.9	9 600*			23.0	
24.0										29.4	40.7	6 500*	43.8	43.9	8 600*			24.0	
25.0													38.8	42.6	7 700*	50.5	44.5	10 300*	25.0
26.0													33.1	41.1	7 000*	46.2	43.6	9 200*	26.0
27.0													26.4	39.2	6 300*	41.4	42.4	8 200*	27.0
28.0																36.2	41.1	7 400*	28.0
29.0																30.1	39.4	6 600*	29.0
30.0																22.4	37.2	6 000*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.4	53.0	26 300*																10.7
11.0	71.4	52.8	25 200*																11.0
12.0	68.5	52.4	21 700*																12.0
13.0	65.6	52.0	18 700*	68.7	52.4	22 200*													13.0
14.0	62.5	51.4	16 300*	65.7	51.9	18 900*													14.0
15.0	59.4	50.8	14 400*	62.7	51.4	16 400*													15.0
16.0	56.1	50.2	12 700*	59.6	50.8	14 500*	64.5	51.5	18 000*										16.0
17.0	52.7	49.4	11 400*	56.3	50.1	12 900*	61.4	51.0	15 700*	66.2	51.5	19 500*							17.0
18.0	49.1	48.5	10 300*	52.9	49.4	11 500*	58.2	50.4	13 800*	63.2	51.0	17 000*							18.0
19.0	45.4	47.6	9 300*	49.4	48.5	10 300*	54.9	49.6	12 300*	60.1	50.4	14 900*							19.0
20.0	41.3	46.4	8 400*	45.6	47.5	9 400*	51.5	48.8	11 100*	56.8	49.8	13 200*							20.0
21.0	36.8	45.1	7 700*	41.6	46.4	8 500*	47.8	47.9	10 000*	53.5	49.0	11 800*							21.0
22.0	31.8	43.6	7 000*	37.1	45.1	7 700*	44.0	46.9	9 000*	49.9	48.2	10 600*	58.7	49.5	14 300*				22.0
23.0	25.9	41.6	6 400*	32.2	43.6	7 000*	39.8	45.7	8 200*	46.2	47.3	9 600*	55.4	48.9	12 700*				23.0
24.0	18.1	38.9	5 900*	26.3	41.7	6 400*	35.1	44.3	7 500*	42.2	46.2	8 700*	52.0	48.1	11 400*				24.0
25.0							29.9	42.7	6 800*	37.9	44.9	7 900*	48.4	47.2	10 200*				25.0
26.0										33.0	43.4	7 200*	44.6	46.2	9 300*	53.8	47.6	12 100*	26.0
27.0										27.3	41.5	6 600*	40.4	45.0	8 400*	50.3	46.8	10 900*	27.0
28.0													35.9	43.7	7 700*	46.6	45.9	9 800*	28.0
29.0													30.7	42.0	7 000*	42.6	44.8	8 900*	29.0
30.0													24.6	40.0	6 400*	38.3	43.5	8 100*	30.0
31.0																33.5	42.1	7 400*	31.0
32.0																27.9	40.3	6 700*	32.0
33.0																20.9	37.9	6 100*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 300*															10.7	
11.0	73.9	56.1	26 100*															11.0	
12.0	71.4	55.7	25 400*															12.0	
13.0	68.8	55.3	23 200*	71.5	55.7	24 900*												13.0	
14.0	66.2	54.9	19 700*	69.0	55.3	23 000*												14.0	
15.0	63.6	54.4	17 500*	66.4	54.8	20 200*												15.0	
16.0	60.9	53.8	15 600*	63.8	54.3	17 600*	67.9	54.9	21 800*									16.0	
17.0	58.1	53.2	14 000*	61.1	53.8	15 800*	65.3	54.4	19 000*									17.0	
18.0	55.2	52.5	12 600*	58.3	53.1	14 100*	62.7	53.9	16 900*									18.0	
19.0	52.2	51.7	11 500*	55.4	52.5	12 800*	59.9	53.3	15 100*	64.2	53.9	18 200*						19.0	
20.0	49.1	50.8	10 500*	52.4	51.7	11 600*	57.1	52.7	13 600*	61.5	53.4	16 200*						20.0	
21.0	45.8	49.9	9 600*	49.3	50.8	10 600*	54.2	52.0	12 300*	58.7	52.8	14 500*						21.0	
22.0	42.4	48.8	8 800*	46.0	49.9	9 700*	51.2	51.1	11 200*	55.9	52.1	13 100*						22.0	
23.0	38.6	47.6	8 100*	42.6	48.8	8 900*	48.0	50.2	10 300*	52.9	51.3	11 900*	60.4	52.5	15 500*			23.0	
24.0	34.5	46.1	7 400*	38.8	47.6	8 100*	44.6	49.2	9 400*	49.8	50.5	10 800*	57.5	51.9	14 000*			24.0	
25.0	29.8	44.4	6 900*	34.7	46.1	7 500*	41.1	48.1	8 600*	46.6	49.6	9 900*	54.7	51.2	12 600*			25.0	
26.0	24.4	42.3	6 300*	30.1	44.5	6 900*	37.2	46.8	7 900*	43.1	48.5	9 100*	51.6	50.4	11 500*			26.0	
27.0	17.2	39.5	5 900*	24.7	42.4	6 400*	32.9	45.3	7 300*	39.4	47.3	8 400*	48.5	49.5	10 500*			27.0	
28.0							28.0	43.5	6 700*	35.4	45.9	7 700*	45.2	48.5	9 600*	53.2	49.9	12 200*	
29.0										30.9	44.3	7 100*	41.6	47.4	8 800*	50.1	49.1	11 100*	
30.0										25.7	42.3	6 500*	37.8	46.1	8 100*	46.9	48.2	10 100*	
31.0													33.6	44.6	7 500*	43.5	47.1	9 300*	
32.0													28.8	42.9	6 900*	39.8	45.9	8 500*	
33.0													23.1	40.7	6 400*	35.8	44.6	7 900*	
34.0																31.4	43.0	7 200*	
35.0																26.3	41.0	6 700*	
36.0																19.8	38.5	6 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
12.2	73.1	58.9	26 300*																12.2
13.0	71.3	58.6	26 000*																13.0
14.0	69.1	58.2	25 300*	71.4	58.5	25 900*													14.0
15.0	66.8	57.8	22 600*	69.2	58.1	24 800*													15.0
16.0	64.4	57.3	20 100*	66.9	57.7	23 000*													16.0
17.0	62.1	56.7	18 100*	64.6	57.2	20 300*	68.2	57.8	24 300*										17.0
18.0	59.6	56.2	16 400*	62.2	56.7	18 300*	65.9	57.3	21 800*										18.0
19.0	57.1	55.5	14 900*	59.8	56.1	16 600*	63.6	56.8	19 500*										19.0
20.0	54.6	54.8	13 600*	57.3	55.5	15 100*	61.2	56.3	17 600*	65.0	56.9	20 800*							20.0
21.0	51.9	54.0	12 500*	54.7	54.8	13 800*	58.8	55.7	16 000*	62.6	56.3	18 800*							21.0
22.0	49.1	53.1	11 500*	52.0	54.0	12 600*	56.2	55.0	14 600*	60.2	55.8	16 900*							22.0
23.0	46.2	52.2	10 600*	49.3	53.1	11 600*	53.6	54.3	13 300*	57.7	55.1	15 400*							23.0
24.0	43.2	51.1	9 800*	46.4	52.2	10 700*	50.9	53.4	12 300*	55.1	54.4	14 100*							24.0
25.0	39.9	49.9	9 000*	43.3	51.1	9 900*	48.1	52.6	11 300*	52.5	53.7	12 900*	59.1	54.9	16 400*				25.0
26.0	36.4	48.6	8 400*	40.1	49.9	9 100*	45.1	51.6	10 400*	49.7	52.8	11 900*	56.6	54.2	14 900*				26.0
27.0	32.6	47.1	7 800*	36.6	48.6	8 500*	42.0	50.5	9 700*	46.9	51.9	11 000*	54.0	53.5	13 700*				27.0
28.0	28.2	45.3	7 300*	32.8	47.1	7 900*	38.7	49.2	8 900*	43.8	50.8	10 100*	51.3	52.7	12 600*				28.0
29.0	23.1	43.1	6 800*	28.5	45.3	7 300*	35.1	47.8	8 300*	40.6	49.7	9 400*	48.5	51.8	11 600*	55.4	53.0	14 400*	29.0
30.0	16.5	40.1	6 300*	23.5	43.1	6 800*	31.1	46.2	7 700*	37.2	48.4	8 700*	45.6	50.8	10 700*	52.7	52.2	13 200*	30.0
31.0							26.5	44.3	7 200*	33.4	46.9	8 100*	42.5	49.7	9 900*	50.0	51.4	12 200*	31.0
32.0							21.1	41.9	6 700*	29.2	45.2	7 500*	39.2	48.5	9 200*	47.2	50.5	11 200*	32.0
33.0										24.4	43.1	7 000*	35.7	47.1	8 500*	44.2	49.5	10 400*	33.0
34.0													31.7	45.6	7 900*	41.0	48.3	9 600*	34.0
35.0													27.3	43.7	7 400*	37.6	47.0	8 900*	35.0
36.0													22.0	41.4	6 900*	33.8	45.6	8 300*	36.0
37.0																29.7	43.9	7 700*	37.0
38.0																24.9	41.8	7 200*	38.0
39.0																18.9	39.1	6 700*	39.0



999 SERIES 3

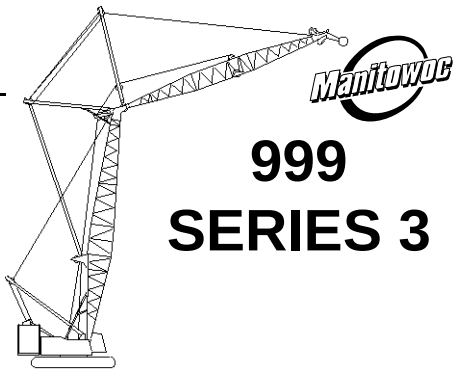
Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 300*															10.7	
11.0	73.9	56.1	25 700*															11.0	
12.0	71.4	55.7	23 800*															12.0	
13.0	68.8	55.3	21 200*	71.5	55.7	24 000*												13.0	
14.0	66.2	54.9	18 300*	69.0	55.3	21 100*												14.0	
15.0	63.6	54.4	16 100*	66.4	54.8	18 500*												15.0	
16.0	60.9	53.8	14 400*	63.8	54.3	16 300*	67.9	54.9	20 100*									16.0	
17.0	58.1	53.2	13 000*	61.1	53.8	14 600*	65.3	54.4	17 600*									17.0	
18.0	55.2	52.5	11 700*	58.3	53.1	13 100*	62.7	53.9	15 600*									18.0	
19.0	52.2	51.7	10 600*	55.4	52.5	11 800*	59.9	53.3	14 000*	64.2	53.9	16 800*						19.0	
20.0	49.1	50.8	9 700*	52.4	51.7	10 700*	57.1	52.7	12 600*	61.5	53.4	14 900*						20.0	
21.0	45.8	49.9	8 800*	49.3	50.8	9 700*	54.2	52.0	11 400*	58.7	52.8	13 400*						21.0	
22.0	42.4	48.8	8 100*	46.0	49.9	8 900*	51.2	51.1	10 300*	55.9	52.1	12 100*						22.0	
23.0	38.6	47.6	7 400*	42.6	48.8	8 200*	48.0	50.2	9 400*	52.9	51.3	11 000*	60.4	52.5	14 300*			23.0	
24.0	34.5	46.1	6 800*	38.8	47.6	7 500*	44.6	49.2	8 600*	49.8	50.5	10 000*	57.5	51.9	12 900*			24.0	
25.0	29.8	44.4	6 300*	34.7	46.1	6 900*	41.1	48.1	7 900*	46.6	49.6	9 100*	54.7	51.2	11 700*			25.0	
26.0	24.4	42.3	5 800*	30.1	44.5	6 300*	37.2	46.8	7 300*	43.1	48.5	8 400*	51.6	50.4	10 600*			26.0	
27.0	17.2	39.5	5 400*	24.7	42.4	5 900*	32.9	45.3	6 700*	39.4	47.3	7 700*	48.5	49.5	9 700*			27.0	
28.0							28.0	43.5	6 200*	35.4	45.9	7 100*	45.2	48.5	8 900*	53.2	49.9	11 200*	
29.0										30.9	44.3	6 500*	41.6	47.4	8 100*	50.1	49.1	10 200*	
30.0										25.7	42.3	6 000*	37.8	46.1	7 500*	46.9	48.2	9 300*	
31.0													33.6	44.6	6 900*	43.5	47.1	8 600*	
32.0													28.8	42.9	6 300*	39.8	45.9	7 900*	
33.0													23.1	40.7	5 900*	35.8	44.6	7 200*	
34.0																31.4	43.0	6 700*	
35.0																26.3	41.0	6 200*	
36.0																19.8	38.5	5 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

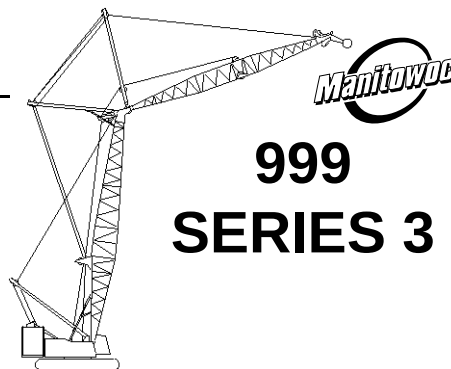
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
12.2	73.1	58.9	26 300*															12.2	
13.0	71.3	58.6	25 100*															13.0	
14.0	69.1	58.2	23 500*	71.4	58.5	25 600*												14.0	
15.0	66.8	57.8	20 800*	69.2	58.1	23 300*												15.0	
16.0	64.4	57.3	18 400*	66.9	57.7	20 900*												16.0	
17.0	62.1	56.7	16 500*	64.6	57.2	18 600*	68.2	57.8	22 400*									17.0	
18.0	59.6	56.2	15 000*	62.2	56.7	16 700*	65.9	57.3	20 000*									18.0	
19.0	57.1	55.5	13 600*	59.8	56.1	15 100*	63.6	56.8	17 800*									19.0	
20.0	54.6	54.8	12 400*	57.3	55.5	13 800*	61.2	56.3	16 100*	65.0	56.9	19 100*						20.0	
21.0	51.9	54.0	11 400*	54.7	54.8	12 600*	58.8	55.7	14 600*	62.6	56.3	17 200*						21.0	
22.0	49.1	53.1	10 500*	52.0	54.0	11 500*	56.2	55.0	13 300*	60.2	55.8	15 500*						22.0	
23.0	46.2	52.2	9 600*	49.3	53.1	10 600*	53.6	54.3	12 200*	57.7	55.1	14 100*						23.0	
24.0	43.2	51.1	8 900*	46.4	52.2	9 800*	50.9	53.4	11 200*	55.1	54.4	12 900*						24.0	
25.0	39.9	49.9	8 300*	43.3	51.1	9 000*	48.1	52.6	10 300*	52.5	53.7	11 800*	59.1	54.9	15 000*			25.0	
26.0	36.4	48.6	7 700*	40.1	49.9	8 300*	45.1	51.6	9 500*	49.7	52.8	10 900*	56.6	54.2	13 700*			26.0	
27.0	32.6	47.1	7 100*	36.6	48.6	7 700*	42.0	50.5	8 800*	46.9	51.9	10 000*	54.0	53.5	12 500*			27.0	
28.0	28.2	45.3	6 600*	32.8	47.1	7 200*	38.7	49.2	8 100*	43.8	50.8	9 200*	51.3	52.7	11 500*			28.0	
29.0	23.1	43.1	6 100*	28.5	45.3	6 600*	35.1	47.8	7 500*	40.6	49.7	8 600*	48.5	51.8	10 600*	55.4	53.0	13 100*	29.0
30.0	16.5	40.1	5 700*	23.5	43.1	6 200*	31.1	46.2	7 000*	37.2	48.4	8 000*	45.6	50.8	9 800*	52.7	52.2	12 100*	30.0
31.0							26.5	44.3	6 500*	33.4	46.9	7 400*	42.5	49.7	9 100*	50.0	51.4	11 100*	31.0
32.0							21.1	41.9	6 100*	29.2	45.2	6 800*	39.2	48.5	8 400*	47.2	50.5	10 200*	32.0
33.0										24.4	43.1	6 400*	35.7	47.1	7 800*	44.2	49.5	9 500*	33.0
34.0													31.7	45.6	7 200*	41.0	48.3	8 800*	34.0
35.0													27.3	43.7	6 700*	37.6	47.0	8 100*	35.0
36.0													22.0	41.4	6 300*	33.8	45.6	7 600*	36.0
37.0																29.7	43.9	7 000*	37.0
38.0																24.9	41.8	6 600*	38.0
39.0																18.9	39.1	6 100*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

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

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 300*															10.7	
11.0	73.9	56.1	25 300*															11.0	
12.0	71.4	55.7	22 300*															12.0	
13.0	68.8	55.3	19 400*	71.5	55.7	22 800*												13.0	
14.0	66.2	54.9	16 900*	69.0	55.3	19 500*												14.0	
15.0	63.6	54.4	15 000*	66.4	54.8	17 000*												15.0	
16.0	60.9	53.8	13 300*	63.8	54.3	15 100*	67.9	54.9	18 600*									16.0	
17.0	58.1	53.2	11 900*	61.1	53.8	13 500*	65.3	54.4	16 200*									17.0	
18.0	55.2	52.5	10 800*	58.3	53.1	12 100*	62.7	53.9	14 400*									18.0	
19.0	52.2	51.7	9 800*	55.4	52.5	10 900*	59.9	53.3	12 900*	64.2	53.9	15 600*						19.0	
20.0	49.1	50.8	8 900*	52.4	51.7	9 900*	57.1	52.7	11 700*	61.5	53.4	13 800*						20.0	
21.0	45.8	49.9	8 100*	49.3	50.8	9 000*	54.2	52.0	10 500*	58.7	52.8	12 400*						21.0	
22.0	42.4	48.8	7 400*	46.0	49.9	8 200*	51.2	51.1	9 600*	55.9	52.1	11 200*						22.0	
23.0	38.6	47.6	6 800*	42.6	48.8	7 500*	48.0	50.2	8 700*	52.9	51.3	10 200*	60.4	52.5	13 300*			23.0	
24.0	34.5	46.1	6 300*	38.8	47.6	6 900*	44.6	49.2	8 000*	49.8	50.5	9 200*	57.5	51.9	12 000*			24.0	
25.0	29.8	44.4	5 800*	34.7	46.1	6 300*	41.1	48.1	7 300*	46.6	49.6	8 400*	54.7	51.2	10 800*			25.0	
26.0	24.4	42.3	5 400*	30.1	44.5	5 800*	37.2	46.8	6 700*	43.1	48.5	7 700*	51.6	50.4	9 800*			26.0	
27.0	17.2	39.5	5 000*	24.7	42.4	5 400*	32.9	45.3	6 200*	39.4	47.3	7 100*	48.5	49.5	8 900*			27.0	
28.0							28.0	43.5	5 700*	35.4	45.9	6 500*	45.2	48.5	8 200*	53.2	49.9	10 400*	28.0
29.0										30.9	44.3	6 000*	41.6	47.4	7 500*	50.1	49.1	9 400*	29.0
30.0										25.7	42.3	5 500*	37.8	46.1	6 900*	46.9	48.2	8 600*	30.0
31.0													33.6	44.6	6 300*	43.5	47.1	7 900*	31.0
32.0													28.8	42.9	5 800*	39.8	45.9	7 300*	32.0
33.0													23.1	40.7	5 400*	35.8	44.6	6 700*	33.0
34.0																31.4	43.0	6 200*	34.0
35.0																26.3	41.0	5 700*	35.0
36.0																19.8	38.5	5 300*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
12.2	73.1	58.9	26 300*															12.2	
13.0	71.3	58.6	24 100*															13.0	
14.0	69.1	58.2	21 500*	71.4	58.5	24 700*												14.0	
15.0	66.8	57.8	19 000*	69.2	58.1	21 700*												15.0	
16.0	64.4	57.3	16 900*	66.9	57.7	19 100*												16.0	
17.0	62.1	56.7	15 200*	64.6	57.2	17 100*	68.2	57.8	20 600*									17.0	
18.0	59.6	56.2	13 800*	62.2	56.7	15 400*	65.9	57.3	18 400*									18.0	
19.0	57.1	55.5	12 500*	59.8	56.1	13 900*	63.6	56.8	16 400*									19.0	
20.0	54.6	54.8	11 400*	57.3	55.5	12 600*	61.2	56.3	14 800*	65.0	56.9	17 500*						20.0	
21.0	51.9	54.0	10 400*	54.7	54.8	11 500*	58.8	55.7	13 400*	62.6	56.3	15 800*						21.0	
22.0	49.1	53.1	9 600*	52.0	54.0	10 600*	56.2	55.0	12 200*	60.2	55.8	14 300*						22.0	
23.0	46.2	52.2	8 800*	49.3	53.1	9 700*	53.6	54.3	11 200*	57.7	55.1	13 000*						23.0	
24.0	43.2	51.1	8 100*	46.4	52.2	8 900*	50.9	53.4	10 300*	55.1	54.4	11 900*						24.0	
25.0	39.9	49.9	7 500*	43.3	51.1	8 200*	48.1	52.6	9 500*	52.5	53.7	10 900*	59.1	54.9	13 900*			25.0	
26.0	36.4	48.6	7 000*	40.1	49.9	7 600*	45.1	51.6	8 700*	49.7	52.8	10 000*	56.6	54.2	12 600*			26.0	
27.0	32.6	47.1	6 500*	36.6	48.6	7 100*	42.0	50.5	8 100*	46.9	51.9	9 200*	54.0	53.5	11 500*			27.0	
28.0	28.2	45.3	6 000*	32.8	47.1	6 600*	38.7	49.2	7 500*	43.8	50.8	8 500*	51.3	52.7	10 600*			28.0	
29.0	23.1	43.1	5 600*	28.5	45.3	6 100*	35.1	47.8	6 900*	40.6	49.7	7 900*	48.5	51.8	9 700*	55.4	53.0	12 100*	29.0
30.0	16.5	40.1	5 200*	23.5	43.1	5 700*	31.1	46.2	6 400*	37.2	48.4	7 300*	45.6	50.8	9 000*	52.7	52.2	11 100*	30.0
31.0							26.5	44.3	6 000*	33.4	46.9	6 800*	42.5	49.7	8 300*	50.0	51.4	10 200*	31.0
32.0							21.1	41.9	5 500*	29.2	45.2	6 300*	39.2	48.5	7 700*	47.2	50.5	9 400*	32.0
33.0										24.4	43.1	5 800*	35.7	47.1	7 100*	44.2	49.5	8 700*	33.0
34.0													31.7	45.6	6 600*	41.0	48.3	8 100*	34.0
35.0													27.3	43.7	6 100*	37.6	47.0	7 500*	35.0
36.0													22.0	41.4	5 700*	33.8	45.6	6 900*	36.0
37.0																29.7	43.9	6 500*	37.0
38.0																24.9	41.8	6 000*	38.0
39.0																18.9	39.1	5 600*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.8	62.1	26 300*																12.2
13.0	73.3	61.8	25 500*																13.0
14.0	71.3	61.5	24 300*	73.4	61.8	25 800*													14.0
15.0	69.2	61.1	22 000*	71.4	61.4	24 100*													15.0
16.0	67.2	60.7	19 800*	69.4	61.0	22 100*													16.0
17.0	65.1	60.2	17 900*	67.3	60.6	20 000*	70.5	61.1	23 300*										17.0
18.0	63.0	59.7	16 200*	65.2	60.1	18 100*	68.5	60.7	21 200*										18.0
19.0	60.8	59.1	14 800*	63.1	59.6	16 400*	66.5	60.2	19 200*										19.0
20.0	58.6	58.5	13 500*	61.0	59.1	14 900*	64.4	59.7	17 400*	67.6	60.2	20 300*							20.0
21.0	56.3	57.8	12 400*	58.7	58.5	13 600*	62.2	59.2	15 800*	65.6	59.8	18 400*							21.0
22.0	54.0	57.1	11 400*	56.5	57.8	12 500*	60.0	58.6	14 400*	63.5	59.3	16 700*							22.0
23.0	51.6	56.3	10 500*	54.1	57.1	11 600*	57.8	58.0	13 300*	61.3	58.7	15 300*							23.0
24.0	49.1	55.4	9 800*	51.7	56.3	10 700*	55.5	57.3	12 200*	59.1	58.1	14 000*							24.0
25.0	46.5	54.5	9 000*	49.3	55.4	9 900*	53.2	56.6	11 300*	56.8	57.4	12 900*							25.0
26.0	43.8	53.5	8 400*	46.7	54.5	9 100*	50.7	55.7	10 400*	54.5	56.7	11 900*	60.4	57.8	14 800*				26.0
27.0	40.9	52.3	7 800*	44.0	53.4	8 500*	48.2	54.9	9 600*	52.1	56.0	11 000*	58.2	57.2	13 600*				27.0
28.0	37.9	51.0	7 300*	41.1	52.3	7 900*	45.6	53.9	9 000*	49.7	55.1	10 100*	55.9	56.5	12 500*				28.0
29.0	34.6	49.6	6 800*	38.1	51.0	7 400*	42.8	52.8	8 300*	47.1	54.2	9 400*	53.5	55.8	11 600*				29.0
30.0	31.0	48.0	6 300*	34.8	49.6	6 900*	39.9	51.6	7 700*	44.4	53.2	8 700*	51.1	55.0	10 700*				30.0
31.0	26.9	46.1	5 900*	31.2	48.0	6 400*	36.7	50.3	7 200*	41.6	52.0	8 100*	48.6	54.1	9 900*	54.8	55.3	12 100*	31.0
32.0	22.1	43.8	5 500*	27.2	46.1	5 900*	33.3	48.8	6 700*	38.5	50.8	7 600*	46.0	53.1	9 200*	52.4	54.5	11 200*	32.0
33.0	16.0	40.6	4 800*	22.4	43.8	5 600*	29.6	47.1	6 300*	35.3	49.4	7 100*	43.2	52.1	8 600*	49.9	53.7	10 400*	33.0
34.0							25.3	45.0	5 900*	31.8	47.8	6 600*	40.3	50.9	8 000*	47.3	52.8	9 600*	34.0
35.0							20.2	42.5	5 500*	27.8	46.0	6 100*	37.2	49.6	7 500*	44.7	51.8	9 000*	35.0
36.0										23.3	43.8	5 700*	33.9	48.1	7 000*	41.8	50.7	8 400*	36.0
37.0													30.2	46.5	6 500*	38.9	49.4	7 800	37.0
38.0													26.0	44.5	6 100*	35.6	48.1	7 200	38.0
39.0													21.1	42.1	5 700*	32.2	46.5	6 500	39.0
40.0																28.3	44.7	5 800	40.0
42.0																18.2	39.7	4 500	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
13.7	73.5	64.8	24 100*															13.7	
14.0	73.0	64.7	23 500*															14.0	
15.0	71.2	64.3	21 200*															15.0	
16.0	69.4	64.0	19 200*	71.3	64.3	21 400*												16.0	
17.0	67.5	63.5	17 500*	69.5	63.9	19 300*												17.0	
18.0	65.6	63.1	16 100*	67.6	63.5	17 600*												18.0	
19.0	63.7	62.6	14 800*	65.8	63.0	16 100*	68.7	63.6	18 700*									19.0	
20.0	61.8	62.1	13 600*	63.8	62.5	14 900*	66.9	63.1	17 000*									20.0	
21.0	59.8	61.5	12 600*	61.9	62.0	13 700*	65.0	62.7	15 600*									21.0	
22.0	57.8	60.8	11 700*	59.9	61.4	12 700*	63.0	62.1	14 400*	66.1	62.7	16 400*						22.0	
23.0	55.7	60.2	10 800*	57.9	60.8	11 800*	61.1	61.6	13 300*	64.1	62.2	15 100*						23.0	
24.0	53.6	59.4	10 000*	55.8	60.1	10 900*	59.1	61.0	12 300*	62.2	61.6	13 900*						24.0	
25.0	51.4	58.6	9 200*	53.7	59.4	10 100*	57.0	60.3	11 400*	60.2	61.1	12 800*						25.0	
26.0	49.1	57.7	8 500*	51.5	58.6	9 300*	54.9	59.6	10 600*	58.2	60.4	11 900*						26.0	
27.0	46.7	56.8	7 800*	49.2	57.7	8 600*	52.8	58.9	9 800*	56.1	59.8	11 000*						27.0	
28.0	44.3	55.8	7 200*	46.9	56.8	7 900*	50.6	58.0	9 100*	54.0	59.0	10 300*	59.4	60.2	12 400*			28.0	
29.0	41.7	54.7	6 700*	44.4	55.8	7 300*	48.3	57.2	8 400*	51.8	58.3	9 600*	57.4	59.5	11 500*			29.0	
30.0	39.0	53.4	6 200*	41.9	54.7	6 800*	45.9	56.2	7 800*	49.6	57.4	8 900*	55.3	58.8	10 700*			30.0	
31.0	36.1	52.1	5 700*	39.2	53.4	6 300*	43.4	55.1	7 200*	47.3	56.5	8 200*	53.1	58.1	10 000*			31.0	
32.0	33.0	50.6	5 300*	36.3	52.1	5 800*	40.8	54.0	6 600*	44.8	55.5	7 600*	50.9	57.3	9 300*	56.4	58.3	11 100*	32.0
33.0	29.6	48.9	4 900*	33.2	50.6	5 400*	38.0	52.7	6 100*	42.3	54.4	7 000*	48.6	56.4	8 700*	54.2	57.6	10 400*	33.0
34.0	25.8	46.9	4 500*	29.8	48.9	5 000*	35.0	51.3	5 700*	39.6	53.2	6 500*	46.3	55.4	8 000*	52.1	56.8	9 700*	34.0
35.0	21.3	44.4	4 200*	26.0	46.9	4 600*	31.8	49.7	5 300*	36.8	51.9	6 000*	43.8	54.4	7 400*	49.8	56.0	9 000*	35.0
36.0	15.5	41.2	3 200*	21.6	44.5	4 300*	28.3	47.9	4 900*	33.7	50.4	5 600*	41.2	53.3	6 900*	47.5	55.1	8 400*	36.0
37.0							24.3	45.8	4 500*	30.4	48.7	5 200*	38.5	52.0	6 400*	45.1	54.1	7 800	37.0
38.0							19.4	43.2	4 200*	26.7	46.8	4 800*	35.5	50.6	5 900*	42.6	53.0	7 100	38.0
39.0										22.3	44.5	4 400*	32.4	49.1	5 500*	39.9	51.8	6 500	39.0
40.0													28.9	47.3	5 100*	37.1	50.5	5 800	40.0
42.0													20.3	42.7	4 400*	30.7	47.4	4 700	42.0
44.0																22.8	43.2	3 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.0	68.0	26 200*															13.7	
14.0	74.5	67.9	25 500*															14.0	
15.0	72.9	67.6	23 100*															15.0	
16.0	71.2	67.2	21 100*															16.0	
17.0	69.5	66.8	19 300*	71.3	67.2	21 300*												17.0	
18.0	67.8	66.4	17 800*	69.6	66.8	19 500*												18.0	
19.0	66.1	66.0	16 400*	67.9	66.4	17 900*												19.0	
20.0	64.3	65.5	15 200*	66.2	65.9	16 500*	68.9	66.4	18 800*									20.0	
21.0	62.6	65.0	14 100*	64.5	65.5	15 300*	67.2	66.0	17 300*									21.0	
22.0	60.8	64.4	13 100*	62.7	64.9	14 200*	65.5	65.6	16 000*									22.0	
23.0	58.9	63.8	12 300*	60.9	64.4	13 200*	63.7	65.1	14 900*	66.5	65.6	16 700*						23.0	
24.0	57.1	63.2	11 500*	59.0	63.8	12 300*	61.9	64.5	13 800*	64.7	65.1	15 500*						24.0	
25.0	55.1	62.5	10 700*	57.2	63.1	11 500*	60.1	63.9	12 900*	63.0	64.6	14 400*						25.0	
26.0	53.2	61.7	10 000*	55.3	62.4	10 800*	58.3	63.3	12 000*	61.2	64.0	13 400*						26.0	
27.0	51.2	60.9	9 400*	53.3	61.7	10 100*	56.4	62.7	11 200*	59.3	63.4	12 500*						27.0	
28.0	49.1	60.0	8 700*	51.3	60.9	9 500*	54.5	61.9	10 500*	57.5	62.8	11 700*						28.0	
29.0	46.9	59.1	8 100*	49.2	60.0	8 900*	52.5	61.2	9 900*	55.6	62.1	10 900*	60.4	63.1	13 000*			29.0	
30.0	44.7	58.1	7 500*	47.1	59.1	8 200*	50.4	60.3	9 200*	53.6	61.3	10 200*	58.6	62.5	12 100*			30.0	
31.0	42.4	57.0	7 000*	44.8	58.1	7 600*	48.3	59.5	8 700*	51.6	60.6	9 600*	56.7	61.9	11 400*			31.0	
32.0	39.9	55.8	6 500*	42.5	57.0	7 100*	46.2	58.5	8 100*	49.5	59.7	9 000*	54.8	61.2	10 700*			32.0	
33.0	37.4	54.5	6 100*	40.1	55.8	6 600*	43.9	57.5	7 500*	47.4	58.8	8 500*	52.8	60.4	10 000*			33.0	
34.0	34.6	53.1	5 700*	37.5	54.5	6 200*	41.5	56.3	7 000*	45.2	57.8	8 000*	50.8	59.6	9 400*	55.8	60.7	10 100	
35.0	31.7	51.5	5 300*	34.8	53.1	5 800*	39.0	55.1	6 600*	42.9	56.7	7 400*	48.7	58.7	8 800*	53.8	59.9	9 300	
36.0	28.4	49.7	4 900*	31.9	51.5	5 400*	36.4	53.8	6 100*	40.5	55.6	6 900*	46.5	57.7	8 300*	51.8	59.1	8 500	
37.0	24.8	47.6	4 600*	28.6	49.7	5 000*	33.6	52.3	5 700*	37.9	54.3	6 400*	44.2	56.7	7 800*	49.8	58.3	7 800	
38.0	20.5	45.1	4 300*	25.0	47.7	4 700*	30.6	50.6	5 300*	35.2	52.9	6 000*	41.9	55.6	7 300*	47.6	57.4	7 200	
39.0				20.8	45.2	4 200*	27.2	48.7	5 000*	32.3	51.3	5 600*	39.4	54.4	6 800*	45.4	56.4	6 500	
40.0							23.4	46.5	4 600*	29.2	49.6	5 300*	36.8	53.1	6 400*	43.1	55.3	5 900	
42.0										21.5	45.2	4 400*	31.1	50.0	5 500	38.2	52.9	4 800	
44.0													24.0	46.0	4 500	32.6	50.0	3 800	
46.0																26.0	46.3	2 900	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	73.9	70.7	21 800*																15.2
16.0	72.7	70.4	20 400*																16.0
17.0	71.2	70.1	18 600*	72.8	70.4	20 500*													17.0
18.0	69.6	69.7	17 100*	71.3	70.0	18 800*													18.0
19.0	68.0	69.3	15 700*	69.7	69.7	17 200*													19.0
20.0	66.5	68.9	14 500*	68.1	69.3	15 800*	70.6	69.7	18 100*										20.0
21.0	64.9	68.4	13 400*	66.6	68.8	14 600*	69.1	69.3	16 600*										21.0
22.0	63.2	67.9	12 500*	65.0	68.4	13 500*	67.5	68.9	15 300*										22.0
23.0	61.6	67.4	11 600*	63.3	67.9	12 500*	65.9	68.5	14 100*										23.0
24.0	59.9	66.8	10 800*	61.7	67.3	11 600*	64.3	68.0	13 100*										24.0
25.0	58.2	66.2	10 000*	60.0	66.7	10 800*	62.7	67.4	12 200*	65.2	68.0	13 700*							25.0
26.0	56.5	65.5	9 400*	58.3	66.1	10 100*	61.0	66.9	11 300*	63.6	67.5	12 700*							26.0
27.0	54.7	64.8	8 700*	56.6	65.5	9 400*	59.3	66.3	10 500*	61.9	66.9	11 800*							27.0
28.0	52.9	64.0	8 100*	54.8	64.7	8 800*	57.6	65.7	9 800*	60.3	66.4	11 000*							28.0
29.0	51.0	63.2	7 600*	53.0	64.0	8 200*	55.8	65.0	9 200*	58.6	65.8	10 200*	62.9	66.6	12 300*				29.0
30.0	49.1	62.3	7 100*	51.1	63.2	7 700*	54.0	64.3	8 600*	56.8	65.1	9 500*	61.3	66.1	11 500*				30.0
31.0	47.1	61.4	6 700*	49.2	62.3	7 200*	52.2	63.5	8 000*	55.1	64.4	8 900*	59.6	65.5	10 700*				31.0
32.0	45.0	60.4	6 200*	47.2	61.4	6 700*	50.3	62.6	7 500*	53.3	63.7	8 300*	57.9	64.9	9 900*				32.0
33.0	42.9	59.4	5 800*	45.2	60.4	6 300*	48.4	61.8	7 000*	51.4	62.9	7 800*	56.1	64.2	9 300*				33.0
34.0	40.7	58.2	5 400*	43.1	59.3	5 800*	46.4	60.8	6 500*	49.5	62.0	7 300*	54.3	63.5	8 600*				34.0
35.0	38.4	56.9	5 000*	40.8	58.2	5 500*	44.3	59.8	6 100*	47.5	61.1	6 800*	52.5	62.7	8 100*				35.0
36.0	35.9	55.6	4 700*	38.5	56.9	5 100*	42.2	58.7	5 700*	45.5	60.1	6 300*	50.6	61.9	7 600*	55.3	63.0	8 300	36.0
37.0	33.3	54.1	4 400*	36.1	55.6	4 800*	39.9	57.5	5 300*	43.4	59.1	6 000*	48.7	61.0	7 100*	53.4	62.2	7 600	37.0
38.0	30.5	52.4	4 100*	33.5	54.1	4 500*	37.5	56.2	5 000*	41.2	57.9	5 600*	46.7	60.1	6 600*	51.6	61.4	7 000	38.0
39.0	27.4	50.5	3 700*	30.7	52.4	4 200*	35.0	54.8	4 600*	38.9	56.7	5 200*	44.6	59.0	6 200*	49.7	60.6	6 300	39.0
40.0	23.9	48.4	3 300*	27.6	50.6	3 800*	32.3	53.2	4 300*	36.5	55.3	4 900*	42.5	58.0	5 800*	47.7	59.7	5 800	40.0
42.0				20.2	45.8	2 700*	26.2	49.5	3 600*	31.1	52.3	4 200*	37.9	55.5	5 100*	43.6	57.7	4 700	42.0
44.0							18.2	44.4	2 500*	24.7	48.3	3 400*	32.8	52.6	4 400	39.1	55.3	3 700	44.0
46.0													26.8	49.0	3 500	34.2	52.5	2 700	46.0
48.0													19.0	44.0	2 500*				48.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

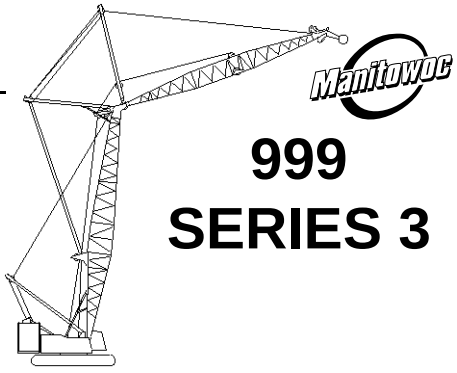
**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall				
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms
10.7	58.1	45.9	17 500* b																10.7			
11.0	56.2	45.6	16 700* b																11.0			
12.0	50.0	44.8	14 100*																12.0			
13.0	43.1	43.7	12 100*																13.0			
14.0	35.0	42.4	10 600*	44.3	43.8	12 400*	55.6	45.3	16 300*										14.0			
15.0	24.4	40.4	9 200*	36.5	42.5	10 800*	49.4	44.4	13 900*	54.0	44.8	16 000* b							15.0			
16.0							42.4	43.3	12 000*										16.0			
17.0							34.2	41.9	10 500*										47.6	43.9	13 400*	17.0
18.0							23.2	39.8	9 200*										40.3	42.7	11 600*	18.0
19.0										31.6	41.2	10 200*	53.0	43.9	15 700*				19.0			
20.0													46.5	43.0	13 200*	51.6	42.8	15 200*	20.0			
21.0													39.1	41.8	11 400*				21.0			
22.0													30.0	40.2	10 000*				22.0			
23.0																			44.9	41.8	12 800*	23.0
24.0																37.2	40.5	11 100*	24.0			

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	58.1	45.9	14 600*	64.6	46.5	18 700*b													10.7
11.0	56.2	45.6	13 900*	62.8	46.3	17 600*b													11.0
12.0	50.0	44.8	11 800*	57.1	45.7	14 400*													12.0
13.0	43.1	43.7	10 000*	51.0	44.9	11 900*	61.4	46.0	16 900*										13.0
14.0	35.0	42.4	8 700*	44.3	43.8	10 300*	55.6	45.3	13 700*										14.0
15.0	24.4	40.4	7 600*	36.5	42.5	8 900*	49.4	44.4	11 500*										15.0
16.0							42.4	43.3	9 900*	54.0	44.8	13 300*							16.0
17.0							34.2	41.9	8 600*	47.6	43.9	11 100*							17.0
18.0							23.2	39.8	7 500*	40.3	42.7	9 600*							18.0
19.0										31.6	41.2	8 300*	53.0	43.9	13 100*				19.0
20.0													46.5	43.0	11 000*				20.0
21.0													39.1	41.8	9 400*				21.0
22.0													30.0	40.2	8 200*	51.6	42.8	12 600*	22.0
23.0																44.9	41.8	10 600*	23.0
24.0																37.2	40.5	9 200*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s	with 21.3m thru 33.5m Luffing Jib	
7 m/s	with 36.6m thru 61.0m Luffing Jib	
5 m/s	with 64.0m thru 73.2m Luffing Jib	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
9.1	66.5	46.8	17 900*																
10.0	61.9	46.3	15 100*																
11.0	56.2	45.6	12 100*																
12.0	50.0	44.8	10 200*																
13.0	43.1	43.7	8 700*																
14.0	35.0	42.4	7 600*	44.3	43.8	9 000*	55.6	45.3	12 000*	65.4	46.1	17 500*							
15.0	24.4	40.4	6 600*	36.5	42.5	7 700*	49.4	44.4	10 100*	59.9	45.5	14 100*							
16.0							42.4	43.3	8 700*	54.0	44.8	11 500*							
17.0							34.2	41.9	7 500*	47.6	43.9	9 800*							
18.0							23.2	39.8	6 500*	40.3	42.7	8 400*							
19.0													53.0	43.9	11 500*				
20.0													46.5	43.0	9 600*				
21.0													39.1	41.8	8 200*				
22.0													30.0	40.2	7 100*				
23.0																			
24.0																			

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m					
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall						
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms		
9.1	71.5	50.1	25 900*																9.1					
10.0	68.0	49.7	21 900*																10.0					
11.0	63.8	49.2	17 500*																68.7	49.7	22 600*	11.0		
12.0	59.4	48.6	14 800*																64.5	49.3	18 400*	12.0		
13.0	54.7	47.9	12 700*																60.1	48.7	15 200*	67.6	49.4	21 700*
14.0	49.8	47.1	11 100*	55.5	48.0	13 100*	63.4	48.9	17 400*										14.0					
15.0	44.4	46.1	9 700*	50.6	47.2	11 400*	59.0	48.3	14 700*										15.0					
16.0	38.3	44.8	8 600*	45.3	46.2	9 900*	54.3	47.6	12 600*										62.2	48.5	17 000*	16.0		
17.0	31.3	43.3	7 600*	39.4	45.0	8 800*	49.3	46.7	11 000*										57.7	47.8	14 200*	17.0		
18.0	22.0	41.0	6 800*	32.5	43.5	7 800*	43.9	45.7	9 700*										53.0	47.1	12 200*	18.0		
19.0							37.8	44.4	8 500*	47.9	46.2	10 600*							19.0					
20.0							30.6	42.8	7 600*	42.3	45.1	9 400*							57.0	47.0	14 000*	20.0		
21.0							21.0	40.5	6 700*	36.0	43.7	8 300*							52.2	46.2	12 100*	21.0		
22.0										28.3	42.0	7 400*							47.0	45.3	10 500*	22.0		
23.0																			41.4	44.2	9 300*	55.9	45.9	13 600*
24.0																		24.0						
25.0																					51.1	45.1	11 800*	24.0
26.0																					45.8	44.1	10 200*	25.0
27.0																					40.0	43.0	9 100*	26.0
																			27.0					



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

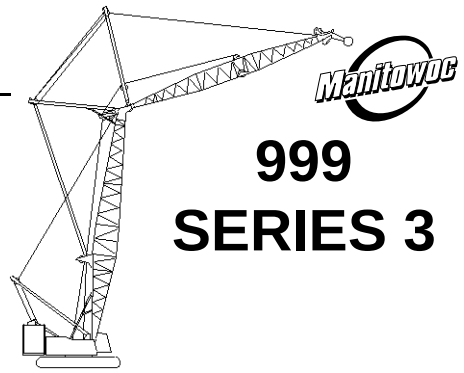
**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	66.5	46.8	16 700*	72.5	47.2	23 000*												9.1	
10.0	61.9	46.3	14 200*	68.1	46.8	18 700*												10.0	
11.0	56.2	45.6	11 400*	62.8	46.3	14 200*												11.0	
12.0	50.0	44.8	9 600*	57.1	45.7	11 700*												12.0	
13.0	43.1	43.7	8 200*	51.0	44.9	9 900*	61.4	46.0	13 900*									13.0	
14.0	35.0	42.4	7 200*	44.3	43.8	8 500*	55.6	45.3	11 300*	65.4	46.1	16 300*						14.0	
15.0	24.4	40.4	6 300*	36.5	42.5	7 300*	49.4	44.4	9 500*	59.9	45.5	13 200*						15.0	
16.0							42.4	43.3	8 200*	54.0	44.8	10 700*						16.0	
17.0							34.2	41.9	7 100*	47.6	43.9	9 200*						17.0	
18.0							23.2	39.8	6 200*	40.3	42.7	7 900*						18.0	
19.0										31.6	41.2	6 900*	53.0	43.9	10 700*			19.0	
20.0													46.5	43.0	9 000*			20.0	
21.0													39.1	41.8	7 800*			21.0	
22.0													30.0	40.2	6 800*	51.6	42.8	22.0	
23.0																44.9	41.8	23.0	
24.0																37.2	40.5	24.0	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	71.5	50.1	23 300*															9.1	
10.0	68.0	49.7	19 600*															10.0	
11.0	63.8	49.2	15 800*	68.7	49.7	20 200*												11.0	
12.0	59.4	48.6	13 300*	64.5	49.3	16 500*												12.0	
13.0	54.7	47.9	11 400*	60.1	48.7	13 600*	67.6	49.4	19 400*									13.0	
14.0	49.8	47.1	9 900*	55.5	48.0	11 700*	63.4	48.9	15 600*									14.0	
15.0	44.4	46.1	8 700*	50.6	47.2	10 100*	59.0	48.3	13 200*									15.0	
16.0	38.3	44.8	7 700*	45.3	46.2	8 900*	54.3	47.6	11 300*	62.2	48.5	15 200*						16.0	
17.0	31.3	43.3	6 800*	39.4	45.0	7 800*	49.3	46.7	9 900*	57.7	47.8	12 700*						17.0	
18.0	22.0	41.0	6 100*	32.5	43.5	7 000*	43.9	45.7	8 600*	53.0	47.1	10 900*						18.0	
19.0							37.8	44.4	7 600*	47.9	46.2	9 500*						19.0	
20.0							30.6	42.8	6 800*	42.3	45.1	8 400*	57.0	47.0	12 500*			20.0	
21.0							21.0	40.5	6 000*	36.0	43.7	7 400*	52.2	46.2	10 800*			21.0	
22.0										28.3	42.0	6 600*	47.0	45.3	9 300*			22.0	
23.0													41.4	44.2	8 200*	55.9	45.9	12 100*	23.0
24.0													34.9	42.8	7 300*	51.1	45.1	10 500*	24.0
25.0													26.9	41.0	6 500*	45.8	44.1	9 100*	25.0
26.0																40.0	43.0	8 100*	26.0
27.0																33.2	41.5	7 100*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities

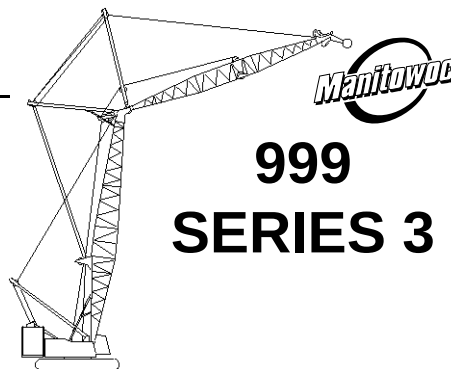
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	74.7	53.3	26 300*															9.1	
10.0	71.9	53.0	23 500*															10.0	
11.0	68.5	52.6	20 200*	72.5	53.0	24 900*												11.0	
12.0	65.0	52.2	17 000*	69.1	52.6	20 800*												12.0	
13.0	61.4	51.6	14 500*	65.6	52.2	17 500*												13.0	
14.0	57.7	51.0	12 600*	62.0	51.6	14 900*	68.2	52.3	20 000*									14.0	
15.0	53.8	50.2	11 100*	58.3	51.0	12 900*	64.7	51.8	16 900*									15.0	
16.0	49.6	49.4	9 800*	54.4	50.3	11 300*	61.1	51.3	14 400*									16.0	
17.0	45.2	48.4	8 800*	50.3	49.5	10 000*	57.3	50.6	12 600*	63.7	51.4	16 200*						17.0	
18.0	40.4	47.2	7 900*	46.0	48.5	8 900*	53.4	49.9	11 000*	60.1	50.8	14 000*						18.0	
19.0	35.0	45.8	7 100*	41.2	47.4	8 000*	49.2	49.0	9 800*	56.3	50.1	12 100*						19.0	
20.0	28.6	44.1	6 400*	35.9	46.0	7 200*	44.8	48.0	8 700*	52.3	49.4	10 700*						20.0	
21.0	20.3	41.7	5 800*	29.8	44.3	6 500*	39.9	46.8	7 800*	48.1	48.5	9 500*						21.0	
22.0							34.4	45.4	7 100*	43.5	47.4	8 500*	55.7	49.3	12 100*			22.0	
23.0							28.0	43.6	6 400*	38.5	46.2	7 600*	51.7	48.5	10 600*			23.0	
24.0							19.4	41.1	5 800*	32.8	44.7	6 900*	47.4	47.6	9 400*			24.0	
25.0										26.0	42.8	6 200*	42.8	46.6	8 400*	54.8	48.2	11 800*	25.0
26.0													37.7	45.3	7 600*	50.7	47.4	10 400*	26.0
27.0													31.8	43.7	6 800*	46.4	46.5	9 200*	27.0
28.0													24.7	41.7	6 200*	41.7	45.3	8 300*	28.0
29.0																36.4	44.0	7 400*	29.0
30.0																30.4	42.4	6 700*	30.0



999

SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

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

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	72.7	56.0	26 300*															10.7	
11.0	71.7	55.9	25 200*															11.0	
12.0	68.8	55.5	22 100*															12.0	
13.0	65.9	55.1	19 100*	69.3	55.5	23 000*												13.0	
14.0	62.8	54.6	16 500*	66.4	55.1	19 500*												14.0	
15.0	59.7	54.0	14 500*	63.4	54.6	17 000*												15.0	
16.0	56.5	53.3	12 900*	60.2	54.0	14 900*	65.6	54.7	19 000*									16.0	
17.0	53.1	52.5	11 600*	57.0	53.3	13 200*	62.6	54.2	16 400*									17.0	
18.0	49.5	51.7	10 400*	53.7	52.6	11 800*	59.4	53.6	14 500*									18.0	
19.0	45.8	50.7	9 400*	50.1	51.8	10 600*	56.2	52.9	12 900*	61.7	53.8	16 100*						19.0	
20.0	41.7	49.6	8 500*	46.4	50.8	9 600*	52.8	52.2	11 500*	58.6	53.1	14 100*						20.0	
21.0	37.3	48.3	7 700*	42.4	49.7	8 700*	49.2	51.3	10 400*	55.3	52.5	12 600*						21.0	
22.0	32.4	46.8	7 000*	38.1	48.5	7 900*	45.4	50.3	9 400*	51.8	51.7	11 300*						22.0	
23.0	26.6	44.9	6 400*	33.3	47.0	7 200*	41.4	49.2	8 500*	48.2	50.8	10 100*	58.0	52.4	13 900*			23.0	
24.0	19.1	42.3	5 900*	27.6	45.2	6 600*	36.9	47.9	7 700*	44.4	49.8	9 200*	54.7	51.6	12 500*			24.0	
25.0							31.9	46.3	7 100*	40.2	48.6	8 300*	51.3	50.8	11 100*			25.0	
26.0							26.0	44.4	6 400*	35.6	47.2	7 600*	47.6	49.9	10 100*	57.3	51.3	13 600*	
27.0							18.3	41.7	5 900*	30.4	45.6	6 900*	43.7	48.9	9 100*	54.0	50.5	12 200*	
28.0										24.2	43.5	6 300*	39.5	47.7	8 200*	50.5	49.7	10 900*	
29.0													34.9	46.3	7 500*	46.8	48.8	9 900*	
30.0													29.5	44.6	6 900*	42.8	47.7	8 900*	
31.0													23.0	42.4	6 300*	38.5	46.5	8 100*	
32.0													13.6	39.0	5 800*	33.7	45.0	7 400*	
33.0																28.2	43.2	6 800*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

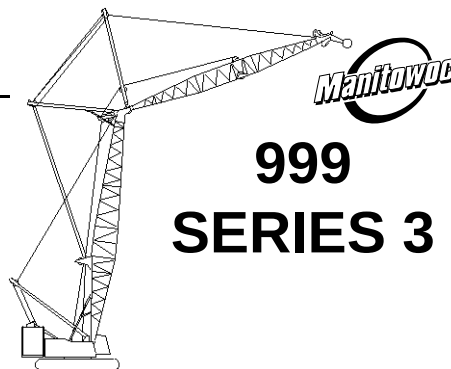
**Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 300*															10.7	
11.0	74.1	59.1	26 200*															11.0	
12.0	71.6	58.8	25 900*															12.0	
13.0	69.1	58.4	23 800*															13.0	
14.0	66.5	58.0	20 100*	69.5	58.4	23 700*												14.0	
15.0	63.9	57.5	17 700*	67.0	58.0	20 700*												15.0	
16.0	61.2	56.9	15 800*	64.3	57.5	18 100*	68.9	58.1	23 000*									16.0	
17.0	58.4	56.3	14 200*	61.6	56.9	16 200*	66.3	57.6	20 000*									17.0	
18.0	55.5	55.6	12 800*	58.9	56.3	14 500*	63.6	57.1	17 700*									18.0	
19.0	52.6	54.8	11 600*	56.0	55.6	13 100*	60.9	56.6	15 800*	65.6	57.2	19 500*						19.0	
20.0	49.5	54.0	10 600*	53.1	54.9	11 800*	58.2	56.0	14 200*	62.9	56.7	17 200*						20.0	
21.0	46.2	53.0	9 700*	50.0	54.1	10 800*	55.3	55.3	12 800*	60.2	56.1	15 300*						21.0	
22.0	42.7	52.0	8 800*	46.8	53.1	9 900*	52.3	54.5	11 600*	57.4	55.5	13 800*						22.0	
23.0	39.0	50.7	8 100*	43.3	52.1	9 000*	49.2	53.6	10 600*	54.5	54.8	12 500*	62.5	55.9	17 000*			23.0	
24.0	34.9	49.3	7 500*	39.7	50.9	8 300*	45.9	52.7	9 700*	51.5	54.0	11 400*	59.8	55.3	15 300*			24.0	
25.0	30.4	47.7	6 900*	35.7	49.5	7 600*	42.4	51.6	8 900*	48.3	53.1	10 400*	56.9	54.7	13 700*			25.0	
26.0	25.0	45.6	6 400*	31.2	47.9	7 000*	38.7	50.3	8 100*	45.0	52.1	9 500*	54.0	54.0	12 400*			26.0	
27.0	18.1	42.9	5 900*	26.0	45.9	6 500*	34.6	48.9	7 500*	41.4	51.0	8 700*	51.0	53.1	11 300*			27.0	
28.0							29.9	47.2	6 900*	37.6	49.7	8 000*	47.8	52.2	10 300*	56.3	53.6	13 500*	
29.0							24.5	45.1	6 400*	33.4	48.2	7 400*	44.4	51.2	9 400*	53.3	52.8	12 200*	
30.0							17.4	42.3	5 900*	28.6	46.4	6 800*	40.9	50.1	8 700*	50.3	52.0	11 100*	
31.0										22.8	44.2	6 300*	37.0	48.8	8 000*	47.1	51.1	10 200*	
32.0										14.8	41.0	5 800*	32.7	47.2	7 400*	43.6	50.0	9 300*	
33.0													27.7	45.4	6 800*	40.0	48.9	8 600*	
34.0													21.7	43.1	6 300*	36.0	47.5	7 900*	
35.0													13.1	39.6	5 800*	31.6	45.9	7 300*	
36.0																26.5	44.0	6 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.3	61.9	26 300*															12.2	
13.0	71.5	61.7	26 200*															13.0	
14.0	69.3	61.3	25 700*	71.9	61.6	26 100*												14.0	
15.0	67.0	60.9	22 900*	69.7	61.3	25 400*												15.0	
16.0	64.7	60.4	20 300*	67.4	60.9	23 600*												16.0	
17.0	62.3	59.9	18 300*	65.1	60.4	20 800*	69.1	61.0	25 400*									17.0	
18.0	59.9	59.3	16 600*	62.7	59.9	18 700*	66.8	60.5	22 700*									18.0	
19.0	57.4	58.6	15 000*	60.3	59.3	16 900*	64.5	60.0	20 300*									19.0	
20.0	54.8	57.9	13 700*	57.8	58.7	15 400*	62.1	59.5	18 300*	66.2	60.1	22 100*						20.0	
21.0	52.2	57.1	12 600*	55.3	58.0	14 000*	59.7	58.9	16 600*	63.8	59.6	19 900*						21.0	
22.0	49.4	56.3	11 600*	52.6	57.2	12 800*	57.2	58.3	15 100*	61.5	59.1	17 900*						22.0	
23.0	46.5	55.3	10 700*	49.9	56.4	11 800*	54.6	57.6	13 800*	59.0	58.5	16 200*						23.0	
24.0	43.5	54.3	9 900*	47.0	55.4	10 900*	51.9	56.8	12 600*	56.5	57.8	14 800*						24.0	
25.0	40.3	53.1	9 100*	44.0	54.4	10 100*	49.2	55.9	11 600*	53.9	57.1	13 600*	61.1	58.3	17 700*			25.0	
26.0	36.8	51.8	8 500*	40.8	53.2	9 300*	46.3	55.0	10 800*	51.2	56.3	12 500*	58.6	57.7	16 100*			26.0	
27.0	33.0	50.3	7 900*	37.4	52.0	8 600*	43.2	53.9	9 900*	48.4	55.4	11 500*	56.1	57.0	14 700*			27.0	
28.0	28.7	48.5	7 300*	33.7	50.5	8 000*	40.0	52.7	9 200*	45.5	54.4	10 600*	53.5	56.3	13 500*			28.0	
29.0	23.7	46.4	6 800*	29.5	48.8	7 400*	36.5	51.4	8 500*	42.4	53.3	9 800*	50.8	55.4	12 400*			29.0	
30.0	17.4	43.5	6 300*	24.6	46.7	6 900*	32.6	49.9	7 900*	39.0	52.1	9 100*	47.9	54.5	11 400*			30.0	
31.0							28.3	48.1	7 300*	35.5	50.7	8 400*	45.0	53.5	10 500*	52.9	55.1	13 300*	31.0
32.0							23.2	45.9	6 800*	31.5	49.1	7 800*	41.8	52.4	9 800*	50.1	54.3	12 200*	32.0
33.0							16.7	42.9	6 400*	27.0	47.2	7 200*	38.5	51.2	9 000*	47.3	53.4	11 300*	33.0
34.0										21.7	44.9	6 700*	34.9	49.8	8 400*	44.3	52.4	10 400*	34.0
35.0										14.4	41.5	6 300*	30.9	48.1	7 800*	41.1	51.2	9 700*	35.0
36.0													26.3	46.2	7 300*	37.7	49.9	9 000*	36.0
37.0													20.7	43.7	6 800*	34.0	48.5	8 300*	37.0
38.0													12.8	40.1	6 300*	29.9	46.8	7 800*	38.0
39.0																25.1	44.8	7 200*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

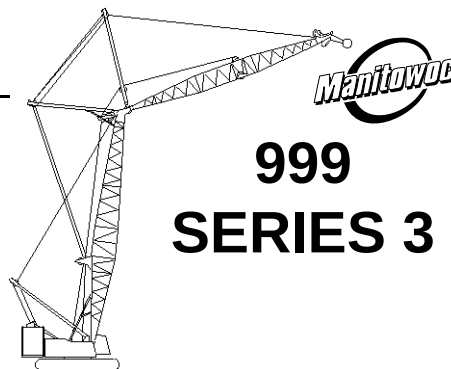
**Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 300*															10.7	
11.0	74.1	59.1	25 700*															11.0	
12.0	71.6	58.8	24 200*															12.0	
13.0	69.1	58.4	21 700*															13.0	
14.0	66.5	58.0	18 600*	69.5	58.4	21 900*												14.0	
15.0	63.9	57.5	16 400*	67.0	58.0	19 100*												15.0	
16.0	61.2	56.9	14 600*	64.3	57.5	16 800*	68.9	58.1	21 200*									16.0	
17.0	58.4	56.3	13 100*	61.6	56.9	14 900*	66.3	57.6	18 400*									17.0	
18.0	55.5	55.6	11 800*	58.9	56.3	13 400*	63.6	57.1	16 300*									18.0	
19.0	52.6	54.8	10 700*	56.0	55.6	12 100*	60.9	56.6	14 600*	65.6	57.2	18 000*						19.0	
20.0	49.5	54.0	9 800*	53.1	54.9	11 000*	58.2	56.0	13 100*	62.9	56.7	15 900*						20.0	
21.0	46.2	53.0	8 900*	50.0	54.1	10 000*	55.3	55.3	11 800*	60.2	56.1	14 200*						21.0	
22.0	42.7	52.0	8 100*	46.8	53.1	9 100*	52.3	54.5	10 700*	57.4	55.5	12 800*						22.0	
23.0	39.0	50.7	7 500*	43.3	52.1	8 300*	49.2	53.6	9 800*	54.5	54.8	11 600*	62.5	55.9	15 700*			23.0	
24.0	34.9	49.3	6 900*	39.7	50.9	7 600*	45.9	52.7	8 900*	51.5	54.0	10 500*	59.8	55.3	14 100*			24.0	
25.0	30.4	47.7	6 300*	35.7	49.5	7 000*	42.4	51.6	8 200*	48.3	53.1	9 600*	56.9	54.7	12 600*			25.0	
26.0	25.0	45.6	5 800*	31.2	47.9	6 500*	38.7	50.3	7 500*	45.0	52.1	8 800*	54.0	54.0	11 500*			26.0	
27.0	18.1	42.9	5 400*	26.0	45.9	6 000*	34.6	48.9	6 900*	41.4	51.0	8 000*	51.0	53.1	10 400*			27.0	
28.0							29.9	47.2	6 400*	37.6	49.7	7 400*	47.8	52.2	9 500*	56.3	53.6	12 500*	
29.0							24.5	45.1	5 900*	33.4	48.2	6 800*	44.4	51.2	8 700*	53.3	52.8	11 300*	
30.0							17.4	42.3	5 400*	28.6	46.4	6 300*	40.9	50.1	8 000*	50.3	52.0	10 300*	
31.0										22.8	44.2	5 800*	37.0	48.8	7 400*	47.1	51.1	9 400*	
32.0										14.8	41.0	5 300*	32.7	47.2	6 800*	43.6	50.0	8 600*	
33.0													27.7	45.4	6 300*	40.0	48.9	7 900*	
34.0													21.7	43.1	5 800*	36.0	47.5	7 300*	
35.0													13.1	39.6	5 400*	31.6	45.9	6 700*	
36.0																26.5	44.0	6 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

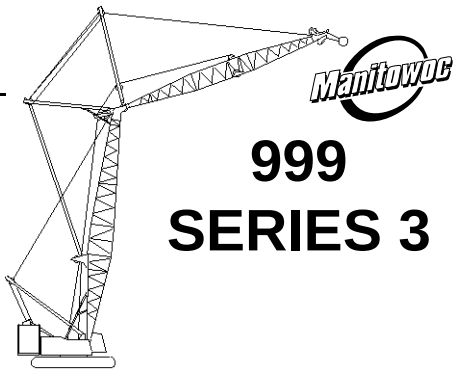
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.3	61.9	26 300*															12.2	
13.0	71.5	61.7	25 300*															13.0	
14.0	69.3	61.3	23 900*	71.9	61.6	25 700*												14.0	
15.0	67.0	60.9	21 100*	69.7	61.3	23 900*												15.0	
16.0	64.7	60.4	18 600*	67.4	60.9	21 600*												16.0	
17.0	62.3	59.9	16 800*	65.1	60.4	19 100*	69.1	61.0	23 500*									17.0	
18.0	59.9	59.3	15 100*	62.7	59.9	17 100*	66.8	60.5	20 900*									18.0	
19.0	57.4	58.6	13 800*	60.3	59.3	15 500*	64.5	60.0	18 600*									19.0	
20.0	54.8	57.9	12 600*	57.8	58.7	14 100*	62.1	59.5	16 800*	66.2	60.1	20 200*						20.0	
21.0	52.2	57.1	11 500*	55.3	58.0	12 800*	59.7	58.9	15 200*	63.8	59.6	18 200*						21.0	
22.0	49.4	56.3	10 500*	52.6	57.2	11 700*	57.2	58.3	13 800*	61.5	59.1	16 400*						22.0	
23.0	46.5	55.3	9 700*	49.9	56.4	10 800*	54.6	57.6	12 600*	59.0	58.5	14 900*						23.0	
24.0	43.5	54.3	9 000*	47.0	55.4	9 900*	51.9	56.8	11 600*	56.5	57.8	13 500*						24.0	
25.0	40.3	53.1	8 300*	44.0	54.4	9 100*	49.2	55.9	10 600*	53.9	57.1	12 400*	61.1	58.3	16 300*			25.0	
26.0	36.8	51.8	7 700*	40.8	53.2	8 500*	46.3	55.0	9 800*	51.2	56.3	11 400*	58.6	57.7	14 700*			26.0	
27.0	33.0	50.3	7 100*	37.4	52.0	7 800*	43.2	53.9	9 100*	48.4	55.4	10 500*	56.1	57.0	13 400*			27.0	
28.0	28.7	48.5	6 600*	33.7	50.5	7 300*	40.0	52.7	8 400*	45.5	54.4	9 700*	53.5	56.3	12 300*			28.0	
29.0	23.7	46.4	6 100*	29.5	48.8	6 700*	36.5	51.4	7 800*	42.4	53.3	8 900*	50.8	55.4	11 300*			29.0	
30.0	17.4	43.5	5 700*	24.6	46.7	6 300*	32.6	49.9	7 200*	39.0	52.1	8 300*	47.9	54.5	10 400*			30.0	
31.0							28.3	48.1	6 700*	35.5	50.7	7 700*	45.0	53.5	9 600*	52.9	55.1	12 200*	31.0
32.0							23.2	45.9	6 200*	31.5	49.1	7 100*	41.8	52.4	8 900*	50.1	54.3	11 200*	32.0
33.0							16.7	42.9	5 800*	27.0	47.2	6 600*	38.5	51.2	8 300*	47.3	53.4	10 300*	33.0
34.0										21.7	44.9	6 100*	34.9	49.8	7 700*	44.3	52.4	9 500*	34.0
35.0										14.4	41.5	5 700*	30.9	48.1	7 100*	41.1	51.2	8 800*	35.0
36.0													26.3	46.2	6 600*	37.7	49.9	8 200*	36.0
37.0													20.7	43.7	6 200*	34.0	48.5	7 600*	37.0
38.0													12.8	40.1	5 700*	29.9	46.8	7 100*	38.0
39.0																25.1	44.8	6 600*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 300*															10.7	
11.0	74.1	59.1	25 400*															11.0	
12.0	71.6	58.8	22 700*															12.0	
13.0	69.1	58.4	19 900*															13.0	
14.0	66.5	58.0	17 200*	69.5	58.4	20 300*												14.0	
15.0	63.9	57.5	15 100*	67.0	58.0	17 700*												15.0	
16.0	61.2	56.9	13 500*	64.3	57.5	15 500*	68.9	58.1	19 700*									16.0	
17.0	58.4	56.3	12 100*	61.6	56.9	13 800*	66.3	57.6	17 100*									17.0	
18.0	55.5	55.6	10 900*	58.9	56.3	12 400*	63.6	57.1	15 100*									18.0	
19.0	52.6	54.8	9 900*	56.0	55.6	11 200*	60.9	56.6	13 500*	65.6	57.2	16 700*						19.0	
20.0	49.5	54.0	9 000*	53.1	54.9	10 100*	58.2	56.0	12 100*	62.9	56.7	14 700*						20.0	
21.0	46.2	53.0	8 200*	50.0	54.1	9 200*	55.3	55.3	10 900*	60.2	56.1	13 200*						21.0	
22.0	42.7	52.0	7 500*	46.8	53.1	8 400*	52.3	54.5	9 900*	57.4	55.5	11 800*						22.0	
23.0	39.0	50.7	6 900*	43.3	52.1	7 700*	49.2	53.6	9 000*	54.5	54.8	10 700*	62.5	55.9	14 500*			23.0	
24.0	34.9	49.3	6 300*	39.7	50.9	7 000*	45.9	52.7	8 300*	51.5	54.0	9 700*	59.8	55.3	13 000*			24.0	
25.0	30.4	47.7	5 800*	35.7	49.5	6 500*	42.4	51.6	7 600*	48.3	53.1	8 900*	56.9	54.7	11 700*			25.0	
26.0	25.0	45.6	5 400*	31.2	47.9	5 900*	38.7	50.3	6 900*	45.0	52.1	8 100*	54.0	54.0	10 600*			26.0	
27.0	18.1	42.9	5 000*	26.0	45.9	5 500*	34.6	48.9	6 300*	41.4	51.0	7 400*	51.0	53.1	9 700*			27.0	
28.0							29.9	47.2	5 800*	37.6	49.7	6 800*	47.8	52.2	8 800*	56.3	53.6	11 600*	28.0
29.0							24.5	45.1	5 400*	33.4	48.2	6 300*	44.4	51.2	8 000*	53.3	52.8	10 400*	29.0
30.0							17.4	42.3	5 000*	28.6	46.4	5 800*	40.9	50.1	7 400*	50.3	52.0	9 500*	30.0
31.0										22.8	44.2	5 300*	37.0	48.8	6 800*	47.1	51.1	8 700*	31.0
32.0										14.8	41.0	4 900*	32.7	47.2	6 300*	43.6	50.0	8 000*	32.0
33.0													27.7	45.4	5 800*	40.0	48.9	7 300*	33.0
34.0													21.7	43.1	5 300*	36.0	47.5	6 700*	34.0
35.0													13.1	39.6	4 900*	31.6	45.9	6 200*	35.0
36.0																26.5	44.0	5 700*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		
12.2	73.3	61.9	26 300*																12.2
13.0	71.5	61.7	24 300*																13.0
14.0	69.3	61.3	21 800*	71.9	61.6	25 400*													14.0
15.0	67.0	60.9	19 300*	69.7	61.3	22 300*													15.0
16.0	64.7	60.4	17 100*	67.4	60.9	19 700*													16.0
17.0	62.3	59.9	15 400*	65.1	60.4	17 500*	69.1	61.0	21 700*										17.0
18.0	59.9	59.3	13 900*	62.7	59.9	15 700*	66.8	60.5	19 200*										18.0
19.0	57.4	58.6	12 700*	60.3	59.3	14 200*	64.5	60.0	17 100*										19.0
20.0	54.8	57.9	11 500*	57.8	58.7	12 900*	62.1	59.5	15 400*	66.2	60.1	18 600*							20.0
21.0	52.2	57.1	10 500*	55.3	58.0	11 800*	59.7	58.9	14 000*	63.8	59.6	16 800*							21.0
22.0	49.4	56.3	9 700*	52.6	57.2	10 800*	57.2	58.3	12 700*	61.5	59.1	15 100*							22.0
23.0	46.5	55.3	8 900*	49.9	56.4	9 900*	54.6	57.6	11 600*	59.0	58.5	13 700*							23.0
24.0	43.5	54.3	8 200*	47.0	55.4	9 100*	51.9	56.8	10 600*	56.5	57.8	12 400*							24.0
25.0	40.3	53.1	7 600*	44.0	54.4	8 400*	49.2	55.9	9 800*	53.9	57.1	11 400*	61.1	58.3	15 000*				25.0
26.0	36.8	51.8	7 000*	40.8	53.2	7 700*	46.3	55.0	9 000*	51.2	56.3	10 400*	58.6	57.7	13 600*				26.0
27.0	33.0	50.3	6 500*	37.4	52.0	7 200*	43.2	53.9	8 300*	48.4	55.4	9 600*	56.1	57.0	12 400*				27.0
28.0	28.7	48.5	6 000*	33.7	50.5	6 600*	40.0	52.7	7 700*	45.5	54.4	8 900*	53.5	56.3	11 300*				28.0
29.0	23.7	46.4	5 600*	29.5	48.8	6 100*	36.5	51.4	7 100*	42.4	53.3	8 200*	50.8	55.4	10 400*				29.0
30.0	17.4	43.5	5 200*	24.6	46.7	5 700*	32.6	49.9	6 600*	39.0	52.1	7 600*	47.9	54.5	9 600*				30.0
31.0							28.3	48.1	6 100*	35.5	50.7	7 000*	45.0	53.5	8 800*	52.9	55.1	11 200*	31.0
32.0							23.2	45.9	5 700*	31.5	49.1	6 500*	41.8	52.4	8 200*	50.1	54.3	10 300*	32.0
33.0							16.7	42.9	5 300*	27.0	47.2	6 000*	38.5	51.2	7 600*	47.3	53.4	9 500*	33.0
34.0										21.7	44.9	5 600*	34.9	49.8	7 000*	44.3	52.4	8 800*	34.0
35.0										14.4	41.5	5 200*	30.9	48.1	6 500*	41.1	51.2	8 100*	35.0
36.0													26.3	46.2	6 000*	37.7	49.9	7 500*	36.0
37.0													20.7	43.7	5 600*	34.0	48.5	7 000*	37.0
38.0													12.8	40.1	5 200*	29.9	46.8	6 500*	38.0
39.0																25.1	44.8	5 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	75.1	65.1	26 200*																12.2
13.0	73.5	64.9	25 700*																13.0
14.0	71.5	64.6	24 700*																14.0
15.0	69.5	64.2	22 400*																15.0
16.0	67.4	63.8	20 000*	69.8	64.2	22 600*													16.0
17.0	65.3	63.3	18 100*	67.8	63.7	20 500*													17.0
18.0	63.2	62.8	16 400*	65.7	63.3	18 500*													18.0
19.0	61.1	62.2	14 900*	63.6	62.8	16 700*	67.2	63.4	20 000*										19.0
20.0	58.8	61.6	13 600*	61.4	62.2	15 200*	65.1	63.0	18 100*										20.0
21.0	56.6	61.0	12 500*	59.2	61.6	13 900*	63.0	62.4	16 400*										21.0
22.0	54.3	60.2	11 500*	57.0	61.0	12 800*	60.9	61.9	15 000*	64.6	62.5	17 700*							22.0
23.0	51.9	59.4	10 600*	54.6	60.3	11 700*	58.6	61.3	13 700*	62.4	62.0	16 100*							23.0
24.0	49.4	58.6	9 800*	52.3	59.5	10 800*	56.4	60.6	12 600*	60.3	61.4	14 700*							24.0
25.0	46.8	57.7	9 100*	49.8	58.7	10 000*	54.0	59.9	11 600*	58.0	60.8	13 500*							25.0
26.0	44.1	56.6	8 400*	47.2	57.7	9 300*	51.6	59.1	10 700*	55.8	60.1	12 400*	62.1	61.2	15 900*				26.0
27.0	41.2	55.5	7 800*	44.5	56.7	8 600*	49.1	58.2	9 900*	53.4	59.4	11 400*	59.9	60.6	14 600*				27.0
28.0	38.2	54.2	7 300*	41.7	55.6	8 000*	46.5	57.3	9 200*	51.0	58.6	10 500*	57.7	60.0	13 400*				28.0
29.0	34.9	52.8	6 800*	38.7	54.4	7 500*	43.8	56.2	8 500*	48.5	57.7	9 800*	55.4	59.3	12 300*				29.0
30.0	31.4	51.2	6 300*	35.5	53.0	6 900*	41.0	55.1	7 900*	45.8	56.7	9 100*	53.0	58.6	11 400*				30.0
31.0	27.4	49.3	5 900*	32.0	51.4	6 500*	37.9	53.8	7 400*	43.1	55.6	8 400*	50.6	57.7	10 500*				31.0
32.0	22.7	47.1	5 500*	28.1	49.6	6 000*	34.6	52.4	6 900*	40.2	54.5	7 800*	48.0	56.8	9 800*	54.9	58.2	11 300	32.0
33.0	16.7	44.1	5 200*	23.5	47.4	5 600*	31.0	50.8	6 400*	37.1	53.2	7 300*	45.4	55.9	9 100*	52.5	57.4	10 400	33.0
34.0							27.0	48.9	6 000*	33.7	51.7	6 800*	42.6	54.8	8 500*	50.0	56.6	9 600	34.0
35.0							22.2	46.6	5 600*	30.0	50.0	6 400*	39.7	53.6	7 900*	47.5	55.7	8 800	35.0
36.0							16.1	43.5	5 200*	25.8	48.0	5 900*	36.5	52.3	7 300*	44.8	54.7	8 000	36.0
37.0										20.8	45.5	5 600*	33.1	50.7	6 900*	42.0	53.6	7 300	37.0
38.0										14.0	42.1	5 200*	29.4	49.0	6 400*	39.0	52.4	6 600	38.0
39.0													25.1	47.0	6 000*	35.8	51.0	6 000	39.0
40.0													19.8	44.4	5 600*	32.3	49.4	5 400	40.0
42.0																24.0	45.5	4 300	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	73.7	67.9	24 400*																13.7
14.0	73.2	67.8	23 800*																14.0
15.0	71.4	67.4	21 500*																15.0
16.0	69.6	67.1	19 400*	71.7	67.4	21 900*													16.0
17.0	67.7	66.6	17 800*	69.9	67.0	19 800*													17.0
18.0	65.8	66.2	16 300*	68.0	66.6	18 000*													18.0
19.0	63.9	65.7	14 900*	66.2	66.2	16 500*	69.4	66.7	19 400*										19.0
20.0	62.0	65.2	13 800*	64.3	65.7	15 200*	67.6	66.3	17 600*										20.0
21.0	60.0	64.6	12 700*	62.3	65.2	14 000*	65.7	65.9	16 100*										21.0
22.0	58.0	64.0	11 800*	60.3	64.6	12 900*	63.8	65.4	14 800*										22.0
23.0	55.9	63.3	10 900*	58.3	64.0	12 000*	61.8	64.8	13 700*	65.2	65.4	15 800*							23.0
24.0	53.8	62.5	10 000*	56.3	63.3	11 100*	59.8	64.2	12 700*	63.2	64.9	14 600*							24.0
25.0	51.6	61.7	9 200*	54.1	62.6	10 300*	57.8	63.6	11 700*	61.3	64.4	13 400*							25.0
26.0	49.3	60.9	8 500*	52.0	61.8	9 400*	55.7	62.9	10 900*	59.3	63.8	12 400*							26.0
27.0	47.0	60.0	7 800*	49.7	61.0	8 700*	53.6	62.2	10 100*	57.2	63.1	11 500*							27.0
28.0	44.6	58.9	7 200*	47.4	60.0	8 000*	51.4	61.4	9 400*	55.2	62.4	10 700*	61.0	63.6	13 300*				28.0
29.0	42.0	57.8	6 700*	45.0	59.0	7 400*	49.1	60.5	8 600*	53.0	61.7	10 000*	59.0	63.0	12 300*				29.0
30.0	39.3	56.6	6 200*	42.4	57.9	6 900*	46.8	59.6	8 000*	50.8	60.9	9 200*	56.9	62.3	11 400*				30.0
31.0	36.4	55.3	5 700*	39.8	56.8	6 300*	44.3	58.6	7 400*	48.5	60.0	8 500*	54.8	61.6	10 600*				31.0
32.0	33.4	53.8	5 300*	36.9	55.4	5 800*	41.8	57.4	6 800*	46.1	59.0	7 900*	52.7	60.9	9 900*				32.0
33.0	30.0	52.1	4 900*	33.9	54.0	5 400*	39.1	56.2	6 300*	43.7	58.0	7 300*	50.4	60.0	9 200*				33.0
34.0	26.2	50.1	4 500*	30.6	52.3	5 000*	36.2	54.9	5 900*	41.0	56.8	6 700*	48.1	59.1	8 500*	54.3	60.5	9 400	34.0
35.0	21.8	47.8	4 200*	26.9	50.4	4 600*	33.1	53.4	5 400*	38.3	55.6	6 200*	45.7	58.2	7 900*	52.2	59.7	8 600	35.0
36.0	16.2	44.7	3 600*	22.6	48.1	4 300*	29.7	51.7	5 000*	35.4	54.2	5 800*	43.3	57.1	7 300*	49.9	58.9	7 900	36.0
37.0							25.8	49.7	4 600*	32.2	52.6	5 400*	40.6	56.0	6 800*	47.6	58.0	7 200	37.0
38.0							21.4	47.2	4 300*	28.7	50.9	5 000*	37.9	54.7	6 300*	45.2	57.0	6 500	38.0
39.0							15.6	44.0	3 800*	24.7	48.8	4 600*	34.9	53.3	5 800*	42.7	55.9	5 900	39.0
40.0										20.0	46.2	4 300*	31.7	51.7	5 400*	40.0	54.7	5 300	40.0
42.0													24.0	47.7	4 600*	34.2	52.0	4 200	42.0
44.0													12.3	41.2	3 800	27.2	48.5	3 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s	with 21.3m thru 33.5m Luffing Jib	
7 m/s	with 36.6m thru 61.0m Luffing Jib	
5 m/s	with 64.0m thru 73.2m Luffing Jib	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.1	71.0	26 200*															13.7	
14.0	74.7	71.0	25 600*															14.0	
15.0	73.0	70.6	23 400*															15.0	
16.0	71.4	70.3	21 400*															16.0	
17.0	69.7	69.9	19 500*	71.6	70.3	21 700*												17.0	
18.0	68.0	69.5	18 000*	70.0	69.9	19 900*												18.0	
19.0	66.3	69.1	16 600*	68.3	69.5	18 200*												19.0	
20.0	64.5	68.6	15 400*	66.6	69.1	16 800*	69.5	69.6	19 400*									20.0	
21.0	62.8	68.1	14 300*	64.8	68.6	15 600*	67.8	69.2	17 900*									21.0	
22.0	61.0	67.5	13 300*	63.1	68.1	14 500*	66.1	68.8	16 500*									22.0	
23.0	59.1	66.9	12 400*	61.3	67.5	13 500*	64.4	68.3	15 300*	67.4	68.8	17 500*						23.0	
24.0	57.3	66.3	11 600*	59.4	66.9	12 600*	62.6	67.7	14 200*	65.7	68.3	16 200*						24.0	
25.0	55.3	65.6	10 800*	57.6	66.3	11 700*	60.8	67.2	13 200*	63.9	67.8	15 000*						25.0	
26.0	53.4	64.8	10 100*	55.7	65.6	11 000*	59.0	66.6	12 300*	62.1	67.3	13 900*						26.0	
27.0	51.4	64.0	9 400*	53.7	64.9	10 300*	57.1	65.9	11 500*	60.3	66.7	13 000*						27.0	
28.0	49.3	63.2	8 700*	51.7	64.1	9 600*	55.2	65.2	10 800*	58.5	66.1	12 100*						28.0	
29.0	47.2	62.3	8 100*	49.7	63.3	8 900*	53.2	64.5	10 100*	56.6	65.5	11 300*	61.8	66.5	13 800*			29.0	
30.0	44.9	61.3	7 600*	47.5	62.3	8 300*	51.2	63.7	9 500*	54.7	64.7	10 600*	60.0	65.9	12 900*			30.0	
31.0	42.6	60.2	7 000*	45.3	61.4	7 700*	49.1	62.8	8 900*	52.7	64.0	10 000*	58.2	65.3	12 000*			31.0	
32.0	40.2	59.0	6 600*	43.0	60.3	7 200*	47.0	61.9	8 300*	50.6	63.2	9 400*	56.3	64.7	11 200*			32.0	
33.0	37.6	57.7	6 100*	40.6	59.1	6 700*	44.7	60.9	7 700*	48.5	62.3	8 800*	54.3	63.9	10 500*			33.0	
34.0	34.9	56.3	5 700*	38.1	57.9	6 300*	42.4	59.8	7 200*	46.4	61.3	8 300*	52.4	63.2	9 900*			34.0	
35.0	32.0	54.7	5 300*	35.4	56.5	5 800*	40.0	58.6	6 700*	44.1	60.3	7 700*	50.3	62.3	9 300*			35.0	
36.0	28.8	53.0	4 900*	32.5	54.9	5 400*	37.4	57.3	6 200*	41.8	59.2	7 200*	48.2	61.4	8 700	53.9	62.8	7 900	
37.0	25.2	50.9	4 600*	29.3	53.2	5 100*	34.7	55.9	5 800*	39.3	58.0	6 700*	46.0	60.5	8 100	51.9	62.0	7 200	
38.0	21.0	48.4	4 300*	25.8	51.2	4 700*	31.7	54.3	5 400*	36.7	56.6	6 200*	43.8	59.4	7 400	49.8	61.2	6 500	
39.0				21.8	48.8	4 400*	28.5	52.5	5 100*	33.9	55.2	5 800*	41.4	58.3	6 800	47.7	60.3	5 900	
40.0							24.9	50.4	4 700*	30.9	53.5	5 400*	38.9	57.1	6 200	45.5	59.3	5 400	
42.0							15.2	44.6	3 200*	23.8	49.5	4 700*	33.4	54.2	5 100	40.8	57.1	4 300	
44.0										13.4	43.2	3 400*	27.0	50.7	4 100	35.6	54.5	3 300	
46.0													18.5	45.6	3 200	29.6	51.2	2 400	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	74.0	73.8	22 000*															15.2	
16.0	72.9	73.5	20 600*															16.0	
17.0	71.3	73.2	18 800*	73.1	73.5	20 900*												17.0	
18.0	69.8	72.8	17 300*	71.6	73.2	19 200*												18.0	
19.0	68.2	72.4	15 900*	70.0	72.8	17 500*												19.0	
20.0	66.6	72.0	14 700*	68.5	72.4	16 100*												20.0	
21.0	65.0	71.5	13 600*	66.9	72.0	14 900*												21.0	
22.0	63.4	71.0	12 600*	65.3	71.5	13 800*	68.1	72.1	15 800*									22.0	
23.0	61.8	70.5	11 700*	63.7	71.0	12 700*	66.5	71.6	14 600*									23.0	
24.0	60.1	69.9	10 900*	62.0	70.5	11 800*	64.9	71.2	13 500*									24.0	
25.0	58.4	69.3	10 100*	60.4	69.9	11 000*	63.3	70.7	12 600*	66.1	71.2	14 300*						25.0	
26.0	56.6	68.6	9 500*	58.7	69.3	10 300*	61.6	70.1	11 700*	64.5	70.7	13 200*						26.0	
27.0	54.9	67.9	8 800*	56.9	68.6	9 600*	59.9	69.5	10 800*	62.8	70.2	12 300*						27.0	
28.0	53.1	67.2	8 200*	55.2	67.9	8 900*	58.2	68.9	10 100*	61.2	69.7	11 400*						28.0	
29.0	51.2	66.3	7 700*	53.4	67.2	8 300*	56.5	68.3	9 400*	59.5	69.1	10 700*						29.0	
30.0	49.3	65.5	7 200*	51.5	66.4	7 800*	54.7	67.6	8 800*	57.8	68.5	9 900*						30.0	
31.0	47.3	64.6	6 700*	49.6	65.6	7 300*	52.9	66.8	8 200*	56.0	67.8	9 300*	60.9	68.9	11 300*			31.0	
32.0	45.3	63.6	6 300*	47.6	64.6	6 800*	51.0	66.0	7 700*	54.2	67.1	8 700*	59.2	68.3	10 500*			32.0	
33.0	43.2	62.5	5 900*	45.6	63.7	6 300*	49.1	65.1	7 200*	52.4	66.3	8 100*	57.5	67.7	9 800*			33.0	
34.0	40.9	61.4	5 500*	43.5	62.6	5 900*	47.1	64.2	6 700*	50.5	65.5	7 500*	55.7	67.0	9 200*			34.0	
35.0	38.6	60.1	5 100*	41.3	61.5	5 500*	45.1	63.2	6 300*	48.6	64.6	7 100*	53.9	66.2	8 600*			35.0	
36.0	36.2	58.8	4 800*	39.0	60.3	5 200*	43.0	62.1	5 900*	46.6	63.6	6 600*	52.1	65.5	8 000*			36.0	
37.0	33.6	57.3	4 400*	36.6	58.9	4 800*	40.7	61.0	5 500*	44.5	62.6	6 200*	50.2	64.6	7 500*	55.3	65.9	7 000	
38.0	30.8	55.6	4 100*	34.0	57.5	4 500*	38.4	59.7	5 100*	42.4	61.5	5 800*	48.3	63.7	7 000*	53.5	65.1	6 300	
39.0	27.8	53.8	3 700*	31.3	55.8	4 200*	36.0	58.4	4 800*	40.1	60.4	5 400*	46.3	62.8	6 500	51.7	64.3	5 700	
40.0	24.3	51.7	3 400*	28.3	54.0	3 900*	33.4	56.9	4 500*	37.8	59.1	5 000*	44.2	61.8	6 000	49.8	63.5	5 200	
42.0				21.1	49.5	3 000*	27.5	53.3	3 800*	32.6	56.1	4 400*	39.8	59.5	4 900	45.8	61.6	4 100	
44.0							20.0	48.6	2 800*	26.6	52.5	3 700*	34.9	56.8	3 900	41.5	59.5	3 100	
46.0													29.3	53.4	3 000			46.0	
48.0													22.4	49.1	2 200			48.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper Rad. m	
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall			
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms		
10.7	58.7	49.0	18 000*b	52.4 45.8	48.1 47.1	15 200* 12 800*	57.8	48.6	17 800*b											
11.0	56.8	48.8	17 100*b																	
12.0	50.6	47.9	14 400*																	
13.0	43.8	46.9	12 300*																	
14.0	35.9	45.6	10 700*																	
15.0	25.7	43.7	9 400*	38.2	45.9	11 200*	51.8	47.8	15 000*	51.1 44.3 36.5	47.4 46.4 45.0	14 800* 12 700* 10 900*								
16.0				28.9	44.2	9 800*	45.1	46.8	12 700*											
17.0							37.4	45.5	11 100*											
18.0							27.8	43.8	9 700*											
19.0																				
20.0													51.7	46.7	15 100*	51.9 45.2 37.6	45.7 44.7 43.5	15 300* 13 200* 11 300*	20.0	
21.0													45.0	45.7	13 000*				21.0	
22.0													37.4	44.4	11 200*				22.0	
23.0																				23.0
24.0																				24.0
25.0																		25.0		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms			
10.7	58.7	49.0	15 000*	52.4	48.1	12 700*	57.8	48.6	14 900*									10.7			
11.0	56.8	48.8	14 300*																11.0		
12.0	50.6	47.9	12 000*																12.0		
13.0	43.8	46.9	10 200*																13.0		
14.0	35.9	45.6	8 800*																14.0		
15.0	25.7	43.7	7 700*	38.2	45.9	9 200*	51.8	47.8	12 500*	57.2	48.2	14 800*					15.0				
16.0				28.9	44.2	8 000*	45.1	46.8	10 500*									57.0	48.0	14 800*	16.0
17.0							37.4	45.5	9 100*									51.1	47.4	12 200*	17.0
18.0							27.8	43.8	7 900*									44.3	46.4	10 400*	18.0
19.0																		36.5	45.0	9 000*	57.8
20.0													51.7	46.7	12 500*			20.0			
21.0													45.0	45.7	10 600*			21.0			
22.0													37.4	44.4	9 200*			22.0			
23.0																51.9	45.7	12 700*	23.0		
24.0																45.2	44.7	10 900*	24.0		
25.0																37.6	43.5	9 300*	25.0		



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	58.7	49.0	13 300*	65.7	49.7	17 500*b												10.7	
11.0	56.8	48.8	12 600*	64.0	49.5	16 500*b												11.0	
12.0	50.6	47.9	10 500*	58.4	48.9	13 300*												12.0	
13.0	43.8	46.9	8 900*	52.4	48.1	10 900*												13.0	
14.0	35.9	45.6	7 700*	45.8	47.1	9 300*	57.8	48.6	13 100*									14.0	
15.0	25.7	43.7	6 700*	38.2	45.9	8 000*	51.8	47.8	10 900*									15.0	
16.0				28.9	44.2	6 900*	45.1	46.8	9 200*	57.2	48.2	13 000*						16.0	
17.0							37.4	45.5	8 000*	51.1	47.4	10 700*						17.0	
18.0							27.8	43.8	6 900*	44.3	46.4	9 100*						18.0	
19.0										36.5	45.0	7 800*	57.8	47.5	13 400*			19.0	
20.0													51.7	46.7	11 000*			20.0	
21.0													45.0	45.7	9 300*			21.0	
22.0													37.4	44.4	8 000*			22.0	
23.0																51.9	45.7	11 200*	
24.0																45.2	44.7	9 500*	
25.0																37.6	43.5	8 100*	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	65.7	52.5	19 200*	70.9	53.0	25 400*b												10.7	
11.0	64.2	52.4	18 200*	69.6	52.9	23 900*b												11.0	
12.0	59.8	51.8	15 300*	65.4	52.4	19 300*												12.0	
13.0	55.2	51.1	13 000*	61.1	51.8	15 800*												13.0	
14.0	50.3	50.2	11 300*	56.5	51.2	13 600*	65.0	52.1	19 100*									14.0	
15.0	45.0	49.2	9 900*	51.7	50.4	11 700*	60.6	51.6	15 900*									15.0	
16.0	39.0	48.0	8 700*	46.5	49.4	10 200*	56.1	50.9	13 400*	64.5	51.8	18 900*						16.0	
17.0	32.1	46.5	7 800*	40.7	48.3	9 000*	51.2	50.1	11 700*	60.1	51.2	15 500*						17.0	
18.0	23.2	44.4	6 900*	34.1	46.9	8 000*	45.9	49.1	10 200*	55.5	50.5	13 200*						18.0	
19.0				25.9	45.0	7 100*	40.1	48.0	9 000*	50.6	49.7	11 500*						19.0	
20.0							33.4	46.5	8 000*	45.3	48.7	10 100*	60.6	50.5	16 100*			20.0	
21.0							25.0	44.5	7 100*	39.4	47.5	8 900*	56.0	49.8	13 700*			21.0	
22.0										32.6	46.0	7 900*	51.2	49.0	11 800*			22.0	
23.0													45.9	48.0	10 300*			23.0	
24.0													40.1	46.9	9 100*			24.0	
25.0													33.3	45.4	8 000*	51.3	48.0	12 000*	
26.0																46.0	47.1	10 400*	
27.0																40.2	45.9	9 200*	
28.0																33.5	44.4	8 100*	

Liftcrane Luffing Jib

Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

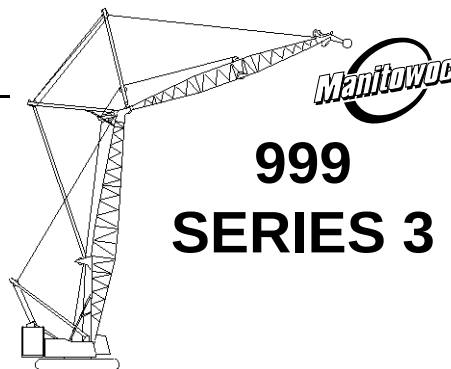
5 m/s with 64.0m thru 73.2m Luffing Jib



999
SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m															
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall																
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms												
9.1	67.1	49.9	17 200*	64.0	49.5	15 300*	57.8	48.6	12 100*	57.2	48.2	12 100*	57.8	47.5	12 500*	51.9	45.7	10 400*	9.1															
10.0	62.5	49.4	14 500*																	58.4	48.9	12 400*	51.8	47.8	10 100*	51.1	47.4	10 000*	51.7	46.7	10 300*	44.7	8 900*	10.0
11.0	56.8	48.8	11 600*																	52.4	48.1	10 200*	45.1	46.8	8 700*	44.3	46.4	8 600*	45.0	45.7	8 700*	44.7	8 900*	11.0
12.0	50.6	47.9	9 800*																	28.9	44.2	6 600*	37.4	45.5	7 500*	36.5	45.0	7 400*	37.4	44.4	7 600*	43.5	7 600*	12.0
13.0	43.8	46.9	8 400*																	27.8	43.8	6 500*	27.8	43.8	6 500*	27.8	43.8	6 500*	27.8	43.8	6 500*	27.8	43.8	6 500*
14.0	35.9	45.6	7 300*																14.0															
15.0	25.7	43.7	6 400*																15.0															
16.0																			16.0															
17.0																			17.0															
18.0																			18.0															
19.0																			19.0															
20.0																			20.0															
21.0																			21.0															
22.0																			22.0															
23.0																			23.0															
24.0																			24.0															
25.0																			25.0															



999 SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
9.1	72.0	53.2	24 000*															9.1	
10.0	68.5	52.8	20 200*															10.0	
11.0	64.2	52.4	16 100*	69.6	52.9	21 300*												11.0	
12.0	59.8	51.8	13 600*	65.4	52.4	17 300*												12.0	
13.0	55.2	51.1	11 600*	61.1	51.8	14 200*												13.0	
14.0	50.3	50.2	10 100*	56.5	51.2	12 100*	65.0	52.1	17 000*									14.0	
15.0	45.0	49.2	8 800*	51.7	50.4	10 500*	60.6	51.6	14 200*									15.0	
16.0	39.0	48.0	7 800*	46.5	49.4	9 200*	56.1	50.9	12 000*	64.5	51.8	16 900*						16.0	
17.0	32.1	46.5	6 900*	40.7	48.3	8 100*	51.2	50.1	10 400*	60.1	51.2	13 900*						17.0	
18.0	23.2	44.4	6 100*	34.1	46.9	7 200*	45.9	49.1	9 100*	55.5	50.5	11 800*						18.0	
19.0				25.9	45.0	6 400*	40.1	48.0	8 000*	50.6	49.7	10 300*						19.0	
20.0							33.4	46.5	7 100*	45.3	48.7	9 000*	60.6	50.5	14 300*			20.0	
21.0							25.0	44.5	6 300*	39.4	47.5	7 900*	56.0	49.8	12 300*			21.0	
22.0										32.6	46.0	7 000*	51.2	49.0	10 500*			22.0	
23.0													45.9	48.0	9 200*			23.0	
24.0													40.1	46.9	8 100*			24.0	
25.0													33.3	45.4	7 100*	51.3	48.0	25.0	
26.0																46.0	47.1	26.0	
27.0																40.2	45.9	27.0	
28.0																33.5	44.4	28.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.1	56.4	26 300*																9.1
10.0	72.2	56.1	23 800*																10.0
11.0	68.9	55.7	20 800*																11.0
12.0	65.4	55.3	17 400*																12.0
13.0	61.8	54.7	14 700*	66.3	55.3	18 400*													13.0
14.0	58.1	54.1	12 900*	62.8	54.8	15 400*	69.5	55.5	21 600*										14.0
15.0	54.2	53.4	11 300*	59.1	54.2	13 400*	66.0	55.0	18 100*										15.0
16.0	50.1	52.5	9 900*	55.3	53.5	11 700*	62.4	54.5	15 200*										16.0
17.0	45.7	51.6	8 900*	51.2	52.7	10 300*	58.7	53.9	13 200*	65.6	54.7	17 800*							17.0
18.0	40.9	50.4	7 900*	46.9	51.8	9 200*	54.9	53.2	11 600*	62.0	54.1	15 200*							18.0
19.0	35.6	49.1	7 100*	42.3	50.7	8 200*	50.8	52.4	10 300*	58.3	53.5	13 100*							19.0
20.0	29.3	47.4	6 400*	37.1	49.4	7 400*	46.5	51.4	9 100*	54.4	52.8	11 500*							20.0
21.0	21.4	45.0	5 800*	31.2	47.8	6 700*	41.8	50.3	8 200*	50.4	52.0	10 200*							21.0
22.0				23.8	45.7	6 000*	36.6	49.0	7 300*	46.0	51.0	9 100*	58.7	52.8	13 500*				22.0
23.0							30.5	47.4	6 600*	41.2	49.9	8 100*	54.9	52.1	11 700*				23.0
24.0							23.0	45.2	6 000*	35.9	48.5	7 300*	50.8	51.3	10 300*				24.0
25.0										29.8	46.8	6 600*	46.4	50.4	9 200*				25.0
26.0													41.7	49.2	8 300*	55.0	51.1	11 800*	26.0
27.0													36.5	47.9	7 400*	50.9	50.3	10 500*	27.0
28.0													30.5	46.3	6 700*	46.6	49.4	9 300*	28.0
29.0																41.9	48.3	8 300*	29.0
30.0																36.6	46.9	7 500*	30.0
31.0																30.6	45.3	6 700*	31.0
32.0																23.1	43.2	6 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	73.0	59.1	26 300*															10.7	
11.0	72.0	59.0	25 300*															11.0	
12.0	69.2	58.6	22 500*															12.0	
13.0	66.2	58.2	19 600*	69.9	58.6	23 500*												13.0	
14.0	63.2	57.7	16 800*	67.0	58.2	20 200*												14.0	
15.0	60.0	57.1	14 800*	64.0	57.7	17 500*												15.0	
16.0	56.8	56.4	13 100*	60.9	57.1	15 300*	66.7	57.9	20 200*									16.0	
17.0	53.4	55.7	11 700*	57.7	56.5	13 600*	63.7	57.4	17 400*									17.0	
18.0	49.9	54.8	10 500*	54.4	55.8	12 100*	60.6	56.9	15 200*									18.0	
19.0	46.2	53.9	9 500*	50.9	55.0	10 900*	57.4	56.2	13 500*	63.4	57.1	17 300*						19.0	
20.0	42.2	52.8	8 600*	47.2	54.1	9 800*	54.1	55.5	12 000*	60.2	56.5	15 100*						20.0	
21.0	37.8	51.5	7 800*	43.3	53.0	8 800*	50.6	54.7	10 800*	57.0	55.8	13 400*						21.0	
22.0	33.0	50.0	7 100*	39.1	51.8	8 000*	46.9	53.7	9 700*	53.7	55.1	11 900*						22.0	
23.0	27.3	48.2	6 500*	34.4	50.4	7 300*	42.9	52.7	8 800*	50.2	54.3	10 700*	60.6	55.8	15 400*			23.0	
24.0	20.0	45.7	5 900*	28.9	48.6	6 700*	38.6	51.4	8 000*	46.4	53.3	9 700*	57.4	55.2	13 700*			24.0	
25.0				22.2	46.4	6 100*	33.9	50.0	7 300*	42.5	52.2	8 800*	54.0	54.4	12 200*			25.0	
26.0							28.4	48.2	6 700*	38.1	51.0	8 000*	50.5	53.6	11 000*			26.0	
27.0							21.5	45.9	6 100*	33.3	49.5	7 300*	46.8	52.7	9 900*			27.0	
28.0										27.7	47.7	6 600*	42.9	51.6	8 900*	54.1	53.4	12 300*	
29.0													38.6	50.4	8 100*	50.6	52.6	11 000*	
30.0													33.8	48.9	7 400*	46.9	51.7	9 900*	
31.0													28.3	47.1	6 700*	43.0	50.6	9 000*	
32.0													21.4	44.8	6 200*	38.7	49.4	8 200*	
33.0																33.9	47.9	7 500*	
34.0																28.4	46.2	6 800*	
35.0																21.6	43.8	6 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

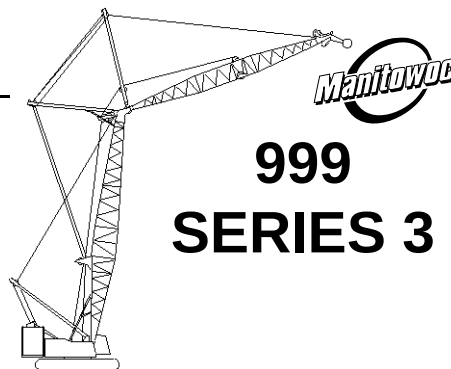
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.2	62.3	26 300*																10.7
11.0	74.4	62.2	26 300*																11.0
12.0	71.9	61.9	26 300*																12.0
13.0	69.4	61.5	23 600*																13.0
14.0	66.8	61.1	20 400*	70.1	61.5	24 500*													14.0
15.0	64.2	60.6	18 000*	67.5	61.1	21 400*													15.0
16.0	61.5	60.0	16 000*	64.9	60.6	18 700*													16.0
17.0	58.7	59.4	14 400*	62.2	60.1	16 600*	67.3	60.8	21 100*										17.0
18.0	55.9	58.7	13 000*	59.5	59.5	14 800*	64.6	60.4	18 600*										18.0
19.0	52.9	58.0	11 700*	56.6	58.8	13 400*	62.0	59.8	16 500*										19.0
20.0	49.8	57.1	10 700*	53.7	58.1	12 100*	59.2	59.2	14 800*	64.3	60.0	18 400*							20.0
21.0	46.6	56.2	9 800*	50.7	57.3	11 000*	56.4	58.5	13 300*	61.7	59.4	16 400*							21.0
22.0	43.1	55.1	8 900*	47.5	56.4	10 000*	53.4	57.8	12 100*	58.9	58.8	14 700*							22.0
23.0	39.4	53.9	8 200*	44.1	55.3	9 200*	50.4	57.0	11 000*	56.0	58.2	13 200*							23.0
24.0	35.4	52.5	7 500*	40.5	54.2	8 400*	47.1	56.1	10 000*	53.1	57.4	12 000*							24.0
25.0	30.9	50.9	6 900*	36.5	52.8	7 800*	43.7	55.0	9 200*	50.0	56.6	10 900*	59.2	58.1	15 000*				25.0
26.0	25.6	48.9	6 400*	32.2	51.3	7 200*	40.1	53.8	8 400*	46.8	55.6	10 000*	56.3	57.5	13 500*				26.0
27.0	19.0	46.3	6 000*	27.2	49.4	6 600*	36.1	52.5	7 700*	43.3	54.6	9 100*	53.4	56.7	12 200*				27.0
28.0				21.0	47.0	6 100*	31.7	50.9	7 100*	39.7	53.4	8 400*	50.3	55.9	11 100*				28.0
29.0							26.6	49.0	6 600*	35.7	52.0	7 700*	47.1	55.0	10 200*	56.4	56.5	13 600*	29.0
30.0							20.3	46.5	6 100*	31.2	50.4	7 100*	43.7	53.9	9 300*	53.5	55.7	12 400*	30.0
31.0										26.0	48.4	6 600*	40.1	52.8	8 500*	50.4	54.9	11 200*	31.0
32.0										19.5	45.9	6 100*	36.1	51.4	7 900*	47.2	54.0	10 300*	32.0
33.0													31.7	49.8	7 300*	43.8	52.9	9 400*	33.0
34.0													26.6	47.9	6 700*	40.2	51.8	8 600*	34.0
35.0													20.3	45.4	6 200*	36.2	50.4	8 000*	35.0
36.0																31.8	48.9	7 400*	36.0
37.0																26.7	47.0	6 800*	37.0
38.0																20.4	44.5	6 300*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

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

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.6	65.0	26 200*															12.2	
13.0	71.8	64.8	26 200*															13.0	
14.0	69.5	64.4	25 500*	72.4	64.8	26 200*												14.0	
15.0	67.3	64.0	22 900*	70.2	64.4	25 900*												15.0	
16.0	64.9	63.5	20 600*	67.9	64.0	24 300*												16.0	
17.0	62.6	63.0	18 600*	65.6	63.5	21 300*	69.9	64.1	25 700*									17.0	
18.0	60.2	62.4	16 800*	63.2	63.0	19 100*	67.7	63.7	23 500*									18.0	
19.0	57.7	61.7	15 200*	60.8	62.5	17 300*	65.4	63.3	21 300*									19.0	
20.0	55.1	61.0	13 900*	58.4	61.8	15 700*	63.0	62.7	19 100*	67.4	63.4	23 600*						20.0	
21.0	52.5	60.3	12 700*	55.8	61.2	14 300*	60.6	62.2	17 200*	65.1	62.9	21 100*						21.0	
22.0	49.7	59.4	11 700*	53.2	60.4	13 100*	58.1	61.6	15 700*	62.7	62.4	18 900*						22.0	
23.0	46.8	58.5	10 800*	50.5	59.6	12 000*	55.6	60.9	14 300*	60.3	61.8	17 100*						23.0	
24.0	43.8	57.5	9 900*	47.6	58.7	11 100*	52.9	60.1	13 100*	57.8	61.2	15 600*						24.0	
25.0	40.6	56.3	9 200*	44.7	57.7	10 200*	50.2	59.3	12 000*	55.3	60.5	14 200*						25.0	
26.0	37.2	55.0	8 500*	41.5	56.5	9 500*	47.4	58.4	11 100*	52.6	59.7	13 000*	60.6	61.1	17 400*			26.0	
27.0	33.4	53.5	7 900*	38.1	55.3	8 800*	44.4	57.3	10 200*	49.9	58.9	12 000*	58.1	60.5	15 900*			27.0	
28.0	29.2	51.8	7 300*	34.5	53.9	8 100*	41.2	56.2	9 500*	47.0	57.9	11 000*	55.5	59.8	14 500*			28.0	
29.0	24.3	49.7	6 800*	30.4	52.2	7 500*	37.8	54.9	8 800*	44.0	56.9	10 200*	52.9	59.0	13 300*			29.0	
30.0	18.1	46.9	6 400*	25.7	50.2	7 000*	34.1	53.5	8 100*	40.8	55.8	9 500*	50.2	58.2	12 200*			30.0	
31.0				20.0	47.7	6 500*	30.0	51.8	7 500*	37.4	54.5	8 800*	47.3	57.3	11 300*	55.6	58.8	14 600*	31.0
32.0				11.6	43.8	6 100*	25.2	49.8	7 000*	33.7	53.0	8 100*	44.3	56.3	10 400*	53.0	58.0	13 400*	32.0
33.0							19.4	47.2	6 500*	29.5	51.3	7 500*	41.2	55.1	9 600*	50.2	57.2	12 300*	33.0
34.0										24.7	49.2	7 000*	37.8	53.9	8 900*	47.4	56.3	11 400*	34.0
35.0										18.6	46.5	6 500*	34.1	52.4	8 300*	44.4	55.3	10 500*	35.0
36.0													30.0	50.7	7 700*	41.2	54.1	9 700*	36.0
37.0													25.2	48.7	7 200*	37.9	52.9	9 000*	37.0
38.0													19.3	46.1	6 700*	34.2	51.4	8 400*	38.0
39.0																30.1	49.7	7 800*	39.0
40.0																25.3	47.7	7 300*	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	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*	59.2	58.1	13 900*				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*	56.3	57.5	12 400*				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*	53.4	56.7	11 300*				27.0
28.0				21.0	47.0	5 600*	31.7	50.9	6 600*	39.7	53.4	7 700*	50.3	55.9	10 300*				28.0
29.0							26.6	49.0	6 100*	35.7	52.0	7 100*	47.1	55.0	9 400*	56.4	56.5	12 600*	29.0
30.0							20.3	46.5	5 600*	31.2	50.4	6 600*	43.7	53.9	8 600*	53.5	55.7	11 400*	30.0
31.0										26.0	48.4	6 000*	40.1	52.8	7 900*	50.4	54.9	10 400*	31.0
32.0										19.5	45.9	5 600*	36.1	51.4	7 300*	47.2	54.0	9 500*	32.0
33.0													31.7	49.8	6 700*	43.8	52.9	8 700*	33.0
34.0													26.6	47.9	6 200*	40.2	51.8	8 000*	34.0
35.0													20.3	45.4	5 700*	36.2	50.4	7 300*	35.0
36.0																31.8	48.9	6 800*	36.0
37.0																26.7	47.0	6 300*	37.0
38.0																20.4	44.5	5 800*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	60.6	61.1	16 000*			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*	58.1	60.5	14 500*			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*	55.5	59.8	13 200*			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*	52.9	59.0	12 200*			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*	50.2	58.2	11 200*			30.0	
31.0				20.0	47.7	5 900*	30.0	51.8	6 800*	37.4	54.5	8 000*	47.3	57.3	10 300*	55.6	58.8	13 400	31.0
32.0				11.6	43.8	5 500*	25.2	49.8	6 400*	33.7	53.0	7 400*	44.3	56.3	9 500*	53.0	58.0	12 200	32.0
33.0							19.4	47.2	5 900*	29.5	51.3	6 900*	41.2	55.1	8 800*	50.2	57.2	11 300*	33.0
34.0										24.7	49.2	6 400*	37.8	53.9	8 100*	47.4	56.3	10 400*	34.0
35.0										18.6	46.5	6 000*	34.1	52.4	7 600*	44.4	55.3	9 600*	35.0
36.0													30.0	50.7	7 000*	41.2	54.1	8 900*	36.0
37.0													25.2	48.7	6 500*	37.9	52.9	8 300*	37.0
38.0													19.3	46.1	6 100*	34.2	51.4	7 700*	38.0
39.0																30.1	49.7	7 100*	39.0
40.0																25.3	47.7	6 600	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

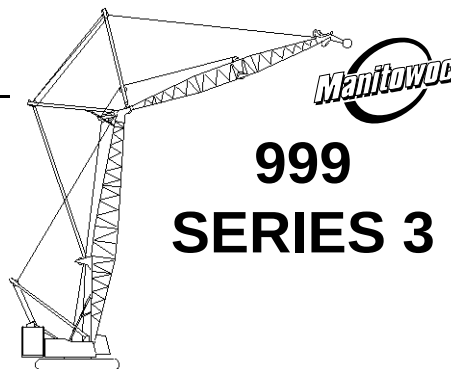
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	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*	59.2	58.1	12 800*				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*	56.3	57.5	11 500*				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*	53.4	56.7	10 400*				27.0
28.0				21.0	47.0	5 200*	31.7	50.9	6 000*	39.7	53.4	7 100*	50.3	55.9	9 500*				28.0
29.0							26.6	49.0	5 600*	35.7	52.0	6 500*	47.1	55.0	8 700*	56.4	56.5	11 600*	29.0
30.0							20.3	46.5	5 100*	31.2	50.4	6 000*	43.7	53.9	7 900*	53.5	55.7	10 600*	30.0
31.0										26.0	48.4	5 600*	40.1	52.8	7 300*	50.4	54.9	9 600*	31.0
32.0										19.5	45.9	5 100*	36.1	51.4	6 700*	47.2	54.0	8 800*	32.0
33.0													31.7	49.8	6 200*	43.8	52.9	8 000*	33.0
34.0													26.6	47.9	5 700*	40.2	51.8	7 400*	34.0
35.0													20.3	45.4	5 200*	36.2	50.4	6 800*	35.0
36.0																31.8	48.9	6 200*	36.0
37.0																26.7	47.0	5 700*	37.0
38.0																20.4	44.5	5 300*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	60.6	61.1	14 700*			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*	58.1	60.5	13 400*			27.0	
28.0	29.2	51.8	6 100*	34.5	53.9	6 700*	41.2	56.2	7 900*	47.0	57.9	9 300*	55.5	59.8	12 200*			28.0	
29.0	24.3	49.7	5 600*	30.4	52.2	6 200*	37.8	54.9	7 300*	44.0	56.9	8 500*	52.9	59.0	11 200*			29.0	
30.0	18.1	46.9	5 300*	25.7	50.2	5 800*	34.1	53.5	6 800*	40.8	55.8	7 900*	50.2	58.2	10 200*			30.0	
31.0				20.0	47.7	5 400*	30.0	51.8	6 300*	37.4	54.5	7 300*	47.3	57.3	9 400*	55.6	58.8	11 700	31.0
32.0				11.6	43.8	5 100*	25.2	49.8	5 800*	33.7	53.0	6 800*	44.3	56.3	8 700*	53.0	58.0	10 700	32.0
33.0							19.4	47.2	5 400*	29.5	51.3	6 300*	41.2	55.1	8 100*	50.2	57.2	9 800	33.0
34.0										24.7	49.2	5 800*	37.8	53.9	7 500*	47.4	56.3	9 000	34.0
35.0										18.6	46.5	5 400*	34.1	52.4	6 900*	44.4	55.3	8 200	35.0
36.0													30.0	50.7	6 400*	41.2	54.1	7 400	36.0
37.0													25.2	48.7	6 000*	37.9	52.9	6 700	37.0
38.0													19.3	46.1	5 600*	34.2	51.4	6 000	38.0
39.0																30.1	49.7	5 400	39.0
40.0																25.3	47.7	4 800	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	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	7 300*	42.3	58.9	8 100*	47.5	60.7	9 500*	52.3	62.0	11 000*	59.5	63.5	14 400*				28.0
29.0	35.3	56.0	6 800*	39.4	57.7	7 500*	44.9	59.7	8 800*	49.8	61.2	10 200*	57.2	62.8	13 200*				29.0
30.0	31.8	54.4	6 300*	36.2	56.3	7 000*	42.0	58.6	8 100*	47.2	60.2	9 500*	54.9	62.1	12 200*				30.0
31.0	27.8	52.6	5 900*	32.8	54.8	6 500*	39.1	57.3	7 600*	44.5	59.2	8 800*	52.5	61.3	11 200*				31.0
32.0	23.2	50.4	5 500*	28.9	53.0	6 100*	35.9	56.0	7 100*	41.7	58.1	8 200*	50.1	60.5	10 400*	57.3	61.8	10 700	32.0
33.0	17.5	47.5	5 200*	24.6	51.0	5 700*	32.4	54.4	6 600*	38.7	56.9	7 600*	47.5	59.6	9 700*	55.0	61.1	9 800	33.0
34.0				19.2	48.3	5 300*	28.5	52.6	6 100*	35.5	55.5	7 100*	44.8	58.6	9 000*	52.6	60.3	9 000	34.0
35.0				11.5	44.3	4 900*	24.1	50.5	5 700*	32.0	53.9	6 600*	42.0	57.5	8 400*	50.1	59.5	8 200	35.0
36.0							18.6	47.8	5 400*	28.1	52.1	6 200*	39.0	56.3	7 800*	47.6	58.6	7 500	36.0
37.0										23.5	49.9	5 800*	35.8	54.9	7 300*	44.9	57.6	6 800	37.0
38.0										17.9	47.1	5 400*	32.4	53.3	6 800*	42.1	56.5	6 100	38.0
39.0													28.5	51.6	6 300	39.1	55.3	5 500	39.0
40.0													24.1	49.4	5 700	35.9	53.9	4 900	40.0
42.0																28.6	50.6	3 800	42.0
44.0																18.7	45.7	2 800	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
13.7	73.9	70.9	24 800*															13.7	
14.0	73.4	70.9	24 100*															14.0	
15.0	71.6	70.5	21 700*															15.0	
16.0	69.8	70.1	19 700*	72.1	70.5	22 500*												16.0	
17.0	67.9	69.7	18 000*	70.3	70.2	20 300*												17.0	
18.0	66.0	69.3	16 500*	68.4	69.8	18 400*												18.0	
19.0	64.1	68.8	15 100*	66.6	69.3	16 900*												19.0	
20.0	62.2	68.3	13 900*	64.7	68.8	15 500*	68.3	69.5	18 300*									20.0	
21.0	60.2	67.7	12 900*	62.7	68.3	14 300*	66.4	69.1	16 800*									21.0	
22.0	58.2	67.1	11 900*	60.8	67.8	13 200*	64.5	68.6	15 300*									22.0	
23.0	56.1	66.4	11 000*	58.8	67.2	12 200*	62.5	68.1	14 200*	66.2	68.7	16 600*						23.0	
24.0	54.0	65.7	10 100*	56.7	66.5	11 300*	60.6	67.5	13 100*	64.3	68.2	15 300*						24.0	
25.0	51.8	64.9	9 300*	54.6	65.8	10 400*	58.6	66.9	12 100*	62.3	67.7	14 000*						25.0	
26.0	49.6	64.0	8 500*	52.4	65.0	9 600*	56.5	66.2	11 300*	60.3	67.1	13 000*						26.0	
27.0	47.2	63.1	7 900*	50.2	64.2	8 800*	54.4	65.5	10 400*	58.3	66.5	12 000*						27.0	
28.0	44.8	62.1	7 300*	47.9	63.3	8 100*	52.2	64.7	9 700*	56.3	65.8	11 200*						28.0	
29.0	42.3	61.0	6 700*	45.5	62.3	7 500*	50.0	63.9	8 900*	54.2	65.1	10 400*	60.6	66.4	13 100*			29.0	
30.0	39.6	59.8	6 200*	43.0	61.2	7 000*	47.7	63.0	8 200*	52.0	64.3	9 600*	58.5	65.8	12 100*			30.0	
31.0	36.8	58.5	5 700*	40.3	60.1	6 400*	45.3	62.0	7 600*	49.7	63.5	8 900*	56.5	65.1	11 300*			31.0	
32.0	33.7	57.0	5 300*	37.5	58.8	5 900*	42.7	60.9	7 000*	47.4	62.5	8 200*	54.4	64.4	10 500*			32.0	
33.0	30.4	55.3	4 900*	34.6	57.3	5 500*	40.1	59.7	6 500*	45.0	61.5	7 600*	52.2	63.6	9 800*			33.0	
34.0	26.6	53.4	4 500*	31.3	55.7	5 100*	37.3	58.4	6 000*	42.4	60.5	7 000*	50.0	62.8	9 100*	56.5	64.1	8 800	
35.0	22.3	51.1	4 200*	27.7	53.9	4 700*	34.3	57.0	5 600*	39.8	59.3	6 500*	47.6	61.9	8 400*	54.4	63.4	8 000	
36.0	16.9	48.1	3 900*	23.6	51.7	4 400*	31.0	55.3	5 100*	36.9	57.9	6 000*	45.2	60.9	7 800*	52.3	62.6	7 300	
37.0				18.5	48.9	3 900*	27.3	53.5	4 700*	33.9	56.5	5 600*	42.7	59.8	7 200*	50.0	61.8	6 600	
38.0				11.4	44.9	3 100*	23.1	51.2	4 400*	30.6	54.8	5 200*	40.1	58.6	6 700*	47.7	60.9	6 000	
39.0							18.0	48.4	4 100*	26.9	52.9	4 800*	37.2	57.3	6 200	45.3	59.9	5 300	
40.0										22.6	50.6	4 400*	34.2	55.9	5 600	42.8	58.8	4 800	
42.0													27.3	52.4	4 500	37.3	56.4	3 700	
44.0													17.9	47.3	3 600	31.0	53.3	2 700	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

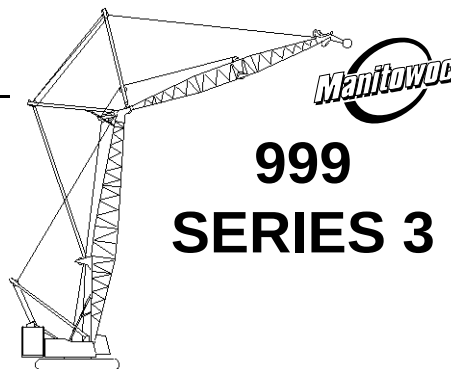
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms		
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m			
13.7	75.3	74.1	26 200*																13.7	
14.0	74.8	74.0	25 600*																14.0	
15.0	73.2	73.7	23 600*																15.0	
16.0	71.5	73.4	21 600*																16.0	
17.0	69.9	73.0	19 800*	72.0	73.4	22 200*													17.0	
18.0	68.2	72.6	18 200*	70.3	73.0	20 300*													18.0	
19.0	66.5	72.2	16 800*	68.6	72.6	18 600*													19.0	
20.0	64.7	71.7	15 500*	66.9	72.2	17 200*	70.2	72.8	20 100*										20.0	
21.0	63.0	71.2	14 400*	65.2	71.7	15 900*	68.5	72.4	18 500*										21.0	
22.0	61.2	70.6	13 400*	63.4	71.2	14 700*	66.8	71.9	17 000*										22.0	
23.0	59.3	70.0	12 500*	61.6	70.7	13 700*	65.0	71.5	15 800*										23.0	
24.0	57.5	69.4	11 700*	59.8	70.1	12 800*	63.3	71.0	14 600*										24.0	
25.0	55.6	68.7	10 900*	58.0	69.5	11 900*	61.5	70.4	13 600*	64.8	71.1	15 700*							25.0	
26.0	53.6	68.0	10 200*	56.1	68.8	11 200*	59.7	69.8	12 700*	63.1	70.6	14 500*							26.0	
27.0	51.6	67.2	9 500*	54.1	68.1	10 500*	57.8	69.2	11 900*	61.3	70.0	13 500*							27.0	
28.0	49.5	66.3	8 800*	52.1	67.3	9 800*	55.9	68.5	11 100*	59.4	69.5	12 600*							28.0	
29.0	47.4	65.4	8 200*	50.1	66.5	9 100*	53.9	67.8	10 400*	57.6	68.8	11 800*							29.0	
30.0	45.2	64.4	7 600*	48.0	65.6	8 500*	52.0	67.0	9 800*	55.7	68.1	11 000*							30.0	
31.0	42.9	63.3	7 100*	45.8	64.6	7 900*	49.9	66.2	9 200*	53.7	67.4	10 300*	59.6	68.8	12 400				31.0	
32.0	40.5	62.2	6 600*	43.5	63.6	7 300*	47.8	65.3	8 500*	51.7	66.6	9 700*	57.8	68.1	11 400				32.0	
33.0	37.9	60.9	6 100*	41.1	62.4	6 800*	45.6	64.3	7 900*	49.7	65.8	9 100*	55.9	67.5	10 600				33.0	
34.0	35.2	59.5	5 700*	38.6	61.2	6 300*	43.3	63.2	7 400*	47.5	64.8	8 600*	53.9	66.7	9 700				34.0	
35.0	32.3	58.0	5 300*	36.0	59.8	5 900*	40.9	62.1	6 900*	45.3	63.9	8 000*	51.9	65.9	9 000				35.0	
36.0	29.1	56.2	5 000*	33.1	58.3	5 500*	38.4	60.8	6 400*	43.0	62.8	7 400*	49.9	65.1	8 300	55.9	66.5	7 300	36.0	
37.0	25.6	54.2	4 600*	30.0	56.6	5 100*	35.7	59.5	6 000*	40.6	61.6	6 900*	47.8	64.2	7 600	54.0	65.7	6 700	37.0	
38.0	21.5	51.8	4 300*	26.6	54.7	4 800*	32.8	57.9	5 600*	38.1	60.4	6 400*	45.6	63.2	7 000	52.0	64.9	6 000	38.0	
39.0	16.4	48.7	3 100*	22.7	52.4	4 500*	29.7	56.2	5 200*	35.4	59.0	6 000*	43.3	62.2	6 300	49.9	64.1	5 400	39.0	
40.0							26.3	54.3	4 900*	32.5	57.4	5 600*	40.9	61.0	5 700	47.8	63.2	4 900	40.0	
42.0							17.4	49.0	3 900*	25.9	53.7	4 900*	35.7	58.4	4 600	43.3	61.2	3 800	42.0	
44.0										16.8	48.3	4 000*	29.7	55.1	3 700	38.4	58.8	2 800	44.0	
46.0													22.2	50.8	2 800				46.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

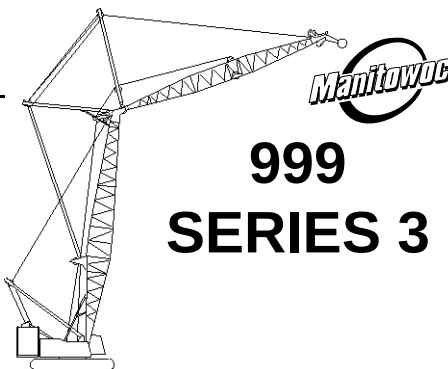
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms		
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m			
15.2	74.2	76.8	22 300*																15.2	
16.0	73.0	76.6	20 800*																16.0	
17.0	71.5	76.3	19 000*	73.4	76.6	21 300*													17.0	
18.0	69.9	75.9	17 500*	71.9	76.3	19 500*													18.0	
19.0	68.4	75.5	16 100*	70.4	75.9	17 900*													19.0	
20.0	66.8	75.1	14 800*	68.8	75.5	16 400*													20.0	
21.0	65.2	74.6	13 700*	67.2	75.1	15 200*													21.0	
22.0	63.6	74.1	12 700*	65.6	74.6	14 000*	68.7	75.3	16 400*										22.0	
23.0	61.9	73.6	11 800*	64.0	74.2	13 000*	67.1	74.8	15 100*										23.0	
24.0	60.3	73.0	11 000*	62.4	73.6	12 100*	65.5	74.4	14 000*										24.0	
25.0	58.6	72.4	10 200*	60.7	73.1	11 200*	63.9	73.9	12 900*	66.9	74.5	15 000*							25.0	
26.0	56.8	71.7	9 500*	59.0	72.5	10 400*	62.2	73.4	12 000*	65.3	74.0	13 800*							26.0	
27.0	55.1	71.0	8 900*	57.3	71.8	9 700*	60.6	72.8	11 200*	63.7	73.5	12 800*							27.0	
28.0	53.2	70.3	8 300*	55.5	71.1	9 100*	58.9	72.2	10 400*	62.0	73.0	11 900*							28.0	
29.0	51.4	69.5	7 800*	53.7	70.4	8 500*	57.1	71.5	9 700*	60.4	72.4	11 100*							29.0	
30.0	49.5	68.6	7 300*	51.9	69.6	7 900*	55.4	70.8	9 100*	58.7	71.8	10 300*							30.0	
31.0	47.5	67.7	6 800*	50.0	68.8	7 400*	53.6	70.1	8 400*	56.9	71.1	9 600*							31.0	
32.0	45.5	66.7	6 300*	48.1	67.9	6 900*	51.7	69.3	7 900*	55.2	70.4	9 000*	60.5	71.7	11 100				32.0	
33.0	43.4	65.7	5 900*	46.1	66.9	6 500*	49.8	68.5	7 400*	53.4	69.7	8 400*	58.9	71.1	10 300				33.0	
34.0	41.2	64.5	5 500*	44.0	65.9	6 100*	47.9	67.6	6 900*	51.5	68.9	7 900*	57.1	70.5	9 500				34.0	
35.0	38.9	63.3	5 200*	41.8	64.8	5 600*	45.9	66.6	6 500*	49.6	68.1	7 300*	55.4	69.8	8 700				35.0	
36.0	36.5	62.0	4 800*	39.5	63.6	5 300*	43.8	65.6	6 000*	47.7	67.1	6 900*	53.6	69.0	8 000				36.0	
37.0	33.9	60.5	4 400*	37.1	62.3	4 900*	41.6	64.4	5 600*	45.6	66.2	6 400*	51.7	68.2	7 400	57.2	69.5	6 400	37.0	
38.0	31.1	58.9	4 100*	34.6	60.8	4 600*	39.3	63.2	5 300*	43.5	65.1	6 000*	49.8	67.4	6 700	55.4	68.8	5 800	38.0	
39.0	28.1	57.0	3 800*	31.9	59.2	4 300*	36.9	61.9	4 900*	41.3	64.0	5 600*	47.9	66.5	6 100	53.6	68.0	5 200	39.0	
40.0	24.7	54.9	3 400*	28.9	57.5	3 900*	34.4	60.5	4 600*	39.0	62.8	5 300*	45.8	65.5	5 500	51.8	67.2	4 600	40.0	
42.0				22.0	53.1	3 100*	28.6	57.1	4 000*	34.1	60.0	4 600*	41.6	63.4	4 500	47.9	65.5	3 600	42.0	
44.0							21.6	52.6	3 000*	28.3	56.5	4 000*	36.9	60.8	3 500	43.8	63.5	2 600	44.0	
46.0										21.1	52.0	3 000*	31.6	57.8	2 600				46.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

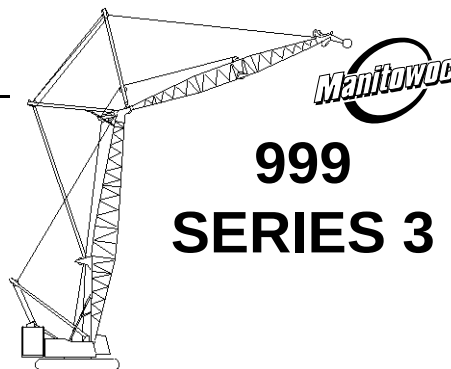
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m						
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall								
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms							
10.7	59.3	52.1	18 400*b																10.7						
11.0	57.4	51.9	17 500*b																11.0						
12.0	51.3	51.1	14 700*																12.0						
13.0	44.6	50.1	12 500*																13.0						
14.0	36.8	48.8	10 900*																14.0						
15.0	27.0	47.0	9 600*	40.0	49.2	11 500*	47.7	50.2	13 700*										15.0						
16.0				31.1	47.7	10 100*													40.4	49.1	11 700*	54.4	50.8	16 300*b	16.0
17.0																			31.7	47.5	10 200*	48.0	49.9	13 800*	17.0
18.0																						40.8	48.8	11 800*	18.0
19.0																									19.0
20.0													56.5	50.3	17 500*b				20.0						
21.0													50.4	49.5	14 800*				21.0						
22.0													43.5	48.4	12 600*				22.0						
23.0													35.5	47.1	11 000*				23.0						
24.0													25.2	45.1	9 600*				24.0						
25.0																45.5	47.6	13 400*	25.0						
26.0																37.9	46.4	11 500*	26.0						
27.0																28.5	44.7	10 000*	27.0						



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.3	52.1	15 400*																10.7
11.0	57.4	51.9	14 600*																11.0
12.0	51.3	51.1	12 200*																12.0
13.0	44.6	50.1	10 400*	53.7	51.3	13 200*													13.0
14.0	36.8	48.8	9 000*	47.3	50.4	11 000*	59.9	51.9	16 100*b										14.0
15.0	27.0	47.0	7 900*	40.0	49.2	9 500*	54.1	51.1	13 400*										15.0
16.0				31.1	47.7	8 300*	47.7	50.2	11 200*	60.2	51.5	16 600*b							16.0
17.0							40.4	49.1	9 700*	54.4	50.8	13 400*							17.0
18.0							31.7	47.5	8 400*	48.0	49.9	11 300*							18.0
19.0										40.8	48.8	9 800*							19.0
20.0													56.5	50.3	14 600*				20.0
21.0													50.4	49.5	12 300*				21.0
22.0													43.5	48.4	10 400*				22.0
23.0													35.5	47.1	9 000*				23.0
24.0													25.2	45.1	7 900*				24.0
25.0																45.5	47.6	11 100*	25.0
26.0																37.9	46.4	9 400*	26.0
27.0																28.5	44.7	8 200*	27.0

Liftcrane Luffing Jib

Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

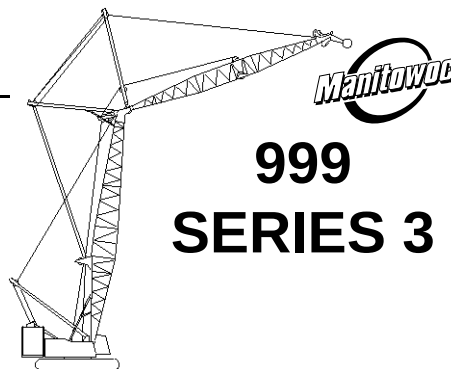
5 m/s with 64.0m thru 73.2m Luffing Jib



999
SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m				
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall					
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms			Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.3	52.1	13 600*	53.7	51.3	11 600*	59.9	51.9	14 300*	60.2	51.5	14 600*		50.4	49.5	10 800*		47.6	9 700*	10.7			
11.0	57.4	51.9	12 900*																	11.0			
12.0	51.3	51.1	10 700*																	12.0			
13.0	44.6	50.1	9 000*																	13.0			
14.0	36.8	48.8	7 800*																	14.0			
15.0	27.0	47.0	6 800*	40.0	49.2	8 300*	54.1	51.1	11 800*	48.0	49.9	9 900*		48.8	8 500*		45.1	6 800*	45.5	15.0			
16.0				31.1	47.7	7 200*	47.7	50.2	9 800*											16.0			
17.0							40.4	49.1	8 400*											54.4	50.8	11 800*	17.0
18.0							31.7	47.5	7 300*														18.0
19.0																							19.0
20.0													56.5	50.3	12 900*				20.0				
21.0													50.4	49.5	10 800*				21.0				
22.0													43.5	48.4	9 100*				22.0				
23.0													35.5	47.1	7 900*				23.0				
24.0													25.2	45.1	6 800*				24.0				
25.0																45.5	47.6	9 700*	25.0				
26.0																37.9	46.4	8 200*	26.0				
27.0																28.5	44.7	7 100*	27.0				



999 SERIES 3

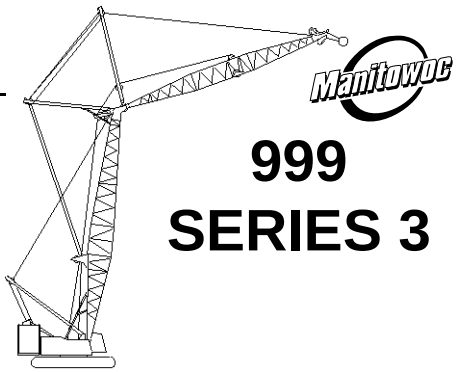
Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 61.0m Luffing Jib	
5 m/s with 64.0m thru 73.2m Luffing Jib	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	66.1	55.6	19 700*															10.7	
11.0	64.7	55.5	18 700*															11.0	
12.0	60.3	54.9	15 600*															12.0	
13.0	55.7	54.2	13 200*	62.0	55.0	16 900*												13.0	
14.0	50.8	53.4	11 400*	57.5	54.4	14 100*	66.6	55.3	20 700*									14.0	
15.0	45.6	52.4	10 000*	52.7	53.6	12 100*	62.3	54.8	17 100*									15.0	
16.0	39.7	51.2	8 800*	47.6	52.7	10 600*	57.8	54.2	14 300*									16.0	
17.0	32.9	49.7	7 800*	42.0	51.6	9 300*	53.0	53.4	12 300*	62.5	54.5	17 300*						17.0	
18.0	24.3	47.7	7 000*	35.6	50.2	8 200*	48.0	52.5	10 700*	58.0	53.9	14 700*						18.0	
19.0				27.9	48.5	7 300*	42.4	51.4	9 400*	53.3	53.1	12 500*						19.0	
20.0							36.0	50.1	8 300*	48.2	52.2	10 900*						20.0	
21.0							28.4	48.4	7 400*	42.6	51.2	9 500*						21.0	
22.0										36.4	49.8	8 400*	55.0	52.6	13 400*			22.0	
23.0													50.1	51.8	11 500*			23.0	
24.0													44.7	50.8	10 100*			24.0	
25.0													38.7	49.5	8 900*			25.0	
26.0													31.7	48.0	7 900*	51.5	50.9	12 100*	
27.0													22.7	45.8	7 000*	46.3	50.0	10 600*	
28.0																40.5	48.8	9 300*	
29.0																33.8	47.4	8 200*	
30.0																25.6	45.4	7 300*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

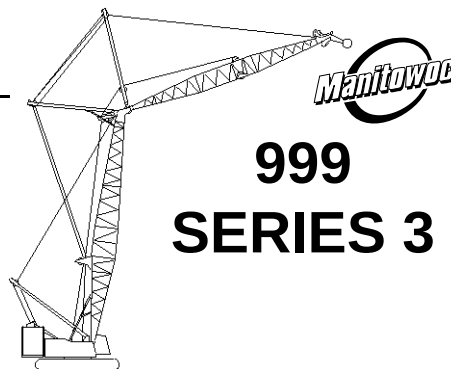
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	67.6	53.0	17 800* ^b	65.1	52.6	16 200*	59.9	51.9	13 000*	60.2	51.5	13 600*		56.5	50.3	11 900*			9.1
10.0	63.0	52.5	14 900*																
11.0	57.4	51.9	11 900*																
12.0	51.3	51.1	10 000*																
13.0	44.6	50.1	8 500*																
14.0	36.8	48.8	7 400*	47.3	50.4	9 100*	59.9	51.9	13 000*	40.4	49.1	8 000*		43.5	48.4	8 500*			10.0
15.0	27.0	47.0	6 400*	40.0	49.2	7 800*	54.1	51.1	10 800*										
16.0				31.1	47.7	6 800*	47.7	50.2	9 200*										
17.0							40.4	49.1	8 000*										
18.0							31.7	47.5	6 900*										
19.0										40.8	48.8	8 000*	56.5	50.3	11 900*			11.0	
20.0																			
21.0																			
22.0																			
23.0																			
24.0													25.2	45.1	6 500*			12.0	
25.0																	45.5	47.6	9 100*
26.0																	37.9	46.4	7 700*
27.0																	28.5	44.7	6 700*



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms
9.1	72.4	56.3	24 800*	70.5	56.0	22 600*															
10.0	68.9	55.9	20 800*																		
11.0	64.7	55.5	16 500*																		
12.0	60.3	54.9	13 800*																		
13.0	55.7	54.2	11 800*																		
14.0	50.8	53.4	10 200*	57.5	54.4	12 600*	66.6	55.3	18 500*												
15.0	45.6	52.4	9 000*	52.7	53.6	10 800*	62.3	54.8	15 300*												
16.0	39.7	51.2	7 900*	47.6	52.7	9 500*	57.8	54.2	12 700*												
17.0	32.9	49.7	7 000*	42.0	51.6	8 300*	53.0	53.4	11 000*										62.5	54.5	15 400*
18.0	24.3	47.7	6 200*	35.6	50.2	7 400*	48.0	52.5	9 500*										58.0	53.9	13 100*
19.0				27.9	48.5	6 500*	42.4	51.4	8 400*	53.3	53.1	11 100*									
20.0							36.0	50.1	7 400*	48.2	52.2	9 700*									
21.0							28.4	48.4	6 600*	42.6	51.2	8 500*									
22.0										36.4	49.8	7 500*							55.0	52.6	12 000*
23.0																			50.1	51.8	10 300*
24.0													44.7	50.8	9 000*	51.5	50.9	10 800*	24.0		
25.0													38.7	49.5	7 900*				25.0		
26.0													31.7	48.0	7 000*				26.0		
27.0													22.7	45.8	6 200*				27.0		
28.0																			40.5	48.8	8 200*
29.0																	33.8	47.4	7 300*	29.0	
30.0																	25.6	45.4	6 500*	30.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.4	59.5	26 300* b																9.1
10.0	72.6	59.2	24 100*																10.0
11.0	69.2	58.8	21 400*																11.0
12.0	65.8	58.4	17 900*																12.0
13.0	62.2	57.8	15 000*	67.1	58.4	19 200*													13.0
14.0	58.5	57.2	13 100*	63.6	57.9	16 000*													14.0
15.0	54.6	56.5	11 400*	59.9	57.4	13 800*													15.0
16.0	50.5	55.7	10 100*	56.1	56.7	12 100*	63.8	57.7	16 500*										16.0
17.0	46.2	54.7	9 000*	52.1	55.9	10 600*	60.1	57.2	14 000*										17.0
18.0	41.4	53.6	8 000*	47.9	55.0	9 400*	56.3	56.5	12 200*										18.0
19.0	36.2	52.3	7 200*	43.3	54.0	8 400*	52.4	55.7	10 800*	60.3	56.9	14 300*							19.0
20.0	30.1	50.6	6 500*	38.2	52.7	7 600*	48.1	54.8	9 600*	56.5	56.2	12 400*							20.0
21.0	22.4	48.4	5 900*	32.5	51.2	6 800*	43.6	53.8	8 500*	52.6	55.4	10 900*							21.0
22.0				25.6	49.2	6 100*	38.6	52.6	7 600*	48.3	54.5	9 700*							22.0
23.0							32.9	51.1	6 900*	43.8	53.5	8 600*	57.9	55.6	13 100*				23.0
24.0							26.0	49.1	6 200*	38.8	52.3	7 700*	54.0	54.9	11 500*				24.0
25.0										33.2	50.8	7 000*	49.9	54.1	10 100*				25.0
26.0													45.5	53.1	9 100*				26.0
27.0													40.7	51.9	8 100*				27.0
28.0													35.3	50.6	7 300*	51.1	53.2	10 600*	28.0
29.0													29.0	48.8	6 600*	46.7	52.3	9 400*	29.0
30.0													20.9	46.5	5 900*	42.1	51.2	8 400*	30.0
31.0																36.9	49.9	7 500*	31.0
32.0																30.9	48.3	6 800*	32.0
33.0																23.5	46.1	6 200*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	73.3	62.2	26 300*															10.7	
11.0	72.4	62.1	25 400*															11.0	
12.0	69.5	61.7	22 800*															12.0	
13.0	66.5	61.3	20 000*	70.6	61.8	24 000*												13.0	
14.0	63.5	60.8	17 100*	67.6	61.3	21 100*												14.0	
15.0	60.4	60.2	15 000*	64.6	60.9	18 200*												15.0	
16.0	57.2	59.5	13 300*	61.6	60.3	15 800*	67.8	61.1	21 500*									16.0	
17.0	53.8	58.8	11 900*	58.4	59.7	14 000*	64.8	60.7	18 400*									17.0	
18.0	50.3	58.0	10 600*	55.1	59.0	12 400*	61.8	60.1	16 000*									18.0	
19.0	46.6	57.0	9 600*	51.7	58.2	11 100*	58.6	59.5	14 100*	65.0	60.3	18 700*						19.0	
20.0	42.6	56.0	8 700*	48.0	57.3	10 000*	55.3	58.8	12 600*	61.9	59.8	16 200*						20.0	
21.0	38.3	54.7	7 900*	44.2	56.3	9 000*	51.9	58.0	11 300*	58.7	59.2	14 300*						21.0	
22.0	33.5	53.2	7 200*	40.0	55.1	8 200*	48.3	57.1	10 100*	55.5	58.5	12 700*						22.0	
23.0	27.9	51.4	6 500*	35.4	53.7	7 500*	44.4	56.1	9 200*	52.0	57.7	11 400*						23.0	
24.0	20.9	49.0	6 000*	30.2	52.1	6 800*	40.3	54.9	8 300*	48.4	56.8	10 300*						24.0	
25.0				23.8	49.9	6 200*	35.7	53.6	7 600*	44.6	55.8	9 300*	56.7	58.0	13 400*			25.0	
26.0							30.5	51.9	6 900*	40.5	54.7	8 400*	53.3	57.2	11 900*			26.0	
27.0							24.3	49.9	6 300*	35.9	53.3	7 600*	49.8	56.4	10 700*			27.0	
28.0										30.8	51.7	7 000*	46.0	55.4	9 700*			28.0	
29.0													42.0	54.3	8 800*	54.3	56.3	12 400*	29.0
30.0													37.6	53.0	8 000*	50.8	55.5	11 200*	30.0
31.0													32.7	51.5	7 200*	47.1	54.6	10 100*	31.0
32.0													27.0	49.6	6 600*	43.2	53.5	9 100*	32.0
33.0													19.6	47.1	6 100*	38.9	52.3	8 300*	33.0
34.0																34.2	50.9	7 500*	34.0
35.0																28.7	49.1	6 900*	35.0
36.0																21.9	46.8	6 300*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

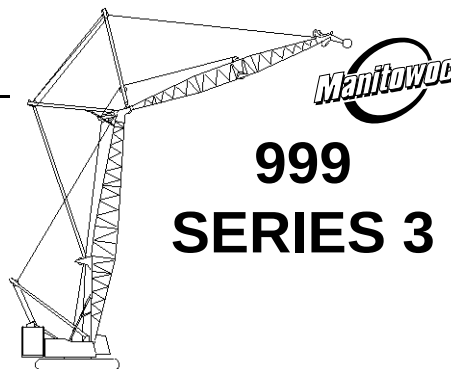
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	75.5	65.4	26 200*															10.7	
11.0	74.6	65.3	26 200*															11.0	
12.0	72.2	65.0	26 200*															12.0	
13.0	69.6	64.6	23 800*															13.0	
14.0	67.1	64.2	20 800*	70.6	64.6	25 300*												14.0	
15.0	64.5	63.7	18 300*	68.1	64.2	22 000*												15.0	
16.0	61.8	63.1	16 200*	65.5	63.8	19 300*												16.0	
17.0	59.0	62.5	14 500*	62.8	63.2	17 100*	68.2	64.0	22 300*									17.0	
18.0	56.2	61.9	13 100*	60.1	62.7	15 200*	65.6	63.6	19 600*									18.0	
19.0	53.2	61.1	11 900*	57.3	62.0	13 700*	63.0	63.0	17 300*									19.0	
20.0	50.1	60.3	10 800*	54.3	61.3	12 400*	60.2	62.5	15 500*	65.7	63.2	19 800*						20.0	
21.0	46.9	59.3	9 800*	51.3	60.5	11 200*	57.4	61.8	13 900*	63.1	62.7	17 500*						21.0	
22.0	43.5	58.3	9 000*	48.2	59.6	10 200*	54.5	61.1	12 600*	60.4	62.2	15 600*						22.0	
23.0	39.8	57.1	8 200*	44.8	58.6	9 400*	51.5	60.3	11 400*	57.6	61.5	14 000*						23.0	
24.0	35.8	55.7	7 600*	41.3	57.5	8 600*	48.4	59.4	10 400*	54.7	60.8	12 700*						24.0	
25.0	31.4	54.1	7 000*	37.4	56.2	7 900*	45.0	58.4	9 500*	51.7	60.0	11 500*	61.4	61.6	16 400*			25.0	
26.0	26.2	52.2	6 500*	33.2	54.7	7 200*	41.5	57.3	8 700*	48.5	59.1	10 500*	58.6	61.0	14 700*			26.0	
27.0	19.8	49.7	6 000*	28.3	52.9	6 700*	37.6	56.0	8 000*	45.2	58.1	9 600*	55.7	60.3	13 200*			27.0	
28.0				22.5	50.6	6 200*	33.4	54.6	7 400*	41.6	57.0	8 800*	52.8	59.5	12 000*			28.0	
29.0							28.6	52.8	6 800*	37.8	55.8	8 100*	49.7	58.7	10 900*			29.0	
30.0							22.9	50.6	6 300*	33.6	54.3	7 400*	46.4	57.7	10 000*			30.0	
31.0										28.9	52.5	6 900*	43.0	56.6	9 200*	53.6	58.6	12 500*	31.0
32.0										23.2	50.3	6 300*	39.3	55.4	8 400*	50.5	57.8	11 300*	32.0
33.0													35.2	54.0	7 800*	47.3	56.9	10 300*	33.0
34.0													30.7	52.4	7 200*	43.9	55.9	9 500*	34.0
35.0													25.4	50.4	6 600*	40.3	54.7	8 700*	35.0
36.0													18.6	47.7	6 100*	36.4	53.4	8 000*	36.0
37.0																32.0	51.8	7 400*	37.0
38.0																27.0	49.9	6 800*	38.0
39.0																20.7	47.5	6 300*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.8	68.1	26 200*															12.2	
13.0	72.0	67.8	26 200*															13.0	
14.0	69.8	67.5	25 500*	72.9	67.9	26 200*												14.0	
15.0	67.5	67.0	23 100*	70.6	67.5	26 200*												15.0	
16.0	65.2	66.6	20 800*	68.4	67.1	24 300*												16.0	
17.0	62.8	66.1	18 800*	66.1	66.7	21 800*												17.0	
18.0	60.4	65.5	17 000*	63.7	66.2	19 700*												18.0	
19.0	57.9	64.9	15 400*	61.3	65.6	17 800*	66.2	66.5	22 200*									19.0	
20.0	55.4	64.2	14 000*	58.9	65.0	16 100*	63.9	66.0	19 900*									20.0	
21.0	52.7	63.4	12 800*	56.4	64.3	14 600*	61.5	65.4	18 000*									21.0	
22.0	50.0	62.6	11 800*	53.8	63.6	13 400*	59.0	64.8	16 300*	64.0	65.7	20 200*						22.0	
23.0	47.2	61.6	10 800*	51.1	62.8	12 200*	56.5	64.2	14 800*	61.6	65.1	18 200*						23.0	
24.0	44.1	60.6	10 000*	48.3	61.9	11 300*	53.9	63.4	13 500*	59.2	64.5	16 500*						24.0	
25.0	41.0	59.5	9 200*	45.3	60.9	10 400*	51.2	62.6	12 400*	56.6	63.8	15 000*						25.0	
26.0	37.5	58.2	8 600*	42.2	59.8	9 600*	48.4	61.7	11 400*	54.0	63.1	13 700*	62.5	64.5	18 900*			26.0	
27.0	33.8	56.7	7 900*	38.9	58.6	8 900*	45.5	60.8	10 500*	51.4	62.3	12 600*	60.0	63.9	17 200*			27.0	
28.0	29.7	55.0	7 400*	35.3	57.2	8 200*	42.4	59.7	9 700*	48.6	61.4	11 500*	57.6	63.3	15 600*			28.0	
29.0	24.9	53.0	6 900*	31.3	55.6	7 600*	39.1	58.4	9 000*	45.6	60.5	10 700*	55.0	62.6	14 300*			29.0	
30.0	18.9	50.3	6 400*	26.8	53.7	7 100*	35.5	57.1	8 300*	42.5	59.4	9 800*	52.3	61.8	13 100*			30.0	
31.0				21.4	51.3	6 600*	31.6	55.5	7 800*	39.2	58.2	9 100*	49.6	61.0	12 000*			31.0	
32.0				13.9	47.9	6 200*	27.1	53.6	7 200*	35.7	56.8	8 500*	46.7	60.0	11 100*	55.7	61.7	13 700	32.0
33.0							21.8	51.2	6 700*	31.8	55.2	7 900*	43.7	59.0	10 300*	53.1	60.9	12 900	33.0
34.0										27.3	53.4	7 300*	40.5	57.8	9 500*	50.4	60.1	12 200	34.0
35.0										22.0	51.0	6 800*	37.0	56.5	8 800*	47.5	59.2	11 400	35.0
36.0													33.2	55.0	8 200*	44.5	58.2	10 600	36.0
37.0													29.0	53.3	7 600*	41.4	57.1	9 800*	37.0
38.0													24.1	51.1	7 100*	38.0	55.8	9 100*	38.0
39.0													17.8	48.3	6 600*	34.3	54.4	8 400*	39.0
40.0																30.2	52.7	7 800*	40.0
42.0																19.8	48.1	6 800*	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.5	65.4	26 200*																10.7
11.0	74.6	65.3	25 900*																11.0
12.0	72.2	65.0	25 100*																12.0
13.0	69.6	64.6	22 700*																13.0
14.0	67.1	64.2	19 200*	70.6	64.6	23 500*													14.0
15.0	64.5	63.7	16 900*	68.1	64.2	20 400*													15.0
16.0	61.8	63.1	15 000*	65.5	63.8	17 800*													16.0
17.0	59.0	62.5	13 400*	62.8	63.2	15 700*	68.2	64.0	20 600*										17.0
18.0	56.2	61.9	12 100*	60.1	62.7	14 100*	65.6	63.6	18 100*										18.0
19.0	53.2	61.1	10 900*	57.3	62.0	12 600*	63.0	63.0	15 900*										19.0
20.0	50.1	60.3	9 900*	54.3	61.3	11 400*	60.2	62.5	14 300*	65.7	63.2	18 300*							20.0
21.0	46.9	59.3	9 100*	51.3	60.5	10 300*	57.4	61.8	12 800*	63.1	62.7	16 200*							21.0
22.0	43.5	58.3	8 300*	48.2	59.6	9 400*	54.5	61.1	11 600*	60.4	62.2	14 400*							22.0
23.0	39.8	57.1	7 600*	44.8	58.6	8 600*	51.5	60.3	10 500*	57.6	61.5	13 000*							23.0
24.0	35.8	55.7	7 000*	41.3	57.5	7 900*	48.4	59.4	9 600*	54.7	60.8	11 700*							24.0
25.0	31.4	54.1	6 400*	37.4	56.2	7 300*	45.0	58.4	8 700*	51.7	60.0	10 600*	61.4	61.6	15 200*				25.0
26.0	26.2	52.2	5 900*	33.2	54.7	6 700*	41.5	57.3	8 000*	48.5	59.1	9 700*	58.6	61.0	13 600*				26.0
27.0	19.8	49.7	5 500*	28.3	52.9	6 100*	37.6	56.0	7 400*	45.2	58.1	8 800*	55.7	60.3	12 200*				27.0
28.0				22.5	50.6	5 700*	33.4	54.6	6 800*	41.6	57.0	8 100*	52.8	59.5	11 100*				28.0
29.0							28.6	52.8	6 200*	37.8	55.8	7 500*	49.7	58.7	10 100*				29.0
30.0							22.9	50.6	5 700*	33.6	54.3	6 800*	46.4	57.7	9 200*				30.0
31.0										28.9	52.5	6 300*	43.0	56.6	8 400*	53.6	58.6	11 500*	31.0
32.0										23.2	50.3	5 800*	39.3	55.4	7 800*	50.5	57.8	10 400*	32.0
33.0													35.2	54.0	7 100*	47.3	56.9	9 500*	33.0
34.0													30.7	52.4	6 600*	43.9	55.9	8 700*	34.0
35.0													25.4	50.4	6 100*	40.3	54.7	8 000*	35.0
36.0													18.6	47.7	5 600*	36.4	53.4	7 400*	36.0
37.0																32.0	51.8	6 800*	37.0
38.0																27.0	49.9	6 300*	38.0
39.0																20.7	47.5	5 800*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
12.2	73.8	68.1	26 200*															12.2	
13.0	72.0	67.8	25 800*															13.0	
14.0	69.8	67.5	24 800*	72.9	67.9	26 000*												14.0	
15.0	67.5	67.0	21 900*	70.6	67.5	25 100*												15.0	
16.0	65.2	66.6	19 200*	68.4	67.1	23 200*												16.0	
17.0	62.8	66.1	17 200*	66.1	66.7	20 100*												17.0	
18.0	60.4	65.5	15 500*	63.7	66.2	18 000*												18.0	
19.0	57.9	64.9	14 100*	61.3	65.6	16 200*	66.2	66.5	20 500*									19.0	
20.0	55.4	64.2	12 800*	58.9	65.0	14 700*	63.9	66.0	18 200*									20.0	
21.0	52.7	63.4	11 700*	56.4	64.3	13 400*	61.5	65.4	16 400*									21.0	
22.0	50.0	62.6	10 700*	53.8	63.6	12 200*	59.0	64.8	14 900*	64.0	65.7	18 500*						22.0	
23.0	47.2	61.6	9 900*	51.1	62.8	11 200*	56.5	64.2	13 600*	61.6	65.1	16 600*						23.0	
24.0	44.1	60.6	9 100*	48.3	61.9	10 200*	53.9	63.4	12 400*	59.2	64.5	15 000*						24.0	
25.0	41.0	59.5	8 400*	45.3	60.9	9 400*	51.2	62.6	11 300*	56.6	63.8	13 700*						25.0	
26.0	37.5	58.2	7 700*	42.2	59.8	8 700*	48.4	61.7	10 400*	54.0	63.1	12 500*	62.5	64.5	17 300*			26.0	
27.0	33.8	56.7	7 200*	38.9	58.6	8 100*	45.5	60.8	9 600*	51.4	62.3	11 500*	60.0	63.9	15 700*			27.0	
28.0	29.7	55.0	6 700*	35.3	57.2	7 500*	42.4	59.7	8 900*	48.6	61.4	10 500*	57.6	63.3	14 300*			28.0	
29.0	24.9	53.0	6 200*	31.3	55.6	6 900*	39.1	58.4	8 200*	45.6	60.5	9 700*	55.0	62.6	13 100*			29.0	
30.0	18.9	50.3	5 800*	26.8	53.7	6 400*	35.5	57.1	7 600*	42.5	59.4	9 000*	52.3	61.8	12 000*			30.0	
31.0				21.4	51.3	6 000*	31.6	55.5	7 100*	39.2	58.2	8 300*	49.6	61.0	11 000*			31.0	
32.0				13.9	47.9	5 600*	27.1	53.6	6 500*	35.7	56.8	7 700*	46.7	60.0	10 200*	55.7	61.7	11 800	
33.0							21.8	51.2	6 100*	31.8	55.2	7 100*	43.7	59.0	9 400*	53.1	60.9	11 000	
34.0										27.3	53.4	6 600*	40.5	57.8	8 600*	50.4	60.1	10 200	
35.0										22.0	51.0	6 200*	37.0	56.5	8 000*	47.5	59.2	9 500	
36.0													33.2	55.0	7 400*	44.5	58.2	8 700	
37.0													29.0	53.3	6 900*	41.4	57.1	8 100	
38.0													24.1	51.1	6 400*	38.0	55.8	7 400	
39.0													17.8	48.3	6 000*	34.3	54.4	6 800	
40.0																30.2	52.7	6 300	
42.0																19.8	48.1	5 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	75.5	65.4	26 200*															10.7	
11.0	74.6	65.3	25 500*															11.0	
12.0	72.2	65.0	23 400*															12.0	
13.0	69.6	64.6	20 800*															13.0	
14.0	67.1	64.2	17 700*	70.6	64.6	21 800*												14.0	
15.0	64.5	63.7	15 600*	68.1	64.2	18 900*												15.0	
16.0	61.8	63.1	13 900*	65.5	63.8	16 400*												16.0	
17.0	59.0	62.5	12 400*	62.8	63.2	14 600*	68.2	64.0	19 100*									17.0	
18.0	56.2	61.9	11 200*	60.1	62.7	13 000*	65.6	63.6	16 800*									18.0	
19.0	53.2	61.1	10 100*	57.3	62.0	11 700*	63.0	63.0	14 800*									19.0	
20.0	50.1	60.3	9 200*	54.3	61.3	10 500*	60.2	62.5	13 200*	65.7	63.2	16 900*						20.0	
21.0	46.9	59.3	8 300*	51.3	60.5	9 500*	57.4	61.8	11 800*	63.1	62.7	15 000*						21.0	
22.0	43.5	58.3	7 600*	48.2	59.6	8 700*	54.5	61.1	10 700*	60.4	62.2	13 300*						22.0	
23.0	39.8	57.1	7 000*	44.8	58.6	7 900*	51.5	60.3	9 700*	57.6	61.5	12 000*						23.0	
24.0	35.8	55.7	6 400*	41.3	57.5	7 300*	48.4	59.4	8 800*	54.7	60.8	10 800*						24.0	
25.0	31.4	54.1	5 900*	37.4	56.2	6 700*	45.0	58.4	8 100*	51.7	60.0	9 800*	61.4	61.6	14 100*			25.0	
26.0	26.2	52.2	5 400*	33.2	54.7	6 100*	41.5	57.3	7 400*	48.5	59.1	8 900*	58.6	61.0	12 500*			26.0	
27.0	19.8	49.7	5 000*	28.3	52.9	5 600*	37.6	56.0	6 800*	45.2	58.1	8 200*	55.7	60.3	11 300*			27.0	
28.0				22.5	50.6	5 200*	33.4	54.6	6 200*	41.6	57.0	7 500*	52.8	59.5	10 300*			28.0	
29.0							28.6	52.8	5 700*	37.8	55.8	6 900*	49.7	58.7	9 300*			29.0	
30.0							22.9	50.6	5 300*	33.6	54.3	6 300*	46.4	57.7	8 500*			30.0	
31.0										28.9	52.5	5 800*	43.0	56.6	7 800*	53.6	58.6	10 600*	31.0
32.0										23.2	50.3	5 300*	39.3	55.4	7 200*	50.5	57.8	9 700*	32.0
33.0													35.2	54.0	6 600*	47.3	56.9	8 800*	33.0
34.0													30.7	52.4	6 100*	43.9	55.9	8 100*	34.0
35.0													25.4	50.4	5 600*	40.3	54.7	7 400*	35.0
36.0													18.6	47.7	5 200*	36.4	53.4	6 800	36.0
37.0																32.0	51.8	6 200	37.0
38.0																27.0	49.9	5 500	38.0
39.0																20.7	47.5	4 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

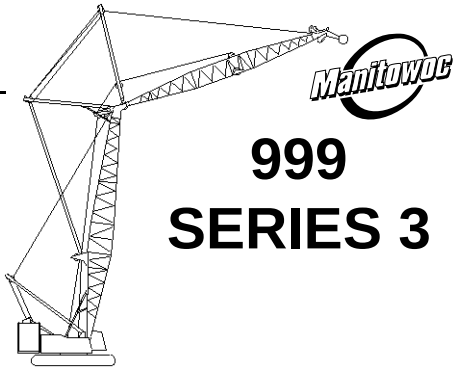
**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.8	68.1	26 200*															12.2	
13.0	72.0	67.8	24 700*															13.0	
14.0	69.8	67.5	22 600*	72.9	67.9	25 600*												14.0	
15.0	67.5	67.0	20 000*	70.6	67.5	23 500*												15.0	
16.0	65.2	66.6	17 600*	68.4	67.1	21 100*												16.0	
17.0	62.8	66.1	15 800*	66.1	66.7	18 500*												17.0	
18.0	60.4	65.5	14 300*	63.7	66.2	16 500*												18.0	
19.0	57.9	64.9	12 900*	61.3	65.6	14 900*	66.2	66.5	18 900*									19.0	
20.0	55.4	64.2	11 800*	58.9	65.0	13 500*	63.9	66.0	16 800*									20.0	
21.0	52.7	63.4	10 700*	56.4	64.3	12 300*	61.5	65.4	15 100*									21.0	
22.0	50.0	62.6	9 800*	53.8	63.6	11 200*	59.0	64.8	13 700*	64.0	65.7	17 000*						22.0	
23.0	47.2	61.6	9 100*	51.1	62.8	10 300*	56.5	64.2	12 400*	61.6	65.1	15 300*						23.0	
24.0	44.1	60.6	8 300*	48.3	61.9	9 400*	53.9	63.4	11 300*	59.2	64.5	13 800*						24.0	
25.0	41.0	59.5	7 700*	45.3	60.9	8 700*	51.2	62.6	10 400*	56.6	63.8	12 600*						25.0	
26.0	37.5	58.2	7 100*	42.2	59.8	8 000*	48.4	61.7	9 600*	54.0	63.1	11 500*	62.5	64.5	16 000*			26.0	
27.0	33.8	56.7	6 500*	38.9	58.6	7 400*	45.5	60.8	8 800*	51.4	62.3	10 500*	60.0	63.9	14 500*			27.0	
28.0	29.7	55.0	6 100*	35.3	57.2	6 800*	42.4	59.7	8 100*	48.6	61.4	9 700*	57.6	63.3	13 200*			28.0	
29.0	24.9	53.0	5 600*	31.3	55.6	6 300*	39.1	58.4	7 500*	45.6	60.5	8 900*	55.0	62.6	12 000*			29.0	
30.0	18.9	50.3	5 300*	26.8	53.7	5 900*	35.5	57.1	7 000*	42.5	59.4	8 200*	52.3	61.8	11 000*			30.0	
31.0				21.4	51.3	5 500*	31.6	55.5	6 500*	39.2	58.2	7 600*	49.6	61.0	10 100*			31.0	
32.0				13.9	47.9	5 100*	27.1	53.6	6 000*	35.7	56.8	7 000*	46.7	60.0	9 300*	55.7	61.7	10 100	
33.0							21.8	51.2	5 600*	31.8	55.2	6 500*	43.7	59.0	8 600*	53.1	60.9	9 300	
34.0										27.3	53.4	6 100*	40.5	57.8	8 000*	50.4	60.1	8 400	
35.0										22.0	51.0	5 600*	37.0	56.5	7 400*	47.5	59.2	7 700	
36.0													33.2	55.0	6 800*	44.5	58.2	6 900	
37.0													29.0	53.3	6 300*	41.4	57.1	6 200	
38.0													24.1	51.1	5 900*	38.0	55.8	5 500	
39.0													17.8	48.3	5 500*	34.3	54.4	4 900	
40.0																30.2	52.7	4 300	
42.0																19.8	48.1	3 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

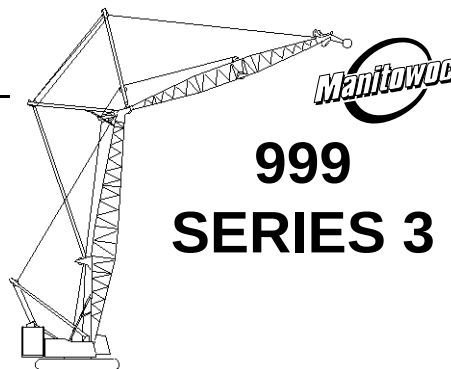
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s	with 21.3m thru 33.5m Luffing Jib	
7 m/s	with 36.6m thru 61.0m Luffing Jib	
5 m/s	with 64.0m thru 73.2m Luffing Jib	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.5	71.3	26 200*															12.2	
13.0	73.9	71.1	26 000*															13.0	
14.0	71.9	70.7	25 500*															14.0	
15.0	69.9	70.3	23 000*															15.0	
16.0	67.8	69.9	20 600*	70.7	70.4	23 700*												16.0	
17.0	65.8	69.5	18 500*	68.6	70.0	21 400*												17.0	
18.0	63.7	69.0	16 800*	66.6	69.6	19 400*												18.0	
19.0	61.5	68.4	15 200*	64.5	69.1	17 500*	68.7	69.8	21 700*									19.0	
20.0	59.3	67.8	13 900*	62.3	68.6	15 900*	66.7	69.4	19 600*									20.0	
21.0	57.1	67.2	12 700*	60.2	68.0	14 500*	64.6	68.9	17 700*									21.0	
22.0	54.8	66.5	11 700*	57.9	67.3	13 200*	62.5	68.4	16 100*									22.0	
23.0	52.4	65.7	10 800*	55.6	66.7	12 100*	60.3	67.8	14 700*	64.7	68.6	17 900*						23.0	
24.0	49.9	64.9	9 900*	53.3	65.9	11 200*	58.1	67.2	13 400*	62.6	68.0	16 300*						24.0	
25.0	47.3	63.9	9 200*	50.9	65.1	10 300*	55.8	66.5	12 400*	60.4	67.5	14 800*						25.0	
26.0	44.7	62.9	8 500*	48.3	64.2	9 500*	53.4	65.7	11 400*	58.2	66.8	13 600*						26.0	
27.0	41.8	61.8	7 900*	45.7	63.2	8 800*	51.0	64.9	10 500*	55.9	66.2	12 500*						27.0	
28.0	38.9	60.6	7 300*	42.9	62.2	8 200*	48.5	64.0	9 700*	53.5	65.4	11 500*	61.2	66.9	15 100			28.0	
29.0	35.6	59.2	6 800*	40.0	61.0	7 600*	45.9	63.1	9 000*	51.1	64.6	10 700*	59.0	66.3	14 000			29.0	
30.0	32.2	57.7	6 300*	36.9	59.7	7 100*	43.1	62.0	8 300*	48.6	63.7	9 900*	56.7	65.6	13 000			30.0	
31.0	28.3	55.9	5 900*	33.5	58.2	6 600*	40.2	60.8	7 800*	46.0	62.8	9 100*	54.4	64.9	12 000			31.0	
32.0	23.8	53.7	5 500*	29.8	56.5	6 200*	37.1	59.5	7 200*	43.2	61.7	8 500*	52.0	64.1	11 000			32.0	
33.0	18.2	50.9	5 200*	25.6	54.5	5 700*	33.7	58.1	6 700*	40.3	60.5	7 900*	49.5	63.3	10 200			33.0	
34.0				20.5	52.0	5 400*	30.0	56.4	6 300*	37.2	59.2	7 400*	46.9	62.3	9 400	55.1	64.0	8 400	
35.0				13.5	48.4	5 000*	25.8	54.4	5 900*	33.9	57.8	6 800*	44.2	61.3	8 600	52.7	63.2	7 600	
36.0							20.8	51.9	5 500*	30.2	56.1	6 400*	41.4	60.2	7 800	50.2	62.4	6 900	
37.0										26.0	54.1	5 900*	38.4	58.9	7 100	47.7	61.5	6 200	
38.0										21.1	51.7	5 600*	35.1	57.5	6 500	45.0	60.5	5 600	
39.0													31.6	55.9	5 900	42.2	59.4	5 000	
40.0													27.6	54.1	5 300	39.2	58.2	4 400	
42.0													17.2	48.9	4 200	32.6	55.3	3 300	
44.0																24.4	51.4	2 300	



999 SERIES 3

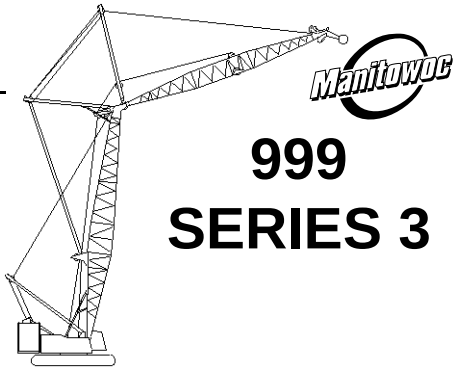
Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	74.1	74.0	25 200*																13.7
14.0	73.6	73.9	24 500*																14.0
15.0	71.8	73.6	22 100*																15.0
16.0	70.0	73.2	20 000*	72.5	73.6	23 000*													16.0
17.0	68.1	72.8	18 200*	70.7	73.3	20 700*													17.0
18.0	66.2	72.4	16 600*	68.8	72.9	18 900*													18.0
19.0	64.3	71.9	15 300*	67.0	72.5	17 200*													19.0
20.0	62.4	71.4	14 100*	65.1	72.0	15 800*	68.9	72.7	19 000*										20.0
21.0	60.4	70.8	13 000*	63.1	71.5	14 500*	67.1	72.2	17 400*										21.0
22.0	58.4	70.2	12 000*	61.2	70.9	13 400*	65.2	71.8	15 900*										22.0
23.0	56.4	69.5	11 100*	59.2	70.3	12 400*	63.3	71.3	14 700*	67.2	71.9	17 400*							23.0
24.0	54.2	68.8	10 200*	57.1	69.7	11 500*	61.3	70.7	13 500*	65.3	71.5	16 000*							24.0
25.0	52.1	68.0	9 300*	55.0	69.0	10 600*	59.3	70.1	12 500*	63.4	71.0	14 700*							25.0
26.0	49.8	67.2	8 600*	52.9	68.2	9 800*	57.3	69.5	11 600*	61.4	70.4	13 600*							26.0
27.0	47.5	66.3	7 900*	50.7	67.4	9 000*	55.2	68.8	10 800*	59.4	69.8	12 600*							27.0
28.0	45.1	65.3	7 300*	48.4	66.5	8 300*	53.0	68.0	10 000*	57.4	69.2	11 600*							28.0
29.0	42.6	64.2	6 700*	46.0	65.6	7 600*	50.8	67.2	9 100*	55.3	68.5	10 800*	62.1	69.8	13 700				29.0
30.0	39.9	63.0	6 200*	43.5	64.5	7 100*	48.5	66.3	8 400*	53.1	67.7	10 100*	60.1	69.2	12 700				30.0
31.0	37.1	61.7	5 700*	40.9	63.4	6 500*	46.2	65.4	7 800*	50.9	66.9	9 300*	58.1	68.6	11 700				31.0
32.0	34.0	60.2	5 300*	38.2	62.1	6 000*	43.7	64.3	7 200*	48.6	66.0	8 600*	56.0	67.9	10 800				32.0
33.0	30.7	58.6	4 900*	35.2	60.7	5 600*	41.1	63.2	6 700*	46.3	65.1	7 900*	53.9	67.2	10 000				33.0
34.0	27.0	56.7	4 500*	32.0	59.1	5 200*	38.3	61.9	6 200*	43.8	64.0	7 300*	51.7	66.4	9 200				34.0
35.0	22.8	54.4	4 200*	28.5	57.3	4 800*	35.4	60.6	5 700*	41.2	62.9	6 800*	49.5	65.6	8 400				35.0
36.0	17.5	51.5	3 900*	24.5	55.2	4 400*	32.2	59.0	5 300*	38.5	61.7	6 300*	47.1	64.6	7 700	54.5	66.3	6 700	36.0
37.0				19.7	52.6	4 100*	28.7	57.2	4 900*	35.5	60.3	5 800*	44.7	63.6	7 000	52.3	65.5	6 000	37.0
38.0				13.2	49.0	3 800*	24.8	55.1	4 500*	32.4	58.7	5 400*	42.2	62.5	6 400	50.1	64.7	5 400	38.0
39.0							20.0	52.6	4 200*	28.9	57.0	5 000*	39.5	61.3	5 800	47.8	63.8	4 800	39.0
40.0										25.0	54.9	4 600*	36.6	60.0	5 200	45.4	62.8	4 200	40.0
42.0													30.2	56.8	4 100	40.2	60.6	3 200	42.0
44.0													22.1	52.5	3 100	34.4	57.8	2 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.5	77.2	26 100*															13.7	
14.0	75.0	77.1	25 600*															14.0	
15.0	73.4	76.8	23 800*															15.0	
16.0	71.7	76.5	21 900*															16.0	
17.0	70.0	76.1	20 000*	72.4	76.5	22 700*												17.0	
18.0	68.4	75.7	18 400*	70.7	76.2	20 700*												18.0	
19.0	66.6	75.3	17 000*	69.0	75.8	19 000*												19.0	
20.0	64.9	74.8	15 700*	67.3	75.3	17 500*												20.0	
21.0	63.1	74.3	14 600*	65.6	74.9	16 200*												21.0	
22.0	61.3	73.7	13 600*	63.8	74.4	15 000*	67.4	75.1	17 700*									22.0	
23.0	59.5	73.2	12 700*	62.0	73.9	14 000*	65.7	74.7	16 300*									23.0	
24.0	57.7	72.5	11 800*	60.2	73.3	13 000*	63.9	74.2	15 100*									24.0	
25.0	55.8	71.8	11 000*	58.4	72.7	12 100*	62.1	73.7	14 000*	65.8	74.4	16 400*						25.0	
26.0	53.8	71.1	10 300*	56.5	72.0	11 400*	60.3	73.1	13 100*	64.0	73.9	15 200*						26.0	
27.0	51.8	70.3	9 500*	54.6	71.3	10 600*	58.5	72.5	12 200*	62.2	73.3	14 100*						27.0	
28.0	49.8	69.5	8 800*	52.6	70.5	9 900*	56.6	71.8	11 400*	60.4	72.8	13 100*						28.0	
29.0	47.6	68.6	8 200*	50.5	69.7	9 200*	54.7	71.1	10 700*	58.6	72.2	12 300*						29.0	
30.0	45.4	67.6	7 600*	48.4	68.8	8 600*	52.7	70.3	10 000*	56.7	71.5	11 500*						30.0	
31.0	43.1	66.5	7 100*	46.3	67.9	7 900*	50.7	69.5	9 400*	54.8	70.8	10 700*	61.1	72.2	11 700			31.0	
32.0	40.7	65.4	6 600*	44.0	66.8	7 400*	48.6	68.6	8 700*	52.8	70.0	10 100*	59.2	71.6	10 800			32.0	
33.0	38.2	64.1	6 100*	41.7	65.7	6 900*	46.4	67.7	8 100*	50.8	69.2	9 500*	57.4	70.9	10 000			33.0	
34.0	35.5	62.7	5 700*	39.2	64.5	6 400*	44.2	66.7	7 500*	48.7	68.3	8 900*	55.5	70.2	9 200			34.0	
35.0	32.6	61.2	5 300*	36.6	63.2	6 000*	41.8	65.5	7 000*	46.5	67.4	8 200*	53.5	69.5	8 500			35.0	
36.0	29.5	59.4	4 900*	33.8	61.7	5 500*	39.3	64.3	6 500*	44.3	66.4	7 700*	51.5	68.7	7 700			36.0	
37.0	26.0	57.5	4 600*	30.7	60.0	5 100*	36.7	63.0	6 100*	41.9	65.3	7 200*	49.4	67.9	7 100	56.0	69.3	6 100	37.0
38.0	22.0	55.1	4 300*	27.4	58.2	4 800*	33.9	61.5	5 700*	39.5	64.1	6 700*	47.3	66.9	6 400	54.1	68.6	5 500	38.0
39.0	17.0	52.1	3 300*	23.6	56.0	4 500*	30.9	59.9	5 300*	36.8	62.7	6 200*	45.1	65.9	5 800	52.1	67.8	4 900	39.0
40.0				19.1	53.3	4 000*	27.6	58.0	4 900*	34.1	61.3	5 800*	42.8	64.9	5 300	50.0	67.0	4 300	40.0
42.0							19.4	53.2	4 200*	27.8	57.8	5 000*	37.8	62.4	4 200	45.7	65.1	3 300	42.0
44.0										19.6	53.0	4 300	32.2	59.5	3 200	41.0	62.9	2 300	44.0
46.0													25.4	55.7	2 300				46.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	74.3	79.9	22 400*															15.2	
16.0	73.2	79.7	21 000*															16.0	
17.0	71.7	79.4	19 200*															17.0	
18.0	70.1	79.0	17 600*															18.0	
19.0	68.5	78.6	16 200*	70.7	79.0	18 300*												19.0	
20.0	67.0	78.2	15 000*	69.1	78.7	16 800*												20.0	
21.0	65.4	77.7	13 900*	67.6	78.2	15 500*												21.0	
22.0	63.8	77.2	12 900*	66.0	77.8	14 300*	69.2	78.4	16 900*									22.0	
23.0	62.1	76.7	11 900*	64.4	77.3	13 200*	67.7	78.0	15 600*									23.0	
24.0	60.4	76.1	11 100*	62.7	76.8	12 300*	66.1	77.6	14 400*									24.0	
25.0	58.7	75.5	10 300*	61.1	76.2	11 400*	64.5	77.1	13 300*									25.0	
26.0	57.0	74.8	9 600*	59.4	75.6	10 600*	62.8	76.6	12 400*	66.2	77.3	14 500*						26.0	
27.0	55.3	74.2	9 000*	57.7	75.0	9 900*	61.2	76.0	11 500*	64.5	76.8	13 400*						27.0	
28.0	53.4	73.4	8 400*	55.9	74.3	9 200*	59.5	75.4	10 700*	62.9	76.3	12 400*						28.0	
29.0	51.6	72.6	7 800*	54.1	73.6	8 600*	57.8	74.8	10 000*	61.3	75.7	11 600*						29.0	
30.0	49.7	71.8	7 300*	52.3	72.8	8 100*	56.0	74.1	9 300*	59.6	75.1	10 800*						30.0	
31.0	47.7	70.9	6 800*	50.4	72.0	7 500*	54.2	73.4	8 700*	57.9	74.5	10 100*						31.0	
32.0	45.7	69.9	6 400*	48.5	71.1	7 000*	52.4	72.6	8 100*	56.1	73.8	9 400*	61.9	75.1	10 500			32.0	
33.0	43.6	68.8	6 000*	46.5	70.2	6 600*	50.5	71.8	7 600*	54.3	73.1	8 800*	60.2	74.5	9 700			33.0	
34.0	41.4	67.7	5 600*	44.4	69.2	6 200*	48.6	70.9	7 100*	52.5	72.3	8 200*	58.5	73.9	8 900			34.0	
35.0	39.1	66.5	5 200*	42.3	68.1	5 800*	46.6	70.0	6 600*	50.6	71.5	7 600*	56.8	73.3	8 200			35.0	
36.0	36.7	65.2	4 800*	40.0	66.9	5 400*	44.5	69.0	6 200*	48.7	70.6	7 200*	55.0	72.6	7 500			36.0	
37.0	34.2	63.7	4 400*	37.7	65.6	5 000*	42.4	67.9	5 800*	46.7	69.7	6 700*	53.2	71.8	6 800			37.0	
38.0	31.4	62.1	4 100*	35.2	64.2	4 600*	40.2	66.7	5 400*	44.6	68.7	6 300*	51.3	71.0	6 200			38.0	
39.0	28.4	60.3	3 700*	32.5	62.6	4 300*	37.8	65.4	5 100*	42.5	67.6	5 900*	49.4	70.2	5 600	55.5	71.7	4 600	
40.0	25.1	58.2	3 400*	29.6	60.9	4 000*	35.3	64.0	4 700*	40.3	66.4	5 500*	47.4	69.2	5 000	53.7	70.9	4 100	
42.0				22.8	56.7	3 200*	29.8	60.8	4 100*	35.4	63.8	4 800*	43.3	67.2	4 000	49.9	69.3	3 000	
44.0							23.0	56.6	3 300*	29.9	60.5	4 100	38.8	64.8	3 000	46.0	67.4	2 100	
46.0										23.2	56.4	3 200						46.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
12.2	50.8	54.1	14 500*															12.2	
13.0	45.4	53.2	12 900*															13.0	
14.0	37.7	52.0	11 100*	48.7	53.6	13 900*												14.0	
15.0	28.2	50.2	9 700*	41.6	52.5	12 000*												15.0	
16.0				33.2	51.1	10 400*	50.1	53.6	14 600*b									16.0	
17.0							43.3	52.6	12 400*	57.5	54.2	18 100*b						17.0	
18.0							35.2	51.2	10 800*	51.4	53.4	15 200*						18.0	
19.0										44.7	52.4	12 800*						19.0	
20.0										37.0	51.1	11 200*						20.0	
21.0										27.2	49.3	9 800*						21.0	
22.0													49.0	52.2	14 500*			22.0	
23.0													42.0	51.1	12 300*			23.0	
24.0													33.6	49.7	10 700*			24.0	
25.0																52.4	51.5	16 100*	
26.0																45.8	50.6	13 500*	
27.0																38.3	49.3	11 600*	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.9	55.2	15 800*																10.7
11.0	58.0	55.0	15 000*																11.0
12.0	52.0	54.2	12 500*																12.0
13.0	45.4	53.2	10 500*	55.0	54.5	13 800*													13.0
14.0	37.7	52.0	9 100*	48.7	53.6	11 500*	62.0	55.1	17 600* b										14.0
15.0	28.2	50.2	8 000*	41.6	52.5	9 800*	56.3	54.4	14 400*										15.0
16.0				33.2	51.1	8 500*	50.1	53.6	11 900*										16.0
17.0							43.3	52.6	10 300*	57.5	54.2	15 100*							17.0
18.0							35.2	51.2	8 900*	51.4	53.4	12 600*							18.0
19.0										44.7	52.4	10 600*							19.0
20.0										37.0	51.1	9 200*	61.0	53.8	17 300* b				20.0
21.0										27.2	49.3	8 000*	55.3	53.1	14 300*				21.0
22.0													49.0	52.2	11 900*				22.0
23.0													42.0	51.1	10 200*				23.0
24.0													33.6	49.7	8 800*				24.0
25.0																52.4	51.5	13 400*	25.0
26.0																45.8	50.6	11 200*	26.0
27.0																38.3	49.3	9 600*	27.0



999 SERIES 3

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.9	55.2	14 000*																10.7
11.0	58.0	55.0	13 200*																11.0
12.0	52.0	54.2	11 000*																12.0
13.0	45.4	53.2	9 200*	55.0	54.5	12 200*													13.0
14.0	37.7	52.0	8 000*	48.7	53.6	10 100*	62.0	55.1	15 600*b										14.0
15.0	28.2	50.2	6 900*	41.6	52.5	8 600*	56.3	54.4	12 700*										15.0
16.0				33.2	51.1	7 400*	50.1	53.6	10 500*	63.1	54.9	16 700*b							16.0
17.0							43.3	52.6	8 900*	57.5	54.2	13 200*							17.0
18.0							35.2	51.2	7 700*	51.4	53.4	10 900*							18.0
19.0										44.7	52.4	9 300*							19.0
20.0										37.0	51.1	8 000*	61.0	53.8	15 300*				20.0
21.0										27.2	49.3	6 900*	55.3	53.1	12 600*				21.0
22.0													49.0	52.2	10 400*				22.0
23.0													42.0	51.1	8 900*				23.0
24.0													33.6	49.7	7 600*				24.0
25.0																52.4	51.5	11 700*	25.0
26.0																45.8	50.6	9 700*	26.0
27.0																38.3	49.3	8 300*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities

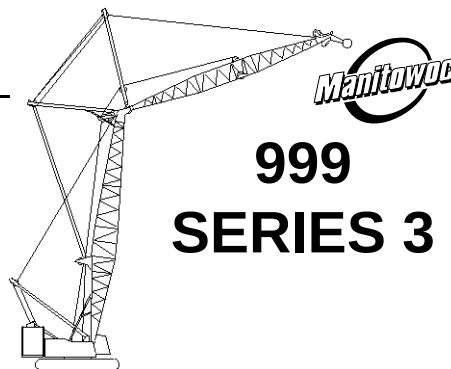
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	66.6	58.7	20 300*															10.7	
11.0	65.1	58.6	19 200*															11.0	
12.0	60.8	58.0	16 000*															12.0	
13.0	56.2	57.3	13 500*	62.9	58.2	17 700*												13.0	
14.0	51.4	56.5	11 700*	58.5	57.6	14 600*	68.1	58.5	22 600*b									14.0	
15.0	46.1	55.6	10 200*	53.8	56.8	12 500*	63.9	58.0	18 500*									15.0	
16.0	40.3	54.4	9 000*	48.7	55.9	10 900*	59.5	57.5	15 300*									16.0	
17.0	33.7	53.0	8 000*	43.3	54.9	9 600*	54.8	56.7	13 100*	64.8	57.8	19 400*						17.0	
18.0	25.3	51.0	7 100*	37.1	53.6	8 500*	49.9	55.9	11 300*	60.4	57.2	16 200*						18.0	
19.0				29.7	51.9	7 500*	44.5	54.9	9 900*	55.8	56.5	13 600*						19.0	
20.0							38.5	53.7	8 800*	50.9	55.7	11 800*						20.0	
21.0							31.5	52.1	7 800*	45.7	54.8	10 300*						21.0	
22.0										39.8	53.6	9 000*	58.7	56.1	15 400*			22.0	
23.0										33.0	52.1	8 000*	54.0	55.4	13 000*			23.0	
24.0										24.5	50.1	7 100*	49.0	54.5	11 300*			24.0	
25.0													43.5	53.5	9 900*			25.0	
26.0													37.4	52.2	8 700*	56.5	54.6	26.0	
27.0													30.1	50.5	7 800*	51.7	53.8	27.0	
28.0																46.5	52.9	28.0	
29.0																40.7	51.7	29.0	
30.0																34.1	50.3	30.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

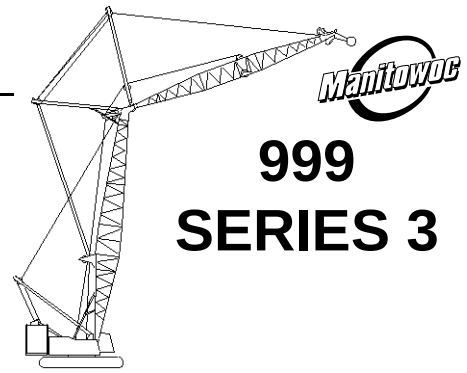
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall					
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms				
9.1	68.2	56.1	18 300* ^b															9.1	
10.0	63.6	55.6	15 400*															10.0	
11.0	58.0	55.0	12 200*	66.2	55.8	17 100*												11.0	
12.0	52.0	54.2	10 200*	60.8	55.2	13 700*												12.0	
13.0	45.4	53.2	8 700*	55.0	54.5	11 100*												13.0	
14.0	37.7	52.0	7 500*	48.7	53.6	9 400*	62.0	55.1	14 400*									14.0	
15.0	28.2	50.2	6 600*	41.6	52.5	8 100*	56.3	54.4	11 800*									15.0	
16.0				33.2	51.1	7 000*	50.1	53.6	9 800*	63.1	54.9	15 400*						16.0	
17.0							43.3	52.6	8 400*	57.5	54.2	12 200*						17.0	
18.0							35.2	51.2	7 300*	51.4	53.4	10 200*						18.0	
19.0										44.7	52.4	8 700*						19.0	
20.0										37.0	51.1	7 500*	61.0	53.8	14 100*			20.0	
21.0										27.2	49.3	6 600*	55.3	53.1	11 700*			21.0	
22.0													49.0	52.2	9 700*			22.0	
23.0													42.0	51.1	8 300*			23.0	
24.0													33.6	49.7	7 200*			24.0	
25.0																52.4	51.5	25.0	
26.0																45.8	50.6	26.0	
27.0																38.3	49.3	27.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

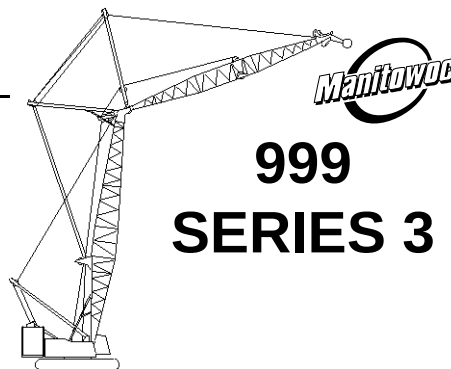
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	72.8	59.4	25 700* ^b															9.1	
10.0	69.3	59.0	21 500*															10.0	
11.0	65.1	58.6	16 900*	71.3	59.1	24 000*												11.0	
12.0	60.8	58.0	14 100*	67.2	58.7	19 000*												12.0	
13.0	56.2	57.3	12 000*	62.9	58.2	15 400*												13.0	
14.0	51.4	56.5	10 400*	58.5	57.6	13 100*	68.1	58.5	20 100*									14.0	
15.0	46.1	55.6	9 100*	53.8	56.8	11 200*	63.9	58.0	16 500*									15.0	
16.0	40.3	54.4	8 000*	48.7	55.9	9 700*	59.5	57.5	13 600*									16.0	
17.0	33.7	53.0	7 100*	43.3	54.9	8 600*	54.8	56.7	11 700*	64.8	57.8	17 200*						17.0	
18.0	25.3	51.0	6 300*	37.1	53.6	7 600*	49.9	55.9	10 100*	60.4	57.2	14 400*						18.0	
19.0				29.7	51.9	6 700*	44.5	54.9	8 800*	55.8	56.5	12 100*						19.0	
20.0							38.5	53.7	7 800*	50.9	55.7	10 500*						20.0	
21.0							31.5	52.1	6 900*	45.7	54.8	9 100*						21.0	
22.0										39.8	53.6	8 000*	58.7	56.1	13 700*			22.0	
23.0										33.0	52.1	7 100*	54.0	55.4	11 500*			23.0	
24.0										24.5	50.1	6 300*	49.0	54.5	10 000*			24.0	
25.0													43.5	53.5	8 800*			25.0	
26.0													37.4	52.2	7 800*	56.5	54.6	12 600*	
27.0													30.1	50.5	6 900*	51.7	53.8	11 000*	
28.0																46.5	52.9	9 500*	
29.0																40.7	51.7	8 300*	
30.0																34.1	50.3	7 400*	



999 SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	75.8	62.6	26 300*b															9.1	
10.0	73.0	62.3	24 400*															10.0	
11.0	69.6	61.9	22 000*															11.0	
12.0	66.1	61.5	18 300*															12.0	
13.0	62.6	60.9	15 300*	67.8	61.6	20 100*												13.0	
14.0	58.9	60.3	13 300*	64.3	61.1	16 600*												14.0	
15.0	55.0	59.6	11 600*	60.7	60.5	14 300*												15.0	
16.0	51.0	58.8	10 300*	56.9	59.9	12 400*	65.1	61.0	17 600*									16.0	
17.0	46.6	57.9	9 100*	53.0	59.1	11 000*	61.5	60.4	14 900*									17.0	
18.0	42.0	56.8	8 100*	48.8	58.2	9 700*	57.8	59.8	12 900*									18.0	
19.0	36.8	55.5	7 300*	44.3	57.2	8 600*	53.9	59.0	11 300*	62.3	60.2	15 600*						19.0	
20.0	30.8	53.8	6 600*	39.4	56.0	7 700*	49.7	58.2	10 000*	58.5	59.6	13 300*						20.0	
21.0	23.3	51.7	6 000*	33.8	54.6	7 000*	45.3	57.2	8 900*	54.7	58.8	11 700*						21.0	
22.0				27.2	52.7	6 300*	40.5	56.1	8 000*	50.6	58.0	10 300*						22.0	
23.0							35.1	54.7	7 200*	46.2	57.1	9 200*	60.9	59.1	14 700*			23.0	
24.0							28.8	52.9	6 500*	41.5	55.9	8 200*	57.1	58.4	12 900*			24.0	
25.0										36.3	54.6	7 400*	53.2	57.7	11 200*			25.0	
26.0										30.2	53.0	6 600*	49.0	56.8	10 000*			26.0	
27.0										22.5	50.7	6 000*	44.5	55.8	8 900*			27.0	
28.0													39.6	54.6	8 000*	55.3	56.9	12 200*	28.0
29.0													34.1	53.2	7 200*	51.2	56.1	10 700*	29.0
30.0													27.5	51.3	6 500*	46.9	55.2	9 500*	30.0
31.0																42.3	54.1	8 500*	31.0
32.0																37.1	52.8	7 600*	32.0
33.0																31.2	51.2	6 900*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	73.6	65.3	26 200*															10.7	
11.0	72.7	65.2	25 500*															11.0	
12.0	69.8	64.8	23 300*															12.0	
13.0	66.8	64.4	20 500*	71.2	64.9	24 400*												13.0	
14.0	63.8	63.9	17 400*	68.3	64.5	22 000*												14.0	
15.0	60.7	63.3	15 300*	65.3	64.0	19 000*												15.0	
16.0	57.5	62.7	13 500*	62.2	63.5	16 300*												16.0	
17.0	54.2	61.9	12 000*	59.1	62.9	14 400*	66.0	63.9	19 500*									17.0	
18.0	50.7	61.1	10 700*	55.8	62.2	12 800*	62.9	63.4	17 000*									18.0	
19.0	47.0	60.2	9 700*	52.4	61.4	11 400*	59.8	62.8	14 900*									19.0	
20.0	43.1	59.1	8 800*	48.8	60.5	10 300*	56.5	62.1	13 200*	63.5	63.1	17 600*						20.0	
21.0	38.8	57.9	8 000*	45.0	59.6	9 300*	53.2	61.3	11 800*	60.4	62.5	15 400*						21.0	
22.0	34.0	56.4	7 200*	40.9	58.4	8 400*	49.6	60.5	10 600*	57.2	61.9	13 600*						22.0	
23.0	28.6	54.7	6 600*	36.4	57.1	7 600*	45.9	59.5	9 500*	53.9	61.1	12 100*						23.0	
24.0	21.8	52.4	6 100*	31.3	55.5	6 900*	41.8	58.4	8 600*	50.4	60.3	10 900*						24.0	
25.0				25.3	53.5	6 300*	37.5	57.1	7 900*	46.7	59.4	9 800*	59.2	61.4	14 900*			25.0	
26.0							32.5	55.6	7 100*	42.7	58.3	8 900*	56.0	60.7	13 100*			26.0	
27.0							26.8	53.7	6 500*	38.4	57.1	8 100*	52.6	60.0	11 700*			27.0	
28.0										33.6	55.6	7 300*	49.0	59.1	10 500*			28.0	
29.0										28.0	53.8	6 700*	45.2	58.1	9 500*	57.7	59.9	29.0	
30.0										21.1	51.4	6 100*	41.1	57.0	8 600*	54.4	59.2	30.0	
31.0													36.6	55.7	7 900*	50.9	58.4	31.0	
32.0													31.6	54.1	7 200*	47.2	57.5	32.0	
33.0													25.6	52.1	6 500*	43.3	56.4	33.0	
34.0																39.1	55.2	34.0	
35.0																34.4	53.8	35.0	
36.0																29.0	52.1	36.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	75.7	68.5	26 200*															10.7	
11.0	74.9	68.4	26 200*															11.0	
12.0	72.4	68.0	26 200*															12.0	
13.0	69.9	67.7	24 000*															13.0	
14.0	67.3	67.3	21 200*	71.1	67.8	25 400*												14.0	
15.0	64.7	66.8	18 700*	68.6	67.4	22 600*												15.0	
16.0	62.1	66.2	16 500*	66.0	66.9	20 000*												16.0	
17.0	59.3	65.6	14 800*	63.4	66.4	17 500*	69.2	67.2	23 700*									17.0	
18.0	56.5	65.0	13 300*	60.7	65.8	15 600*	66.6	66.8	20 700*									18.0	
19.0	53.5	64.2	12 000*	57.9	65.2	14 000*	64.0	66.3	18 100*									19.0	
20.0	50.5	63.4	10 900*	55.0	64.5	12 700*	61.3	65.7	16 200*	67.1	66.5	21 300*						20.0	
21.0	47.3	62.5	9 900*	52.0	63.7	11 500*	58.5	65.1	14 500*	64.5	66.0	18 800*						21.0	
22.0	43.9	61.5	9 100*	48.8	62.8	10 400*	55.6	64.4	13 000*	61.8	65.5	16 600*						22.0	
23.0	40.2	60.3	8 300*	45.5	61.9	9 500*	52.6	63.7	11 800*	59.1	64.9	14 900*						23.0	
24.0	36.3	58.9	7 700*	42.0	60.8	8 700*	49.5	62.8	10 700*	56.2	64.2	13 400*						24.0	
25.0	31.9	57.4	7 100*	38.2	59.5	8 000*	46.3	61.8	9 800*	53.3	63.4	12 200*						25.0	
26.0	26.8	55.5	6 500*	34.1	58.1	7 400*	42.8	60.8	9 000*	50.2	62.6	11 100*	60.8	64.4	16 100*			26.0	
27.0	20.6	53.0	6 000*	29.4	56.4	6 800*	39.1	59.6	8 300*	47.0	61.7	10 100*	58.0	63.8	14 500*			27.0	
28.0				23.8	54.2	6 300*	35.0	58.2	7 600*	43.6	60.6	9 200*	55.1	63.1	13 000*			28.0	
29.0							30.5	56.5	7 000*	39.9	59.5	8 500*	52.1	62.3	11 800*			29.0	
30.0							25.2	54.5	6 500*	35.9	58.1	7 800*	49.0	61.4	10 800*			30.0	
31.0										31.5	56.5	7 200*	45.7	60.4	9 900*			31.0	
32.0										26.3	54.6	6 600*	42.2	59.3	9 000*	53.7	61.5	12 600*	
33.0										19.9	52.1	6 100*	38.4	58.1	8 300*	50.7	60.7	11 500*	
34.0													34.3	56.7	7 600*	47.5	59.8	10 400*	
35.0													29.6	55.0	7 100*	44.1	58.8	9 600*	
36.0													24.1	52.8	6 500*	40.5	57.6	8 800*	
37.0																36.5	56.3	8 100*	
38.0																32.2	54.7	7 400*	
39.0																27.2	52.9	6 900*	



Liftcrane Luffing Jib Intermediate Fall Capacities

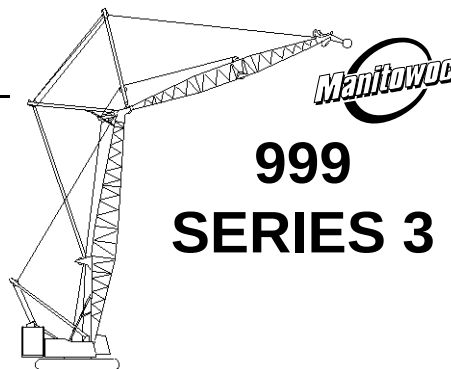
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 200*																12.2
13.0	72.3	70.9	26 200*																13.0
14.0	70.0	70.6	25 500*	73.3	71.0	26 200*													14.0
15.0	67.7	70.1	23 300*	71.1	70.6	26 200*													15.0
16.0	65.4	69.7	21 100*	68.9	70.2	24 500*													16.0
17.0	63.1	69.2	19 000*	66.6	69.8	22 400*													17.0
18.0	60.7	68.6	17 200*	64.2	69.3	20 200*													18.0
19.0	58.2	68.0	15 600*	61.8	68.8	18 200*	67.1	69.7	23 300*										19.0
20.0	55.7	67.3	14 200*	59.4	68.2	16 400*	64.7	69.2	20 800*										20.0
21.0	53.0	66.5	12 900*	56.9	67.5	14 900*	62.4	68.7	18 700*										21.0
22.0	50.3	65.7	11 900*	54.3	66.8	13 600*	60.0	68.1	16 900*	65.2	68.9	21 500*							22.0
23.0	47.5	64.8	10 900*	51.6	66.0	12 500*	57.5	67.4	15 400*	62.9	68.4	19 200*							23.0
24.0	44.5	63.8	10 100*	48.9	65.1	11 500*	54.9	66.7	14 000*	60.5	67.8	17 400*							24.0
25.0	41.3	62.7	9 300*	45.9	64.2	10 600*	52.2	66.0	12 800*	58.0	67.2	15 800*							25.0
26.0	37.9	61.4	8 600*	42.9	63.1	9 800*	49.5	65.1	11 800*	55.4	66.5	14 400*							26.0
27.0	34.2	59.9	8 000*	39.6	61.9	9 000*	46.6	64.2	10 800*	52.8	65.8	13 200*							27.0
28.0	30.1	58.3	7 400*	36.1	60.6	8 300*	43.6	63.1	10 000*	50.1	64.9	12 100*	59.5	66.7	16 900*				28.0
29.0	25.4	56.3	6 900*	32.2	59.0	7 700*	40.3	61.9	9 300*	47.2	64.0	11 200*	57.0	66.1	15 400*				29.0
30.0	19.6	53.7	6 400*	27.8	57.2	7 200*	36.9	60.6	8 600*	44.2	63.0	10 300*	54.4	65.4	14 100*				30.0
31.0				22.6	54.9	6 700*	33.1	59.1	8 000*	41.0	61.8	9 500*	51.8	64.6	12 900*				31.0
32.0				15.8	51.8	6 300*	28.8	57.4	7 400*	37.6	60.5	8 800*	49.0	63.7	11 900*				32.0
33.0							23.9	55.2	6 900*	33.9	59.1	8 200*	46.1	62.8	11 000*				33.0
34.0										29.8	57.4	7 600*	43.0	61.7	10 100*	53.2	63.8	11 500	34.0
35.0										25.0	55.3	7 100*	39.8	60.5	9 400*	50.5	63.0	10 700	35.0
36.0										19.0	52.7	6 600*	36.2	59.2	8 700*	47.6	62.1	10 100	36.0
37.0													32.4	57.6	8 100*	44.7	61.1	9 400	37.0
38.0													28.0	55.8	7 500*	41.5	60.0	8 800	38.0
39.0													22.9	53.6	7 000*	38.2	58.7	8 300	39.0
40.0																34.5	57.3	7 700	40.0
42.0																25.8	53.6	6 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

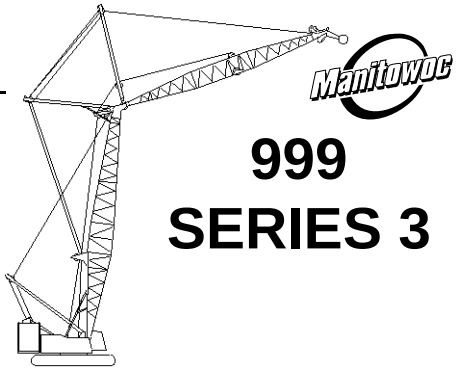
**Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating**

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

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	75.7	68.5	26 200*															10.7	
11.0	74.9	68.4	26 000*															11.0	
12.0	72.4	68.0	25 500*															12.0	
13.0	69.9	67.7	23 300*															13.0	
14.0	67.3	67.3	19 500*	71.1	67.8	24 400*												14.0	
15.0	64.7	66.8	17 200*	68.6	67.4	21 100*												15.0	
16.0	62.1	66.2	15 200*	66.0	66.9	18 300*												16.0	
17.0	59.3	65.6	13 600*	63.4	66.4	16 200*	69.2	67.2	21 800*									17.0	
18.0	56.5	65.0	12 200*	60.7	65.8	14 400*	66.6	66.8	19 100*									18.0	
19.0	53.5	64.2	11 000*	57.9	65.2	13 000*	64.0	66.3	16 700*									19.0	
20.0	50.5	63.4	10 000*	55.0	64.5	11 700*	61.3	65.7	14 900*	67.1	66.5	19 700*						20.0	
21.0	47.3	62.5	9 100*	52.0	63.7	10 600*	58.5	65.1	13 400*	64.5	66.0	17 400*						21.0	
22.0	43.9	61.5	8 400*	48.8	62.8	9 600*	55.6	64.4	12 100*	61.8	65.5	15 300*						22.0	
23.0	40.2	60.3	7 700*	45.5	61.9	8 800*	52.6	63.7	10 900*	59.1	64.9	13 800*						23.0	
24.0	36.3	58.9	7 000*	42.0	60.8	8 000*	49.5	62.8	9 900*	56.2	64.2	12 400*						24.0	
25.0	31.9	57.4	6 500*	38.2	59.5	7 400*	46.3	61.8	9 000*	53.3	63.4	11 200*						25.0	
26.0	26.8	55.5	6 000*	34.1	58.1	6 800*	42.8	60.8	8 300*	50.2	62.6	10 200*	60.8	64.4	14 900*			26.0	
27.0	20.6	53.0	5 500*	29.4	56.4	6 200*	39.1	59.6	7 600*	47.0	61.7	9 300*	58.0	63.8	13 400*			27.0	
28.0				23.8	54.2	5 800*	35.0	58.2	7 000*	43.6	60.6	8 500*	55.1	63.1	12 000*			28.0	
29.0							30.5	56.5	6 400*	39.9	59.5	7 800*	52.1	62.3	10 900*			29.0	
30.0							25.2	54.5	5 900*	35.9	58.1	7 200*	49.0	61.4	9 900*			30.0	
31.0										31.5	56.5	6 600*	45.7	60.4	9 100*			31.0	
32.0										26.3	54.6	6 100*	42.2	59.3	8 300*	53.7	61.5	32.0	
33.0										19.9	52.1	5 600*	38.4	58.1	7 700*	50.7	60.7	33.0	
34.0													34.3	56.7	7 100*	47.5	59.8	34.0	
35.0													29.6	55.0	6 500*	44.1	58.8	35.0	
36.0													24.1	52.8	6 000*	40.5	57.6	36.0	
37.0																36.5	56.3	37.0	
38.0																32.2	54.7	38.0	
39.0																27.2	52.9	39.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 200*																12.2
13.0	72.3	70.9	26 000*																13.0
14.0	70.0	70.6	25 300*	73.3	71.0	26 100*													14.0
15.0	67.7	70.1	22 300*	71.1	70.6	25 800*													15.0
16.0	65.4	69.7	19 400*	68.9	70.2	24 000*													16.0
17.0	63.1	69.2	17 400*	66.6	69.8	20 700*													17.0
18.0	60.7	68.6	15 700*	64.2	69.3	18 500*													18.0
19.0	58.2	68.0	14 200*	61.8	68.8	16 600*	67.1	69.7	21 500*										19.0
20.0	55.7	67.3	13 000*	59.4	68.2	15 000*	64.7	69.2	19 000*										20.0
21.0	53.0	66.5	11 800*	56.9	67.5	13 700*	62.4	68.7	17 100*										21.0
22.0	50.3	65.7	10 800*	54.3	66.8	12 400*	60.0	68.1	15 500*	65.2	68.9	19 700*							22.0
23.0	47.5	64.8	9 900*	51.6	66.0	11 400*	57.5	67.4	14 000*	62.9	68.4	17 600*							23.0
24.0	44.5	63.8	9 200*	48.9	65.1	10 400*	54.9	66.7	12 800*	60.5	67.8	15 900*							24.0
25.0	41.3	62.7	8 500*	45.9	64.2	9 600*	52.2	66.0	11 700*	58.0	67.2	14 400*							25.0
26.0	37.9	61.4	7 800*	42.9	63.1	8 900*	49.5	65.1	10 800*	55.4	66.5	13 200*							26.0
27.0	34.2	59.9	7 300*	39.6	61.9	8 200*	46.6	64.2	9 900*	52.8	65.8	12 000*							27.0
28.0	30.1	58.3	6 700*	36.1	60.6	7 600*	43.6	63.1	9 100*	50.1	64.9	11 100*	59.5	66.7	15 500*				28.0
29.0	25.4	56.3	6 200*	32.2	59.0	7 000*	40.3	61.9	8 400*	47.2	64.0	10 200*	57.0	66.1	14 100*				29.0
30.0	19.6	53.7	5 800*	27.8	57.2	6 500*	36.9	60.6	7 800*	44.2	63.0	9 400*	54.4	65.4	12 900*				30.0
31.0				22.6	54.9	6 100*	33.1	59.1	7 200*	41.0	61.8	8 700*	51.8	64.6	11 800*				31.0
32.0				15.8	51.8	5 700*	28.8	57.4	6 700*	37.6	60.5	8 000*	49.0	63.7	10 800*				32.0
33.0							23.9	55.2	6 200*	33.9	59.1	7 400*	46.1	62.8	10 000*				33.0
34.0										29.8	57.4	6 900*	43.0	61.7	9 300*	53.2	63.8	9 600	34.0
35.0										25.0	55.3	6 400*	39.8	60.5	8 600*	50.5	63.0	8 800	35.0
36.0										19.0	52.7	6 000*	36.2	59.2	7 900*	47.6	62.1	8 100	36.0
37.0													32.4	57.6	7 300*	44.7	61.1	7 500	37.0
38.0													28.0	55.8	6 800*	41.5	60.0	6 900	38.0
39.0													22.9	53.6	6 300*	38.2	58.7	6 300	39.0
40.0																34.5	57.3	5 700	40.0
42.0																25.8	53.6	4 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.7	68.5	26 200*																10.7
11.0	74.9	68.4	25 600*																11.0
12.0	72.4	68.0	23 900*																12.0
13.0	69.9	67.7	21 300*																13.0
14.0	67.3	67.3	18 000*	71.1	67.8	22 600*													14.0
15.0	64.7	66.8	15 900*	68.6	67.4	19 500*													15.0
16.0	62.1	66.2	14 100*	66.0	66.9	16 900*													16.0
17.0	59.3	65.6	12 600*	63.4	66.4	15 000*	69.2	67.2	20 200*										17.0
18.0	56.5	65.0	11 300*	60.7	65.8	13 300*	66.6	66.8	17 700*										18.0
19.0	53.5	64.2	10 200*	57.9	65.2	12 000*	64.0	66.3	15 500*										19.0
20.0	50.5	63.4	9 300*	55.0	64.5	10 800*	61.3	65.7	13 800*	67.1	66.5	18 200*							20.0
21.0	47.3	62.5	8 400*	52.0	63.7	9 800*	58.5	65.1	12 300*	64.5	66.0	16 100*							21.0
22.0	43.9	61.5	7 700*	48.8	62.8	8 900*	55.6	64.4	11 100*	61.8	65.5	14 200*							22.0
23.0	40.2	60.3	7 000*	45.5	61.9	8 100*	52.6	63.7	10 100*	59.1	64.9	12 700*							23.0
24.0	36.3	58.9	6 500*	42.0	60.8	7 400*	49.5	62.8	9 100*	56.2	64.2	11 400*							24.0
25.0	31.9	57.4	5 900*	38.2	59.5	6 800*	46.3	61.8	8 400*	53.3	63.4	10 400*							25.0
26.0	26.8	55.5	5 400*	34.1	58.1	6 300*	42.8	60.8	7 600*	50.2	62.6	9 400*	60.8	64.4	13 700*				26.0
27.0	20.6	53.0	5 000*	29.4	56.4	5 700*	39.1	59.6	7 000*	47.0	61.7	8 600*	58.0	63.8	12 400*				27.0
28.0				23.8	54.2	5 300*	35.0	58.2	6 400*	43.6	60.6	7 800*	55.1	63.1	11 100*				28.0
29.0							30.5	56.5	5 900*	39.9	59.5	7 200*	52.1	62.3	10 100*				29.0
30.0							25.2	54.5	5 500*	35.9	58.1	6 600*	49.0	61.4	9 200*				30.0
31.0										31.5	56.5	6 100*	45.7	60.4	8 400*				31.0
32.0										26.3	54.6	5 600*	42.2	59.3	7 700*	53.7	61.5	9 700	32.0
33.0										19.9	52.1	5 100*	38.4	58.1	7 100*	50.7	60.7	8 800	33.0
34.0													34.3	56.7	6 500*	47.5	59.8	8 000	34.0
35.0													29.6	55.0	6 000*	44.1	58.8	7 200	35.0
36.0													24.1	52.8	5 500*	40.5	57.6	6 400	36.0
37.0																36.5	56.3	5 700	37.0
38.0																32.2	54.7	5 000	38.0
39.0																27.2	52.9	4 400	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 200*																12.2
13.0	72.3	70.9	24 900*																13.0
14.0	70.0	70.6	23 100*	73.3	71.0	25 700*													14.0
15.0	67.7	70.1	20 300*	71.1	70.6	24 100*													15.0
16.0	65.4	69.7	17 900*	68.9	70.2	21 800*													16.0
17.0	63.1	69.2	16 000*	66.6	69.8	19 000*													17.0
18.0	60.7	68.6	14 400*	64.2	69.3	17 000*													18.0
19.0	58.2	68.0	13 100*	61.8	68.8	15 200*	67.1	69.7	19 800*										19.0
20.0	55.7	67.3	11 900*	59.4	68.2	13 800*	64.7	69.2	17 500*										20.0
21.0	53.0	66.5	10 800*	56.9	67.5	12 500*	62.4	68.7	15 800*										21.0
22.0	50.3	65.7	9 900*	54.3	66.8	11 400*	60.0	68.1	14 200*	65.2	68.9	18 100*							22.0
23.0	47.5	64.8	9 100*	51.6	66.0	10 400*	57.5	67.4	12 900*	62.9	68.4	16 200*							23.0
24.0	44.5	63.8	8 400*	48.9	65.1	9 600*	54.9	66.7	11 800*	60.5	67.8	14 600*							24.0
25.0	41.3	62.7	7 700*	45.9	64.2	8 800*	52.2	66.0	10 800*	58.0	67.2	13 300*							25.0
26.0	37.9	61.4	7 200*	42.9	63.1	8 100*	49.5	65.1	9 900*	55.4	66.5	12 100*							26.0
27.0	34.2	59.9	6 600*	39.6	61.9	7 500*	46.6	64.2	9 100*	52.8	65.8	11 100*							27.0
28.0	30.1	58.3	6 100*	36.1	60.6	6 900*	43.6	63.1	8 400*	50.1	64.9	10 100*	59.5	66.7	14 300*				28.0
29.0	25.4	56.3	5 700*	32.2	59.0	6 400*	40.3	61.9	7 700*	47.2	64.0	9 400*	57.0	66.1	13 000*				29.0
30.0	19.6	53.7	5 300*	27.8	57.2	6 000*	36.9	60.6	7 100*	44.2	63.0	8 600*	54.4	65.4	11 800*				30.0
31.0				22.6	54.9	5 500*	33.1	59.1	6 600*	41.0	61.8	8 000*	51.8	64.6	10 800*				31.0
32.0				15.8	51.8	5 200*	28.8	57.4	6 100*	37.6	60.5	7 300*	49.0	63.7	10 000*				32.0
33.0							23.9	55.2	5 700*	33.9	59.1	6 800*	46.1	62.8	9 200*				33.0
34.0										29.8	57.4	6 300*	43.0	61.7	8 500*	53.2	63.8	7 800	34.0
35.0										25.0	55.3	5 900*	39.8	60.5	7 800*	50.5	63.0	7 100	35.0
36.0										19.0	52.7	5 400*	36.2	59.2	7 200	47.6	62.1	6 300	36.0
37.0													32.4	57.6	6 600	44.7	61.1	5 700	37.0
38.0													28.0	55.8	6 000	41.5	60.0	5 000	38.0
39.0													22.9	53.6	5 300	38.2	58.7	4 400	39.0
40.0																34.5	57.3	3 800	40.0
42.0																25.8	53.6	2 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.7	74.4	26 200*															12.2	
13.0	74.1	74.1	26 200*															13.0	
14.0	72.1	73.8	25 500*															14.0	
15.0	70.1	73.4	23 100*															15.0	
16.0	68.1	73.0	20 800*	71.1	73.5	24 300*												16.0	
17.0	66.0	72.6	18 800*	69.1	73.1	21 900*												17.0	
18.0	63.9	72.1	17 000*	67.0	72.7	19 800*												18.0	
19.0	61.7	71.5	15 400*	64.9	72.2	17 900*	69.5	73.0	22 600*									19.0	
20.0	59.6	71.0	14 000*	62.8	71.7	16 300*	67.5	72.5	20 400*									20.0	
21.0	57.3	70.3	12 800*	60.6	71.1	14 800*	65.4	72.1	18 500*									21.0	
22.0	55.0	69.6	11 800*	58.4	70.5	13 500*	63.3	71.6	16 700*									22.0	
23.0	52.6	68.8	10 800*	56.1	69.9	12 400*	61.1	71.0	15 200*	65.8	71.8	18 900*						23.0	
24.0	50.2	68.0	10 000*	53.8	69.1	11 400*	58.9	70.4	13 900*	63.7	71.3	17 200*						24.0	
25.0	47.6	67.1	9 200*	51.4	68.3	10 500*	56.6	69.8	12 800*	61.6	70.8	15 600*						25.0	
26.0	45.0	66.1	8 600*	48.9	67.4	9 700*	54.3	69.0	11 700*	59.4	70.2	14 300*						26.0	
27.0	42.2	65.0	7 900*	46.3	66.5	9 000*	51.9	68.3	10 800*	57.1	69.5	13 100*						27.0	
28.0	39.2	63.8	7 300*	43.5	65.4	8 300*	49.4	67.4	10 000*	54.8	68.8	12 100*						28.0	
29.0	36.0	62.4	6 800*	40.6	64.3	7 700*	46.8	66.5	9 300*	52.4	68.1	11 100*	60.7	69.7	13 400	58.5	69.1	29.0	
30.0	32.5	60.9	6 400*	37.6	63.0	7 200*	44.1	65.4	8 600*	49.9	67.2	10 300*	58.5	69.1	12 400	56.2	68.4	30.0	
31.0	28.7	59.1	5 900*	34.3	61.6	6 700*	41.3	64.3	8 000*	47.4	66.3	9 500*	56.2	68.4	11 400			31.0	
32.0	24.3	57.0	5 500*	30.6	59.9	6 200*	38.3	63.1	7 400*	44.7	65.3	8 800*	53.9	67.7	10 500			32.0	
33.0	18.8	54.3	5 200*	26.5	58.0	5 800*	35.0	61.6	6 900*	41.9	64.2	8 200*	51.5	66.9	9 600			33.0	
34.0				21.7	55.6	5 400*	31.5	60.0	6 400*	38.9	63.0	7 600*	49.0	66.0	8 800			34.0	
35.0				15.3	52.4	5 100*	27.5	58.2	6 000*	35.7	61.6	7 100*	46.4	65.1	8 100			35.0	
36.0							22.8	55.9	5 600*	32.2	60.0	6 600*	43.7	64.0	7 300	52.8	66.1	36.0	
37.0										28.3	58.2	6 200*	40.8	62.9	6 600	50.3	65.3	37.0	
38.0										23.8	56.1	5 800*	37.7	61.6	6 000	47.8	64.4	38.0	
39.0										18.3	53.3	5 400*	34.4	60.2	5 400	45.1	63.4	39.0	
40.0													30.8	58.5	4 800	42.3	62.3	40.0	
42.0													21.9	54.2	3 700	36.2	59.8	42.0	
44.0																29.0	56.5	44.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.3	77.1	25 500*															13.7	
14.0	73.8	77.0	24 800*															14.0	
15.0	72.0	76.7	22 400*															15.0	
16.0	70.2	76.3	20 200*															16.0	
17.0	68.3	75.9	18 400*	71.1	76.4	21 300*												17.0	
18.0	66.4	75.5	16 900*	69.2	76.0	19 300*												18.0	
19.0	64.5	75.0	15 500*	67.4	75.6	17 600*												19.0	
20.0	62.6	74.5	14 200*	65.5	75.1	16 200*	69.6	75.9	19 800*									20.0	
21.0	60.6	73.9	13 200*	63.6	74.6	14 900*	67.8	75.4	18 000*									21.0	
22.0	58.6	73.3	12 100*	61.6	74.1	13 700*	65.9	75.0	16 500*									22.0	
23.0	56.6	72.6	11 200*	59.6	73.5	12 700*	64.0	74.5	15 100*									23.0	
24.0	54.5	71.9	10 300*	57.6	72.9	11 700*	62.0	74.0	14 000*									24.0	
25.0	52.3	71.1	9 400*	55.5	72.2	10 800*	60.1	73.4	12 900*	64.4	74.2	15 500*						25.0	
26.0	50.1	70.3	8 700*	53.4	71.4	9 900*	58.0	72.8	12 000*	62.4	73.7	14 200*						26.0	
27.0	47.7	69.4	8 000*	51.2	70.6	9 100*	56.0	72.1	11 100*	60.5	73.1	13 200*						27.0	
28.0	45.3	68.4	7 400*	48.9	69.7	8 400*	53.8	71.3	10 300*	58.5	72.5	12 200*						28.0	
29.0	42.8	67.3	6 800*	46.5	68.8	7 800*	51.7	70.6	9 400*	56.4	71.9	11 300*						29.0	
30.0	40.2	66.2	6 300*	44.1	67.8	7 200*	49.4	69.7	8 700*	54.3	71.1	10 500*						30.0	
31.0	37.4	64.9	5 800*	41.5	66.7	6 600*	47.1	68.8	8 000*	52.1	70.4	9 800*	59.7	72.0	11 100			31.0	
32.0	34.4	63.4	5 300*	38.8	65.4	6 100*	44.6	67.8	7 400*	49.9	69.5	9 000*	57.7	71.4	10 300			32.0	
33.0	31.1	61.8	5 000*	35.9	64.0	5 600*	42.1	66.7	6 900*	47.5	68.6	8 300*	55.6	70.7	9 400			33.0	
34.0	27.5	59.9	4 600*	32.7	62.5	5 200*	39.4	65.4	6 300*	45.1	67.6	7 600*	53.5	70.0	8 700			34.0	
35.0	23.3	57.7	4 200*	29.3	60.8	4 800*	36.5	64.1	5 900*	42.6	66.5	7 100*	51.3	69.2	7 900			35.0	
36.0	18.2	54.9	3 900*	25.4	58.8	4 500*	33.4	62.6	5 400*	39.9	65.3	6 500*	49.0	68.3	7 200			36.0	
37.0				20.8	56.3	4 100*	30.1	60.9	5 000*	37.1	64.0	6 100*	46.6	67.4	6 500	54.6	69.2	5 500	37.0
38.0				14.9	52.9	3 800*	26.3	59.0	4 600*	34.1	62.6	5 600*	44.2	66.3	5 900	52.4	68.4	4 900	38.0
39.0							21.9	56.6	4 300*	30.8	60.9	5 200*	41.6	65.2	5 300	50.2	67.6	4 300	39.0
40.0										27.1	59.0	4 800*	38.9	64.0	4 700	47.9	66.7	3 700	40.0
42.0										17.6	53.9	4 100*	32.9	61.1	3 600	43.0	64.7	2 700	42.0
44.0													25.6	57.4	2 700				44.0



999 SERIES 3

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
13.7	75.7	80.3	26 100*													13.7
14.0	75.2	80.2	25 700*													14.0
15.0	73.6	79.9	24 000*													15.0
16.0	71.9	79.6	22 200*													16.0
17.0	70.2	79.2	20 200*		79.6	23 200*										17.0
18.0	68.5	78.8	18 600*	71.0	79.3	21 200*										18.0
19.0	66.8	78.4	17 100*	69.4	78.9	19 400*										19.0
20.0	65.1	77.9	15 900*	67.7	78.5	17 900*										20.0
21.0	63.3	77.4	14 700*	65.9	78.0	16 500*										21.0
22.0	61.5	76.8	13 700*	64.2	77.5	15 300*	68.0	78.3	18 300*							22.0
23.0	59.7	76.3	12 800*	62.4	77.0	14 200*	66.3	77.9	16 800*							23.0
24.0	57.9	75.6	11 900*	60.6	76.5	13 200*	64.6	77.4	15 600*							24.0
25.0	56.0	75.0	11 100*	58.8	75.8	12 300*	62.8	76.9	14 500*	66.7	77.6	17 100*				25.0
26.0	54.0	74.2	10 400*	56.9	75.2	11 500*	61.0	76.3	13 500*	64.9	77.1	15 800*				26.0
27.0	52.0	73.4	9 600*	55.0	74.5	10 800*	59.2	75.7	12 600*	63.2	76.6	14 700*				27.0
28.0	50.0	72.6	8 900*	53.0	73.7	10 100*	57.3	75.1	11 700*	61.4	76.1	13 700*				28.0
29.0	47.9	71.7	8 200*	51.0	72.9	9 300*	55.4	74.4	11 000*	59.6	75.5	12 700*				29.0
30.0	45.7	70.7	7 600*	48.9	72.0	8 600*	53.4	73.7	10 300*	57.7	74.9	11 900*				30.0
31.0	43.4	69.7	7 100*	46.7	71.1	8 000*	51.4	72.9	9 700*	55.8	74.2	11 200*				31.0
32.0	41.0	68.5	6 600*	44.5	70.1	7 500*	49.4	72.0	8 900*	53.8	73.4	10 500*	60.7	75.0	10 200	32.0
33.0	38.5	67.3	6 100*	42.2	69.0	7 000*	47.2	71.1	8 300*	51.8	72.7	9 800*	58.9	74.4	9 400	33.0
34.0	35.8	65.9	5 700*	39.7	67.8	6 500*	45.0	70.1	7 800*	49.8	71.8	9 200*	57.0	73.7	8 700	34.0
35.0	33.0	64.4	5 300*	37.1	66.5	6 000*	42.7	69.0	7 200*	47.7	70.9	8 600*	55.1	73.0	7 900	35.0
36.0	29.8	62.7	5 000*	34.4	65.1	5 600*	40.3	67.8	6 700*	45.5	69.9	8 000*	53.1	72.3	7 200	36.0
37.0	26.4	60.7	4 600*	31.4	63.4	5 200*	37.7	66.5	6 200*	43.2	68.9	7 400*	51.1	71.5	6 600	37.0
38.0	22.4	58.4	4 300*	28.1	61.6	4 800*	35.0	65.1	5 800*	40.8	67.7	6 900*	49.0	70.6	6 000	38.0
39.0	17.6	55.5	3 200*	24.4	59.5	4 500*	32.1	63.6	5 400*	38.2	66.4	6 400	46.8	69.7	5 400	39.0
40.0				20.1	56.9	4 000*	28.9	61.8	5 100*	35.6	65.1	5 900	44.6	68.7	4 800	40.0
42.0							21.1	57.3	4 400*	29.6	61.8	4 800	39.8	66.4	3 700	42.0
44.0										22.1	57.5	3 900	34.5	63.6	2 800	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

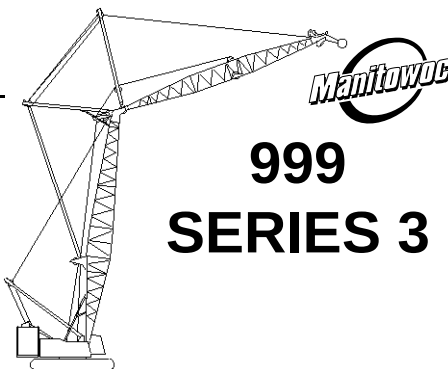
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

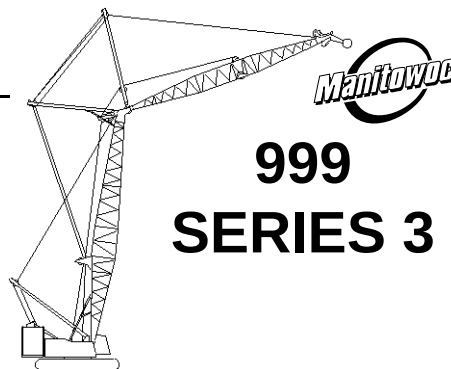
5 m/s with 64.0m thru 73.2m Luffing Jib



999
SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	74.5	83.0	22 700*													15.2
16.0	73.3	82.8	21 200*													16.0
17.0	71.8	82.4	19 400*													17.0
18.0	70.3	82.1	17 800*													18.0
19.0	68.7	81.7	16 400*	71.0	82.2	18 600*										19.0
20.0	67.1	81.3	15 100*	69.5	81.8	17 100*										20.0
21.0	65.5	80.8	14 000*	67.9	81.4	15 800*										21.0
22.0	63.9	80.3	13 000*	66.3	80.9	14 600*	69.8	81.6	17 500*							22.0
23.0	62.3	79.8	12 100*	64.7	80.5	13 500*	68.3	81.2	16 100*							23.0
24.0	60.6	79.2	11 200*	63.1	79.9	12 500*	66.7	80.8	14 800*							24.0
25.0	58.9	78.6	10 400*	61.4	79.4	11 600*	65.1	80.3	13 800*							25.0
26.0	57.2	78.0	9 700*	59.8	78.8	10 800*	63.5	79.8	12 700*	67.0	80.5	15 100*				26.0
27.0	55.4	77.3	9 100*	58.0	78.2	10 100*	61.8	79.3	11 900*	65.4	80.0	14 000*				27.0
28.0	53.6	76.5	8 500*	56.3	77.5	9 400*	60.1	78.7	11 100*	63.8	79.5	13 000*				28.0
29.0	51.8	75.7	7 900*	54.5	76.8	8 800*	58.4	78.1	10 300*	62.1	79.0	12 100*				29.0
30.0	49.9	74.9	7 400*	52.7	76.0	8 200*	56.7	77.4	9 600*	60.5	78.4	11 200*				30.0
31.0	47.9	74.0	6 900*	50.8	75.2	7 700*	54.9	76.7	9 000*	58.8	77.8	10 400*				31.0
32.0	45.9	73.0	6 500*	48.9	74.3	7 200*	53.1	76.0	8 300*	57.0	77.2	9 800*				32.0
33.0	43.8	72.0	6 100*	46.9	73.4	6 700*	51.2	75.2	7 800*	55.3	76.5	9 100*				33.0
34.0	41.7	70.9	5 600*	44.9	72.4	6 300*	49.3	74.3	7 300*	53.5	75.8	8 500*	59.8	77.4	8 400	34.0
35.0	39.4	69.7	5 200*	42.7	71.3	5 900*	47.4	73.4	6 800*	51.6	75.0	8 000*	58.1	76.7	7 700	35.0
36.0	37.0	68.4	4 800*	40.5	70.2	5 500*	45.3	72.4	6 400*	49.7	74.1	7 400*	56.4	76.1	7 000	36.0
37.0	34.4	66.9	4 400*	38.2	68.9	5 100*	43.2	71.3	6 000*	47.8	73.2	7 000*	54.6	75.4	6 300	37.0
38.0	31.7	65.3	4 100*	35.7	67.5	4 700*	41.0	70.2	5 600*	45.7	72.2	6 500*	52.8	74.6	5 700	38.0
39.0	28.8	63.5	3 700*	33.1	66.0	4 300*	38.7	68.9	5 200*	43.6	71.2	6 100*	50.9	73.8	5 100	39.0
40.0	25.5	61.5	3 400*	30.2	64.3	4 000*	36.3	67.6	4 900*	41.5	70.1	5 700	49.0	72.9	4 600	40.0
42.0				23.6	60.2	3 400*	30.9	64.5	4 200*	36.8	67.5	4 700	45.0	71.0	3 600	42.0
44.0							24.4	60.5	3 500*	31.5	64.5	3 700	40.6	68.7	2 600	44.0
46.0										25.2	60.6	2 800				46.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	51.5	57.2	14 800*															12.2	
13.0	46.1	56.4	13 200*															13.0	
14.0	38.6	55.2	11 300*	50.1	56.9	14 500*												14.0	
15.0	29.4	53.5	9 900*	43.2	55.8	12 500*												15.0	
16.0				35.1	54.5	10 800*	52.5	57.0	15 700*b									16.0	
17.0							45.9	56.0	13 200*									17.0	
18.0							38.4	54.8	11 400*									18.0	
19.0							29.1	53.1	10 000*	48.4	56.0	14 300*						19.0	
20.0										41.3	54.9	12 100*						20.0	
21.0										32.8	53.4	10 500*						21.0	
22.0													54.0	55.9	16 900*b			22.0	
23.0													47.6	54.9	14 000*			23.0	
24.0													40.3	53.8	12 100*			24.0	
25.0													31.6	52.2	10 500*			25.0	
26.0																52.7	54.4	16 200*	26.0
27.0																46.1	53.5	13 900*	27.0
28.0																38.6	52.2	11 800*	28.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m												
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall														
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms													
10.7	60.5	58.3	16 200*b																10.7												
11.0	58.6	58.1	15 400*b																11.0												
12.0	52.7	57.4	12 800*																12.0												
13.0	46.1	56.4	10 800*																13.0												
14.0	38.6	55.2	9 300*																14.0												
15.0	29.4	53.5	8 100*	43.2	55.8	10 200*													15.0												
16.0				35.1	54.5	8 800*													52.5	57.0	13 100*	16.0									
17.0																			45.9	56.0	10 900*	60.5	57.6	17 000*b	17.0						
18.0																			38.4	54.8	9 400*	54.7	56.9	14 100*	18.0						
19.0																			29.1	53.1	8 200*	48.4	56.0	11 700*	19.0						
20.0																			20.0												
21.0																						41.3	54.9	10 000*	21.0						
22.0																						32.8	53.4	8 700*	22.0						
23.0																									54.0	55.9	14 000*	23.0			
24.0																									47.6	54.9	11 600*	24.0			
25.0																			25.0												
26.0																									40.3	53.8	9 900*	26.0			
27.0																									31.6	52.2	8 600*	27.0			
28.0																												52.7	54.4	13 500*	28.0
																												46.1	53.5	11 500*	
																38.6	52.2	9 800*													



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

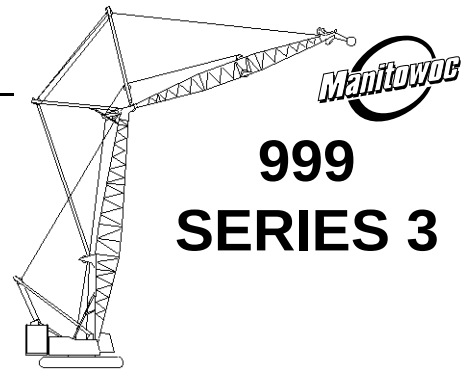
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	60.5	58.3	14 400*																10.7
11.0	58.6	58.1	13 600*																11.0
12.0	52.7	57.4	11 200*																12.0
13.0	46.1	56.4	9 400*	56.3	57.7	12 700*													13.0
14.0	38.6	55.2	8 100*	50.1	56.9	10 500*													14.0
15.0	29.4	53.5	7 000*	43.2	55.8	8 900*													15.0
16.0				35.1	54.5	7 700*	52.5	57.0	11 500*										16.0
17.0							45.9	56.0	9 600*	60.5	57.6	15 000*							17.0
18.0							38.4	54.8	8 200*	54.7	56.9	12 300*							18.0
19.0							29.1	53.1	7 100*	48.4	56.0	10 200*							19.0
20.0										41.3	54.9	8 800*							20.0
21.0										32.8	53.4	7 500*							21.0
22.0													54.0	55.9	12 300*				22.0
23.0													47.6	54.9	10 200*				23.0
24.0													40.3	53.8	8 700*				24.0
25.0													31.6	52.2	7 500*				25.0
26.0																52.7	54.4	11 900*	26.0
27.0																46.1	53.5	10 100*	27.0
28.0																38.6	52.2	8 500*	28.0

REFERENCE ONLY



Liftcrane Luffing Jib Intermediate Fall Capacities

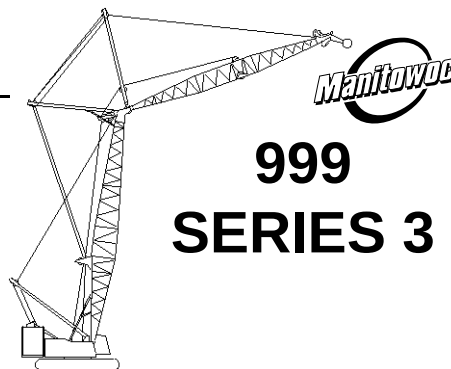
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	67.0	61.8	20 900*															10.7	
11.0	65.6	61.7	19 800*															11.0	
12.0	61.3	61.1	16 400*															12.0	
13.0	56.7	60.4	13 700*	63.9	61.3	18 600*												13.0	
14.0	51.9	59.7	11 900*	59.4	60.7	15 300*												14.0	
15.0	46.7	58.7	10 400*	54.8	60.0	13 000*												15.0	
16.0	41.0	57.6	9 100*	49.9	59.2	11 300*	61.1	60.7	16 700*									16.0	
17.0	34.4	56.2	8 100*	44.5	58.2	9 900*	56.6	60.0	14 000*	67.0	61.1	21 900*						17.0	
18.0	26.4	54.3	7 200*	38.5	56.9	8 700*	51.8	59.3	12 000*	62.7	60.5	18 000*						18.0	
19.0				31.4	55.4	7 700*	46.6	58.3	10 500*	58.3	59.9	14 900*						19.0	
20.0							40.8	57.2	9 200*	53.6	59.2	12 800*						20.0	
21.0							34.2	55.8	8 200*	48.5	58.3	11 100*						21.0	
22.0							26.1	53.8	7 200*	43.0	57.2	9 700*						22.0	
23.0										36.8	55.9	8 600*	57.7	58.9	15 000*			23.0	
24.0										29.3	54.2	7 600*	53.0	58.2	12 900*			24.0	
25.0													47.9	57.3	11 100*			25.0	
26.0													42.3	56.2	9 700*			26.0	
27.0													35.9	54.8	8 600*			27.0	
28.0													28.3	53.1	7 600*	51.9	56.7	28.0	
29.0																46.7	55.8	29.0	
30.0																41.0	54.6	30.0	
31.0																34.4	53.2	31.0	
32.0																26.4	51.3	32.0	



999

SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	68.7	59.2	19 000*b															9.1	
10.0	64.2	58.7	15 800*															10.0	
11.0	58.6	58.1	12 500*	67.4	58.9	18 200*b												11.0	
12.0	52.7	57.4	10 400*	62.0	58.4	14 400*												12.0	
13.0	46.1	56.4	8 900*	56.3	57.7	11 600*												13.0	
14.0	38.6	55.2	7 700*	50.1	56.9	9 800*	64.0	58.4	15 800*									14.0	
15.0	29.4	53.5	6 700*	43.2	55.8	8 400*	58.5	57.7	12 800*									15.0	
16.0				35.1	54.5	7 300*	52.5	57.0	10 500*									16.0	
17.0							45.9	56.0	8 900*	60.5	57.6	13 800*						17.0	
18.0							38.4	54.8	7 700*	54.7	56.9	11 400*						18.0	
19.0							29.1	53.1	6 700*	48.4	56.0	9 500*						19.0	
20.0										41.3	54.9	8 200*						20.0	
21.0										32.8	53.4	7 100*						21.0	
22.0													54.0	55.9	11 400*			22.0	
23.0													47.6	54.9	9 500*			23.0	
24.0													40.3	53.8	8 100*			24.0	
25.0													31.6	52.2	7 100*			25.0	
26.0																52.7	54.4	26.0	
27.0																46.1	53.5	27.0	
28.0																38.6	52.2	28.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

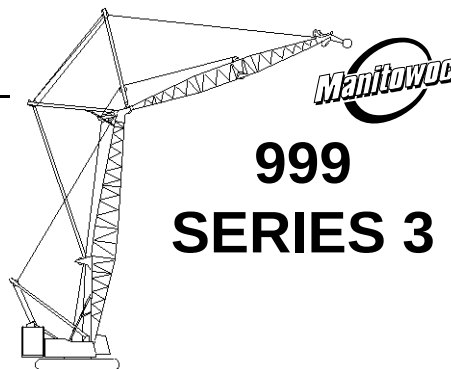
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms
9.1	73.2	62.4	26 300* b	72.2	62.2	24 700* b												9.1			
10.0	69.8	62.1	22 000*															10.0			
11.0	65.6	61.7	17 400*															11.0			
12.0	61.3	61.1	14 500*															12.0			
13.0	56.7	60.4	12 300*															13.0			
14.0	51.9	59.7	10 600*	59.4	60.7	13 600*	69.7	61.7	22 100*	67.0	61.1	19 300*						14.0			
15.0	46.7	58.7	9 200*	54.8	60.0	11 600*	65.5	61.3	17 800*									15.0			
16.0	41.0	57.6	8 100*	49.9	59.2	10 100*	61.1	60.7	14 500*									16.0			
17.0	34.4	56.2	7 200*	44.5	58.2	8 800*	56.6	60.0	12 400*									17.0			
18.0	26.4	54.3	6 400*	38.5	56.9	7 800*	51.8	59.3	10 700*									62.7	60.5	15 900*	18.0
19.0				31.4	55.4	6 900*	46.6	58.3	9 300*	58.3	59.9	13 200*						19.0			
20.0							40.8	57.2	8 200*	53.6	59.2	11 400*						20.0			
21.0							34.2	55.8	7 200*	48.5	58.3	9 800*						21.0			
22.0							26.1	53.8	6 500*	43.0	57.2	8 600*						22.0			
23.0										36.8	55.9	7 600*						57.7	58.9	13 200*	23.0
24.0										29.3	54.2	6 800*	53.0	58.2	11 400*				24.0		
25.0													47.9	57.3	9 800*				25.0		
26.0													42.3	56.2	8 600*				26.0		
27.0													35.9	54.8	7 600*				27.0		
28.0													28.3	53.1	6 700*				51.9	56.7	11 100*
29.0																		29.0			
30.0																		41.0	54.6	8 400*	30.0
31.0																		34.4	53.2	7 500*	31.0
32.0																		26.4	51.3	6 700*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	71.1	65.1	23 700*															10.7	
11.0	70.0	65.0	22 400*															11.0	
12.0	66.5	64.6	18 600*															12.0	
13.0	63.0	64.0	15 600*	68.6	64.7	21 000*												13.0	
14.0	59.3	63.4	13 500*	65.1	64.3	17 300*												14.0	
15.0	55.5	62.8	11 800*	61.5	63.7	14 800*												15.0	
16.0	51.4	62.0	10 400*	57.7	63.1	12 800*	66.4	64.2	18 900*									16.0	
17.0	47.1	61.0	9 300*	53.8	62.3	11 300*	62.9	63.7	15 800*									17.0	
18.0	42.5	59.9	8 300*	49.7	61.5	10 000*	59.2	63.1	13 600*									18.0	
19.0	37.3	58.7	7 400*	45.3	60.5	8 900*	55.3	62.4	11 900*	64.2	63.5	17 100*						19.0	
20.0	31.5	57.1	6 700*	40.5	59.3	7 900*	51.3	61.6	10 500*	60.5	62.9	14 500*						20.0	
21.0	24.2	55.0	6 000*	35.1	58.0	7 100*	47.0	60.6	9 300*	56.8	62.2	12 600*						21.0	
22.0				28.7	56.2	6 400*	42.3	59.5	8 300*	52.8	61.5	11 100*						22.0	
23.0							37.2	58.2	7 500*	48.6	60.6	9 800*						23.0	
24.0							31.3	56.7	6 700*	44.1	59.6	8 700*						24.0	
25.0							24.0	54.6	6 100*	39.1	58.4	7 800*	56.3	61.2	12 600*			25.0	
26.0										33.5	56.9	7 000*	52.3	60.5	11 000*			26.0	
27.0										26.8	55.0	6 300*	48.1	59.6	9 800*			27.0	
28.0													43.5	58.5	8 700*			28.0	
29.0													38.5	57.3	7 800*	55.5	59.8	12 300*	29.0
30.0													32.8	55.8	7 000*	51.4	59.0	10 900*	30.0
31.0													25.9	53.8	6 400*	47.1	58.1	9 600*	31.0
32.0													16.3	50.9	5 800*	42.5	57.0	8 600*	32.0
33.0																37.4	55.7	7 700*	33.0
34.0																31.5	54.1	7 000*	34.0
35.0																24.2	52.1	6 300*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
10.7	73.9	68.4	26 200*															10.7	
11.0	73.0	68.2	25 600*															11.0	
12.0	70.1	67.9	23 700*															12.0	
13.0	67.1	67.5	21 000*															13.0	
14.0	64.1	67.0	17 700*	68.9	67.6	22 800*												14.0	
15.0	61.0	66.4	15 500*	65.9	67.2	19 600*												15.0	
16.0	57.9	65.8	13 700*	62.9	66.6	16 800*												16.0	
17.0	54.5	65.1	12 200*	59.8	66.1	14 800*	67.1	67.1	20 800*									17.0	
18.0	51.1	64.3	10 900*	56.5	65.4	13 100*	64.1	66.6	18 000*									18.0	
19.0	47.4	63.3	9 800*	53.1	64.6	11 700*	61.0	66.0	15 600*									19.0	
20.0	43.5	62.3	8 900*	49.6	63.8	10 500*	57.8	65.4	13 800*	65.2	66.4	19 100*						20.0	
21.0	39.3	61.1	8 100*	45.8	62.8	9 500*	54.4	64.7	12 300*	62.1	65.8	16 700*						21.0	
22.0	34.6	59.7	7 300*	41.8	61.7	8 600*	51.0	63.9	11 000*	58.9	65.2	14 600*						22.0	
23.0	29.2	57.9	6 700*	37.4	60.4	7 800*	47.3	62.9	9 900*	55.7	64.5	12 900*						23.0	
24.0	22.6	55.7	6 100*	32.5	58.9	7 100*	43.4	61.9	9 000*	52.2	63.8	11 600*						24.0	
25.0				26.7	57.0	6 500*	39.1	60.7	8 200*	48.7	62.9	10 400*						25.0	
26.0							34.4	59.2	7 400*	44.8	61.9	9 400*	58.6	64.2	14 500*			26.0	
27.0							29.0	57.5	6 700*	40.7	60.7	8 500*	55.3	63.5	13 000*			27.0	
28.0							22.4	55.3	6 200*	36.2	59.4	7 700*	51.8	62.7	11 500*			28.0	
29.0										31.1	57.8	7 000*	48.2	61.9	10 400*			29.0	
30.0										25.0	55.8	6 400*	44.4	60.8	9 400*			30.0	
31.0													40.2	59.7	8 500*	54.5	62.1	12 800*	31.0
32.0													35.6	58.3	7 800*	51.1	61.3	11 400*	32.0
33.0													30.4	56.7	7 100*	47.4	60.4	10 200*	33.0
34.0													24.2	54.6	6 400*	43.5	59.3	9 300*	34.0
35.0													15.5	51.5	5 900*	39.3	58.1	8 400*	35.0
36.0																34.6	56.7	7 700*	36.0
37.0																29.2	55.0	7 000*	37.0
38.0																22.6	52.8	6 400*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 200*																10.7
11.0	75.2	71.4	26 200*																11.0
12.0	72.7	71.1	26 200*																12.0
13.0	70.2	70.8	24 200*																13.0
14.0	67.6	70.3	21 700*	71.7	70.9	25 500*													14.0
15.0	65.0	69.9	19 000*	69.1	70.5	23 300*													15.0
16.0	62.3	69.3	16 700*	66.6	70.1	20 700*													16.0
17.0	59.6	68.8	14 900*	63.9	69.6	18 100*	70.1	70.4	25 100*										17.0
18.0	56.8	68.1	13 400*	61.2	69.0	16 000*	67.5	70.0	21 800*										18.0
19.0	53.9	67.4	12 100*	58.5	68.4	14 400*	64.9	69.5	19 100*										19.0
20.0	50.8	66.5	11 000*	55.6	67.7	13 000*	62.3	69.0	16 900*										20.0
21.0	47.6	65.6	10 000*	52.6	66.9	11 800*	59.5	68.4	15 100*										21.0
22.0	44.2	64.6	9 200*	49.5	66.1	10 700*	56.7	67.7	13 600*	63.2	68.8	17 900*							22.0
23.0	40.6	63.5	8 400*	46.3	65.1	9 800*	53.8	67.0	12 300*	60.5	68.2	15 800*							23.0
24.0	36.7	62.1	7 700*	42.8	64.1	8 900*	50.7	66.2	11 200*	57.7	67.6	14 200*							24.0
25.0	32.4	60.6	7 100*	39.1	62.8	8 200*	47.5	65.2	10 200*	54.8	66.9	12 900*							25.0
26.0	27.4	58.8	6 600*	35.0	61.4	7 500*	44.1	64.2	9 300*	51.8	66.1	11 600*							26.0
27.0	21.3	56.4	6 100*	30.5	59.8	6 900*	40.5	63.1	8 500*	48.7	65.2	10 600*							27.0
28.0				25.1	57.8	6 400*	36.6	61.7	7 800*	45.4	64.2	9 700*	57.4	66.6	14 200*				28.0
29.0							32.3	60.2	7 200*	41.9	63.1	8 900*	54.5	65.8	12 800*				29.0
30.0							27.3	58.3	6 700*	38.1	61.8	8 200*	51.5	65.0	11 600*				30.0
31.0							21.1	55.9	6 100*	33.9	60.4	7 500*	48.3	64.2	10 600*				31.0
32.0							12.0	52.2	5 700*	29.2	58.7	6 900*	45.0	63.2	9 700*	56.8	65.2	12 600	32.0
33.0										23.5	56.5	6 400*	41.4	62.0	8 900*	53.9	64.4	11 800	33.0
34.0													37.6	60.8	8 200*	50.8	63.6	11 000	34.0
35.0													33.4	59.3	7 600*	47.6	62.7	10 300	35.0
36.0													28.6	57.5	7 000*	44.2	61.7	9 600	36.0
37.0													22.8	55.3	6 400*	40.6	60.5	8 900*	37.0
38.0													14.8	52.1	5 900*	36.7	59.2	8 100*	38.0
39.0																32.4	57.7	7 500*	39.0
40.0																27.4	55.8	6 900*	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.3	74.3	26 200*															12.2	
13.0	72.5	74.0	26 200*															13.0	
14.0	70.3	73.6	25 600*															14.0	
15.0	68.0	73.2	23 600*															15.0	
16.0	65.7	72.8	21 400*	69.3	73.4	24 800*												16.0	
17.0	63.3	72.3	19 200*	67.1	72.9	23 000*												17.0	
18.0	60.9	71.7	17 400*	64.7	72.5	20 700*												18.0	
19.0	58.5	71.1	15 800*	62.4	71.9	18 500*	67.9	72.8	24 300*									19.0	
20.0	55.9	70.4	14 300*	59.9	71.4	16 800*	65.6	72.4	21 600*									20.0	
21.0	53.3	69.7	13 100*	57.4	70.7	15 300*	63.3	71.9	19 500*									21.0	
22.0	50.6	68.8	12 000*	54.9	70.0	13 900*	60.9	71.3	17 600*	66.5	72.2	22 900*						22.0	
23.0	47.8	67.9	11 000*	52.2	69.2	12 700*	58.4	70.7	16 000*	64.1	71.7	20 400*						23.0	
24.0	44.8	66.9	10 100*	49.5	68.4	11 700*	55.9	70.0	14 500*	61.7	71.1	18 400*						24.0	
25.0	41.7	65.8	9 400*	46.6	67.4	10 700*	53.2	69.3	13 300*	59.3	70.5	16 700*						25.0	
26.0	38.3	64.6	8 600*	43.5	66.4	9 900*	50.5	68.5	12 200*	56.8	69.9	15 200*						26.0	
27.0	34.7	63.1	8 000*	40.3	65.2	9 100*	47.7	67.5	11 200*	54.2	69.2	13 900*						27.0	
28.0	30.6	61.5	7 400*	36.9	63.9	8 500*	44.7	66.5	10 300*	51.5	68.4	12 700*	61.5	70.2	17 400			28.0	
29.0	26.0	59.5	6 900*	33.1	62.4	7 900*	41.6	65.4	9 500*	48.7	67.5	11 700*	59.0	69.5	16 400			29.0	
30.0	20.3	57.0	6 500*	28.8	60.6	7 300*	38.2	64.2	8 800*	45.8	66.5	10 700*	56.5	68.9	15 100			30.0	
31.0				23.8	58.5	6 800*	34.5	62.7	8 200*	42.7	65.4	9 900*	53.9	68.2	13 900*			31.0	
32.0				17.5	55.6	6 300*	30.5	61.1	7 600*	39.4	64.2	9 200*	51.2	67.3	12 700*			32.0	
33.0							25.8	59.1	7 100*	35.9	62.9	8 500*	48.4	66.5	11 700*			33.0	
34.0							20.1	56.6	6 600*	32.0	61.3	7 900*	45.5	65.5	10 800*	55.9	67.5	34.0	
35.0							11.8	52.7	6 100*	27.6	59.5	7 300*	42.3	64.4	10 000*	53.3	66.7	35.0	
36.0										22.4	57.2	6 800*	39.0	63.2	9 200*	50.6	65.9	36.0	
37.0													35.5	61.8	8 600*	47.8	65.0	37.0	
38.0													31.5	60.2	7 900*	44.8	64.0	38.0	
39.0													27.0	58.3	7 400*	41.7	62.9	39.0	
40.0													21.7	56.0	6 900*	38.3	61.6	40.0	
42.0																30.6	58.6	42.0	
44.0																20.3	54.1	44.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 200*																10.7
11.0	75.2	71.4	26 100*																11.0
12.0	72.7	71.1	26 000*																12.0
13.0	70.2	70.8	23 800*																13.0
14.0	67.6	70.3	19 900*	71.7	70.9	25 200*													14.0
15.0	65.0	69.9	17 400*	69.1	70.5	21 800*													15.0
16.0	62.3	69.3	15 400*	66.6	70.1	18 900*													16.0
17.0	59.6	68.8	13 800*	63.9	69.6	16 700*	70.1	70.4	23 200*										17.0
18.0	56.8	68.1	12 400*	61.2	69.0	14 800*	67.5	70.0	20 200*										18.0
19.0	53.9	67.4	11 200*	58.5	68.4	13 300*	64.9	69.5	17 600*										19.0
20.0	50.8	66.5	10 100*	55.6	67.7	12 000*	62.3	69.0	15 600*										20.0
21.0	47.6	65.6	9 200*	52.6	66.9	10 800*	59.5	68.4	13 900*										21.0
22.0	44.2	64.6	8 400*	49.5	66.1	9 800*	56.7	67.7	12 600*	63.2	68.8	16 500*							22.0
23.0	40.6	63.5	7 700*	46.3	65.1	9 000*	53.8	67.0	11 400*	60.5	68.2	14 600*							23.0
24.0	36.7	62.1	7 100*	42.8	64.1	8 200*	50.7	66.2	10 300*	57.7	67.6	13 100*							24.0
25.0	32.4	60.6	6 500*	39.1	62.8	7 500*	47.5	65.2	9 400*	54.8	66.9	11 900*							25.0
26.0	27.4	58.8	6 000*	35.0	61.4	6 900*	44.1	64.2	8 600*	51.8	66.1	10 700*							26.0
27.0	21.3	56.4	5 600*	30.5	59.8	6 400*	40.5	63.1	7 900*	48.7	65.2	9 800*							27.0
28.0				25.1	57.8	5 800*	36.6	61.7	7 200*	45.4	64.2	9 000*	57.4	66.6	13 200*				28.0
29.0							32.3	60.2	6 600*	41.9	63.1	8 200*	54.5	65.8	11 900*				29.0
30.0							27.3	58.3	6 100*	38.1	61.8	7 500*	51.5	65.0	10 800*				30.0
31.0							21.1	55.9	5 700*	33.9	60.4	6 900*	48.3	64.2	9 800*				31.0
32.0							12.0	52.2	5 300*	29.2	58.7	6 300*	45.0	63.2	9 000*	56.8	65.2	10 700	32.0
33.0										23.5	56.5	5 900*	41.4	62.0	8 200*	53.9	64.4	9 900	33.0
34.0													37.6	60.8	7 500*	50.8	63.6	9 100	34.0
35.0													33.4	59.3	7 000*	47.6	62.7	8 300	35.0
36.0													28.6	57.5	6 400*	44.2	61.7	7 600	36.0
37.0													22.8	55.3	5 900*	40.6	60.5	7 000	37.0
38.0													14.8	52.1	5 500*	36.7	59.2	6 400	38.0
39.0																32.4	57.7	5 800	39.0
40.0																27.4	55.8	5 200	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

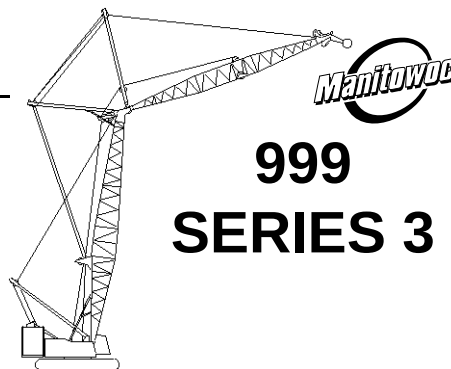
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.3	74.3	26 200*															12.2	
13.0	72.5	74.0	26 200*															13.0	
14.0	70.3	73.6	25 300*															14.0	
15.0	68.0	73.2	22 300*															15.0	
16.0	65.7	72.8	19 700*	69.3	73.4	24 000*												16.0	
17.0	63.3	72.3	17 700*	67.1	72.9	21 300*												17.0	
18.0	60.9	71.7	15 900*	64.7	72.5	19 000*												18.0	
19.0	58.5	71.1	14 400*	62.4	71.9	17 000*	67.9	72.8	22 500*									19.0	
20.0	55.9	70.4	13 100*	59.9	71.4	15 400*	65.6	72.4	19 900*									20.0	
21.0	53.3	69.7	11 900*	57.4	70.7	13 900*	63.3	71.9	17 900*									21.0	
22.0	50.6	68.8	10 900*	54.9	70.0	12 700*	60.9	71.3	16 100*	66.5	72.2	21 000*						22.0	
23.0	47.8	67.9	10 000*	52.2	69.2	11 600*	58.4	70.7	14 600*	64.1	71.7	18 700*						23.0	
24.0	44.8	66.9	9 200*	49.5	68.4	10 600*	55.9	70.0	13 300*	61.7	71.1	16 800*						24.0	
25.0	41.7	65.8	8 500*	46.6	67.4	9 800*	53.2	69.3	12 100*	59.3	70.5	15 200*						25.0	
26.0	38.3	64.6	7 900*	43.5	66.4	9 000*	50.5	68.5	11 200*	56.8	69.9	13 900*						26.0	
27.0	34.7	63.1	7 300*	40.3	65.2	8 300*	47.7	67.5	10 200*	54.2	69.2	12 700*						27.0	
28.0	30.6	61.5	6 700*	36.9	63.9	7 700*	44.7	66.5	9 400*	51.5	68.4	11 600*	61.5	70.2	15 600			28.0	
29.0	26.0	59.5	6 300*	33.1	62.4	7 100*	41.6	65.4	8 700*	48.7	67.5	10 700*	59.0	69.5	14 500			29.0	
30.0	20.3	57.0	5 900*	28.8	60.6	6 600*	38.2	64.2	8 100*	45.8	66.5	9 800*	56.5	68.9	13 500			30.0	
31.0				23.8	58.5	6 100*	34.5	62.7	7 400*	42.7	65.4	9 000*	53.9	68.2	12 600			31.0	
32.0				17.5	55.6	5 700*	30.5	61.1	6 900*	39.4	64.2	8 400*	51.2	67.3	11 700			32.0	
33.0							25.8	59.1	6 400*	35.9	62.9	7 800*	48.4	66.5	10 700*			33.0	
34.0							20.1	56.6	6 000*	32.0	61.3	7 200*	45.5	65.5	9 900*	55.9	67.5	8 900	
35.0							11.8	52.7	5 600*	27.6	59.5	6 700*	42.3	64.4	9 100*	53.3	66.7	8 100	
36.0										22.4	57.2	6 200*	39.0	63.2	8 400*	50.6	65.9	7 400	
37.0													35.5	61.8	7 800*	47.8	65.0	6 800	
38.0													31.5	60.2	7 300*	44.8	64.0	6 200	
39.0													27.0	58.3	6 700	41.7	62.9	5 600	
40.0													21.7	56.0	6 200	38.3	61.6	5 100	
42.0																30.6	58.6	4 100	
44.0																20.3	54.1	3 100	



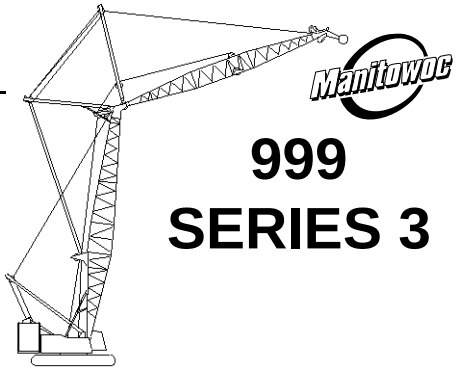
999 SERIES 3

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 200*																10.7
11.0	75.2	71.4	25 700*																11.0
12.0	72.7	71.1	24 300*																12.0
13.0	70.2	70.8	21 800*																13.0
14.0	67.6	70.3	18 400*	71.7	70.9	23 500*													14.0
15.0	65.0	69.9	16 100*	69.1	70.5	20 200*													15.0
16.0	62.3	69.3	14 300*	66.6	70.1	17 500*													16.0
17.0	59.6	68.8	12 800*	63.9	69.6	15 500*	70.1	70.4	21 500*										17.0
18.0	56.8	68.1	11 400*	61.2	69.0	13 700*	67.5	70.0	18 700*										18.0
19.0	53.9	67.4	10 300*	58.5	68.4	12 300*	64.9	69.5	16 300*										19.0
20.0	50.8	66.5	9 300*	55.6	67.7	11 000*	62.3	69.0	14 500*										20.0
21.0	47.6	65.6	8 500*	52.6	66.9	10 000*	59.5	68.4	12 900*										21.0
22.0	44.2	64.6	7 800*	49.5	66.1	9 100*	56.7	67.7	11 600*	63.2	68.8	15 300*							22.0
23.0	40.6	63.5	7 100*	46.3	65.1	8 200*	53.8	67.0	10 500*	60.5	68.2	13 600*							23.0
24.0	36.7	62.1	6 500*	42.8	64.1	7 500*	50.7	66.2	9 500*	57.7	67.6	12 200*							24.0
25.0	32.4	60.6	6 000*	39.1	62.8	6 900*	47.5	65.2	8 600*	54.8	66.9	11 000*							25.0
26.0	27.4	58.8	5 500*	35.0	61.4	6 300*	44.1	64.2	7 900*	51.8	66.1	9 900*							26.0
27.0	21.3	56.4	5 100*	30.5	59.8	5 800*	40.5	63.1	7 200*	48.7	65.2	9 000*							27.0
28.0				25.1	57.8	5 400*	36.6	61.7	6 600*	45.4	64.2	8 300*	57.4	66.6	12 200*				28.0
29.0							32.3	60.2	6 100*	41.9	63.1	7 500*	54.5	65.8	11 000*				29.0
30.0							27.3	58.3	5 600*	38.1	61.8	6 900*	51.5	65.0	10 000*				30.0
31.0							21.1	55.9	5 200*	33.9	60.4	6 300*	48.3	64.2	9 100*				31.0
32.0							12.0	52.2	4 800*	29.2	58.7	5 800*	45.0	63.2	8 300*				32.0
33.0										23.5	56.5	5 400*	41.4	62.0	7 600*				33.0
34.0													37.6	60.8	7 000*	50.8	63.6	7 300	34.0
35.0													33.4	59.3	6 400*	47.6	62.7	6 500	35.0
36.0													28.6	57.5	5 900*	44.2	61.7	5 800	36.0
37.0													22.8	55.3	5 400*	40.6	60.5	5 100	37.0
38.0													14.8	52.1	5 000*	36.7	59.2	4 500	38.0
39.0																32.4	57.7	3 800	39.0
40.0																27.4	55.8	3 200	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
12.2	74.3	74.3	26 200*															12.2	
13.0	72.5	74.0	25 100*															13.0	
14.0	70.3	73.6	23 500*															14.0	
15.0	68.0	73.2	20 700*															15.0	
16.0	65.7	72.8	18 100*	69.3	73.4	22 300*												16.0	
17.0	63.3	72.3	16 200*	67.1	72.9	19 600*												17.0	
18.0	60.9	71.7	14 600*	64.7	72.5	17 400*												18.0	
19.0	58.5	71.1	13 200*	62.4	71.9	15 700*	67.9	72.8	20 800*									19.0	
20.0	55.9	70.4	12 000*	59.9	71.4	14 100*	65.6	72.4	18 400*									20.0	
21.0	53.3	69.7	10 900*	57.4	70.7	12 800*	63.3	71.9	16 400*									21.0	
22.0	50.6	68.8	10 000*	54.9	70.0	11 700*	60.9	71.3	14 800*	66.5	72.2	19 300*						22.0	
23.0	47.8	67.9	9 200*	52.2	69.2	10 700*	58.4	70.7	13 400*	64.1	71.7	17 200*						23.0	
24.0	44.8	66.9	8 400*	49.5	68.4	9 700*	55.9	70.0	12 200*	61.7	71.1	15 500*						24.0	
25.0	41.7	65.8	7 800*	46.6	67.4	8 900*	53.2	69.3	11 100*	59.3	70.5	14 000*						25.0	
26.0	38.3	64.6	7 200*	43.5	66.4	8 200*	50.5	68.5	10 200*	56.8	69.9	12 800*						26.0	
27.0	34.7	63.1	6 600*	40.3	65.2	7 600*	47.7	67.5	9 400*	54.2	69.2	11 600*						27.0	
28.0	30.6	61.5	6 200*	36.9	63.9	7 000*	44.7	66.5	8 600*	51.5	68.4	10 700*	61.5	70.2	13 900			28.0	
29.0	26.0	59.5	5 700*	33.1	62.4	6 500*	41.6	65.4	7 900*	48.7	67.5	9 800*	59.0	69.5	12 800			29.0	
30.0	20.3	57.0	5 300*	28.8	60.6	6 000*	38.2	64.2	7 300*	45.8	66.5	9 000*	56.5	68.9	11 800			30.0	
31.0				23.8	58.5	5 600*	34.5	62.7	6 800*	42.7	65.4	8 300*	53.9	68.2	10 800			31.0	
32.0				17.5	55.6	5 200*	30.5	61.1	6 300*	39.4	64.2	7 700*	51.2	67.3	9 900			32.0	
33.0							25.8	59.1	5 800*	35.9	62.9	7 100*	48.4	66.5	9 000			33.0	
34.0							20.1	56.6	5 400*	32.0	61.3	6 600*	45.5	65.5	8 200	55.9	67.5	7 200	
35.0							11.8	52.7	5 100*	27.6	59.5	6 100*	42.3	64.4	7 500	53.3	66.7	6 400	
36.0										22.4	57.2	5 700*	39.0	63.2	6 800	50.6	65.9	5 700	
37.0													35.5	61.8	6 100	47.8	65.0	5 100	
38.0													31.5	60.2	5 400	44.8	64.0	4 400	
39.0													27.0	58.3	4 800	41.7	62.9	3 800	
40.0													21.7	56.0	4 200	38.3	61.6	3 200	
42.0																30.6	58.6	2 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

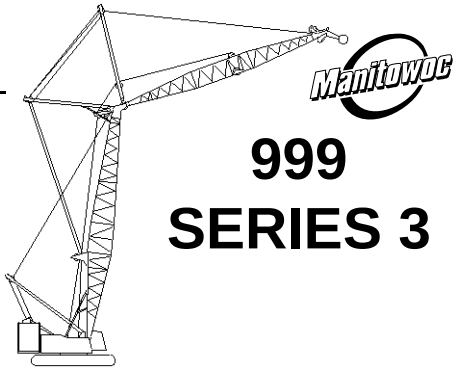
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.9	77.4	26 100*															12.2	
13.0	74.3	77.2	26 100*															13.0	
14.0	72.3	76.9	25 500*															14.0	
15.0	70.3	76.5	23 300*															15.0	
16.0	68.3	76.1	21 200*	71.5	76.6	24 600*												16.0	
17.0	66.2	75.7	19 000*	69.5	76.3	22 500*												17.0	
18.0	64.1	75.2	17 200*	67.4	75.8	20 400*												18.0	
19.0	62.0	74.7	15 600*	65.4	75.4	18 400*												19.0	
20.0	59.8	74.1	14 200*	63.2	74.9	16 600*	68.2	75.7	21 300*									20.0	
21.0	57.6	73.4	12 900*	61.1	74.3	15 100*	66.2	75.3	19 300*									21.0	
22.0	55.3	72.7	11 800*	58.9	73.7	13 800*	64.1	74.8	17 400*									22.0	
23.0	52.9	72.0	10 900*	56.6	73.0	12 600*	61.9	74.3	15 800*	66.9	75.1	20 100*						23.0	
24.0	50.4	71.1	10 000*	54.3	72.3	11 600*	59.7	73.7	14 400*	64.8	74.6	18 200*						24.0	
25.0	47.9	70.2	9 300*	51.9	71.5	10 700*	57.5	73.0	13 200*	62.7	74.1	16 500*						25.0	
26.0	45.2	69.3	8 600*	49.4	70.7	9 900*	55.2	72.3	12 100*	60.5	73.5	15 000*						26.0	
27.0	42.5	68.2	8 000*	46.8	69.7	9 100*	52.8	71.6	11 200*	58.3	72.9	13 700*						27.0	
28.0	39.5	67.0	7 400*	44.1	68.7	8 400*	50.4	70.7	10 300*	56.0	72.2	12 600*						28.0	
29.0	36.4	65.6	6 900*	41.3	67.6	7 800*	47.8	69.8	9 500*	53.7	71.5	11 700*	62.4	73.1	12 700			29.0	
30.0	32.9	64.1	6 400*	38.2	66.3	7 300*	45.2	68.9	8 800*	51.3	70.7	10 700*	60.3	72.5	11 700			30.0	
31.0	29.1	62.4	5 900*	35.0	64.9	6 800*	42.4	67.8	8 200*	48.8	69.8	9 900*	58.0	71.9	10 700			31.0	
32.0	24.8	60.3	5 600*	31.4	63.3	6 300*	39.4	66.6	7 600*	46.1	68.8	9 200*	55.8	71.2	9 800			32.0	
33.0	19.5	57.7	5 200*	27.4	61.5	5 900*	36.3	65.2	7 100*	43.4	67.8	8 500*	53.4	70.5	9 000			33.0	
34.0				22.8	59.2	5 500*	32.8	63.7	6 600*	40.5	66.6	7 900*	51.0	69.6	8 200			34.0	
35.0				16.9	56.2	5 100*	29.0	61.9	6 100*	37.4	65.3	7 400*	48.5	68.8	7 500			35.0	
36.0							24.6	59.9	5 700*	34.1	63.9	6 900*	45.8	67.8	6 800	55.3	69.8	5 700	36.0
37.0							19.3	57.2	5 300*	30.4	62.2	6 400*	43.1	66.7	6 100	52.9	69.0	5 000	37.0
38.0							11.7	53.3	4 800*	26.3	60.3	6 000*	40.2	65.6	5 500	50.4	68.2	4 400	38.0
39.0										21.4	57.9	5 600*	37.0	64.2	4 900	47.9	67.3	3 800	39.0
40.0													33.7	62.8	4 300	45.2	66.3	3 300	40.0
42.0													25.8	59.1	3 200	39.5	64.0	2 200	42.0
44.0													13.9	53.2	2 300				44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

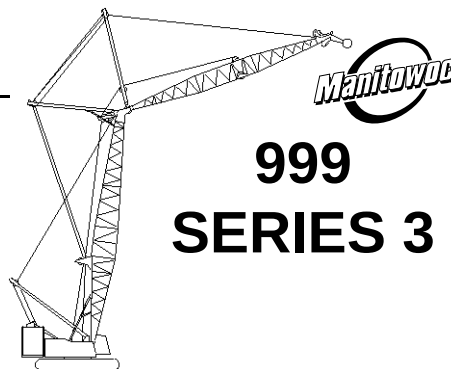
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.5	80.2	25 900*															13.7	
14.0	74.0	80.1	25 200*															14.0	
15.0	72.2	79.8	22 700*															15.0	
16.0	70.4	79.4	20 500*															16.0	
17.0	68.5	79.0	18 600*	71.4	79.5	21 800*												17.0	
18.0	66.6	78.6	17 000*	69.6	79.1	19 800*												18.0	
19.0	64.8	78.1	15 700*	67.8	78.7	18 000*												19.0	
20.0	62.8	77.6	14 400*	65.9	78.3	16 500*	70.3	79.0	20 600*									20.0	
21.0	60.9	77.0	13 300*	64.0	77.8	15 200*	68.5	78.6	18 700*									21.0	
22.0	58.8	76.4	12 300*	62.0	77.2	14 000*	66.6	78.2	17 100*									22.0	
23.0	56.8	75.8	11 200*	60.0	76.7	12 900*	64.7	77.7	15 700*									23.0	
24.0	54.7	75.0	10 300*	58.0	76.0	11 900*	62.8	77.2	14 400*									24.0	
25.0	52.5	74.3	9 500*	55.9	75.4	11 000*	60.8	76.6	13 300*	65.4	77.5	16 300*						25.0	
26.0	50.3	73.4	8 700*	53.8	74.6	10 100*	58.8	76.0	12 400*	63.5	77.0	14 900*						26.0	
27.0	48.0	72.5	8 000*	51.6	73.8	9 300*	56.7	75.4	11 500*	61.5	76.4	13 800*						27.0	
28.0	45.6	71.6	7 400*	49.4	73.0	8 600*	54.6	74.7	10 600*	59.5	75.9	12 800*						28.0	
29.0	43.1	70.5	6 800*	47.0	72.1	7 900*	52.5	73.9	9 800*	57.5	75.2	11 800*						29.0	
30.0	40.5	69.3	6 300*	44.6	71.0	7 200*	50.2	73.0	9 000*	55.4	74.5	11 000*						30.0	
31.0	37.7	68.1	5 800*	42.0	69.9	6 700*	47.9	72.1	8 300*	53.3	73.8	10 200*	61.3	75.5	10 500			31.0	
32.0	34.7	66.6	5 300*	39.4	68.7	6 200*	45.5	71.2	7 600*	51.1	73.0	9 400*	59.3	74.9	9 600			32.0	
33.0	31.5	65.0	4 900*	36.5	67.4	5 700*	43.0	70.1	7 000*	48.8	72.1	8 700*	57.2	74.2	8 800			33.0	
34.0	27.9	63.2	4 600*	33.4	65.9	5 300*	40.4	68.9	6 500*	46.4	71.1	8 000*	55.2	73.5	8 000			34.0	
35.0	23.8	61.0	4 200*	30.0	64.2	4 900*	37.6	67.7	6 000*	43.9	70.1	7 400*	53.0	72.8	7 300			35.0	
36.0	18.8	58.3	3 900*	26.3	62.3	4 500*	34.6	66.2	5 500*	41.4	69.0	6 800*	50.8	71.9	6 600			36.0	
37.0				21.9	59.9	4 200*	31.4	64.6	5 100*	38.6	67.7	6 300*	48.5	71.1	5 900	56.8	72.8	4 800	37.0
38.0				16.3	56.8	3 900*	27.8	62.8	4 700*	35.7	66.4	5 800*	46.1	70.1	5 300	54.7	72.1	4 200	38.0
39.0							23.6	60.6	4 400*	32.6	64.8	5 400*	43.6	69.1	4 700	52.5	71.3	3 700	39.0
40.0							18.6	57.8	3 900*	29.1	63.1	5 000*	41.0	67.9	4 200	50.3	70.5	3 100	40.0
42.0										20.6	58.5	4 300	35.4	65.3	3 100	45.6	68.6	2 100	42.0
44.0													28.7	61.9	2 200				44.0


999
SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

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

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
13.7	75.8	83.3	26 100*													13.7
14.0	75.4	83.3	25 700*													14.0
15.0	73.7	83.0	24 200*													15.0
16.0	72.1	82.6	22 500*													16.0
17.0	70.4	82.3	20 400*	73.1	82.7	23 600*										17.0
18.0	68.7	81.9	18 800*	71.4	82.4	21 600*										18.0
19.0	67.0	81.5	17 300*	69.7	82.0	19 800*										19.0
20.0	65.3	81.0	16 000*	68.0	81.6	18 200*										20.0
21.0	63.5	80.5	14 900*	66.3	81.2	16 800*										21.0
22.0	61.7	80.0	13 800*	64.6	80.7	15 600*	68.7	81.5	18 900*							22.0
23.0	59.9	79.4	12 900*	62.8	80.2	14 500*	67.0	81.1	17 400*							23.0
24.0	58.1	78.7	12 000*	61.0	79.6	13 500*	65.2	80.6	16 100*							24.0
25.0	56.2	78.1	11 200*	59.2	79.0	12 600*	63.5	80.1	14 900*							25.0
26.0	54.2	77.4	10 400*	57.3	78.4	11 800*	61.7	79.6	13 900*	65.9	80.4	16 500*				26.0
27.0	52.2	76.6	9 600*	55.4	77.7	11 000*	59.9	79.0	12 900*	64.1	79.9	15 400*				27.0
28.0	50.2	75.7	8 900*	53.4	76.9	10 200*	58.0	78.4	12 100*	62.3	79.4	14 300*				28.0
29.0	48.1	74.8	8 300*	51.4	76.1	9 400*	56.1	77.7	11 300*	60.5	78.8	13 300*				29.0
30.0	45.9	73.9	7 700*	49.3	75.3	8 800*	54.2	77.0	10 600*	58.7	78.2	12 400*				30.0
31.0	43.6	72.8	7 100*	47.2	74.4	8 200*	52.2	76.2	9 900*	56.8	77.5	11 600*				31.0
32.0	41.3	71.7	6 600*	45.0	73.4	7 600*	50.1	75.3	9 200*	54.9	76.8	10 900*	62.1	78.4	9 600	32.0
33.0	38.8	70.5	6 100*	42.7	72.3	7 000*	48.0	74.4	8 500*	52.9	76.1	10 100	60.3	77.8	8 800	33.0
34.0	36.1	69.1	5 700*	40.2	71.1	6 500*	45.8	73.5	7 900*	50.9	75.3	9 400	58.5	77.2	8 000	34.0
35.0	33.3	67.6	5 300*	37.7	69.8	6 100*	43.6	72.4	7 400*	48.8	74.4	8 700	56.6	76.5	7 300	35.0
36.0	30.2	65.9	5 000*	35.0	68.4	5 700*	41.2	71.3	6 900*	46.6	73.5	8 000	54.6	75.8	6 600	36.0
37.0	26.8	64.0	4 600*	32.0	66.8	5 300*	38.7	70.1	6 400*	44.4	72.4	7 300	52.7	75.1	6 000	37.0
38.0	22.9	61.7	4 300*	28.9	65.1	4 900*	36.0	68.7	6 000*	42.1	71.3	6 600	50.6	74.2	5 400	38.0
39.0	18.2	58.9	3 300*	25.3	63.0	4 500*	33.2	67.2	5 600*	39.6	70.1	6 000	48.5	73.4	4 800	39.0
40.0				21.1	60.6	4 100*	30.1	65.5	5 200*	37.0	68.8	5 500	46.4	72.4	4 200	40.0
42.0							22.8	61.3	4 500*	31.3	65.8	4 400	41.8	70.3	3 200	42.0
44.0										24.3	61.8	3 500	36.7	67.7	2 300	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

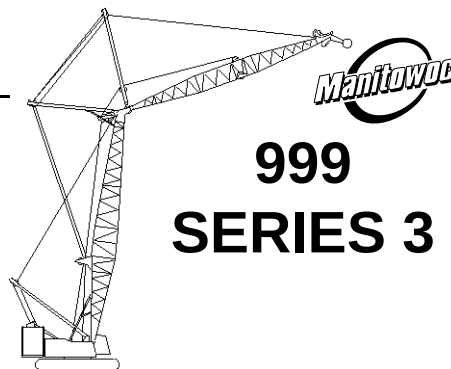
**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 61.0m Luffing Jib		
5 m/s with 64.0m thru 73.2m Luffing Jib		

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	74.7	86.1	22 800*													15.2
16.0	73.5	85.8	21 400*													16.0
17.0	72.0	85.5	19 600*													17.0
18.0	70.4	85.2	18 000*													18.0
19.0	68.9	84.8	16 600*	71.4	85.3	19 000*										19.0
20.0	67.3	84.4	15 300*	69.8	84.9	17 400*										20.0
21.0	65.7	83.9	14 100*	68.2	84.5	16 100*										21.0
22.0	64.1	83.4	13 100*	66.7	84.1	14 800*										22.0
23.0	62.5	82.9	12 200*	65.1	83.6	13 700*	68.8	84.4	16 600*							23.0
24.0	60.8	82.3	11 300*	63.4	83.1	12 700*	67.3	84.0	15 400*							24.0
25.0	59.1	81.7	10 500*	61.8	82.6	11 800*	65.7	83.5	14 200*							25.0
26.0	57.4	81.1	9 800*	60.1	82.0	11 000*	64.1	83.0	13 100*	67.8	83.7	15 800*				26.0
27.0	55.6	80.4	9 200*	58.4	81.4	10 300*	62.4	82.5	12 200*	66.2	83.3	14 600*				27.0
28.0	53.8	79.7	8 500*	56.7	80.7	9 600*	60.8	81.9	11 400*	64.6	82.8	13 500*				28.0
29.0	52.0	78.9	8 000*	54.9	80.0	8 900*	59.1	81.3	10 600*	63.0	82.3	12 600*				29.0
30.0	50.1	78.0	7 500*	53.1	79.2	8 300*	57.3	80.7	9 900*	61.4	81.8	11 700*				30.0
31.0	48.2	77.2	7 000*	51.2	78.4	7 800*	55.6	80.0	9 200*	59.7	81.2	10 900*				31.0
32.0	46.1	76.2	6 500*	49.3	77.6	7 300*	53.8	79.3	8 600*	58.0	80.5	10 200*				32.0
33.0	44.1	75.2	6 100*	47.3	76.7	6 800*	51.9	78.5	8 000*	56.2	79.9	9 500*				33.0
34.0	41.9	74.1	5 600*	45.3	75.7	6 400*	50.0	77.6	7 500*	54.4	79.2	8 900*	61.2	80.8	7 700	34.0
35.0	39.6	72.9	5 200*	43.2	74.6	6 000*	48.1	76.8	7 000*	52.6	78.4	8 300*	59.5	80.2	7 000	35.0
36.0	37.3	71.6	4 800*	41.0	73.5	5 600*	46.1	75.8	6 600*	50.7	77.6	7 700	57.8	79.5	6 300	36.0
37.0	34.7	70.1	4 400*	38.7	72.2	5 200*	44.0	74.8	6 200*	48.8	76.7	7 100	56.0	78.9	5 700	37.0
38.0	32.0	68.6	4 100*	36.2	70.9	4 800*	41.8	73.6	5 800*	46.8	75.8	6 500	54.2	78.1	5 100	38.0
39.0	29.1	66.8	3 700*	33.6	69.4	4 400*	39.6	72.4	5 400*	44.8	74.8	5 900	52.4	77.4	4 600	39.0
40.0	25.8	64.8	3 400*	30.9	67.8	4 000*	37.2	71.1	5 000*	42.6	73.7	5 300	50.5	76.5	4 100	40.0
42.0				24.4	63.8	3 400*	31.9	68.1	4 300*	38.1	71.2	4 300	46.6	74.7	3 000	42.0
44.0							25.7	64.4	3 600*	32.9	68.3	3 300	42.4	72.6	2 100	44.0
46.0										27.0	64.7	2 500				46.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

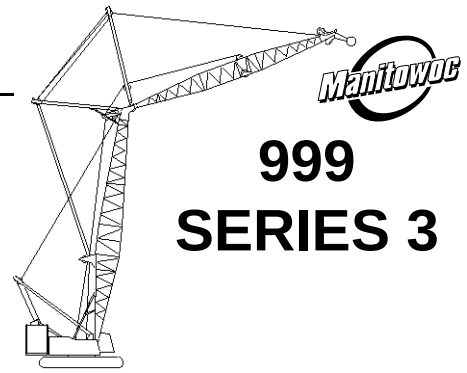
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	52.1	60.3	15 100*															12.2	
13.0	46.8	59.6	13 500*															13.0	
14.0	39.5	58.4	11 500*	51.4	60.1	15 100*												14.0	
15.0	30.5	56.8	10 100*	44.7	59.1	12 900*												15.0	
16.0				37.0	57.8	11 100*												16.0	
17.0							48.4	59.4	14 200*									17.0	
18.0							41.3	58.3	12 200*									18.0	
19.0							32.8	56.8	10 500*	51.8	59.5	15 800*b						19.0	
20.0										45.1	58.5	13 200*						20.0	
21.0										37.5	57.2	11 400*						21.0	
22.0													52.7	58.6	16 300*			22.0	
23.0													46.1	57.7	13 900*			23.0	
24.0													38.6	56.4	11 900*			24.0	
25.0																		25.0	
26.0																		26.0	
27.0																46.4	56.4	14 200*	27.0
28.0																39.0	55.2	12 100*	28.0
29.0																29.8	53.5	10 500*	29.0
30.0																			30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	61.1	61.5	16 700* b															10.7	
11.0	59.2	61.2	15 800* b															11.0	
12.0	53.3	60.5	13 100*															12.0	
13.0	46.8	59.6	11 000*	57.5	60.9	15 200*												13.0	
14.0	39.5	58.4	9 500*	51.4	60.1	12 500*												14.0	
15.0	30.5	56.8	8 300*	44.7	59.1	10 600*												15.0	
16.0				37.0	57.8	9 100*	54.8	60.3	14 100*									16.0	
17.0							48.4	59.4	11 700*									17.0	
18.0							41.3	58.3	10 000*									18.0	
19.0							32.8	56.8	8 700*	51.8	59.5	13 100*						19.0	
20.0										45.1	58.5	10 900*						20.0	
21.0										37.5	57.2	9 400*						21.0	
22.0													58.7	59.4	16 700* b			22.0	
23.0													52.7	58.6	13 500*			23.0	
24.0													46.1	57.7	11 300*			24.0	
25.0													38.6	56.4	9 800*			25.0	
26.0																		26.0	
27.0																		27.0	
28.0																46.4	56.4	11 800*	28.0
29.0																39.0	55.2	10 000*	29.0
30.0																29.8	53.5	8 600*	30.0



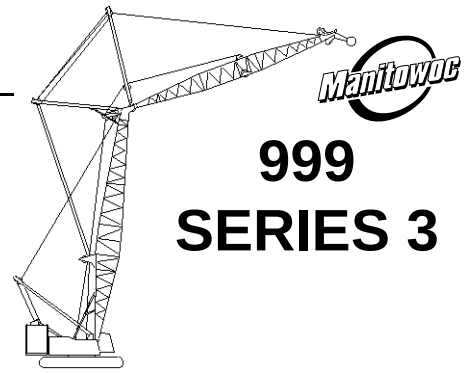
999 SERIES 3

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.1	61.5	14 800*																10.7
11.0	59.2	61.2	14 000*																11.0
12.0	53.3	60.5	11 500*																12.0
13.0	46.8	59.6	9 600*	57.5	60.9	13 400*													13.0
14.0	39.5	58.4	8 300*	51.4	60.1	10 900*													14.0
15.0	30.5	56.8	7 200*	44.7	59.1	9 300*													15.0
16.0				37.0	57.8	8 000*	54.8	60.3	12 400*										16.0
17.0							48.4	59.4	10 200*	63.5	60.9	17 200* ^b							17.0
18.0							41.3	58.3	8 700*	57.8	60.3	13 900*							18.0
19.0							32.8	56.8	7 500*	51.8	59.5	11 200*							19.0
20.0										45.1	58.5	9 600*							20.0
21.0										37.5	57.2	8 200*							21.0
22.0													58.7	59.4	14 700*				22.0
23.0													52.7	58.6	11 800*				23.0
24.0													46.1	57.7	9 900*				24.0
25.0													38.6	56.4	8 500*				25.0
26.0																			26.0
27.0																			27.0
28.0																46.4	56.4	10 300*	28.0
29.0																39.0	55.2	8 700*	29.0
30.0																29.8	53.5	7 500*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

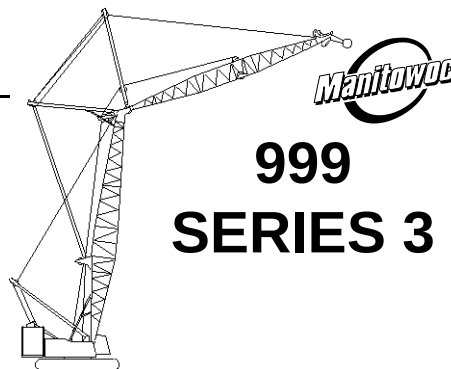
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall					
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms				
10.7	67.4	64.9	21 500*	64.8	64.5	19 500*																
11.0	66.0	64.8	20 400*																			
12.0	61.7	64.2	16 800*																			
13.0	57.2	63.6	14 000*																			
14.0	52.4	62.8	12 100*																			
15.0	47.3	61.9	10 600*	55.8	63.2	13 500*	62.8	64.0	18 100*													
16.0	41.6	60.8	9 300*	50.9	62.4	11 700*																
17.0	35.2	59.4	8 200*	45.7	61.4	10 200*																
18.0	27.3	57.6	7 300*	39.8	60.3	9 000*																
19.0				33.0	58.8	8 000*																
20.0							43.0	60.7	9 700*	56.1	62.6	14 000*										
21.0							36.8	59.3	8 600*	51.2	61.8	12 000*										
22.0							29.4	57.7	7 600*	46.0	60.8	10 500*										
23.0										40.2	59.6	9 300*								61.3	62.4	17 400*
24.0																				33.4	58.2	8 200*
25.0													51.9	60.9	12 500*							
26.0																				46.7	60.0	10 900*
27.0																				41.0	58.8	9 600*
28.0																				34.5	57.4	8 500*
29.0																						
30.0																47.0	58.7	11 200*	30.0			
31.0																			41.3	57.6	9 700*	31.0
32.0																			34.7	56.2	8 600*	32.0
33.0																			26.8	54.3	7 600*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

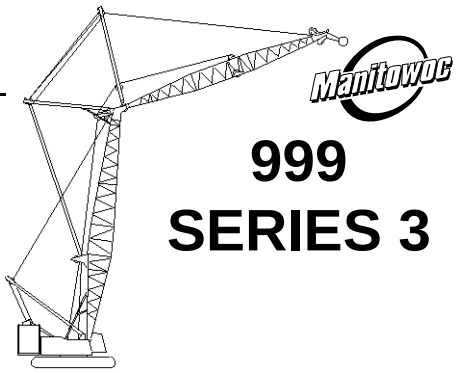
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	61.1	61.5	13 700*															10.7	
11.0	59.2	61.2	13 000*															11.0	
12.0	53.3	60.5	10 800*															12.0	
13.0	46.8	59.6	9 000*	57.5	60.9	12 500*												13.0	
14.0	39.5	58.4	7 800*	51.4	60.1	10 200*	66.0	61.6	17 500*									14.0	
15.0	30.5	56.8	6 800*	44.7	59.1	8 700*	60.6	61.0	13 900*									15.0	
16.0				37.0	57.8	7 500*	54.8	60.3	11 200*									16.0	
17.0							48.4	59.4	9 500*	63.5	60.9	15 700*						17.0	
18.0							41.3	58.3	8 200*	57.8	60.3	12 800*						18.0	
19.0							32.8	56.8	7 100*	51.8	59.5	10 400*						19.0	
20.0										45.1	58.5	8 900*						20.0	
21.0										37.5	57.2	7 700*						21.0	
22.0													58.7	59.4	13 400*			22.0	
23.0													52.7	58.6	10 900*			23.0	
24.0													46.1	57.7	9 200*			24.0	
25.0													38.6	56.4	7 900*			25.0	
26.0																		26.0	
27.0																		27.0	
28.0																46.4	56.4	9 500*	28.0
29.0																39.0	55.2	8 100*	29.0
30.0																29.8	53.5	7 000*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

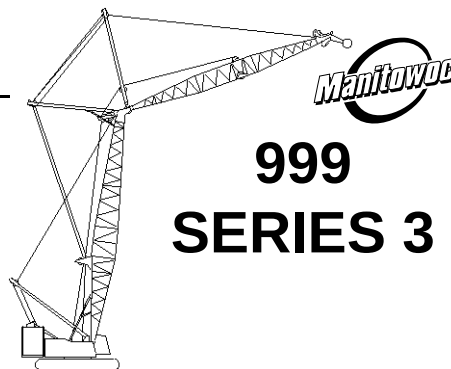
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall					
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms				
10.7	67.4	64.9	19 100*	64.8	64.5	17 300*													10.7			
11.0	66.0	64.8	18 100*																11.0			
12.0	61.7	64.2	15 000*																12.0			
13.0	57.2	63.6	12 500*																13.0			
14.0	52.4	62.8	10 800*																14.0			
15.0	47.3	61.9	9 400*	55.8	63.2	12 000*	62.8	64.0	16 000*										15.0			
16.0	41.6	60.8	8 200*	50.9	62.4	10 400*													16.0			
17.0	35.2	59.4	7 300*	45.7	61.4	9 100*													58.3	63.3	13 200*	17.0
18.0	27.3	57.6	6 500*	39.8	60.3	8 000*													53.6	62.6	11 300*	18.0
19.0				33.0	58.8	7 100*													48.6	61.7	9 900*	60.7
20.0							43.0	60.7	8 600*	56.1	62.6	12 400*							20.0			
21.0							36.8	59.3	7 600*	51.2	61.8	10 700*							21.0			
22.0							29.4	57.7	6 800*	46.0	60.8	9 300*							22.0			
23.0										40.2	59.6	8 200*							61.3	62.4	15 200*	23.0
24.0																			33.4	58.2	7 200*	56.7
25.0													51.9	60.9	11 000*				25.0			
26.0													46.7	60.0	9 600*				26.0			
27.0													41.0	58.8	8 400*				27.0			
28.0													34.5	57.4	7 500*				28.0			
29.0																			52.1	59.6	11 200*	29.0
30.0																		47.0	58.7	9 800*	30.0	
31.0																		41.3	57.6	8 600*	31.0	
32.0																		34.7	56.2	7 600*	32.0	
33.0																		26.8	54.3	6 700*	33.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 61.0m Luffing Jib	
5 m/s with 64.0m thru 73.2m Luffing Jib	

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	71.4	68.2	24 400*															10.7	
11.0	70.3	68.1	23 000*															11.0	
12.0	66.9	67.7	19 000*															12.0	
13.0	63.3	67.1	15 900*	69.3	67.9	22 000*												13.0	
14.0	59.7	66.6	13 800*	65.8	67.4	18 000*												14.0	
15.0	55.9	65.9	12 000*	62.3	66.9	15 300*												15.0	
16.0	51.9	65.1	10 600*	58.6	66.2	13 300*	67.7	67.4	20 400*									16.0	
17.0	47.6	64.2	9 400*	54.7	65.5	11 600*	64.2	66.9	16 900*									17.0	
18.0	43.0	63.1	8 400*	50.6	64.7	10 300*	60.6	66.3	14 500*									18.0	
19.0	37.9	61.9	7 500*	46.3	63.8	9 100*	56.8	65.7	12 600*									19.0	
20.0	32.1	60.3	6 800*	41.5	62.6	8 200*	52.8	64.9	11 100*	62.5	66.2	15 900*						20.0	
21.0	25.1	58.3	6 100*	36.3	61.3	7 300*	48.6	64.0	9 800*	58.8	65.6	13 700*						21.0	
22.0				30.2	59.7	6 600*	44.1	63.0	8 700*	54.9	64.9	11 900*						22.0	
23.0							39.2	61.8	7 800*	50.8	64.1	10 500*						23.0	
24.0							33.6	60.3	7 000*	46.5	63.1	9 300*						24.0	
25.0							26.9	58.5	6 300*	41.8	62.0	8 300*	59.3	64.7	14 200*			25.0	
26.0										36.6	60.7	7 500*	55.5	64.0	12 300*			26.0	
27.0										30.6	59.1	6 700*	51.4	63.2	10 800*			27.0	
28.0													47.1	62.3	9 600*			28.0	
29.0													42.5	61.2	8 600*			29.0	
30.0													37.4	59.9	7 700*			30.0	
31.0													31.5	58.3	6 900*	51.6	61.9	11 100*	
32.0													24.2	56.3	6 300*	47.3	61.0	9 800*	
33.0																42.7	59.9	8 700*	
34.0																37.6	58.6	7 800*	
35.0																31.7	57.1	7 000*	
36.0																24.6	55.0	6 300*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

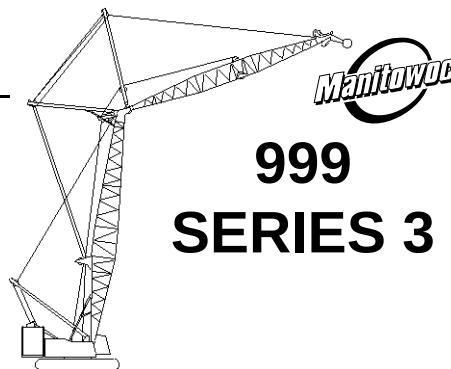
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	74.2	71.4	26 200*															10.7	
11.0	73.3	71.3	25 700*															11.0	
12.0	70.4	71.0	24 200*															12.0	
13.0	67.5	70.5	21 600*															13.0	
14.0	64.5	70.1	18 000*	69.5	70.7	23 800*												14.0	
15.0	61.4	69.5	15 800*	66.6	70.3	20 300*												15.0	
16.0	58.2	68.9	13 900*	63.5	69.8	17 400*												16.0	
17.0	54.9	68.2	12 300*	60.4	69.2	15 300*	68.2	70.3	22 300*									17.0	
18.0	51.4	67.4	11 100*	57.2	68.6	13 500*	65.2	69.8	19 200*									18.0	
19.0	47.8	66.5	10 000*	53.9	67.8	12 000*	62.1	69.3	16 500*									19.0	
20.0	43.9	65.5	9 000*	50.4	67.0	10 800*	59.0	68.7	14 600*	66.7	69.6	20 800*						20.0	
21.0	39.7	64.3	8 100*	46.7	66.1	9 700*	55.7	68.0	12 900*	63.7	69.1	18 000*						21.0	
22.0	35.1	62.9	7 400*	42.7	65.0	8 800*	52.3	67.2	11 500*	60.6	68.6	15 600*						22.0	
23.0	29.8	61.2	6 800*	38.4	63.8	8 000*	48.7	66.3	10 400*	57.4	67.9	13 900*						23.0	
24.0	23.4	59.0	6 200*	33.6	62.3	7 200*	44.9	65.3	9 400*	54.1	67.2	12 300*						24.0	
25.0				28.0	60.5	6 600*	40.8	64.2	8 500*	50.6	66.4	11 100*						25.0	
26.0							36.2	62.8	7 700*	46.9	65.4	10 000*	61.1	67.7	16 200*			26.0	
27.0							31.1	61.2	7 000*	42.9	64.4	9 000*	57.9	67.0	14 300*			27.0	
28.0							25.1	59.2	6 400*	38.7	63.1	8 100*	54.5	66.3	12 700*			28.0	
29.0										33.9	61.7	7 400*	51.1	65.5	11 400*			29.0	
30.0										28.4	59.9	6 800*	47.4	64.6	10 200*			30.0	
31.0													43.5	63.6	9 200*			31.0	
32.0													39.3	62.3	8 400*	54.7	65.0	11 800	
33.0													34.6	60.9	7 600*	51.2	64.2	11 000	
34.0													29.2	59.2	6 900*	47.6	63.3	10 200	
35.0													22.6	57.0	6 300*	43.7	62.3	9 400	
36.0																39.5	61.1	8 500*	
37.0																34.8	59.7	7 700*	
38.0																29.5	57.9	7 000*	
39.0																22.9	55.7	6 400*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

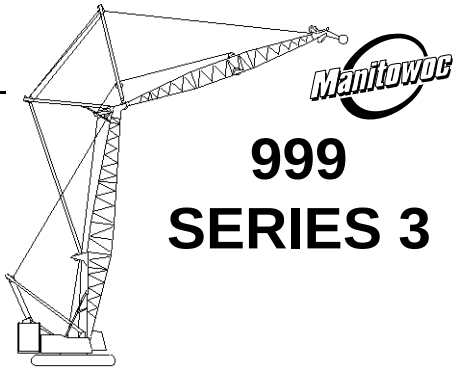
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.5	74.1	26 200*																12.2
13.0	70.4	73.8	24 400*																13.0
14.0	67.9	73.4	22 100*	72.2	74.0	25 700*													14.0
15.0	65.3	73.0	19 300*	69.7	73.6	24 000*													15.0
16.0	62.6	72.5	17 000*	67.1	73.2	21 600*													16.0
17.0	59.9	71.9	15 100*	64.5	72.7	18 600*													17.0
18.0	57.1	71.2	13 600*	61.8	72.2	16 500*													18.0
19.0	54.2	70.5	12 300*	59.1	71.6	14 800*	65.9	72.7	20 300*										19.0
20.0	51.1	69.7	11 100*	56.2	70.9	13 300*	63.3	72.2	17 800*										20.0
21.0	48.0	68.8	10 100*	53.3	70.1	12 000*	60.6	71.6	15 800*										21.0
22.0	44.6	67.8	9 300*	50.2	69.3	10 900*	57.8	71.0	14 200*	64.7	72.0	19 200*							22.0
23.0	41.0	66.6	8 500*	47.0	68.4	9 900*	54.9	70.3	12 800*	62.0	71.5	17 000*							23.0
24.0	37.2	65.3	7 800*	43.6	67.3	9 100*	51.9	69.5	11 600*	59.2	70.9	15 200*							24.0
25.0	32.9	63.8	7 200*	39.9	66.2	8 300*	48.7	68.6	10 600*	56.4	70.2	13 600*							25.0
26.0	28.0	62.0	6 600*	35.9	64.8	7 600*	45.4	67.6	9 600*	53.4	69.5	12 300*							26.0
27.0	22.1	59.7	6 100*	31.5	63.2	7 000*	41.9	66.5	8 800*	50.4	68.7	11 200*							27.0
28.0				26.3	61.3	6 500*	38.1	65.3	8 100*	47.2	67.7	10 200*	59.6	70.0	15 600*				28.0
29.0							33.9	63.8	7 500*	43.8	66.7	9 300*	56.8	69.4	14 000*				29.0
30.0							29.2	62.1	6 900*	40.1	65.5	8 600*	53.9	68.6	12 600*				30.0
31.0							23.6	59.9	6 300*	36.2	64.2	7 900*	50.8	67.8	11 500*				31.0
32.0							16.1	56.9	5 800*	31.8	62.6	7 300*	47.6	66.9	10 500*				32.0
33.0										26.7	60.7	6 700*	44.2	65.9	9 600*				33.0
34.0													40.6	64.7	8 800*	54.0	67.3	10 300	34.0
35.0													36.7	63.4	8 100*	50.9	66.5	9 600	35.0
36.0													32.4	61.9	7 400*	47.8	65.6	8 900	36.0
37.0													27.4	60.0	6 900*	44.4	64.6	8 300	37.0
38.0													21.4	57.6	6 400*	40.8	63.4	7 800	38.0
39.0																36.9	62.1	7 200	39.0
40.0																32.6	60.6	6 600	40.0
42.0																21.6	56.4	5 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

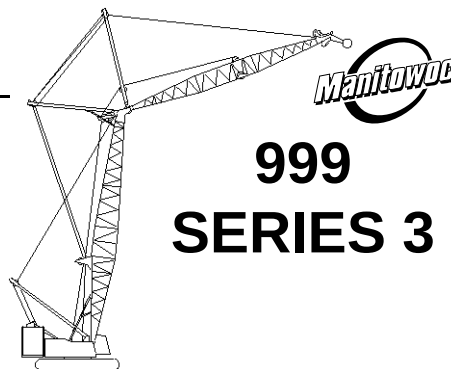
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	25 600*															14.0	
15.0	68.2	76.3	23 800*															15.0	
16.0	65.9	75.9	21 700*	69.8	76.5	25 100*												16.0	
17.0	63.6	75.4	19 400*	67.5	76.1	23 700*												17.0	
18.0	61.2	74.8	17 600*	65.2	75.6	21 300*												18.0	
19.0	58.7	74.2	15 900*	62.9	75.1	19 000*	68.8	76.0	24 700*									19.0	
20.0	56.2	73.5	14 500*	60.5	74.5	17 200*	66.5	75.6	22 700*									20.0	
21.0	53.6	72.8	13 200*	58.0	73.9	15 600*	64.1	75.1	20 500*									21.0	
22.0	50.9	72.0	12 100*	55.4	73.2	14 200*	61.8	74.6	18 400*									22.0	
23.0	48.1	71.1	11 100*	52.8	72.4	13 000*	59.3	74.0	16 600*	65.4	75.0	21 800*						23.0	
24.0	45.1	70.1	10 200*	50.1	71.6	11 900*	56.8	73.3	15 100*	63.0	74.4	19 600*						24.0	
25.0	42.0	69.0	9 400*	47.2	70.7	10 900*	54.2	72.6	13 800*	60.6	73.9	17 600*						25.0	
26.0	38.7	67.8	8 700*	44.2	69.7	10 100*	51.5	71.8	12 600*	58.1	73.2	16 000*						26.0	
27.0	35.1	66.4	8 100*	41.0	68.5	9 300*	48.8	70.9	11 600*	55.6	72.6	14 600*						27.0	
28.0	31.1	64.7	7 500*	37.6	67.2	8 600*	45.8	69.9	10 700*	52.9	71.8	13 400*						28.0	
29.0	26.5	62.8	7 000*	33.9	65.8	8 000*	42.8	68.9	9 800*	50.2	71.0	12 200*	60.9	73.0	15 600			29.0	
30.0	21.0	60.4	6 500*	29.8	64.1	7 400*	39.5	67.7	9 100*	47.4	70.1	11 300*	58.5	72.4	14 700			30.0	
31.0				25.0	62.0	6 900*	35.9	66.3	8 500*	44.4	69.0	10 400*	55.9	71.7	13 800			31.0	
32.0				19.0	59.4	6 400*	32.0	64.8	7 800*	41.2	67.9	9 600*	53.3	70.9	13 000			32.0	
33.0							27.7	62.9	7 300*	37.8	66.6	8 900*	50.6	70.1	12 200			33.0	
34.0							22.4	60.6	6 700*	34.1	65.2	8 200*	47.8	69.2	11 400			34.0	
35.0							15.5	57.5	6 300*	30.0	63.5	7 600*	44.8	68.2	10 600			35.0	
36.0										25.3	61.5	7 100*	41.7	67.1	9 900*	53.4	69.6	8 600	36.0
37.0													38.3	65.8	9 100*	50.7	68.8	8 000	37.0
38.0													34.7	64.4	8 500*	47.9	67.9	7 400	38.0
39.0													30.6	62.8	7 900*	44.9	66.9	6 900	39.0
40.0													26.0	60.8	7 300*	41.8	65.8	6 400	40.0
42.0																34.8	63.1	5 400	42.0
44.0																26.2	59.6	4 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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*	59.6	70.0	14 400*			28.0	
29.0							33.9	63.8	6 900*	43.8	66.7	8 600*	56.8	69.4	12 900*			29.0	
30.0							29.2	62.1	6 300*	40.1	65.5	7 900*	53.9	68.6	11 700*			30.0	
31.0							23.6	59.9	5 800*	36.2	64.2	7 200*	50.8	67.8	10 600*			31.0	
32.0							16.1	56.9	5 400*	31.8	62.6	6 700*	47.6	66.9	9 700*			32.0	
33.0										26.7	60.7	6 100*	44.2	65.9	8 800*			33.0	
34.0													40.6	64.7	8 100*	54.0	67.3	8 400	
35.0													36.7	63.4	7 500*	50.9	66.5	7 700	
36.0													32.4	61.9	6 900*	47.8	65.6	7 000	
37.0													27.4	60.0	6 300*	44.4	64.6	6 400	
38.0													21.4	57.6	5 800*	40.8	63.4	5 800	
39.0																36.9	62.1	5 200	
40.0																32.6	60.6	4 600	
42.0																21.6	56.4	3 600	



Liftcrane Luffing Jib Intermediate Fall Capacities

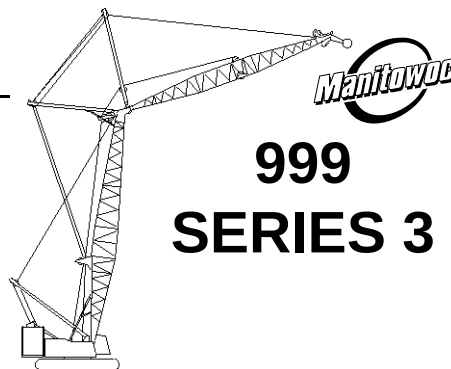
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	19 900*						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	18 000*						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	16 100*						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	14 700*						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	6 800*	37.6	67.2	7 800*	45.8	69.9	9 700*	52.9	71.8	12 200*						28.0	
29.0	26.5	62.8	6 300*	33.9	65.8	7 200*	42.8	68.9	9 000*	50.2	71.0	11 200*	60.9	73.0	13 800			29.0	
30.0	21.0	60.4	5 900*	29.8	64.1	6 700*	39.5	67.7	8 300*	47.4	70.1	10 300*	58.5	72.4	12 800			30.0	
31.0				25.0	62.0	6 200*	35.9	66.3	7 700*	44.4	69.0	9 500*	55.9	71.7	11 900			31.0	
32.0				19.0	59.4	5 800*	32.0	64.8	7 100*	41.2	67.9	8 800*	53.3	70.9	11 100			32.0	
33.0							27.7	62.9	6 600*	37.8	66.6	8 100*	50.6	70.1	10 300			33.0	
34.0							22.4	60.6	6 100*	34.1	65.2	7 500*	47.8	69.2	9 500			34.0	
35.0							15.5	57.5	5 700*	30.0	63.5	7 000*	44.8	68.2	8 800			35.0	
36.0										25.3	61.5	6 500*	41.7	67.1	8 100	53.4	69.6	6 800	36.0
37.0													38.3	65.8	7 400	50.7	68.8	6 200	37.0
38.0													34.7	64.4	6 800	47.9	67.9	5 600	38.0
39.0													30.6	62.8	6 200	44.9	66.9	5 000	39.0
40.0													26.0	60.8	5 700	41.8	65.8	4 500	40.0
42.0																34.8	63.1	3 500	42.0
44.0																26.2	59.6	2 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	5 100*	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*	59.6	70.0	13 300			28.0	
29.0							33.9	63.8	6 300*	43.8	66.7	7 900*	56.8	69.4	12 000*			29.0	
30.0							29.2	62.1	5 800*	40.1	65.5	7 300*	53.9	68.6	10 800*			30.0	
31.0							23.6	59.9	5 300*	36.2	64.2	6 700*	50.8	67.8	9 800*			31.0	
32.0							16.1	56.9	4 900*	31.8	62.6	6 100*	47.6	66.9	8 900*			32.0	
33.0										26.7	60.7	5 600*	44.2	65.9	8 200*			33.0	
34.0													40.6	64.7	7 500*	54.0	67.3	34.0	
35.0													36.7	63.4	6 900*	50.9	66.5	35.0	
36.0													32.4	61.9	6 200	47.8	65.6	36.0	
37.0													27.4	60.0	5 500	44.4	64.6	37.0	
38.0													21.4	57.6	4 900	40.8	63.4	38.0	
39.0																36.9	62.1	39.0	
40.0																32.6	60.6	40.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	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	18 400*						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	16 500*						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	14 900*						25.0	
26.0	38.7	67.8	7 200*	44.2	69.7	8 400*	51.5	71.8	10 600*	58.1	73.2	13 500*						26.0	
27.0	35.1	66.4	6 700*	41.0	68.5	7 700*	48.8	70.9	9 700*	55.6	72.6	12 300*						27.0	
28.0	31.1	64.7	6 200*	37.6	67.2	7 100*	45.8	69.9	8 900*	52.9	71.8	11 200*						28.0	
29.0	26.5	62.8	5 700*	33.9	65.8	6 600*	42.8	68.9	8 200*	50.2	71.0	10 300*	60.9	73.0	12 100			29.0	
30.0	21.0	60.4	5 300*	29.8	64.1	6 100*	39.5	67.7	7 600*	47.4	70.1	9 400*	58.5	72.4	11 100			30.0	
31.0				25.0	62.0	5 700*	35.9	66.3	7 000*	44.4	69.0	8 700*	55.9	71.7	10 200			31.0	
32.0				19.0	59.4	5 300*	32.0	64.8	6 500*	41.2	67.9	8 000*	53.3	70.9	9 300			32.0	
33.0							27.7	62.9	6 000*	37.8	66.6	7 400*	50.6	70.1	8 500			33.0	
34.0							22.4	60.6	5 600*	34.1	65.2	6 900*	47.8	69.2	7 700			34.0	
35.0							15.5	57.5	5 200*	30.0	63.5	6 400*	44.8	68.2	6 900			35.0	
36.0										25.3	61.5	5 900*	41.7	67.1	6 200	53.4	69.6	5 200	36.0
37.0													38.3	65.8	5 600	50.7	68.8	4 500	37.0
38.0													34.7	64.4	4 900	47.9	67.9	3 900	38.0
39.0													30.6	62.8	4 300	44.9	66.9	3 300	39.0
40.0													26.0	60.8	3 700	41.8	65.8	2 700	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

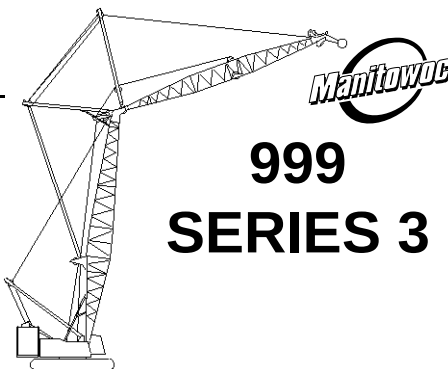
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	10 100*	54.8	75.5	11 800*	60.5	76.9	15 000*							24.0
25.0	48.2	73.4	9 400*	52.4	74.8	10 900*	58.3	76.3	13 700*	63.8	77.4	17 400*				25.0
26.0	45.5	72.4	8 600*	49.9	73.9	10 000*	56.0	75.6	12 600*	61.7	76.8	15 800*				26.0
27.0	42.8	71.3	8 000*	47.4	73.0	9 300*	53.7	74.9	11 500*	59.5	76.2	14 500*				27.0
28.0	39.8	70.1	7 400*	44.7	72.0	8 500*	51.3	74.1	10 600*	57.2	75.6	13 300*				28.0
29.0	36.7	68.8	6 900*	41.9	70.9	8 000*	48.8	73.2	9 800*	54.9	74.9	12 200*				29.0
30.0	33.3	67.3	6 400*	38.9	69.7	7 400*	46.2	72.3	9 100*	52.6	74.1	11 200*				30.0
31.0	29.6	65.6	6 000*	35.7	68.3	6 900*	43.4	71.2	8 400*	50.1	73.3	10 400*	59.8	75.3	10 100	31.0
32.0	25.3	63.6	5 600*	32.2	66.7	6 400*	40.5	70.0	7 800*	47.5	72.4	9 600*	57.6	74.7	9 300	32.0
33.0	20.1	61.0	5 200*	28.3	64.9	5 900*	37.5	68.8	7 300*	44.9	71.4	8 900*	55.3	74.0	8 400	33.0
34.0				23.8	62.8	5 500*	34.1	67.3	6 800*	42.1	70.3	8 300*	52.9	73.2	7 700	34.0
35.0				18.3	60.0	5 200*	30.5	65.6	6 300*	39.1	69.0	7 700*	50.4	72.4	6 900	35.0
36.0							26.4	63.7	5 900*	35.9	67.7	7 100*	47.9	71.5	6 200	36.0
37.0							21.5	61.3	5 500*	32.4	66.1	6 600*	45.3	70.5	5 600	37.0
38.0							15.0	58.0	5 200*	28.6	64.3	6 200*	42.5	69.4	5 000	38.0
39.0										24.1	62.2	5 700	39.5	68.2	4 400	39.0
40.0													36.4	66.9	3 800	40.0
42.0													29.1	63.6	2 800	42.0
44.0													19.5	58.9	1 800	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

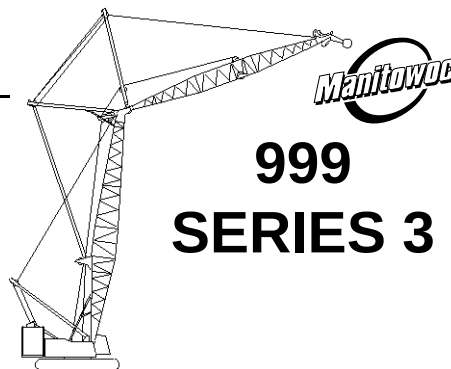
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib



**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.7	83.3	26 100*													13.7
14.0	74.2	83.2	25 400*													14.0
15.0	72.4	82.8	22 900*													15.0
16.0	70.6	82.5	20 800*													16.0
17.0	68.7	82.1	18 900*	71.8	82.6	22 300*										17.0
18.0	66.8	81.7	17 300*	70.0	82.3	20 300*										18.0
19.0	65.0	81.2	15 900*	68.2	81.9	18 400*										19.0
20.0	63.0	80.7	14 600*	66.3	81.4	16 900*										20.0
21.0	61.1	80.1	13 500*	64.4	80.9	15 500*										21.0
22.0	59.1	79.5	12 400*	62.4	80.4	14 300*	67.3	81.4	17 800*							22.0
23.0	57.0	78.9	11 400*	60.5	79.8	13 200*	65.4	80.9	16 300*							23.0
24.0	54.9	78.2	10 400*	58.5	79.2	12 200*	63.5	80.4	15 000*							24.0
25.0	52.8	77.4	9 500*	56.4	78.6	11 200*	61.5	79.9	13 800*	66.4	80.7	17 100*				25.0
26.0	50.5	76.6	8 800*	54.3	77.8	10 300*	59.5	79.3	12 800*	64.5	80.3	15 700*				26.0
27.0	48.2	75.7	8 100*	52.1	77.1	9 500*	57.5	78.6	11 800*	62.6	79.7	14 400*				27.0
28.0	45.9	74.7	7 400*	49.9	76.2	8 700*	55.4	77.9	11 000*	60.6	79.2	13 400*				28.0
29.0	43.4	73.7	6 900*	47.5	75.3	8 000*	53.3	77.2	10 100*	58.6	78.6	12 400*				29.0
30.0	40.8	72.5	6 300*	45.1	74.3	7 400*	51.1	76.4	9 300*	56.5	77.9	11 500*				30.0
31.0	38.0	71.3	5 800*	42.6	73.2	6 800*	48.8	75.5	8 500*	54.4	77.2	10 600*				31.0
32.0	35.0	69.8	5 400*	39.9	72.0	6 300*	46.4	74.6	7 900*	52.2	76.4	9 800*	60.9	78.3	9 000	32.0
33.0	31.8	68.3	5 000*	37.1	70.7	5 800*	44.0	73.5	7 300*	50.0	75.6	9 000*	58.9	77.7	8 200	33.0
34.0	28.3	66.5	4 600*	34.1	69.3	5 400*	41.4	72.4	6 700*	47.7	74.7	8 300*	56.8	77.0	7 500	34.0
35.0	24.2	64.3	4 200*	30.8	67.6	4 900*	38.7	71.2	6 200*	45.3	73.7	7 700*	54.7	76.3	6 700	35.0
36.0	19.4	61.7	3 900*	27.1	65.7	4 500*	35.7	69.8	5 700*	42.7	72.6	7 100*	52.5	75.5	6 100	36.0
37.0				22.9	63.5	4 200*	32.6	68.3	5 300*	40.1	71.4	6 600*	50.3	74.7	5 400	37.0
38.0				17.7	60.6	3 900*	29.1	66.5	4 900*	37.3	70.1	6 100*	48.0	73.8	4 800	38.0
39.0							25.2	64.5	4 500*	34.3	68.7	5 500	45.6	72.8	4 200	39.0
40.0							20.6	62.0	4 200*	31.0	67.0	5 000	43.1	71.8	3 700	40.0
42.0										23.1	62.9	3 900	37.7	69.3	2 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
13.7	76.0	86.4	26 000*													13.7
14.0	75.5	86.3	25 700*													14.0
15.0	73.9	86.0	24 400*													15.0
16.0	72.3	85.7	22 700*													16.0
17.0	70.6	85.4	20 600*	73.4	85.8	24 100*										17.0
18.0	68.9	85.0	19 000*	71.8	85.5	22 000*										18.0
19.0	67.2	84.6	17 500*	70.1	85.1	20 200*										19.0
20.0	65.5	84.1	16 200*	68.4	84.7	18 600*										20.0
21.0	63.7	83.6	15 000*	66.7	84.3	17 200*										21.0
22.0	61.9	83.1	14 000*	64.9	83.8	15 900*	69.3	84.7	19 500*							22.0
23.0	60.1	82.5	13 000*	63.2	83.3	14 800*	67.6	84.3	17 900*							23.0
24.0	58.3	81.9	12 100*	61.4	82.8	13 700*	65.9	83.8	16 600*							24.0
25.0	56.4	81.2	11 300*	59.6	82.2	12 800*	64.1	83.3	15 400*							25.0
26.0	54.4	80.5	10 400*	57.7	81.6	11 900*	62.3	82.8	14 300*	66.8	83.6	16 500				26.0
27.0	52.5	79.7	9 700*	55.8	80.9	11 200*	60.5	82.2	13 300*	65.0	83.2	15 400				27.0
28.0	50.4	78.9	8 900*	53.8	80.1	10 400*	58.7	81.6	12 400*	63.3	82.7	14 200				28.0
29.0	48.3	78.0	8 300*	51.8	79.4	9 600*	56.8	81.0	11 700*	61.5	82.1	13 200				29.0
30.0	46.1	77.0	7 700*	49.8	78.5	8 900*	54.9	80.3	10 900*	59.7	81.5	12 200				30.0
31.0	43.9	76.0	7 100*	47.7	77.6	8 200*	52.9	79.5	10 200*	57.8	80.9	11 300				31.0
32.0	41.5	74.9	6 600*	45.5	76.6	7 700*	50.9	78.7	9 500*	55.9	80.2	10 500				32.0
33.0	39.0	73.7	6 200*	43.2	75.6	7 100*	48.8	77.8	8 800*	54.0	79.5	9 700				33.0
34.0	36.4	72.3	5 700*	40.8	74.4	6 600*	46.7	76.9	8 100*	52.0	78.7	8 900	59.9	80.6	7 400	34.0
35.0	33.6	70.8	5 300*	38.2	73.1	6 100*	44.4	75.9	7 600*	49.9	77.9	8 200	58.1	80.0	6 700	35.0
36.0	30.5	69.2	5 000*	35.6	71.8	5 700*	42.1	74.8	7 100*	47.8	77.0	7 500	56.2	79.3	6 100	36.0
37.0	27.2	67.3	4 600*	32.7	70.2	5 300*	39.6	73.6	6 600*	45.6	76.0	6 800	54.2	78.6	5 400	37.0
38.0	23.3	65.0	4 200*	29.6	68.5	4 900*	37.0	72.2	6 100*	43.3	74.9	6 200	52.2	77.8	4 900	38.0
39.0	18.7	62.3	3 400*	26.1	66.5	4 600*	34.3	70.8	5 700*	40.9	73.8	5 600	50.2	77.0	4 300	39.0
40.0				22.1	64.2	4 200*	31.3	69.2	5 300*	38.4	72.5	5 000	48.1	76.1	3 700	40.0
42.0							24.3	65.2	4 600*	32.9	69.6	4 000	43.6	74.1	2 800	42.0
44.0							14.3	59.2	2 900*	26.3	66.0	3 100	38.8	71.7	1 800	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

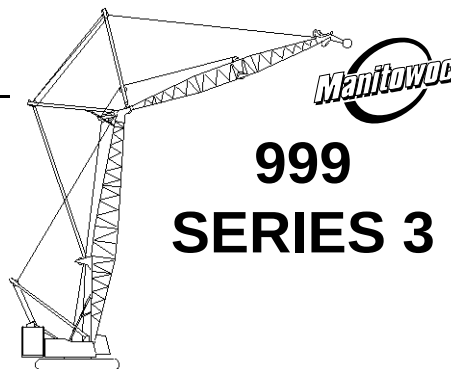
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	74.8	89.2	22 900*													15.2
16.0	73.7	88.9	21 500*													16.0
17.0	72.1	88.6	19 700*													17.0
18.0	70.6	88.2	18 200*													18.0
19.0	69.0	87.9	16 700*	71.7	88.4	19 300*										19.0
20.0	67.5	87.4	15 400*	70.1	88.0	17 700*										20.0
21.0	65.9	87.0	14 300*	68.6	87.6	16 300*										21.0
22.0	64.3	86.5	13 200*	67.0	87.2	15 100*										22.0
23.0	62.6	86.0	12 300*	65.4	86.7	14 000*	69.4	87.6	17 100*							23.0
24.0	61.0	85.4	11 400*	63.8	86.2	13 000*	67.9	87.2	15 800*							24.0
25.0	59.3	84.8	10 600*	62.1	85.7	12 000*	66.3	86.7	14 600*							25.0
26.0	57.6	84.2	9 900*	60.5	85.1	11 200*	64.7	86.2	13 600*							26.0
27.0	55.8	83.5	9 200*	58.8	84.5	10 500*	63.0	85.7	12 600*							27.0
28.0	54.0	82.8	8 600*	57.0	83.9	9 800*	61.4	85.2	11 700*	65.5	86.1	13 900				28.0
29.0	52.2	82.0	8 100*	55.3	83.2	9 100*	59.7	84.6	10 900*	63.9	85.6	12 900				29.0
30.0	50.3	81.2	7 600*	53.5	82.4	8 500*	58.0	84.0	10 200*	62.2	85.0	11 900				30.0
31.0	48.4	80.3	7 000*	51.6	81.7	7 900*	56.2	83.3	9 500*	60.6	84.5	11 100				31.0
32.0	46.4	79.3	6 600*	49.7	80.8	7 400*	54.5	82.6	8 800*	58.9	83.9	10 200				32.0
33.0	44.3	78.3	6 100*	47.8	79.9	7 000*	52.6	81.8	8 300*	57.1	83.2	9 400				33.0
34.0	42.1	77.2	5 700*	45.7	78.9	6 500*	50.8	81.0	7 700*	55.4	82.5	8 700				34.0
35.0	39.9	76.0	5 200*	43.6	77.9	6 100*	48.8	80.1	7 200*	53.6	81.8	8 000				35.0
36.0	37.5	74.7	4 800*	41.5	76.8	5 600*	46.8	79.2	6 800*	51.7	81.0	7 300	59.1	83.0	5 800	36.0
37.0	35.0	73.3	4 400*	39.2	75.5	5 200*	44.8	78.2	6 300*	49.8	80.2	6 600	57.4	82.3	5 200	37.0
38.0	32.3	71.8	4 100*	36.8	74.2	4 800*	42.7	77.1	5 900*	47.9	79.3	6 000	55.6	81.7	4 600	38.0
39.0	29.4	70.0	3 700*	34.2	72.8	4 400*	40.4	75.9	5 500*	45.9	78.3	5 500	53.8	80.9	4 100	39.0
40.0	26.2	68.1	3 200*	31.5	71.2	4 100*	38.1	74.7	5 200*	43.8	77.3	4 900	52.0	80.1	3 500	40.0
42.0				25.2	67.3	3 500*	33.0	71.8	4 400*	39.3	74.9	3 900	48.2	78.4	2 600	42.0
44.0							27.0	68.2	3 700*	34.4	72.2	2 900				44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	52.8	63.5	15 500*															12.2	
13.0	47.6	62.7	13 800*															13.0	
14.0	40.3	61.6	11 700*	52.8	63.3	15 800*b												14.0	
15.0	31.6	60.0	10 300*	46.2	62.4	13 400*												15.0	
16.0				38.8	61.2	11 500*												16.0	
17.0							50.9	62.8	15 200*									17.0	
18.0							44.1	61.8	13 000*									18.0	
19.0							36.2	60.4	11 200*									19.0	
20.0										48.8	62.0	14 600*						20.0	
21.0										41.7	60.9	12 600*						21.0	
22.0										33.3	59.5	10 900*						22.0	
23.0													57.4	62.2	19 400*b			23.0	
24.0													51.4	61.4	16 200*			24.0	
25.0													44.6	60.4	13 500*			25.0	
26.0													36.9	59.1	11 700*			26.0	
27.0													27.1	57.3	10 200*			27.0	
28.0																53.2	60.2	17 500*b	
29.0																46.7	59.3	14 400*	
30.0																39.3	58.1	12 300*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

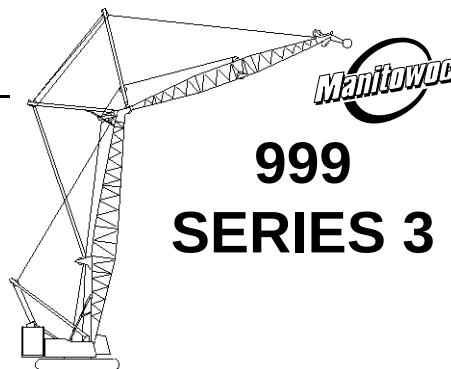
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m			
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall				
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m			Ang. Deg.	Elev. m	
10.7	61.7	64.6	17 200*b																			
11.0	59.8	64.4	16 300*b																10.7			
12.0	54.0	63.6	13 400*																11.0			
13.0	47.6	62.7	11 200*																12.0			
14.0	40.3	61.6	9 700*																13.0			
15.0	31.6	60.0	8 400*	58.7	64.1	16 000*																
16.0				52.8	63.3	13 000*													14.0			
17.0																			15.0			
18.0																			16.0			
19.0																			17.0			
20.0				46.2	62.4	11 000*	57.0	63.6	15 400*b													
21.0				38.8	61.2	9 500*	50.9	62.8	12 600*										18.0			
22.0							44.1	61.8	10 700*										19.0			
23.0							36.2	60.4	9 200*										20.0			
24.0																			21.0			
25.0										48.8	62.0	12 100*										
26.0										41.7	60.9	10 300*							22.0			
27.0										33.3	59.5	8 900*							23.0			
28.0																			57.4	62.2	16 100*	24.0
29.0																			51.4	61.4	13 400*	25.0
30.0													44.6	60.4	11 100*							
													36.9	59.1	9 600*				26.0			
													27.1	57.3	8 300*				27.0			
																			53.2	60.2	14 500*	
																			46.7	59.3	12 000*	
																39.3	58.1	10 200*				



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m								
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall										
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms									
10.7	61.7	64.6	15 200*b															10.7									
11.0	59.8	64.4	14 400*b															11.0									
12.0	54.0	63.6	11 800*															12.0									
13.0	47.6	62.7	9 800*															58.7	64.1	14 100*	13.0						
14.0	40.3	61.6	8 500*															52.8	63.3	11 400*	14.0						
15.0	31.6	60.0	7 300*	46.2	62.4	9 700*	57.0	63.6	13 500*									15.0									
16.0																		38.8	61.2	8 300*	50.9	62.8	11 000*	66.3	64.2	20 100*b	16.0
17.0																					44.1	61.8	9 300*	60.9	63.6	15 800*	17.0
18.0																					36.2	60.4	8 000*	55.1	62.9	12 500*	18.0
19.0																											
20.0										48.8	62.0	10 600*						20.0									
21.0										41.7	60.9	9 000*						21.0									
22.0										33.3	59.5	7 800*						22.0									
23.0													57.4	62.2	14 100*			23.0									
24.0													51.4	61.4	11 800*			24.0									
25.0													44.6	60.4	9 700*			25.0									
26.0													36.9	59.1	8 400*			26.0									
27.0													27.1	57.3	7 200*			27.0									
28.0																53.2	60.2	12 700*	28.0								
29.0																46.7	59.3	10 400*	29.0								
30.0																39.3	58.1	8 800*	30.0								



Liftcrane Luffing Jib Intermediate Fall Capacities

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

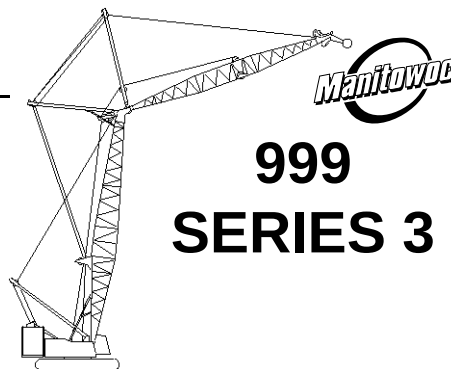
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m									
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall											
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms										
10.7	67.9	68.0	22 300*	65.7	67.6	20 700*													10.7									
11.0	66.5	67.9	21 000*																									
12.0	62.2	67.3	17 300*																									
13.0	57.7	66.7	14 400*																									
14.0	53.0	65.9	12 400*																									
15.0	47.9	65.0	10 700*	56.8	66.4	14 100*	64.4	67.2	19 800*										15.0									
16.0	42.3	63.9	9 400*	52.0	65.6	12 100*																						
17.0	35.9	62.6	8 400*	46.8	64.7	10 600*																						
18.0	28.3	60.8	7 400*	41.1	63.6	9 300*																						
19.0				34.6	62.2	8 200*																						
20.0							45.2	64.1	10 300*	58.5	66.0	15 500*							20.0									
21.0							39.2	62.9	9 100*	53.8	65.2	13 100*																
22.0							32.3	61.4	8 000*	48.8	64.3	11 400*																
23.0										43.3	63.3	10 000*																
24.0										37.1	62.0	8 800*																
25.0													55.8	64.5	14 500*				25.0									
26.0																				50.9	63.7	12 300*						
27.0																				45.6	62.7	10 700*						
28.0																				39.7	61.5	9 400*						
29.0																				32.9	60.0	8 300*						
30.0													24.3	58.0	7 400*	52.3	62.5	13 300*	30.0									
31.0																									47.2	61.6	11 300*	31.0
32.0																									41.5	60.5	9 900*	32.0
33.0																									35.0	59.1	8 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms
10.7	61.7	64.6	14 100*	58.7	64.1	13 100*	68.0	64.8	19 500*												
11.0	59.8	64.4	13 300*																		
12.0	54.0	63.6	11 000*																		
13.0	47.6	62.7	9 200*																		
14.0	40.3	61.6	7 900*																		
15.0	31.6	60.0	6 900*	46.2	62.4	10 600*	62.6	64.3	15 300*												
16.0																			52.8	63.3	10 600*
17.0																			50.9	62.8	10 200*
18.0																			44.1	61.8	8 700*
19.0																			36.2	60.4	7 500*
20.0																					
21.0																			48.8	62.0	9 800*
22.0																			41.7	60.9	8 400*
23.0																			33.3	59.5	7 200*
24.0																			57.4	62.2	12 800*
25.0																					
26.0																			51.4	61.4	10 800*
27.0																			44.6	60.4	9 000*
28.0																			36.9	59.1	7 800*
29.0																			27.1	57.3	6 800*
30.0																					



Liftcrane Luffing Jib Intermediate Fall Capacities

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

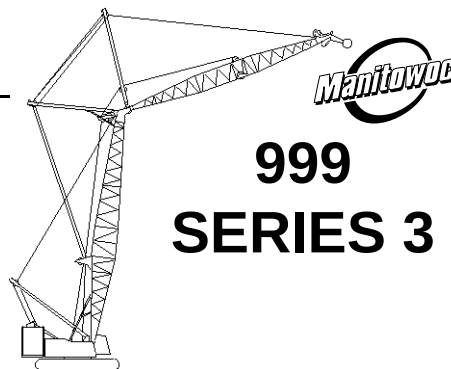
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.9	68.0	19 700*																10.7
11.0	66.5	67.9	18 600*																11.0
12.0	62.2	67.3	15 300*																12.0
13.0	57.7	66.7	12 800*	65.7	67.6	18 200*													13.0
14.0	53.0	65.9	11 000*	61.3	67.1	14 800*													14.0
15.0	47.9	65.0	9 600*	56.8	66.4	12 500*													15.0
16.0	42.3	63.9	8 400*	52.0	65.6	10 800*	64.4	67.2	17 400*										16.0
17.0	35.9	62.6	7 400*	46.8	64.7	9 400*	60.0	66.6	14 200*										17.0
18.0	28.3	60.8	6 600*	41.1	63.6	8 300*	55.4	65.9	12 100*										18.0
19.0				34.6	62.2	7 300*	50.5	65.1	10 400*	63.0	66.6	16 500*							19.0
20.0							45.2	64.1	9 100*	58.5	66.0	13 600*							20.0
21.0							39.2	62.9	8 000*	53.8	65.2	11 600*							21.0
22.0							32.3	61.4	7 100*	48.8	64.3	10 000*							22.0
23.0										43.3	63.3	8 800*							23.0
24.0										37.1	62.0	7 800*							24.0
25.0										29.8	60.3	6 900*	55.8	64.5	12 700*				25.0
26.0													50.9	63.7	10 800*				26.0
27.0													45.6	62.7	9 400*				27.0
28.0													39.7	61.5	8 300*				28.0
29.0													32.9	60.0	7 300*	57.1	63.3	13 400*	29.0
30.0													24.3	58.0	6 500*	52.3	62.5	11 500*	30.0
31.0																47.2	61.6	9 900*	31.0
32.0																41.5	60.5	8 700*	32.0
33.0																35.0	59.1	7 700*	33.0



999 SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	71.8	71.3	25 100*															10.7	
11.0	70.7	71.2	23 700*															11.0	
12.0	67.2	70.8	19 500*															12.0	
13.0	63.7	70.3	16 300*	70.0	71.0	22 800*												13.0	
14.0	60.1	69.7	14 000*	66.6	70.5	18 900*												14.0	
15.0	56.3	69.0	12 200*	63.0	70.0	16 000*												15.0	
16.0	52.3	68.2	10 700*	59.4	69.4	13 700*												16.0	
17.0	48.1	67.3	9 500*	55.5	68.7	12 000*	65.5	70.1	18 200*									17.0	
18.0	43.5	66.3	8 500*	51.5	67.9	10 500*	61.9	69.6	15 600*									18.0	
19.0	38.5	65.0	7 600*	47.2	67.0	9 400*	58.2	68.9	13 300*									19.0	
20.0	32.8	63.5	6 800*	42.6	65.9	8 300*	54.3	68.2	11 700*	64.4	69.5	17 400*						20.0	
21.0	25.9	61.6	6 200*	37.4	64.7	7 500*	50.2	67.4	10 300*	60.7	68.9	15 000*						21.0	
22.0				31.6	63.1	6 800*	45.8	66.4	9 100*	57.0	68.3	12 900*						22.0	
23.0							41.1	65.3	8 200*	53.0	67.5	11 300*						23.0	
24.0							35.8	63.9	7 300*	48.8	66.6	10 000*						24.0	
25.0							29.6	62.2	6 600*	44.4	65.6	8 900*						25.0	
26.0										39.4	64.4	7 900*	58.5	67.5	13 900*			26.0	
27.0										33.9	63.0	7 100*	54.6	66.8	12 200*			27.0	
28.0										27.3	61.1	6 500*	50.6	66.0	10 600*			28.0	
29.0													46.2	65.0	9 400*			29.0	
30.0													41.5	63.9	8 400*			30.0	
31.0													36.2	62.6	7 600*	55.8	65.6	12 100	
32.0													30.1	60.9	6 800*	51.8	64.8	11 200	
33.0													22.4	58.7	6 100*	47.5	63.9	10 000*	
34.0																42.9	62.8	8 800*	
35.0																37.8	61.6	7 900*	
36.0																32.0	60.0	7 100*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

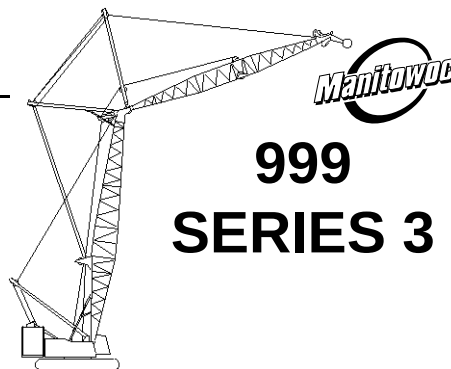
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	74.5	74.5	26 200*															10.7	
11.0	73.6	74.4	25 800*															11.0	
12.0	70.7	74.1	24 700*															12.0	
13.0	67.8	73.6	22 200*															13.0	
14.0	64.8	73.2	18 400*	70.1	73.9	24 900*												14.0	
15.0	61.7	72.6	16 000*	67.2	73.4	21 100*												15.0	
16.0	58.5	72.0	14 100*	64.2	72.9	18 000*												16.0	
17.0	55.3	71.3	12 500*	61.1	72.4	15 800*	69.3	73.4	23 900*									17.0	
18.0	51.8	70.5	11 200*	57.9	71.8	13 900*	66.3	73.0	20 400*									18.0	
19.0	48.2	69.6	10 100*	54.6	71.0	12 400*	63.3	72.5	17 500*									19.0	
20.0	44.4	68.6	9 100*	51.1	70.2	11 100*	60.1	71.9	15 400*									20.0	
21.0	40.2	67.4	8 200*	47.5	69.3	9 900*	56.9	71.3	13 600*									21.0	
22.0	35.6	66.1	7 500*	43.6	68.3	9 000*	53.6	70.5	12 100*	62.3	71.9	17 100*						22.0	
23.0	30.4	64.4	6 800*	39.3	67.1	8 100*	50.0	69.7	10 800*	59.1	71.3	14 900*						23.0	
24.0	24.2	62.3	6 200*	34.7	65.7	7 400*	46.3	68.7	9 700*	55.9	70.6	13 200*						24.0	
25.0				29.3	63.9	6 700*	42.3	67.6	8 800*	52.4	69.8	11 700*						25.0	
26.0							38.0	66.4	8 000*	48.9	68.9	10 600*						26.0	
27.0							33.1	64.9	7 300*	45.1	68.0	9 500*						27.0	
28.0							27.5	63.0	6 600*	41.0	66.8	8 600*	57.2	69.8	14 100*			28.0	
29.0										36.5	65.5	7 800*	53.8	69.1	12 500*			29.0	
30.0										31.4	63.9	7 100*	50.3	68.3	11 200*			30.0	
31.0										25.4	61.9	6 500*	46.6	67.3	10 100*			31.0	
32.0										17.3	59.1	5 900*	42.6	66.3	9 100*			32.0	
33.0													38.3	65.0	8 300*			33.0	
34.0													33.5	63.5	7 500*	51.4	67.1	9 500	34.0
35.0													28.0	61.7	6 800*	47.7	66.2	8 800	35.0
36.0													21.0	59.3	6 200*	43.8	65.2	8 200	36.0
37.0																39.6	64.0	7 600	37.0
38.0																35.0	62.6	7 000	38.0
39.0																29.7	60.9	6 400	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.7	77.2	26 100*																12.2
13.0	70.7	76.9	24 600*																13.0
14.0	68.2	76.5	22 600*	72.7	77.1	25 800*													14.0
15.0	65.6	76.1	19 700*	70.2	76.7	24 700*													15.0
16.0	62.9	75.6	17 200*	67.7	76.3	22 500*													16.0
17.0	60.2	75.0	15 400*	65.1	75.9	19 200*													17.0
18.0	57.4	74.3	13 800*	62.4	75.3	17 000*													18.0
19.0	54.5	73.6	12 400*	59.7	74.7	15 200*	66.9	75.9	21 400*										19.0
20.0	51.5	72.8	11 300*	56.8	74.1	13 600*	64.3	75.4	18 700*										20.0
21.0	48.3	71.9	10 200*	53.9	73.4	12 300*	61.6	74.9	16 600*										21.0
22.0	45.0	70.9	9 300*	50.9	72.5	11 100*	58.8	74.3	14 800*	66.0	75.3	20 700*							22.0
23.0	41.4	69.8	8 600*	47.7	71.6	10 200*	56.0	73.6	13 400*	63.4	74.8	18 100*							23.0
24.0	37.6	68.5	7 800*	44.3	70.6	9 300*	53.0	72.8	12 100*	60.7	74.2	16 100*							24.0
25.0	33.4	67.0	7 200*	40.7	69.5	8 500*	49.9	72.0	11 000*	57.9	73.6	14 500*							25.0
26.0	28.5	65.3	6 700*	36.8	68.1	7 800*	46.7	71.0	10 000*	55.0	72.9	13 100*							26.0
27.0	22.8	63.0	6 100*	32.5	66.6	7 200*	43.2	70.0	9 100*	52.0	72.1	11 800*							27.0
28.0				27.5	64.8	6 600*	39.6	68.8	8 400*	48.9	71.2	10 700*							28.0
29.0							35.5	67.4	7 700*	45.6	70.3	9 800*	59.0	72.8	15 300				29.0
30.0							31.0	65.8	7 100*	42.1	69.2	9 000*	56.2	72.2	13 800				30.0
31.0							25.8	63.8	6 500*	38.3	67.9	8 200*	53.2	71.4	12 500*				31.0
32.0							19.2	61.2	6 000*	34.1	66.5	7 600*	50.2	70.6	11 300*				32.0
33.0										29.5	64.8	7 000*	46.9	69.6	10 300*				33.0
34.0										23.9	62.6	6 500*	43.5	68.6	9 400*				34.0
35.0										16.5	59.7	6 000*	39.8	67.4	8 700*				35.0
36.0													35.9	66.0	8 000*	51.1	69.4	8 200	36.0
37.0													31.4	64.5	7 400*	47.9	68.5	7 600	37.0
38.0													26.3	62.5	6 800*	44.5	67.5	7 100	38.0
39.0													19.8	60.0	6 200*	41.0	66.4	6 500	39.0
40.0																37.1	65.1	6 000	40.0
42.0																27.9	61.7	5 100	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

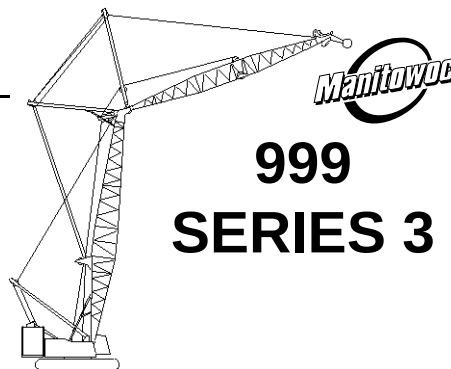
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 100*															12.2	
13.0	73.0	80.2	26 100*															13.0	
14.0	70.7	79.8	25 700*															14.0	
15.0	68.5	79.4	24 100*															15.0	
16.0	66.2	79.0	22 000*	70.3	79.6	25 400*												16.0	
17.0	63.8	78.5	19 600*	68.0	79.2	24 300*												17.0	
18.0	61.4	77.9	17 700*	65.7	78.8	21 800*												18.0	
19.0	59.0	77.3	16 100*	63.4	78.3	19 400*												19.0	
20.0	56.5	76.7	14 700*	61.0	77.7	17 600*	67.3	78.8	23 700*									20.0	
21.0	53.9	75.9	13 300*	58.5	77.1	16 000*	65.0	78.3	21 300*									21.0	
22.0	51.2	75.1	12 200*	56.0	76.4	14 500*	62.7	77.8	19 100*									22.0	
23.0	48.4	74.2	11 200*	53.4	75.7	13 300*	60.2	77.2	17 300*	66.6	78.2	23 200*						23.0	
24.0	45.4	73.3	10 300*	50.6	74.8	12 100*	57.7	76.6	15 700*	64.3	77.7	20 900*						24.0	
25.0	42.3	72.2	9 500*	47.8	73.9	11 100*	55.2	75.9	14 300*	61.9	77.2	18 700*						25.0	
26.0	39.0	70.9	8 800*	44.9	72.9	10 300*	52.5	75.1	13 100*	59.4	76.6	16 900*						26.0	
27.0	35.5	69.6	8 100*	41.7	71.8	9 500*	49.8	74.3	12 000*	56.9	75.9	15 400*						27.0	
28.0	31.5	68.0	7 500*	38.4	70.6	8 800*	46.9	73.3	11 000*	54.4	75.2	14 000*						28.0	
29.0	27.0	66.1	7 000*	34.7	69.1	8 100*	43.9	72.3	10 200*	51.7	74.4	12 900*	62.8	76.4	14 900			29.0	
30.0	21.7	63.7	6 500*	30.7	67.5	7 500*	40.7	71.2	9 400*	48.9	73.5	11 800*	60.4	75.8	14 000			30.0	
31.0				26.1	65.5	7 000*	37.3	69.9	8 700*	46.0	72.6	10 900*	57.9	75.2	13 100			31.0	
32.0				20.4	63.1	6 500*	33.5	68.4	8 000*	42.9	71.5	10 000*	55.4	74.5	12 300			32.0	
33.0							29.4	66.7	7 400*	39.6	70.3	9 300*	52.8	73.7	11 500			33.0	
34.0							24.5	64.6	6 900*	36.1	69.0	8 600*	50.0	72.9	10 800			34.0	
35.0							18.4	61.8	6 500*	32.3	67.4	8 000*	47.2	71.9	10 100			35.0	
36.0										27.9	65.6	7 400*	44.2	70.9	9 500			36.0	
37.0										22.7	63.3	6 900*	41.0	69.8	8 900	53.5	72.5	7 300	37.0
38.0										15.9	60.3	6 400*	37.6	68.5	8 300	50.8	71.7	6 800	38.0
39.0													33.8	67.0	7 700	48.0	70.8	6 200	39.0
40.0													29.7	65.3	7 200	45.1	69.8	5 800	40.0
42.0													18.9	60.6	6 300	38.6	67.5	4 800	42.0
44.0																31.0	64.4	4 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.7	77.2	26 100*															12.2	
13.0	70.7	76.9	23 700*															13.0	
14.0	68.2	76.5	20 700*	72.7	77.1	25 500*												14.0	
15.0	65.6	76.1	18 100*	70.2	76.7	23 100*												15.0	
16.0	62.9	75.6	15 900*	67.7	76.3	20 500*												16.0	
17.0	60.2	75.0	14 200*	65.1	75.9	17 700*												17.0	
18.0	57.4	74.3	12 700*	62.4	75.3	15 700*												18.0	
19.0	54.5	73.6	11 500*	59.7	74.7	14 000*	66.9	75.9	19 800*									19.0	
20.0	51.5	72.8	10 400*	56.8	74.1	12 600*	64.3	75.4	17 300*									20.0	
21.0	48.3	71.9	9 400*	53.9	73.4	11 300*	61.6	74.9	15 300*									21.0	
22.0	45.0	70.9	8 600*	50.9	72.5	10 300*	58.8	74.3	13 700*	66.0	75.3	19 100*						22.0	
23.0	41.4	69.8	7 800*	47.7	71.6	9 400*	56.0	73.6	12 300*	63.4	74.8	16 800*						23.0	
24.0	37.6	68.5	7 200*	44.3	70.6	8 500*	53.0	72.8	11 100*	60.7	74.2	14 900*						24.0	
25.0	33.4	67.0	6 600*	40.7	69.5	7 800*	49.9	72.0	10 100*	57.9	73.6	13 300*						25.0	
26.0	28.5	65.3	6 100*	36.8	68.1	7 200*	46.7	71.0	9 200*	55.0	72.9	12 000*						26.0	
27.0	22.8	63.0	5 600*	32.5	66.6	6 600*	43.2	70.0	8 400*	52.0	72.1	10 900*						27.0	
28.0				27.5	64.8	6 100*	39.6	68.8	7 700*	48.9	71.2	9 900*						28.0	
29.0							35.5	67.4	7 100*	45.6	70.3	9 000*	59.0	72.8	13 400			29.0	
30.0							31.0	65.8	6 500*	42.1	69.2	8 300*	56.2	72.2	12 400			30.0	
31.0							25.8	63.8	6 000*	38.3	67.9	7 600*	53.2	71.4	11 500			31.0	
32.0							19.2	61.2	5 500*	34.1	66.5	7 000*	50.2	70.6	10 500			32.0	
33.0										29.5	64.8	6 400*	46.9	69.6	9 600*			33.0	
34.0										23.9	62.6	5 900*	43.5	68.6	8 700*			34.0	
35.0										16.5	59.7	5 500*	39.8	67.4	8 000*			35.0	
36.0													35.9	66.0	7 300*	51.1	69.4	6 400	36.0
37.0													31.4	64.5	6 700*	47.9	68.5	5 800	37.0
38.0													26.3	62.5	6 200*	44.5	67.5	5 200	38.0
39.0													19.8	60.0	5 700*	41.0	66.4	4 600	39.0
40.0																37.1	65.1	4 100	40.0
42.0																27.9	61.7	3 100	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

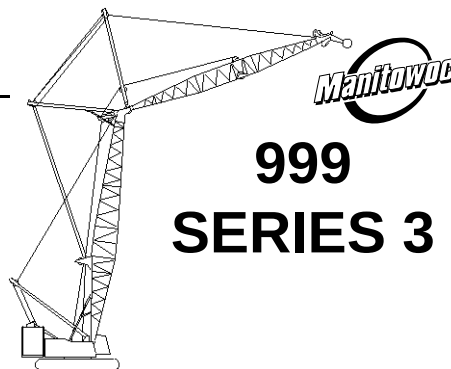
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 100*															12.2	
13.0	73.0	80.2	26 100*															13.0	
14.0	70.7	79.8	25 400*															14.0	
15.0	68.5	79.4	22 900*															15.0	
16.0	66.2	79.0	20 500*	70.3	79.6	24 700*												16.0	
17.0	63.8	78.5	18 100*	68.0	79.2	22 700*												17.0	
18.0	61.4	77.9	16 300*	65.7	78.8	20 200*												18.0	
19.0	59.0	77.3	14 700*	63.4	78.3	17 900*												19.0	
20.0	56.5	76.7	13 400*	61.0	77.7	16 100*	67.3	78.8	22 000*									20.0	
21.0	53.9	75.9	12 200*	58.5	77.1	14 600*	65.0	78.3	19 700*									21.0	
22.0	51.2	75.1	11 100*	56.0	76.4	13 200*	62.7	77.8	17 500*									22.0	
23.0	48.4	74.2	10 200*	53.4	75.7	12 100*	60.2	77.2	15 800*	66.6	78.2	21 300*						23.0	
24.0	45.4	73.3	9 400*	50.6	74.8	11 100*	57.7	76.6	14 300*	64.3	77.7	19 100*						24.0	
25.0	42.3	72.2	8 600*	47.8	73.9	10 100*	55.2	75.9	13 000*	61.9	77.2	17 100*						25.0	
26.0	39.0	70.9	8 000*	44.9	72.9	9 300*	52.5	75.1	11 900*	59.4	76.6	15 500*						26.0	
27.0	35.5	69.6	7 400*	41.7	71.8	8 600*	49.8	74.3	10 900*	56.9	75.9	14 100*						27.0	
28.0	31.5	68.0	6 800*	38.4	70.6	7 900*	46.9	73.3	10 000*	54.4	75.2	12 800*						28.0	
29.0	27.0	66.1	6 300*	34.7	69.1	7 400*	43.9	72.3	9 300*	51.7	74.4	11 700*	62.8	76.4	13 100			29.0	
30.0	21.7	63.7	5 900*	30.7	67.5	6 800*	40.7	71.2	8 500*	48.9	73.5	10 800*	60.4	75.8	12 200			30.0	
31.0				26.1	65.5	6 300*	37.3	69.9	7 900*	46.0	72.6	9 900*	57.9	75.2	11 200			31.0	
32.0				20.4	63.1	5 900*	33.5	68.4	7 300*	42.9	71.5	9 200*	55.4	74.5	10 400			32.0	
33.0							29.4	66.7	6 800*	39.6	70.3	8 500*	52.8	73.7	9 600			33.0	
34.0							24.5	64.6	6 300*	36.1	69.0	7 800*	50.0	72.9	8 900			34.0	
35.0							18.4	61.8	5 900*	32.3	67.4	7 200*	47.2	71.9	8 200			35.0	
36.0										27.9	65.6	6 700*	44.2	70.9	7 500			36.0	
37.0										22.7	63.3	6 200*	41.0	69.8	6 900	53.5	72.5	5 500	37.0
38.0										15.9	60.3	5 800*	37.6	68.5	6 300	50.8	71.7	5 000	38.0
39.0													33.8	67.0	5 700	48.0	70.8	4 400	39.0
40.0													29.7	65.3	5 200	45.1	69.8	3 900	40.0
42.0													18.9	60.6	4 200	38.6	67.5	2 900	42.0
44.0																31.0	64.4	2 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.7	77.2	25 200*													12.2
13.0	70.7	76.9	22 400*													13.0
14.0	68.2	76.5	19 100*	72.7	77.1	25 100*										14.0
15.0	65.6	76.1	16 700*	70.2	76.7	21 700*										15.0
16.0	62.9	75.6	14 700*	67.7	76.3	18 700*										16.0
17.0	60.2	75.0	13 100*	65.1	75.9	16 400*										17.0
18.0	57.4	74.3	11 700*	62.4	75.3	14 500*										18.0
19.0	54.5	73.6	10 500*	59.7	74.7	12 900*	66.9	75.9	18 300*							19.0
20.0	51.5	72.8	9 500*	56.8	74.1	11 600*	64.3	75.4	16 000*							20.0
21.0	48.3	71.9	8 600*	53.9	73.4	10 400*	61.6	74.9	14 200*							21.0
22.0	45.0	70.9	7 900*	50.9	72.5	9 500*	58.8	74.3	12 700*	66.0	75.3	17 700*				22.0
23.0	41.4	69.8	7 200*	47.7	71.6	8 600*	56.0	73.6	11 400*	63.4	74.8	15 500*				23.0
24.0	37.6	68.5	6 600*	44.3	70.6	7 800*	53.0	72.8	10 300*	60.7	74.2	13 800*				24.0
25.0	33.4	67.0	6 100*	40.7	69.5	7 200*	49.9	72.0	9 300*	57.9	73.6	12 400*				25.0
26.0	28.5	65.3	5 600*	36.8	68.1	6 600*	46.7	71.0	8 500*	55.0	72.9	11 100*				26.0
27.0	22.8	63.0	5 200*	32.5	66.6	6 000*	43.2	70.0	7 700*	52.0	72.1	10 100*				27.0
28.0				27.5	64.8	5 500*	39.6	68.8	7 100*	48.9	71.2	9 100*				28.0
29.0							35.5	67.4	6 500*	45.6	70.3	8 400*	59.0	72.8	11 700	29.0
30.0							31.0	65.8	6 000*	42.1	69.2	7 600*	56.2	72.2	10 700	30.0
31.0							25.8	63.8	5 500*	38.3	67.9	7 000*	53.2	71.4	9 700	31.0
32.0							19.2	61.2	5 100*	34.1	66.5	6 400*	50.2	70.6	8 800	32.0
33.0										29.5	64.8	5 900*	46.9	69.6	7 900	33.0
34.0										23.9	62.6	5 400*	43.5	68.6	7 200	34.0
35.0										16.5	59.7	5 000*	39.8	67.4	6 400	35.0
36.0													35.9	66.0	5 700	36.0
37.0													31.4	64.5	5 000	37.0
38.0													26.3	62.5	4 400	38.0
39.0													19.8	60.0	3 800	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 100*													12.2
13.0	73.0	80.2	25 500*													13.0
14.0	70.7	79.8	24 400*													14.0
15.0	68.5	79.4	21 400*													15.0
16.0	66.2	79.0	18 700*	70.3	79.6	23 800*										16.0
17.0	63.8	78.5	16 700*	68.0	79.2	20 800*										17.0
18.0	61.4	77.9	15 000*	65.7	78.8	18 400*										18.0
19.0	59.0	77.3	13 500*	63.4	78.3	16 500*										19.0
20.0	56.5	76.7	12 200*	61.0	77.7	14 800*	67.3	78.8	20 300*							20.0
21.0	53.9	75.9	11 100*	58.5	77.1	13 400*	65.0	78.3	18 100*							21.0
22.0	51.2	75.1	10 200*	56.0	76.4	12 200*	62.7	77.8	16 200*							22.0
23.0	48.4	74.2	9 300*	53.4	75.7	11 100*	60.2	77.2	14 600*	66.6	78.2	19 600*				23.0
24.0	45.4	73.3	8 600*	50.6	74.8	10 100*	57.7	76.6	13 200*	64.3	77.7	17 600*				24.0
25.0	42.3	72.2	7 900*	47.8	73.9	9 300*	55.2	75.9	12 000*	61.9	77.2	15 800*				25.0
26.0	39.0	70.9	7 200*	44.9	72.9	8 500*	52.5	75.1	11 000*	59.4	76.6	14 200*				26.0
27.0	35.5	69.6	6 700*	41.7	71.8	7 900*	49.8	74.3	10 000*	56.9	75.9	12 900*				27.0
28.0	31.5	68.0	6 200*	38.4	70.6	7 200*	46.9	73.3	9 200*	54.4	75.2	11 800*				28.0
29.0	27.0	66.1	5 700*	34.7	69.1	6 700*	43.9	72.3	8 400*	51.7	74.4	10 800*	62.8	76.4	11 500	29.0
30.0	21.7	63.7	5 300*	30.7	67.5	6 200*	40.7	71.2	7 800*	48.9	73.5	9 900*	60.4	75.8	10 500	30.0
31.0				26.1	65.5	5 800*	37.3	69.9	7 200*	46.0	72.6	9 100*	57.9	75.2	9 600	31.0
32.0				20.4	63.1	5 300*	33.5	68.4	6 700*	42.9	71.5	8 400*	55.4	74.5	8 700	32.0
33.0							29.4	66.7	6 200*	39.6	70.3	7 700*	52.8	73.7	7 900	33.0
34.0							24.5	64.6	5 700*	36.1	69.0	7 200*	50.0	72.9	7 100	34.0
35.0							18.4	61.8	5 300*	32.3	67.4	6 600*	47.2	71.9	6 400	35.0
36.0										27.9	65.6	6 100*	44.2	70.9	5 700	36.0
37.0										22.7	63.3	5 700*	41.0	69.8	5 000	37.0
38.0										15.9	60.3	5 300*	37.6	68.5	4 400	38.0
39.0													33.8	67.0	3 800	39.0
40.0													29.7	65.3	3 300	40.0
42.0													18.9	60.6	2 200	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

51.8m (170 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
13.7	73.3	83.1	26 100*													13.7
14.0	72.7	83.0	25 600*													14.0
15.0	70.7	82.7	23 900*													15.0
16.0	68.7	82.3	21 800*	72.4	82.9	25 100*										16.0
17.0	66.7	81.9	19 600*	70.4	82.5	23 800*										17.0
18.0	64.6	81.4	17 600*	68.3	82.1	21 600*										18.0
19.0	62.4	80.9	15 900*	66.3	81.7	19 300*										19.0
20.0	60.3	80.3	14 400*	64.2	81.2	17 400*	69.7	82.1	23 100*							20.0
21.0	58.0	79.7	13 200*	62.0	80.6	15 800*	67.7	81.7	20 900*							21.0
22.0	55.7	79.0	12 100*	59.8	80.0	14 400*	65.6	81.2	18 900*							22.0
23.0	53.4	78.2	11 100*	57.6	79.4	13 100*	63.5	80.7	17 100*							23.0
24.0	51.0	77.4	10 200*	55.3	78.7	12 000*	61.4	80.2	15 500*							24.0
25.0	48.4	76.5	9 400*	52.9	78.0	11 100*	59.2	79.6	14 100*	64.9	80.6	17 600				25.0
26.0	45.8	75.6	8 700*	50.5	77.1	10 200*	56.9	78.9	13 000*	62.8	80.1	16 300				26.0
27.0	43.1	74.5	8 000*	47.9	76.2	9 400*	54.6	78.2	11 900*	60.7	79.5	15 100				27.0
28.0	40.2	73.3	7 400*	45.3	75.2	8 700*	52.2	77.4	10 900*	58.4	78.9	13 900				28.0
29.0	37.0	72.0	6 900*	42.5	74.2	8 000*	49.7	76.6	10 100*	56.2	78.3	12 800*				29.0
30.0	33.7	70.5	6 400*	39.6	73.0	7 500*	47.2	75.6	9 400*	53.8	77.5	11 800*				30.0
31.0	30.0	68.9	6 000*	36.4	71.6	6 900*	44.5	74.6	8 700*	51.4	76.7	10 800*	61.5	78.7	9 500	31.0
32.0	25.8	66.9	5 600*	33.0	70.1	6 400*	41.6	73.5	8 000*	48.9	75.8	10 000*	59.3	78.1	8 600	32.0
33.0	20.7	64.4	5 200*	29.2	68.4	6 000*	38.6	72.3	7 400*	46.3	74.9	9 300	57.1	77.5	7 800	33.0
34.0				24.9	66.3	5 600*	35.4	70.9	6 900*	43.6	73.9	8 500	54.8	76.8	7 100	34.0
35.0				19.6	63.7	5 200*	31.9	69.3	6 500*	40.7	72.7	7 800	52.4	76.0	6 400	35.0
36.0							28.0	67.5	6 000*	37.6	71.4	7 100	49.9	75.2	5 700	36.0
37.0							23.4	65.3	5 600*	34.3	70.0	6 400	47.4	74.3	5 100	37.0
38.0							17.7	62.4	5 200*	30.7	68.3	5 800	44.7	73.2	4 500	38.0
39.0										26.6	66.4	5 200	41.9	72.1	3 900	39.0
40.0										21.7	64.0	4 700	38.9	70.9	3 300	40.0
42.0													32.2	68.0	2 300	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.9	86.3	25 900*													13.7
14.0	74.4	86.2	25 300*													14.0
15.0	72.6	85.9	23 200*													15.0
16.0	70.8	85.6	21 100*													16.0
17.0	68.9	85.2	19 200*	72.2	85.7	22 900*										17.0
18.0	67.0	84.8	17 500*	70.4	85.4	20 800*										18.0
19.0	65.2	84.3	16 000*	68.6	85.0	18 800*										19.0
20.0	63.2	83.8	14 800*	66.7	84.6	17 300*										20.0
21.0	61.3	83.2	13 600*	64.8	84.1	15 800*										21.0
22.0	59.3	82.6	12 500*	62.9	83.6	14 600*	68.0	84.6	18 500*							22.0
23.0	57.2	82.0	11 400*	60.9	83.0	13 500*	66.1	84.1	16 900*							23.0
24.0	55.1	81.3	10 500*	58.9	82.4	12 400*	64.2	83.6	15 500*							24.0
25.0	53.0	80.5	9 600*	56.8	81.7	11 400*	62.3	83.1	14 300*							25.0
26.0	50.8	79.7	8 800*	54.7	81.0	10 400*	60.3	82.5	13 200*	65.5	83.5	15 900				26.0
27.0	48.5	78.8	8 100*	52.6	80.3	9 600*	58.3	81.9	12 300*	63.6	83.0	14 800				27.0
28.0	46.1	77.9	7 400*	50.3	79.4	8 800*	56.2	81.2	11 300*	61.6	82.5	13 700				28.0
29.0	43.6	76.8	6 900*	48.0	78.5	8 100*	54.1	80.5	10 400*	59.6	81.9	12 700				29.0
30.0	41.0	75.7	6 300*	45.6	77.6	7 500*	51.9	79.7	9 500*	57.6	81.3	11 700				30.0
31.0	38.3	74.4	5 800*	43.1	76.5	6 900*	49.7	78.9	8 800*	55.5	80.6	10 800				31.0
32.0	35.4	73.0	5 300*	40.5	75.3	6 300*	47.3	78.0	8 100*	53.4	79.8	9 900	62.4	81.7	8 300	32.0
33.0	32.2	71.5	4 900*	37.7	74.1	5 900*	44.9	77.0	7 500*	51.2	79.0	9 100	60.4	81.1	7 600	33.0
34.0	28.7	69.7	4 600*	34.8	72.6	5 400*	42.4	75.9	6 900*	48.9	78.1	8 400	58.4	80.5	6 800	34.0
35.0	24.7	67.6	4 200*	31.5	71.0	5 000*	39.7	74.7	6 400*	46.6	77.2	7 700	56.4	79.8	6 200	35.0
36.0	20.0	65.0	3 900*	27.9	69.2	4 600*	36.9	73.3	5 900*	44.1	76.2	7 000	54.3	79.1	5 500	36.0
37.0				23.8	67.0	4 200*	33.8	71.9	5 400*	41.5	75.1	6 300	52.1	78.3	4 900	37.0
38.0				18.9	64.3	3 900*	30.5	70.2	5 000*	38.8	73.8	5 700	49.8	77.5	4 300	38.0
39.0							26.8	68.3	4 600*	35.9	72.5	5 100	47.5	76.6	3 700	39.0
40.0							22.5	66.0	4 300*	32.8	70.9	4 600	45.1	75.6	3 200	40.0
42.0										25.5	67.2	3 500	39.9	73.3	2 200	42.0
44.0										15.0	61.4	2 600				44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
15.2	73.7	89.1	22 900*													15.2
16.0	72.4	88.8	22 000*													16.0
17.0	70.8	88.5	20 800*													17.0
18.0	69.1	88.1	19 200*													18.0
19.0	67.4	87.6	17 700*	70.4	88.3	20 600*										19.0
20.0	65.6	87.2	16 400*	68.7	87.9	18 900*										20.0
21.0	63.9	86.7	15 200*	67.0	87.4	17 500*										21.0
22.0	62.1	86.2	14 100*	65.3	87.0	16 200*	69.9	87.9	20 200*							22.0
23.0	60.3	85.6	13 200*	63.5	86.5	15 000*	68.2	87.4	18 600*							23.0
24.0	58.5	85.0	12 300*	61.8	85.9	14 000*	66.5	87.0	17 100*							24.0
25.0	56.6	84.3	11 400*	59.9	85.4	13 000*	64.8	86.5	15 900*							25.0
26.0	54.6	83.6	10 500*	58.1	84.7	12 200*	63.0	86.0	14 800*	67.7	86.9	15 900				26.0
27.0	52.7	82.8	9 700*	56.2	84.1	11 300*	61.2	85.5	13 700*	66.0	86.4	14 700				27.0
28.0	50.6	82.0	8 900*	54.3	83.3	10 500*	59.4	84.9	12 800*	64.2	85.9	13 600				28.0
29.0	48.5	81.1	8 300*	52.3	82.6	9 700*	57.5	84.2	12 000*	62.4	85.4	12 600				29.0
30.0	46.4	80.2	7 700*	50.2	81.7	9 000*	55.6	83.6	11 200*	60.6	84.8	11 700				30.0
31.0	44.1	79.2	7 100*	48.1	80.8	8 300*	53.7	82.8	10 500*	58.8	84.2	10 800				31.0
32.0	41.8	78.0	6 500*	45.9	79.9	7 800*	51.7	82.0	9 700*	56.9	83.6	9 900				32.0
33.0	39.3	76.8	6 000*	43.7	78.8	7 200*	49.6	81.2	9 000*	55.0	82.9	9 100				33.0
34.0	36.7	75.5	5 500*	41.3	77.7	6 700*	47.5	80.3	8 400*	53.0	82.1	8 400	61.4	84.0	6 800	34.0
35.0	33.9	74.0	5 100*	38.8	76.5	6 200*	45.3	79.3	7 800*	51.0	81.3	7 700	59.5	83.5	6 200	35.0
36.0	30.9	72.4	4 700*	36.2	75.1	5 800*	43.0	78.2	7 200*	48.9	80.5	7 000	57.7	82.8	5 500	36.0
37.0	27.5	70.5	4 400*	33.3	73.6	5 400*	40.6	77.0	6 700*	46.8	79.5	6 400	55.8	82.1	4 900	37.0
38.0	23.8	68.3	3 900*	30.2	71.9	5 000*	38.0	75.8	6 300*	44.5	78.5	5 800	53.8	81.4	4 300	38.0
39.0	19.3	65.7	3 200*	26.8	70.0	4 600*	35.3	74.4	5 800*	42.2	77.4	5 200	51.8	80.6	3 800	39.0
40.0				23.0	67.8	4 300*	32.4	72.8	5 400*	39.7	76.2	4 600	49.8	79.8	3 200	40.0
42.0							25.7	69.1	4 400*	34.4	73.5	3 600	45.4	77.9	2 300	42.0
44.0							16.6	63.6	3 200*	28.2	70.0	2 700				44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

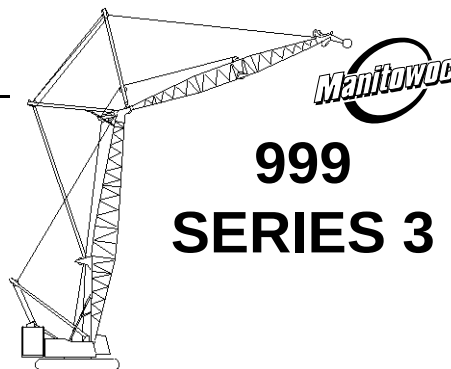
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	75.0	92.2	21 100*										15.2
16.0	73.8	92.0	20 400*										16.0
17.0	72.3	91.7	19 500*										17.0
18.0	70.8	91.3	18 200*										18.0
19.0	69.2	91.0	16 900*	72.0	91.5	19 600*							19.0
20.0	67.6	90.5	15 600*	70.5	91.1	18 000*							20.0
21.0	66.1	90.1	14 400*	68.9	90.8	16 700*							21.0
22.0	64.4	89.6	13 400*	67.3	90.3	15 400*							22.0
23.0	62.8	89.1	12 400*	65.7	89.9	14 300*	70.0	90.7	17 700*				23.0
24.0	61.2	88.5	11 500*	64.1	89.4	13 200*	68.4	90.3	16 300*				24.0
25.0	59.5	87.9	10 800*	62.5	88.9	12 300*	66.9	89.9	15 100*				25.0
26.0	57.8	87.3	10 000*	60.8	88.3	11 400*	65.3	89.4	14 000*				26.0
27.0	56.0	86.6	9 300*	59.1	87.7	10 700*	63.6	88.9	13 000*				27.0
28.0	54.2	85.9	8 700*	57.4	87.1	9 900*	62.0	88.4	12 100*	66.3	89.3	13 300	28.0
29.0	52.4	85.1	8 100*	55.7	86.4	9 300*	60.3	87.8	11 300*	64.7	88.8	12 300	29.0
30.0	50.5	84.3	7 600*	53.9	85.7	8 700*	58.6	87.2	10 500*	63.1	88.3	11 400	30.0
31.0	48.6	83.4	7 100*	52.0	84.9	8 100*	56.9	86.6	9 700*	61.5	87.8	10 500	31.0
32.0	46.6	82.5	6 600*	50.1	84.0	7 600*	55.1	85.9	9 100*	59.8	87.2	9 700	32.0
33.0	44.5	81.5	6 100*	48.2	83.1	7 100*	53.3	85.1	8 500*	58.1	86.6	8 900	33.0
34.0	42.4	80.4	5 600*	46.2	82.2	6 600*	51.5	84.3	8 000*	56.3	85.9	8 100	34.0
35.0	40.1	79.2	5 100*	44.1	81.2	6 200*	49.6	83.5	7 500*	54.5	85.2	7 500	35.0
36.0	37.8	77.9	4 700*	41.9	80.0	5 700*	47.6	82.6	7 000*	52.7	84.4	6 800	36.0
37.0	35.3	76.5	4 300*	39.7	78.8	5 300*	45.6	81.6	6 500*	50.8	83.6	6 200	37.0
38.0	32.6	75.0	4 000*	37.3	77.5	4 800*	43.5	80.5	6 100*	48.9	82.8	5 600	38.0
39.0	29.7	73.3	3 500*	34.8	76.1	4 400*	41.3	79.4	5 700*	46.9	81.8	5 000	39.0
40.0	26.6	71.3	2 800*	32.1	74.6	4 100*	39.0	78.2	5 300	44.9	80.8	4 500	40.0
42.0				25.9	70.8	3 300*	34.0	75.4	4 400	40.5	78.6	3 500	42.0
44.0				17.8	65.6	2 100*	28.2	71.9	3 300	35.7	75.9	2 500	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

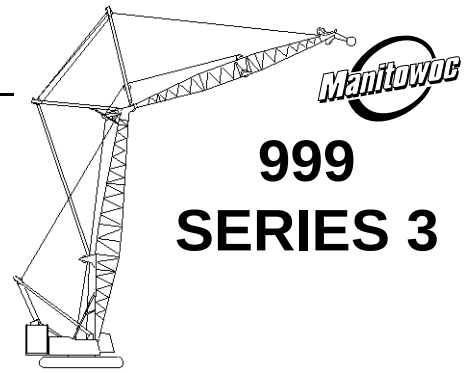
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

54.9m (180 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall			
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		
12.2	53.5	66.6	15 900*b	54.1	66.6	16 500*b														
13.0	48.3	65.9	14 100*																	
14.0	41.1	64.7	12 000*																	
15.0	32.6	63.3	10 400*																	
16.0				47.7	65.7	14 000*												15.0		
				40.5	64.5	11 900*												16.0		
17.0							53.2	66.1	16 400*b											
18.0																				
19.0																				
20.0																				
21.0										52.2	65.5	16 300*						17.0		
							46.7	65.2	14 000*									18.0		
							39.3	64.0	11 900*									19.0		
										52.2	64.6	13 900*						20.0		
22.0										45.6	63.3	11 800*						21.0		
23.0										38.0								22.0		
24.0																		23.0		
25.0																		24.0		
26.0															50.0	64.1	15 900*b	25.0		
															43.1	63.1	13 300*	26.0		
27.0																				
28.0																		27.0		
29.0																		28.0		
30.0																	53.5	63.1	17 000	29.0
31.0																	47.0	62.2	14 800	30.0
32.0																	39.7	61.0	12 800*	31.0
																	30.7	59.4	11 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

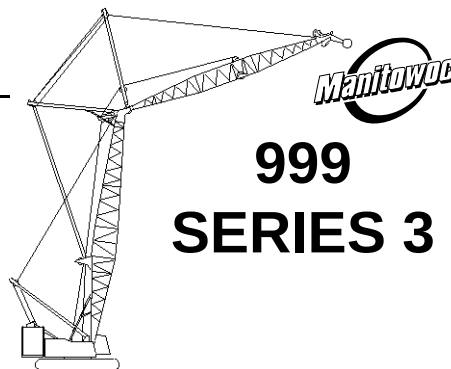
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	62.3	67.7	17 800*b	54.1	66.6	13 800*													
11.0	60.4	67.5	16 800*b																
12.0	54.6	66.8	13 800*																
13.0	48.3	65.9	11 500*																
14.0	41.1	64.7	9 900*																
15.0	32.6	63.3	8 600*	47.7	65.7	11 600*	53.2	66.1	13 700*										
16.0			40.5	64.5	9 900*														
17.0																			
18.0																			
19.0																			
20.0									52.2	65.5	13 400*	61.9	65.6	19 700*b					
21.0									45.6	64.6	11 300*								
22.0									38.0	63.3	9 700*								
23.0																			
24.0																			
25.0												50.0	64.1	12 900*					
26.0												43.1	63.1	11 000*					
27.0												35.0	61.7	9 400*					
28.0																			
29.0																			
30.0															53.5	63.1	14 800*		
31.0															47.0	62.2	12 500*	30.0	
32.0															39.7	61.0	10 500*	31.0	
															30.7	59.4	9 100*	32.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

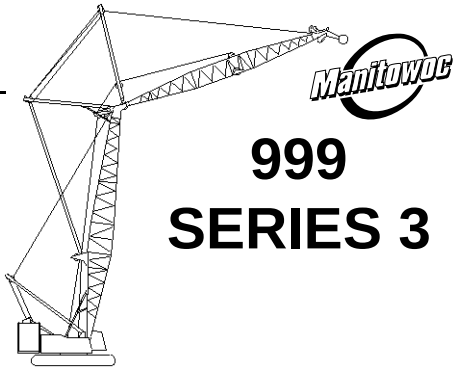
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	62.3	67.7	15 700*b			14 900*													
11.0	60.4	67.5	14 800*b																
12.0	54.6	66.8	12 100*																
13.0	48.3	65.9	10 000*																
14.0	41.1	64.7	8 600*	54.1	66.6	12 000*													
15.0	32.6	63.3	7 400*	47.7	65.7	10 000*	59.1	66.9	14 800*b										
16.0				40.5	64.5	8 600*													
17.0																			
18.0																			
19.0							39.3	64.0	8 500*	58.2	66.3	14 600*b							
20.0										52.2	65.5	11 800*							
21.0										45.6	64.6	9 900*							
22.0										38.0	63.3	8 400*							
23.0													61.9	65.6	17 400*				
24.0													56.2	65.0	14 000*				
25.0													50.0	64.1	11 300*				
26.0													43.1	63.1	9 600*				
27.0													35.0	61.7	8 200*				
28.0																			
29.0																53.5	63.1	12 900*	
30.0																47.0	62.2	10 900*	
31.0																39.7	61.0	9 100*	
32.0																30.7	59.4	7 800*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

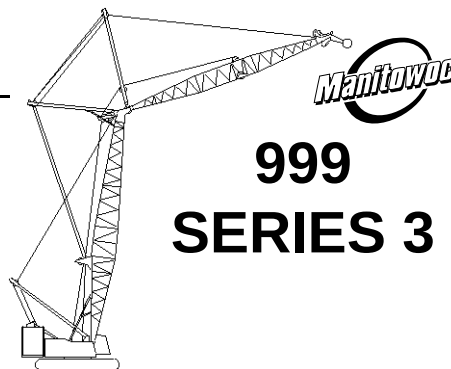
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m											
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall													
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms									
10.7	68.3	71.1	23 000*b	66.6	70.8	21 900*																								
11.0	66.9	71.0	21 700*b																											
12.0	62.7	70.4	17 700*																											
13.0	58.2	69.8	14 700*																											
14.0	53.5	69.1	12 700*																											
15.0	48.4	68.2	11 000*	57.8	69.6	14 700*	66.0	70.4	21 800*b																					
16.0	42.9	67.1	9 600*	53.1	68.9	12 600*																								
17.0	36.7	65.8	8 500*	48.0	68.0	11 000*													61.6	69.9	17 400*									
18.0	29.2	64.1	7 500*	42.4	66.9	9 600*													57.1	69.2	14 600*									
19.0				36.0	65.5	8 500*													52.3	68.4	12 600*									
20.0							47.2	67.5	10 900*	60.9	69.3	17 400*																		
21.0							41.5	66.4	9 600*	56.4	68.6	14 700*																		
22.0							35.0	65.0	8 500*	51.5	67.8	12 500*																		
23.0										46.3	66.9	10 800*																		
24.0										40.5	65.7	9 500*																		
25.0										33.9	64.3	8 400*	59.4	68.0	17 000*															
26.0																				54.8	67.3	14 200*								
27.0																				49.8	66.4	12 100*								
28.0																				44.4	65.4	10 500*								
29.0																				38.4	64.2	9 300*								
30.0													31.3	62.6	8 200*	52.5	65.4	12 900	30.0											
31.0																														31.0
32.0																														32.0
33.0																														33.0
34.0																														34.0
35.0																														35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

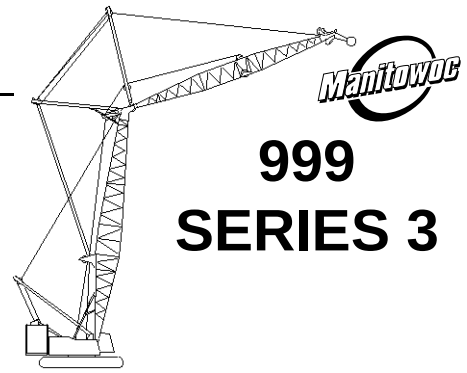
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall				
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m
10.7	62.3	67.7	14 500*			13 800*															
11.0	60.4	67.5	13 700*																		
12.0	54.6	66.8	11 300*																		
13.0	48.3	65.9	9 400*																		
14.0	41.1	64.7	8 100*																		
15.0	32.6	63.3	7 100*	47.7	65.7	9 400*	59.1	66.9	13 600*												
16.0				40.5	64.5	8 100*															
17.0																			53.2	66.1	11 000*
18.0																			46.7	65.2	9 300*
19.0																			39.3	64.0	8 000*
20.0										58.2	66.3	13 300*									
21.0										52.2	65.5	10 800*									
22.0										45.6	64.6	9 100*									
23.0										38.0	63.3	7 900*									
24.0													61.9	65.6	15 400*						
25.0													56.2	65.0	12 600*						
26.0													50.0	64.1	10 300*						
27.0													43.1	63.1	8 800*						
28.0													35.0	61.7	7 600*						
29.0																53.5	63.1	11 700*			
30.0																47.0	62.2	9 900*	30.0		
31.0																39.7	61.0	8 400*	31.0		
32.0																30.7	59.4	7 300*	32.0		



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	68.3	71.1	20 300*															10.7	
11.0	66.9	71.0	19 200*															11.0	
12.0	62.7	70.4	15 700*															12.0	
13.0	58.2	69.8	13 100*	66.6	70.8	19 200*												13.0	
14.0	53.5	69.1	11 200*	62.3	70.3	15 400*												14.0	
15.0	48.4	68.2	9 700*	57.8	69.6	13 000*												15.0	
16.0	42.9	67.1	8 500*	53.1	68.9	11 200*	66.0	70.4	19 000*									16.0	
17.0	36.7	65.8	7 500*	48.0	68.0	9 700*	61.6	69.9	15 300*									17.0	
18.0	29.2	64.1	6 700*	42.4	66.9	8 500*	57.1	69.2	12 900*									18.0	
19.0				36.0	65.5	7 500*	52.3	68.4	11 100*									19.0	
20.0							47.2	67.5	9 600*	60.9	69.3	15 200*						20.0	
21.0							41.5	66.4	8 400*	56.4	68.6	12 900*						21.0	
22.0							35.0	65.0	7 500*	51.5	67.8	10 900*						22.0	
23.0										46.3	66.9	9 500*						23.0	
24.0										40.5	65.7	8 300*						24.0	
25.0										33.9	64.3	7 400*	59.4	68.0	14 700*			25.0	
26.0													54.8	67.3	12 300*			26.0	
27.0													49.8	66.4	10 600*			27.0	
28.0													44.4	65.4	9 200*			28.0	
29.0													38.4	64.2	8 100*			29.0	
30.0													31.3	62.6	7 200*			30.0	
31.0																52.5	65.4	11 300	
32.0																47.4	64.5	10 100	
33.0																41.8	63.4	8 900*	
34.0																35.3	62.0	7 800*	
35.0																27.5	60.2	6 900*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
10.7	72.1	74.4	25 900*															10.7	
11.0	71.0	74.3	24 400*															11.0	
12.0	67.6	73.8	20 000*															12.0	
13.0	64.1	73.4	16 600*	70.7	74.1	23 300*												13.0	
14.0	60.5	72.8	14 300*	67.3	73.7	19 900*												14.0	
15.0	56.7	72.1	12 400*	63.8	73.2	16 800*												15.0	
16.0	52.7	71.4	10 900*	60.1	72.6	14 300*												16.0	
17.0	48.5	70.5	9 600*	56.4	71.9	12 400*	66.8	73.3	19 700*									17.0	
18.0	44.0	69.4	8 600*	52.4	71.2	10 900*	63.3	72.8	16 700*									18.0	
19.0	39.1	68.2	7 700*	48.1	70.3	9 600*	59.6	72.2	14 100*									19.0	
20.0	33.4	66.8	6 900*	43.6	69.2	8 600*	55.8	71.5	12 300*	66.2	72.8	19 300*						20.0	
21.0	26.7	64.9	6 200*	38.6	68.0	7 700*	51.8	70.7	10 800*	62.7	72.2	16 400*						21.0	
22.0				32.9	66.5	6 900*	47.5	69.8	9 600*	59.0	71.6	14 000*						22.0	
23.0							42.9	68.7	8 600*	55.1	70.9	12 200*						23.0	
24.0							37.8	67.5	7 700*	51.1	70.1	10 700*						24.0	
25.0							32.0	65.9	6 900*	46.8	69.2	9 500*						25.0	
26.0										42.1	68.1	8 500*	61.4	71.0	15 800*			26.0	
27.0										36.9	66.8	7 600*	57.7	70.3	13 700*			27.0	
28.0										30.9	65.2	6 800*	53.8	69.6	11 800*			28.0	
29.0													49.7	68.7	10 500*			29.0	
30.0													45.2	67.7	9 300*			30.0	
31.0													40.4	66.6	8 300*			31.0	
32.0													35.0	65.2	7 400*	56.0	68.5	32.0	
33.0													28.6	63.4	6 700*	51.9	67.7	33.0	
34.0																47.7	66.8	34.0	
35.0																43.1	65.7	35.0	
36.0																38.0	64.5	36.0	
37.0																32.3	63.0	37.0	
38.0																25.3	61.0	38.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.8	77.6	26 100*																10.7
11.0	73.9	77.5	25 900*																11.0
12.0	71.0	77.1	25 300*																12.0
13.0	68.1	76.7	22 800*																13.0
14.0	65.1	76.3	18 800*	70.7	77.0	25 200*													14.0
15.0	62.0	75.7	16 300*	67.8	76.6	21 800*													15.0
16.0	58.9	75.1	14 400*	64.8	76.1	18 800*													16.0
17.0	55.6	74.4	12 700*	61.8	75.6	16 300*	70.3	76.6	25 300*										17.0
18.0	52.2	73.7	11 400*	58.6	74.9	14 400*	67.4	76.2	21 700*										18.0
19.0	48.6	72.8	10 200*	55.3	74.2	12 700*	64.4	75.7	18 600*										19.0
20.0	44.8	71.8	9 200*	51.9	73.5	11 400*	61.3	75.2	16 200*										20.0
21.0	40.7	70.6	8 300*	48.3	72.6	10 200*	58.1	74.5	14 300*										21.0
22.0	36.1	69.3	7 600*	44.4	71.6	9 200*	54.8	73.8	12 700*	63.9	75.2	18 600*							22.0
23.0	31.0	67.7	6 900*	40.3	70.4	8 300*	51.4	73.0	11 300*	60.8	74.6	16 100*							23.0
24.0	24.9	65.6	6 300*	35.7	69.0	7 600*	47.7	72.1	10 200*	57.6	74.0	14 100*							24.0
25.0				30.5	67.4	6 900*	43.8	71.1	9 200*	54.3	73.2	12 600*							25.0
26.0							39.6	69.9	8 300*	50.8	72.4	11 300*							26.0
27.0							35.0	68.5	7 500*	47.1	71.5	10 100*							27.0
28.0							29.7	66.8	6 900*	43.2	70.4	9 100*	59.7	73.3	15 300				28.0
29.0										38.9	69.2	8 300*	56.5	72.6	13 800*				29.0
30.0										34.2	67.8	7 500*	53.1	71.9	12 300*				30.0
31.0										28.7	66.0	6 900*	49.6	71.0	11 000*				31.0
32.0										22.0	63.7	6 300*	45.8	70.1	9 900*				32.0
33.0													41.8	69.0	9 000*				33.0
34.0													37.4	67.7	8 100*	55.0	70.8	8 800	34.0
35.0													32.4	66.1	7 400*	51.5	70.0	8 200	35.0
36.0													26.6	64.2	6 800*	47.9	69.1	7 500	36.0
37.0																44.0	68.1	6 900	37.0
38.0																39.8	66.9	6 400	38.0
39.0																35.2	65.5	5 800	39.0
40.0																29.9	63.8	5 300	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.0	80.3	26 100*															12.2	
13.0	71.0	80.0	24 900*															13.0	
14.0	68.4	79.6	23 100*	73.3	80.2	26 000*												14.0	
15.0	65.9	79.2	20 100*	70.8	79.9	25 500*												15.0	
16.0	63.2	78.7	17 500*	68.2	79.5	23 500*												16.0	
17.0	60.5	78.1	15 600*	65.6	79.0	19 900*												17.0	
18.0	57.7	77.5	14 000*	63.0	78.5	17 500*												18.0	
19.0	54.8	76.7	12 600*	60.2	77.9	15 600*	67.8	79.1	22 700*									19.0	
20.0	51.8	76.0	11 400*	57.4	77.3	14 000*	65.2	78.6	19 700*									20.0	
21.0	48.6	75.1	10 300*	54.5	76.6	12 600*	62.6	78.1	17 400*									21.0	
22.0	45.3	74.1	9 400*	51.5	75.8	11 400*	59.8	77.5	15 500*									22.0	
23.0	41.8	73.0	8 600*	48.4	74.9	10 400*	57.0	76.9	13 900*	64.8	78.1	19 600*						23.0	
24.0	38.0	71.7	7 900*	45.0	73.9	9 500*	54.1	76.1	12 600*	62.1	77.5	17 400*						24.0	
25.0	33.8	70.3	7 300*	41.5	72.8	8 700*	51.1	75.3	11 400*	59.4	76.9	15 400*						25.0	
26.0	29.1	68.5	6 700*	37.7	71.5	8 000*	47.9	74.4	10 400*	56.6	76.3	13 900*						26.0	
27.0	23.5	66.4	6 200*	33.4	70.0	7 300*	44.5	73.4	9 500*	53.6	75.5	12 500*						27.0	
28.0				28.6	68.2	6 700*	41.0	72.3	8 700*	50.6	74.7	11 400*						28.0	
29.0							37.1	71.0	7 900*	47.4	73.8	10 300*	61.2	76.3	14 500			29.0	
30.0							32.8	69.4	7 300*	44.0	72.8	9 400*	58.4	75.6	13 600			30.0	
31.0							27.9	67.6	6 700*	40.3	71.6	8 700*	55.6	74.9	12 800			31.0	
32.0							21.9	65.3	6 200*	36.4	70.3	7 900*	52.6	74.2	12 000			32.0	
33.0										32.0	68.7	7 300*	49.5	73.3	11 100			33.0	
34.0										27.0	66.8	6 800*	46.2	72.4	10 200*			34.0	
35.0										20.8	64.4	6 200*	42.8	71.3	9 300*			35.0	
36.0													39.0	70.1	8 600*	54.2	73.1	7 600	36.0
37.0													35.0	68.7	7 900*	51.2	72.3	7 000	37.0
38.0													30.4	67.0	7 300*	48.0	71.4	6 400	38.0
39.0													25.1	65.0	6 700*	44.7	70.4	5 900	39.0
40.0																41.1	69.3	5 400	40.0
42.0																33.0	66.5	4 500	42.0
44.0																22.2	62.4	3 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

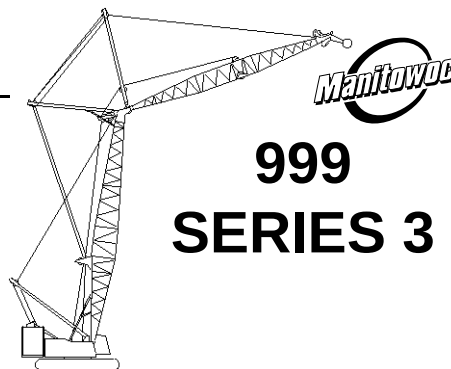
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	25 900*															14.0	
15.0	68.7	82.5	24 400*															15.0	
16.0	66.4	82.1	22 300*	70.8	82.7	25 800*												16.0	
17.0	64.1	81.6	19 800*	68.5	82.3	25 100*												17.0	
18.0	61.7	81.0	17 900*	66.2	81.9	22 400*												18.0	
19.0	59.3	80.4	16 300*	63.9	81.4	19 900*												19.0	
20.0	56.7	79.8	14 800*	61.5	80.9	18 000*	68.2	82.0	24 900*									20.0	
21.0	54.2	79.1	13 500*	59.0	80.3	16 300*	65.9	81.5	22 200*									21.0	
22.0	51.5	78.3	12 300*	56.5	79.6	14 800*	63.5	81.0	19 900*									22.0	
23.0	48.7	77.4	11 300*	53.9	78.9	13 500*	61.1	80.5	18 100*									23.0	
24.0	45.8	76.4	10 400*	51.2	78.1	12 400*	58.7	79.9	16 300*									24.0	
25.0	42.7	75.3	9 600*	48.4	77.2	11 400*	56.2	79.2	14 800*	63.1	80.5	20 000*						25.0	
26.0	39.4	74.1	8 800*	45.5	76.2	10 400*	53.5	78.4	13 500*	60.7	79.9	18 000*						26.0	
27.0	35.9	72.8	8 200*	42.4	75.1	9 600*	50.8	77.6	12 400*	58.3	79.3	16 300*						27.0	
28.0	32.0	71.2	7 600*	39.1	73.9	8 900*	48.0	76.7	11 400*	55.7	78.6	14 800*						28.0	
29.0	27.5	69.3	7 000*	35.5	72.5	8 200*	45.1	75.7	10 500*	53.1	77.9	13 500*						29.0	
30.0	22.3	67.1	6 600*	31.6	70.9	7 600*	41.9	74.6	9 700*	50.4	77.0	12 400*						30.0	
31.0				27.1	69.0	7 100*	38.6	73.4	8 900*	47.5	76.1	11 400*	59.9	78.6	12 400			31.0	
32.0				21.8	66.7	6 600*	35.0	72.0	8 300*	44.6	75.1	10 500*	57.4	78.0	11 600			32.0	
33.0							31.0	70.4	7 700*	41.4	74.0	9 700*	54.8	77.3	10 900			33.0	
34.0							26.4	68.4	7 100*	38.0	72.7	9 000*	52.2	76.5	10 100			34.0	
35.0							20.9	66.0	6 600*	34.3	71.3	8 300*	49.4	75.6	9 500			35.0	
36.0										30.3	69.6	7 700*	46.5	74.7	8 900			36.0	
37.0										25.6	67.6	7 200*	43.5	73.6	8 300	56.3	76.2	6 700	37.0
38.0										19.8	65.0	6 700*	40.3	72.5	7 700	53.7	75.4	6 100	38.0
39.0													36.8	71.1	7 200	51.0	74.6	5 600	39.0
40.0													33.0	69.6	6 700	48.1	73.7	5 100	40.0
42.0													23.8	65.7	5 700	42.1	71.6	4 200	42.0
44.0																35.1	69.0	3 400	44.0
46.0																26.6	65.5	2 600	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall				
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	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	18 000*							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	14 200*							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	5 700*	33.4	70.0	6 700*	44.5	73.4	8 700*	53.6	75.5	11 500*									
41.0							72.3	8 000*	50.6	74.7	10 500*										
37.1							71.0	7 300*	47.4	73.8	9 500*	61.2								76.3	12 700
32.8							69.4	6 700*	44.0	72.8	8 700*	58.4								75.6	11 800
29.0							27.9	67.6	6 200*	40.3	71.6	8 000*	55.6	74.9	10 900				31.0		
32.0							21.9	65.3	5 700*	36.4	70.3	7 300*	52.6	74.2	10 000				32.0		
33.0										32.0	68.7	6 700*	49.5	73.3	9 200				33.0		
34.0										27.0	66.8	6 200*	46.2	72.4	8 500				34.0		
35.0										20.8	64.4	5 700*	42.8	71.3	7 800				35.0		
36.0													39.0	70.1	7 100	54.2	73.1	5 800	36.0		
37.0													35.0	68.7	6 500	51.2	72.3	5 100	37.0		
38.0													30.4	67.0	5 900	48.0	71.4	4 600	38.0		
39.0													25.1	65.0	5 300	44.7	70.4	4 000	39.0		
40.0																41.1	69.3	3 500	40.0		
42.0																33.0	66.5	2 500	42.0		



Liftcrane Luffing Jib Intermediate Fall Capacities

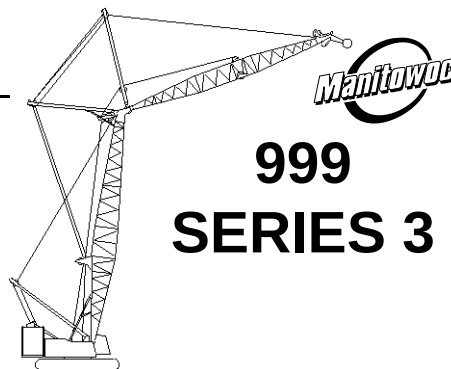
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	25 700*															14.0	
15.0	68.7	82.5	23 400*															15.0	
16.0	66.4	82.1	20 800*	70.8	82.7	25 100*												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	9 500*	51.2	78.1	11 300*	58.7	79.9	15 000*									24.0	
25.0	42.7	75.3	8 700*	48.4	77.2	10 300*	56.2	79.2	13 600*	63.1	80.5	18 300*						25.0	
26.0	39.4	74.1	8 000*	45.5	76.2	9 500*	53.5	78.4	12 400*	60.7	79.9	16 400*						26.0	
27.0	35.9	72.8	7 400*	42.4	75.1	8 700*	50.8	77.6	11 300*	58.3	79.3	14 900*						27.0	
28.0	32.0	71.2	6 900*	39.1	73.9	8 100*	48.0	76.7	10 400*	55.7	78.6	13 500*						28.0	
29.0	27.5	69.3	6 400*	35.5	72.5	7 500*	45.1	75.7	9 500*	53.1	77.9	12 400*						29.0	
30.0	22.3	67.1	5 900*	31.6	70.9	6 900*	41.9	74.6	8 800*	50.4	77.0	11 300*						30.0	
31.0				27.1	69.0	6 400*	38.6	73.4	8 100*	47.5	76.1	10 400*	59.9	78.6	10 600			31.0	
32.0				21.8	66.7	5 900*	35.0	72.0	7 500*	44.6	75.1	9 600*	57.4	78.0	9 800			32.0	
33.0							31.0	70.4	7 000*	41.4	74.0	8 800*	54.8	77.3	9 000			33.0	
34.0							26.4	68.4	6 500*	38.0	72.7	8 200*	52.2	76.5	8 300			34.0	
35.0							20.9	66.0	6 000*	34.3	71.3	7 600*	49.4	75.6	7 600			35.0	
36.0										30.3	69.6	7 000*	46.5	74.7	6 900			36.0	
37.0										25.6	67.6	6 500*	43.5	73.6	6 300	56.3	76.2	4 900	37.0
38.0										19.8	65.0	6 000*	40.3	72.5	5 700	53.7	75.4	4 300	38.0
39.0													36.8	71.1	5 200	51.0	74.6	3 800	39.0
40.0													33.0	69.6	4 700	48.1	73.7	3 300	40.0
42.0													23.8	65.7	3 700	42.1	71.6	2 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

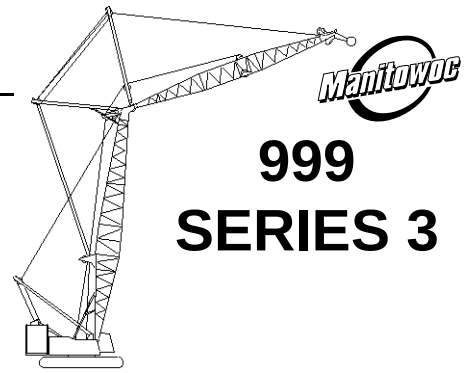
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	7 300*	48.4	74.9	8 800*	57.0	76.9	11 900*	64.8	78.1	16 700*				23.0
24.0	38.0	71.7	6 600*	45.0	73.9	8 000*	54.1	76.1	10 700*	62.1	77.5	14 900*				24.0
25.0	33.8	70.3	6 100*	41.5	72.8	7 300*	51.1	75.3	9 700*	59.4	76.9	13 200*				25.0
26.0	29.1	68.5	5 600*	37.7	71.5	6 700*	47.9	74.4	8 800*	56.6	76.3	11 900*				26.0
27.0	23.5	66.4	5 200*	33.4	70.0	6 200*	44.5	73.4	8 000*	53.6	75.5	10 700*				27.0
28.0				28.6	68.2	5 700*	41.0	72.3	7 300*	50.6	74.7	9 700*				28.0
29.0							37.1	71.0	6 700*	47.4	73.8	8 800*	61.2	76.3	11 000	29.0
30.0							32.8	69.4	6 200*	44.0	72.8	8 000*	58.4	75.6	10 100	30.0
31.0							27.9	67.6	5 700*	40.3	71.6	7 400*	55.6	74.9	9 100	31.0
32.0							21.9	65.3	5 200*	36.4	70.3	6 800*	52.6	74.2	8 300	32.0
33.0										32.0	68.7	6 200*	49.5	73.3	7 400	33.0
34.0										27.0	66.8	5 700*	46.2	72.4	6 600	34.0
35.0										20.8	64.4	5 200*	42.8	71.3	5 900	35.0
36.0													39.0	70.1	5 200	36.0
37.0													35.0	68.7	4 500	37.0
38.0													30.4	67.0	3 900	38.0
39.0													25.1	65.0	3 300	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

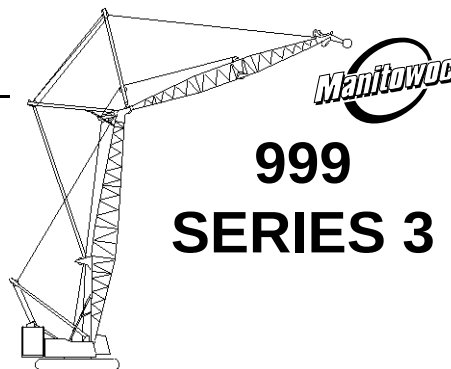
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

54.9m (180 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.	
12.2	75.0	83.5	26 100*													12.2
13.0	73.2	83.3	25 800*													13.0
14.0	71.0	82.9	24 900*													14.0
15.0	68.7	82.5	21 900*													15.0
16.0	66.4	82.1	19 000*	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	10 300*	56.5	79.6	12 400*	63.5	81.0	16 900*							22.0
23.0	48.7	77.4	9 400*	53.9	78.9	11 300*	61.1	80.5	15 200*							23.0
24.0	45.8	76.4	8 600*	51.2	78.1	10 300*	58.7	79.9	13 700*							24.0
25.0	42.7	75.3	7 900*	48.4	77.2	9 400*	56.2	79.2	12 500*	63.1	80.5	16 800				25.0
26.0	39.4	74.1	7 300*	45.5	76.2	8 700*	53.5	78.4	11 400*	60.7	79.9	15 100*				26.0
27.0	35.9	72.8	6 700*	42.4	75.1	8 000*	50.8	77.6	10 400*	58.3	79.3	13 700*				27.0
28.0	32.0	71.2	6 200*	39.1	73.9	7 400*	48.0	76.7	9 500*	55.7	78.6	12 500*				28.0
29.0	27.5	69.3	5 800*	35.5	72.5	6 800*	45.1	75.7	8 800*	53.1	77.9	11 300*				29.0
30.0	22.3	67.1	5 400*	31.6	70.9	6 300*	41.9	74.6	8 100*	50.4	77.0	10 400*				30.0
31.0				27.1	69.0	5 800*	38.6	73.4	7 400*	47.5	76.1	9 500*	59.9	78.6	9 000	31.0
32.0				21.8	66.7	5 400*	35.0	72.0	6 800*	44.6	75.1	8 800*	57.4	78.0	8 100	32.0
33.0							31.0	70.4	6 300*	41.4	74.0	8 100*	54.8	77.3	7 300	33.0
34.0							26.4	68.4	5 900*	38.0	72.7	7 500*	52.2	76.5	6 500	34.0
35.0							20.9	66.0	5 500*	34.3	71.3	6 900*	49.4	75.6	5 800	35.0
36.0										30.3	69.6	6 400*	46.5	74.7	5 200	36.0
37.0										25.6	67.6	5 900	43.5	73.6	4 500	37.0
38.0										19.8	65.0	5 300	40.3	72.5	3 900	38.0
39.0													36.8	71.1	3 300	39.0
40.0													33.0	69.6	2 800	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	73.5	86.2	26 000*												13.7	
14.0	73.0	86.1	25 600*												14.0	
15.0	71.0	85.8	24 100*												15.0	
16.0	68.9	85.4	22 200*												16.0	
17.0	66.9	85.0	19 800*	70.8	85.6	24 300*									17.0	
18.0	64.8	84.5	17 800*	68.8	85.2	22 000*									18.0	
19.0	62.7	84.0	16 100*	66.7	84.8	19 800*									19.0	
20.0	60.5	83.4	14 600*	64.6	84.3	17 800*	70.5	85.3	24 000*						20.0	
21.0	58.3	82.8	13 300*	62.5	83.8	16 100*	68.5	84.9	21 800*						21.0	
22.0	56.0	82.1	12 200*	60.3	83.2	14 600*	66.4	84.4	19 700*						22.0	
23.0	53.6	81.4	11 200*	58.1	82.6	13 400*	64.3	83.9	17 800*						23.0	
24.0	51.2	80.6	10 200*	55.8	81.9	12 200*	62.2	83.4	16 100*						24.0	
25.0	48.7	79.7	9 400*	53.4	81.2	11 200*	60.0	82.8	14 700*	66.1	83.9	16 900			25.0	
26.0	46.1	78.7	8 700*	51.0	80.4	10 300*	57.7	82.2	13 400*	63.9	83.4	15 600			26.0	
27.0	43.4	77.7	8 100*	48.5	79.5	9 500*	55.5	81.5	12 300*	61.8	82.8	14 400			27.0	
28.0	40.5	76.5	7 500*	45.9	78.5	8 800*	53.1	80.7	11 300*	59.6	82.3	13 400			28.0	
29.0	37.4	75.2	6 900*	43.1	77.4	8 200*	50.7	79.9	10 400*	57.4	81.6	12 300			29.0	
30.0	34.1	73.8	6 400*	40.2	76.3	7 600*	48.1	79.0	9 600*	55.1	80.9	11 400			30.0	
31.0	30.4	72.1	6 000*	37.1	75.0	7 000*	45.5	78.0	8 900*	52.7	80.2	10 500			31.0	
32.0	26.2	70.1	5 600*	33.7	73.5	6 500*	42.7	77.0	8 300*	50.2	79.3	9 600	61.1	81.6	8 000	
33.0	21.3	67.7	5 200*	30.0	71.8	6 100*	39.8	75.8	7 700*	47.7	78.4	8 800	58.9	81.0	7 200	
34.0				25.8	69.8	5 700*	36.6	74.5	7 100*	45.0	77.4	8 000	56.6	80.3	6 500	
35.0				20.8	67.4	5 300*	33.2	73.0	6 600*	42.2	76.3	7 300	54.3	79.6	5 800	
36.0							29.5	71.2	6 200*	39.3	75.1	6 600	51.9	78.8	5 100	
37.0							25.2	69.2	5 800*	36.1	73.8	6 000	49.4	77.9	4 500	
38.0							20.0	66.6	5 400*	32.6	72.2	5 400	46.8	77.0	4 000	
39.0										28.8	70.5	4 800	44.1	76.0	3 400	
40.0										24.4	68.4	4 200	41.2	74.8	2 800	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

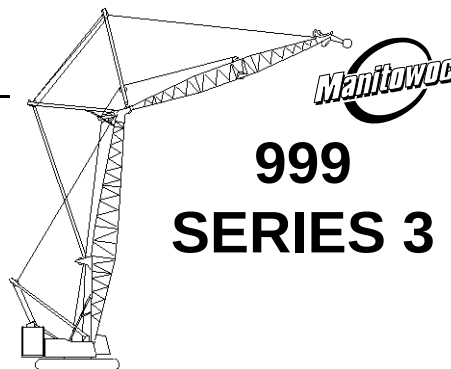
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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

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

54.9m (180 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	75.1	89.4	24 000*													13.7
14.0	74.6	89.3	23 800*													14.0
15.0	72.8	89.0	22 900*													15.0
16.0	70.9	88.7	21 500*													16.0
17.0	69.1	88.3	19 400*	72.6	88.9	23 500*										17.0
18.0	67.2	87.9	17 700*	70.8	88.5	21 300*										18.0
19.0	65.4	87.4	16 200*	68.9	88.1	19 300*										19.0
20.0	63.4	86.9	15 000*	67.1	87.7	17 700*										20.0
21.0	61.5	86.3	13 800*	65.2	87.2	16 200*										21.0
22.0	59.5	85.7	12 700*	63.3	86.7	14 900*	68.7	87.7	19 200*							22.0
23.0	57.5	85.1	11 500*	61.3	86.2	13 800*	66.8	87.3	17 500*							23.0
24.0	55.4	84.4	10 600*	59.3	85.6	12 700*	64.9	86.8	16 100*							24.0
25.0	53.2	83.7	9 700*	57.3	84.9	11 700*	63.0	86.3	14 800*							25.0
26.0	51.0	82.9	8 900*	55.2	84.2	10 700*	61.0	85.8	13 700*	66.5	86.8	15 300				26.0
27.0	48.7	82.0	8 200*	53.0	83.5	9 800*	59.0	85.2	12 700*	64.6	86.3	14 200				27.0
28.0	46.4	81.0	7 500*	50.8	82.7	9 000*	57.0	84.5	11 700*	62.7	85.8	13 100				28.0
29.0	43.9	80.0	6 900*	48.5	81.8	8 300*	54.9	83.8	10 800*	60.7	85.2	12 100				29.0
30.0	41.3	78.9	6 400*	46.2	80.8	7 600*	52.7	83.0	9 900*	58.7	84.6	11 100				30.0
31.0	38.6	77.6	5 900*	43.7	79.8	7 000*	50.5	82.2	9 100*	56.6	83.9	10 300				31.0
32.0	35.7	76.2	5 400*	41.1	78.6	6 400*	48.2	81.3	8 300*	54.5	83.2	9 400				32.0
33.0	32.5	74.7	5 000*	38.3	77.4	5 900*	45.8	80.4	7 700*	52.4	82.5	8 600				33.0
34.0	29.1	73.0	4 600*	35.4	76.0	5 500*	43.3	79.3	7 100*	50.1	81.6	7 900	60.0	83.9	6 200	34.0
35.0	25.1	70.9	4 200*	32.2	74.4	5 100*	40.7	78.2	6 600*	47.8	80.7	7 200	58.0	83.3	5 600	35.0
36.0	20.5	68.4	3 900*	28.7	72.7	4 700*	37.9	76.9	6 000*	45.4	79.7	6 500	55.9	82.6	4 900	36.0
37.0				24.8	70.6	4 300*	35.0	75.5	5 600*	42.9	78.7	5 900	53.8	81.9	4 300	37.0
38.0				20.0	68.0	4 000*	31.7	73.9	5 200*	40.3	77.5	5 300	51.6	81.1	3 800	38.0
39.0							28.2	72.1	4 800*	37.5	76.2	4 700	49.3	80.2	3 200	39.0
40.0							24.1	69.9	4 400*	34.5	74.8	4 100	47.0	79.3	2 700	40.0
42.0										27.6	71.3	3 100				42.0
44.0										18.3	66.3	2 200				44.0



**999
SERIES 3**

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

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	73.9	92.1	21 200*										15.2
16.0	72.6	91.9	20 400*										16.0
17.0	70.9	91.5	19 300*	74.1	92.1	23 100*							17.0
18.0	69.3	91.2	18 200*	72.5	91.7	22 300*							18.0
19.0	67.6	90.7	17 100*	70.8	91.4	21 000*							19.0
20.0	65.8	90.3	16 000*	69.1	91.0	19 300*							20.0
21.0	64.1	89.8	14 900*	67.4	90.6	17 800*							21.0
22.0	62.3	89.3	13 900*	65.7	90.1	16 500*							22.0
23.0	60.5	88.7	12 800*	63.9	89.6	15 300*	68.9	90.6	19 200*				23.0
24.0	58.7	88.1	11 900*	62.1	89.1	14 200*	67.2	90.2	17 700*				24.0
25.0	56.8	87.4	11 000*	60.3	88.5	13 300*	65.4	89.7	16 400*				25.0
26.0	54.9	86.7	10 100*	58.5	87.9	12 400*	63.7	89.2	15 200*				26.0
27.0	52.9	86.0	9 300*	56.6	87.2	11 500*	61.9	88.7	14 200*				27.0
28.0	50.9	85.2	8 500*	54.7	86.5	10 700*	60.1	88.1	13 200*	65.1	89.2	13 000	28.0
29.0	48.8	84.3	7 800*	52.7	85.8	9 800*	58.2	87.5	12 300*	63.4	88.7	12 000	29.0
30.0	46.6	83.3	7 100*	50.7	85.0	9 100*	56.3	86.8	11 600*	61.6	88.2	11 100	30.0
31.0	44.4	82.3	6 500*	48.6	84.1	8 500*	54.4	86.1	10 800*	59.8	87.6	10 200	31.0
32.0	42.0	81.2	6 000*	46.4	83.1	7 800*	52.4	85.4	10 000*	57.9	86.9	9 400	32.0
33.0	39.6	80.0	5 400*	44.2	82.1	7 300*	50.4	84.5	9 200*	56.0	86.3	8 600	33.0
34.0	37.0	78.7	4 900*	41.8	81.0	6 700*	48.3	83.6	8 600*	54.1	85.5	7 900	34.0
35.0	34.2	77.2	4 700*	39.3	79.8	6 300*	46.1	82.7	8 000*	52.1	84.8	7 200	35.0
36.0	31.2	75.6	4 400*	36.7	78.5	5 800*	43.8	81.6	7 400*	50.0	83.9	6 500	36.0
37.0	27.9	73.8	4 000*	33.9	77.0	5 400*	41.5	80.5	6 900	47.9	83.0	5 900	37.0
38.0	24.2	71.6	3 500*	30.9	75.3	5 000*	39.0	79.3	6 300	45.7	82.0	5 300	38.0
39.0	19.8	69.0	3 000*	27.6	73.5	4 600*	36.3	77.9	5 700	43.4	81.0	4 800	39.0
40.0				23.8	71.3	4 100*	33.5	76.4	5 200	41.1	79.9	4 200	40.0
42.0							27.1	72.9	4 000*	35.9	77.2	3 200	42.0
44.0							18.6	67.9	2 900*	29.9	74.0	2 300	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

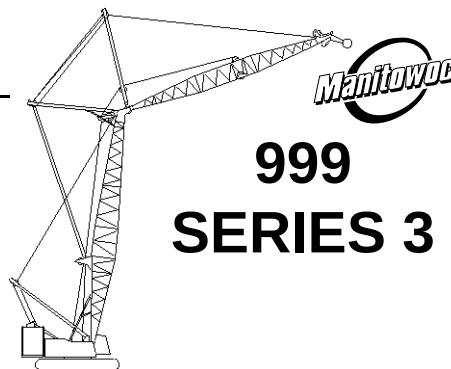
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

54.9m (180 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m	
15.2	75.1	95.3	19 500*										15.2
16.0	74.0	95.1	18 900*										16.0
17.0	72.5	94.8	18 100*										17.0
18.0	70.9	94.4	17 100*										18.0
19.0	69.4	94.0	16 200*	72.3	94.6	19 600*							19.0
20.0	67.8	93.6	15 300*	70.8	94.3	18 400*							20.0
21.0	66.2	93.2	14 400*	69.2	93.9	17 000*							21.0
22.0	64.6	92.7	13 400*	67.7	93.5	15 700*							22.0
23.0	63.0	92.2	12 500*	66.1	93.0	14 500*	70.6	93.9	18 200*				23.0
24.0	61.3	91.6	11 700*	64.5	92.5	13 500*	69.0	93.5	16 800*				24.0
25.0	59.7	91.1	10 800*	62.8	92.0	12 500*	67.4	93.1	15 600*				25.0
26.0	57.9	90.4	10 000*	61.2	91.5	11 600*	65.9	92.6	14 400*				26.0
27.0	56.2	89.8	9 300*	59.5	90.9	10 800*	64.2	92.2	13 400*				27.0
28.0	54.4	89.0	8 600*	57.8	90.2	10 100*	62.6	91.6	12 400*				28.0
29.0	52.6	88.3	7 900*	56.0	89.6	9 400*	60.9	91.1	11 600*	65.6	92.1	11 700	29.0
30.0	50.7	87.5	7 200*	54.2	88.9	8 800*	59.3	90.5	10 800*	64.0	91.6	10 800	30.0
31.0	48.8	86.6	6 600*	52.4	88.1	8 200*	57.5	89.8	10 100*	62.3	91.1	9 900	31.0
32.0	46.8	85.6	6 100*	50.5	87.3	7 700*	55.8	89.2	9 400*	60.7	90.5	9 100	32.0
33.0	44.7	84.6	5 600*	48.6	86.4	7 200*	54.0	88.4	8 800*	59.0	89.9	8 400	33.0
34.0	42.6	83.6	5 100*	46.6	85.4	6 700*	52.2	87.7	8 200*	57.3	89.3	7 600	34.0
35.0	40.4	82.4	4 700*	44.6	84.4	6 300*	50.3	86.8	7 700*	55.5	88.6	7 000	35.0
36.0	38.0	81.1	4 300*	42.4	83.3	5 800*	48.3	85.9	7 200*	53.7	87.8	6 300	36.0
37.0	35.6	79.7	3 900*	40.2	82.2	5 300*	46.3	85.0	6 700	51.8	87.1	5 700	37.0
38.0	32.9	78.2	3 500*	37.8	80.9	4 900*	44.2	84.0	6 100	50.0	86.2	5 100	38.0
39.0	30.1	76.5	3 000*	35.3	79.5	4 500*	42.1	82.9	5 600	48.0	85.3	4 600	39.0
40.0	26.9	74.6	2 500*	32.7	77.9	4 100*	39.8	81.7	5 000	46.0	84.4	4 000	40.0
42.0				26.6	74.3	3 100*	35.0	79.0	4 000	41.7	82.2	3 100	42.0
44.0				18.8	69.3	2 000*	29.4	75.7	3 000	37.1	79.7	2 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

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

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

57.9m (190 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	54.1	69.7	16 300*b															12.2	
13.0	49.0	69.0	14 400*															13.0	
14.0	42.0	67.9	12 300*															14.0	
15.0	33.6	66.5	10 700*															15.0	
16.0				42.1	67.8	12 600*												16.0	
17.0				33.8	66.4	10 800*												17.0	
18.0				22.6	64.3	9 500*												18.0	
19.0							42.2	67.5	12 900*									19.0	
20.0							33.9	66.1	11 000*	55.4	69.0	18 300*b						20.0	
21.0							22.8	64.0	9 700*	49.2	68.1	15 300*						21.0	
22.0										42.1	67.0	12 900*						22.0	
23.0																		23.0	
24.0																		24.0	
25.0																		25.0	
26.0													48.6	66.9	15 500*			26.0	
27.0													41.5	65.8	13 300*			27.0	
28.0													33.1	64.3	11 300*			28.0	
29.0																		29.0	
30.0																		30.0	
31.0																47.3	65.1	14 200	
32.0																40.0	63.9	13 100	
33.0																31.2	62.4	11 500*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

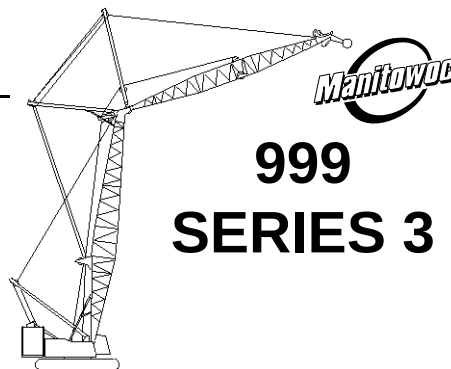
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
12.2	54.1	69.7	13 600*																12.2
13.0	49.0	69.0	12 000*																13.0
14.0	42.0	67.9	10 100*	55.4	69.8	14 500*													14.0
15.0	33.6	66.5	8 800*	49.1	68.9	12 100*													15.0
16.0				42.1	67.8	10 200*													16.0
17.0				33.8	66.4	8 900*	55.5	69.5	14 900*										17.0
18.0				22.6	64.3	7 800*	49.2	68.6	12 500*										18.0
19.0							42.2	67.5	10 500*										19.0
20.0							33.9	66.1	9 100*	55.4	69.0	15 200*							20.0
21.0							22.8	64.0	8 000*	49.2	68.1	12 700*							21.0
22.0										42.1	67.0	10 600*							22.0
23.0																			23.0
24.0																			24.0
25.0													54.9	67.8	15 700*b				25.0
26.0													48.6	66.9	12 700*				26.0
27.0													41.5	65.8	10 800*				27.0
28.0													33.1	64.3	9 300*				28.0
29.0																			29.0
30.0																			30.0
31.0																47.3	65.1	12 700	31.0
32.0																40.0	63.9	10 800	32.0
33.0																31.2	62.4	9 200*	33.0



999 SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

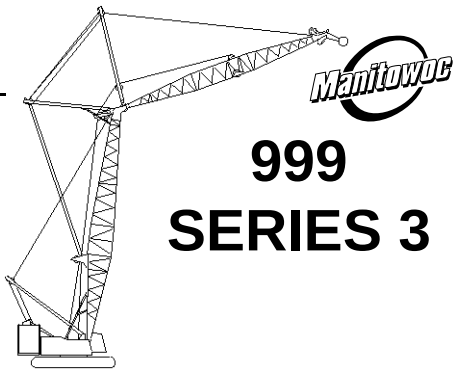
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	62.9	70.8	16 300*b															10.7	
11.0	61.0	70.6	15 300*b															11.0	
12.0	55.3	69.9	12 500*															12.0	
13.0	49.0	69.0	10 300*															13.0	
14.0	42.0	67.9	8 800*	55.4	69.8	12 700*												14.0	
15.0	33.6	66.5	7 600*	49.1	68.9	10 700*												15.0	
16.0				42.1	67.8	9 000*												16.0	
17.0				33.8	66.4	7 700*	55.5	69.5	13 100*									17.0	
18.0				22.6	64.3	6 700*	49.2	68.6	10 900*									18.0	
19.0							42.2	67.5	9 200*	61.2	69.7	16 900*b						19.0	
20.0							33.9	66.1	7 900*	55.4	69.0	13 200*						20.0	
21.0							22.8	64.0	6 900*	49.2	68.1	10 900*						21.0	
22.0										42.1	67.0	9 300*						22.0	
23.0																		23.0	
24.0																		24.0	
25.0													54.9	67.8	13 700*			25.0	
26.0													48.6	66.9	11 100*			26.0	
27.0													41.5	65.8	9 400*			27.0	
28.0													33.1	64.3	8 100*			28.0	
29.0																59.6	66.8	14 400	
30.0																53.7	66.0	12 900	
31.0																47.3	65.1	11 300*	
32.0																40.0	63.9	9 400*	
33.0																31.2	62.4	8 000*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

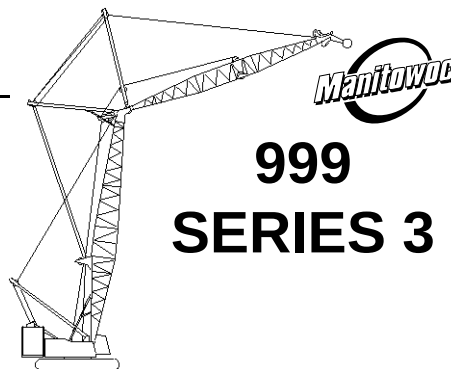
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms			
10.7	68.8	74.2	23 900* b															10.7			
11.0	67.4	74.0	22 500* b															11.0			
12.0	63.1	73.5	18 300*															12.0			
13.0	58.7	72.9	15 100*															13.0			
14.0	54.0	72.2	12 900*															63.2	73.4	18 700*	14.0
15.0	49.0	71.3	11 200*	58.8	72.8	15 600*												15.0			
16.0	43.5	70.3	9 800*	54.1	72.1	13 100*												16.0			
17.0	37.4	69.0	8 700*	49.1	71.2	11 400*												63.3	73.1	19 200*	17.0
18.0	30.1	67.4	7 700*	43.6	70.2	10 000*												58.8	72.5	16 000*	18.0
19.0				37.5	68.9	8 800*												54.2	71.8	13 400*	19.0
20.0				30.2	67.3	7 800*	49.2	70.9	11 600*	63.2	72.6	19 700*						20.0			
21.0				20.5	64.9	7 000*	43.7	69.9	10 100*	58.8	72.0	16 400*						21.0			
22.0							37.6	68.6	8 900*	54.1	71.3	13 700*						22.0			
23.0							30.3	67.0	7 900*	49.1	70.4	11 800*						23.0			
24.0							20.6	64.6	7 100*	43.7	69.4	10 300*						24.0			
25.0										37.5	68.1	9 000*	58.4 53.7 48.7 43.2	70.8 70.1 69.2 68.1	16 600* 14 100* 12 000* 10 500*				25.0		
26.0																			26.0		
27.0																			27.0		
28.0																			28.0		
29.0																			29.0		
30.0													37.0	66.8	9 200*	52.8 47.6 42.0	68.3 67.4 66.3	11 500 10 700 10 000		30.0	
31.0													29.6	65.2	8 100*					31.0	
32.0													19.5	62.7	7 300*					32.0	
33.0																				33.0	
34.0																				34.0	
35.0																35.6	65.0	9 200	35.0		
36.0																27.9	63.2	8 200*	36.0		



999

SERIES 3

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

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

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	62.9	70.8	15 000*															10.7	
11.0	61.0	70.6	14 200*															11.0	
12.0	55.3	69.9	11 600*															12.0	
13.0	49.0	69.0	9 600*	61.1	70.5	14 500*												13.0	
14.0	42.0	67.9	8 300*	55.4	69.8	11 600*												14.0	
15.0	33.6	66.5	7 200*	49.1	68.9	9 800*												15.0	
16.0				42.1	67.8	8 400*	61.2	70.2	14 900*									16.0	
17.0				33.8	66.4	7 300*	55.5	69.5	11 800*									17.0	
18.0				22.6	64.3	6 300*	49.2	68.6	9 900*									18.0	
19.0							42.2	67.5	8 500*	61.2	69.7	15 100*						19.0	
20.0							33.9	66.1	7 400*	55.4	69.0	12 000*						20.0	
21.0							22.8	64.0	6 400*	49.2	68.1	10 000*						21.0	
22.0										42.1	67.0	8 600*						22.0	
23.0																		23.0	
24.0																		24.0	
25.0													54.9	67.8	12 300*			25.0	
26.0													48.6	66.9	10 200*			26.0	
27.0													41.5	65.8	8 600*			27.0	
28.0													33.1	64.3	7 500*			28.0	
29.0																		29.0	
30.0																		30.0	
31.0																47.3	65.1	10 100*	31.0
32.0																40.0	63.9	8 500*	32.0
33.0																31.2	62.4	7 400*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

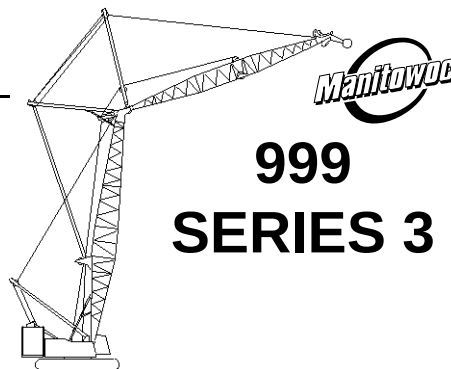
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		
10.7	68.8	74.2	21 000*															10.7	
11.0	67.4	74.0	19 800*															11.0	
12.0	63.1	73.5	16 200*															12.0	
13.0	58.7	72.9	13 400*	67.5	73.9	20 400*												13.0	
14.0	54.0	72.2	11 500*	63.2	73.4	16 200*												14.0	
15.0	49.0	71.3	9 900*	58.8	72.8	13 600*												15.0	
16.0	43.5	70.3	8 700*	54.1	72.1	11 600*	67.5	73.6	20 900*									16.0	
17.0	37.4	69.0	7 700*	49.1	71.2	10 100*	63.3	73.1	16 500*									17.0	
18.0	30.1	67.4	6 800*	43.6	70.2	8 800*	58.8	72.5	13 800*									18.0	
19.0				37.5	68.9	7 700*	54.2	71.8	11 800*									19.0	
20.0				30.2	67.3	6 900*	49.2	70.9	10 200*	63.2	72.6	17 000*						20.0	
21.0				20.5	64.9	6 100*	43.7	69.9	8 900*	58.8	72.0	14 300*						21.0	
22.0							37.6	68.6	7 900*	54.1	71.3	12 000*						22.0	
23.0							30.3	67.0	7 000*	49.1	70.4	10 400*						23.0	
24.0							20.6	64.6	6 200*	43.7	69.4	9 000*						24.0	
25.0										37.5	68.1	8 000*						25.0	
26.0													58.4	70.8	14 200*			26.0	
27.0													53.7	70.1	12 200*			27.0	
28.0													48.7	69.2	10 400*			28.0	
29.0													43.2	68.1	9 100*			29.0	
30.0													37.0	66.8	8 000*			30.0	
31.0													29.6	65.2	7 100*			31.0	
32.0													19.5	62.7	6 300*	52.8	68.3	9 800	
33.0																47.6	67.4	9 000	
34.0																42.0	66.3	8 300	
35.0																35.6	65.0	7 600	
36.0																27.9	63.2	6 800	


999
SERIES 3
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating
**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib
57.9m (190 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.5	77.5	26 100*																10.7
11.0	71.4	77.4	24 700*																11.0
12.0	68.0	76.9	20 500*																12.0
13.0	64.5	76.5	17 100*																13.0
14.0	60.9	75.9	14 600*	68.0	76.8	20 900*													14.0
15.0	57.1	75.2	12 700*	64.5	76.3	17 500*													15.0
16.0	53.2	74.5	11 100*	60.9	75.8	14 800*													16.0
17.0	49.0	73.6	9 800*	57.2	75.1	12 800*	68.1	76.5	21 300*										17.0
18.0	44.5	72.6	8 700*	53.2	74.4	11 200*	64.6	76.0	17 900*										18.0
19.0	39.6	71.4	7 800*	49.1	73.5	9 900*	61.0	75.5	15 100*										19.0
20.0	34.1	70.0	7 000*	44.6	72.5	8 800*	57.2	74.8	13 100*										20.0
21.0	27.5	68.2	6 300*	39.7	71.3	7 900*	53.3	74.1	11 400*										21.0
22.0				34.2	69.9	7 100*	49.1	73.2	10 100*	61.0	75.0	15 500*							22.0
23.0				27.7	68.1	6 400*	44.7	72.2	9 000*	57.2	74.3	13 200*							23.0
24.0				19.0	65.5	5 800*	39.8	71.0	8 000*	53.3	73.6	11 600*							
25.0							34.3	69.6	7 200*	49.1	72.7	10 200*							25.0
26.0							27.8	67.8	6 500*	44.6	71.7	9 100*							26.0
27.0							19.1	65.2	5 900*	39.7	70.5	8 100*							27.0
28.0										34.2	69.1	7 300*	56.9	73.1	13 500*				28.0
29.0													52.9	72.4	11 700*				29.0
30.0													48.7	71.5	10 300*				30.0
31.0													44.2	70.5	9 200*				31.0
32.0													39.3	69.3	8 200*				32.0
33.0													33.8	67.8	7 300*				33.0
34.0													27.1	66.0	6 600*	52.1	70.6	8 300	34.0
35.0													18.1	63.3	6 000*	47.9	69.7	7 700	35.0
36.0																43.3	68.7	7 000	36.0
37.0																38.3	67.4	6 400	37.0
38.0																32.5	65.9	5 800	38.0
39.0																25.6	63.9	5 200	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

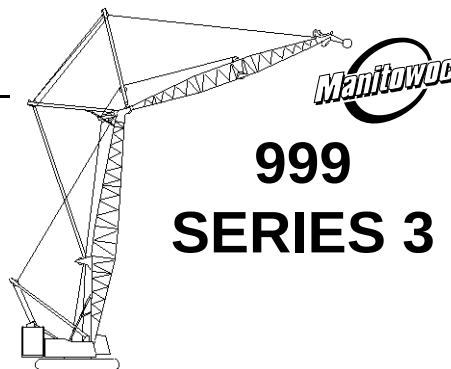
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	75.1	80.7	26 100*															10.7	
11.0	74.2	80.6	26 100*															11.0	
12.0	71.3	80.2	25 800*															12.0	
13.0	68.4	79.8	23 400*															13.0	
14.0	65.4	79.4	19 200*	71.4	80.1	25 300*												14.0	
15.0	62.4	78.8	16 600*	68.5	79.7	22 600*												15.0	
16.0	59.2	78.2	14 600*	65.5	79.2	19 700*												16.0	
17.0	56.0	77.6	13 000*	62.4	78.7	16 900*												17.0	
18.0	52.6	76.8	11 500*	59.3	78.1	14 800*												18.0	
19.0	49.0	75.9	10 300*	56.0	77.4	13 100*	65.5	78.9	20 000*									19.0	
20.0	45.2	74.9	9 300*	52.6	76.7	11 700*	62.5	78.4	17 200*									20.0	
21.0	41.1	73.8	8 400*	49.1	75.8	10 500*	59.3	77.8	15 100*									21.0	
22.0	36.6	72.5	7 600*	45.3	74.8	9 400*	56.1	77.1	13 300*	65.5	78.4	20 300*						22.0	
23.0	31.6	70.9	6 900*	41.2	73.7	8 500*	52.7	76.4	11 900*	62.5	77.9	17 400*						23.0	
24.0	25.6	68.9	6 300*	36.7	72.4	7 700*	49.1	75.5	10 600*	59.3	77.3	15 200*						24.0	
25.0				31.7	70.8	7 000*	45.3	74.5	9 600*	56.1	76.6	13 500*						25.0	
26.0				25.7	68.8	6 400*	41.2	73.4	8 700*	52.7	75.9	12 000*						26.0	
27.0				17.9	66.1	5 900*	36.8	72.1	7 800*	49.1	75.0	10 800*						27.0	
28.0							31.8	70.5	7 100*	45.3	74.0	9 700*						28.0	
29.0							25.8	68.5	6 500*	41.2	72.9	8 800*	59.1	76.1	13 700			29.0	
30.0							18.0	65.8	6 000*	36.8	71.6	8 000*	55.8	75.4	12 900			30.0	
31.0										31.7	70.0	7 200*	52.4	74.7	11 900			31.0	
32.0										25.8	68.0	6 600*	48.8	73.8	10 900			32.0	
33.0													45.0	72.8	9 800*			33.0	
34.0													40.9	71.6	8 900*			34.0	
35.0													36.4	70.3	8 000*			35.0	
36.0													31.3	68.7	7 300*	51.7	72.9	6 800	36.0
37.0													25.2	66.7	6 700*	48.0	72.0	6 200	37.0
38.0													17.1	63.9	6 100*	44.2	71.0	5 600	38.0
39.0																40.0	69.8	5 100	39.0
40.0																35.4	68.4	4 600	40.0
42.0																23.9	64.7	3 600	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

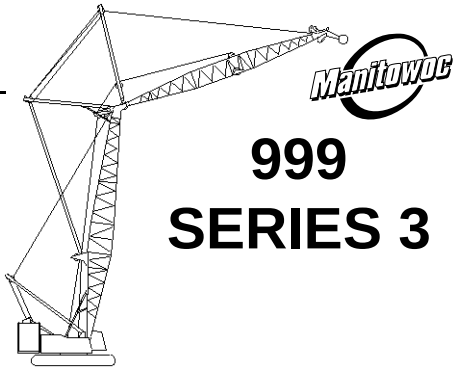
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.3	83.4	26 100*																12.2
13.0	71.3	83.1	25 100*																13.0
14.0	68.7	82.7	23 600*																14.0
15.0	66.1	82.3	20 600*																15.0
16.0	63.5	81.8	17 800*	68.8	82.6	23 700*													16.0
17.0	60.8	81.2	15 800*	66.2	82.1	20 500*													17.0
18.0	58.0	80.6	14 200*	63.5	81.6	18 100*													18.0
19.0	55.1	79.9	12 700*	60.8	81.1	16 000*	68.8	82.3	23 900*										19.0
20.0	52.1	79.1	11 500*	58.0	80.5	14 300*	66.2	81.8	20 900*										20.0
21.0	49.0	78.2	10 500*	55.2	79.8	12 900*	63.6	81.3	18 400*										21.0
22.0	45.7	77.3	9 500*	52.2	79.0	11 700*	60.9	80.8	16 300*										22.0
23.0	42.2	76.2	8 700*	49.0	78.1	10 600*	58.1	80.1	14 600*	66.2	81.3	21 100*							23.0
24.0	38.4	74.9	8 000*	45.8	77.1	9 700*	55.2	79.4	13 100*	63.6	80.8	18 700*							24.0
25.0	34.3	73.5	7 400*	42.3	76.0	8 800*	52.2	78.7	11 800*	60.8	80.3	16 500*							25.0
26.0	29.6	71.8	6 700*	38.5	74.8	8 100*	49.1	77.8	10 800*	58.1	79.6	14 800*							26.0
27.0	24.1	69.7	6 200*	34.4	73.4	7 400*	45.8	76.8	9 800*	55.2	78.9	13 300*							27.0
28.0				29.7	71.7	6 800*	42.3	75.7	9 000*	52.2	78.2	12 000*							28.0
29.0				24.2	69.6	6 300*	38.6	74.5	8 200*	49.1	77.3	10 900*							29.0
30.0				17.0	66.7	5 900*	34.4	73.1	7 500*	45.8	76.3	9 900*							30.0
31.0				29.8	71.4	7 000*	42.3	75.2	9 100*	57.8	78.4	12 000							31.0
32.0							24.3	69.3	6 400*	38.5	74.0	8 300*	54.9	77.7	11 200				32.0
33.0							17.1	66.4	6 000*	34.4	72.6	7 700*	51.9	77.0	10 500				33.0
34.0										29.8	70.9	7 100*	48.8	76.1	9 800				34.0
35.0										24.3	68.8	6 500*	45.5	75.1	9 100				35.0
36.0													42.0	74.0	8 500				36.0
37.0													38.2	72.7	7 900	54.4	76.0	6 300	37.0
38.0													34.1	71.3	7 300	51.3	75.2	5 700	38.0
39.0													29.4	69.6	6 800	48.2	74.3	5 200	39.0
40.0													23.8	67.4	6 300	44.8	73.3	4 700	40.0
42.0																37.4	70.9	3 800	42.0
44.0																28.3	67.6	3 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

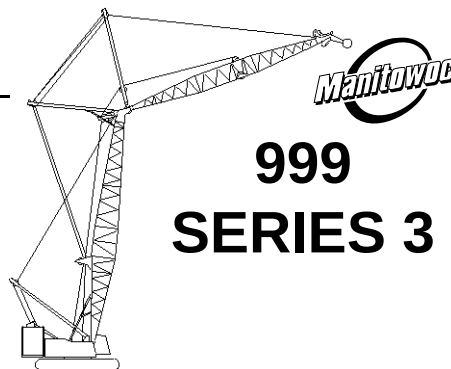
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.2	86.6	26 100*															12.2	
13.0	73.4	86.3	26 100*															13.0	
14.0	71.2	86.0	25 700*															14.0	
15.0	69.0	85.6	24 600*															15.0	
16.0	66.7	85.2	22 700*	71.2	85.9	26 100*												16.0	
17.0	64.3	84.7	20 000*	69.0	85.5	25 400*												17.0	
18.0	62.0	84.1	18 100*	66.7	85.0	22 800*												18.0	
19.0	59.5	83.5	16 500*	64.4	84.6	20 400*												19.0	
20.0	57.0	82.9	15 000*	62.0	84.0	18 400*	69.0	85.2	25 600*									20.0	
21.0	54.4	82.2	13 600*	59.6	83.4	16 700*	66.7	84.7	23 200*									21.0	
22.0	51.8	81.4	12 400*	57.1	82.8	15 200*	64.4	84.2	20 900*									22.0	
23.0	49.0	80.5	11 400*	54.5	82.1	13 800*	62.0	83.7	18 800*									23.0	
24.0	46.1	79.6	10 500*	51.8	81.3	12 600*	59.6	83.1	17 000*									24.0	
25.0	43.0	78.5	9 700*	49.0	80.4	11 600*	57.1	82.5	15 500*	64.4	83.8	19 900						25.0	
26.0	39.8	77.3	8 900*	46.1	79.5	10 600*	54.5	81.7	14 100*	62.0	83.2	18 600						26.0	
27.0	36.2	76.0	8 200*	43.1	78.4	9 800*	51.9	81.0	12 900*	59.6	82.6	17 200						27.0	
28.0	32.4	74.4	7 600*	39.8	77.2	9 100*	49.1	80.1	11 800*	57.1	82.0	15 700*						28.0	
29.0	28.0	72.6	7 100*	36.3	75.9	8 400*	46.2	79.1	10 800*	54.5	81.3	14 200*						29.0	
30.0	22.9	70.4	6 600*	32.5	74.3	7 700*	43.1	78.1	10 000*	51.8	80.5	13 000*						30.0	
31.0				28.1	72.5	7 200*	39.9	76.9	9 200*	49.1	79.6	12 000*						31.0	
32.0				23.0	70.3	6 700*	36.4	75.6	8 500*	46.2	78.6	11 000*	59.4	81.4	10 800			32.0	
33.0				16.3	67.3	6 200*	32.5	74.0	7 900*	43.1	77.6	10 100*	56.9	80.8	10 100			33.0	
34.0							28.2	72.2	7 300*	39.8	76.4	9 300*	54.3	80.0	9 400			34.0	
35.0							23.1	70.0	6 800*	36.3	75.1	8 600*	51.6	79.3	8 800			35.0	
36.0							16.4	67.0	6 400*	32.5	73.5	8 000*	48.8	78.4	8 200			36.0	
37.0										28.2	71.7	7 500*	45.9	77.4	7 600			37.0	
38.0										23.0	69.5	6 900*	42.8	76.3	7 100			38.0	
39.0													39.6	75.1	6 500	53.8	78.3	39.0	
40.0													36.0	73.8	6 000	51.1	77.5	40.0	
42.0													27.8	70.4	5 100	45.3	75.6	42.0	
44.0													15.7	65.0	4 300	38.9	73.3	44.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	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	19 500*				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	17 200*				24.0
25.0	34.3	73.5	6 700*	42.3	76.0	8 100*	52.2	78.7	10 900*	60.8	80.3	15 200*				25.0
26.0	29.6	71.8	6 200*	38.5	74.8	7 400*	49.1	77.8	9 900*	58.1	79.6	13 600*				26.0
27.0	24.1	69.7	5 700*	34.4	73.4	6 800*	45.8	76.8	9 000*	55.2	78.9	12 200*				27.0
28.0				29.7	71.7	6 300*	42.3	75.7	8 300*	52.2	78.2	11 100*				28.0
29.0				24.2	69.6	5 800*	38.6	74.5	7 600*	49.1	77.3	10 100*				29.0
30.0				17.0	66.7	5 400*	34.4	73.1	6 900*	45.8	76.3	9 200*				30.0
31.0							29.8	71.4	6 400*	42.3	75.2	8 400*	57.8	78.4	10 200	31.0
32.0							24.3	69.3	5 900*	38.5	74.0	7 700*	54.9	77.7	9 300	32.0
33.0							17.1	66.4	5 500*	34.4	72.6	7 000*	51.9	77.0	8 600	33.0
34.0										29.8	70.9	6 500*	48.8	76.1	7 800	34.0
35.0										24.3	68.8	6 000*	45.5	75.1	7 200	35.0
36.0													42.0	74.0	6 500	36.0
37.0													38.2	72.7	5 900	37.0
38.0													34.1	71.3	5 300	38.0
39.0													29.4	69.6	4 700	39.0
40.0													23.8	67.4	4 200	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

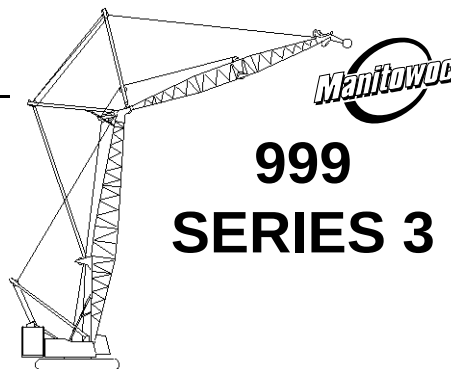
Luffing Jib No. 149 On
Boom No. 82
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.2	86.6	26 100*													12.2
13.0	73.4	86.3	25 900*													13.0
14.0	71.2	86.0	25 400*													14.0
15.0	69.0	85.6	23 600*													15.0
16.0	66.7	85.2	21 300*	71.2	85.9	25 400*										16.0
17.0	64.3	84.7	18 700*	69.0	85.5	24 300*										17.0
18.0	62.0	84.1	16 700*	66.7	85.0	21 600*										18.0
19.0	59.5	83.5	15 100*	64.4	84.6	18 900*										19.0
20.0	57.0	82.9	13 700*	62.0	84.0	17 000*	69.0	85.2	24 300*							20.0
21.0	54.4	82.2	12 400*	59.6	83.4	15 300*	66.7	84.7	21 600*							21.0
22.0	51.8	81.4	11 300*	57.1	82.8	13 800*	64.4	84.2	19 200*							22.0
23.0	49.0	80.5	10 300*	54.5	82.1	12 600*	62.0	83.7	17 200*							23.0
24.0	46.1	79.6	9 500*	51.8	81.3	11 500*	59.6	83.1	15 600*							24.0
25.0	43.0	78.5	8 700*	49.0	80.4	10 500*	57.1	82.5	14 100*	64.4	83.8	18 000				25.0
26.0	39.8	77.3	8 100*	46.1	79.5	9 700*	54.5	81.7	12 900*	62.0	83.2	16 800				26.0
27.0	36.2	76.0	7 400*	43.1	78.4	8 900*	51.9	81.0	11 700*	59.6	82.6	15 600				27.0
28.0	32.4	74.4	6 900*	39.8	77.2	8 200*	49.1	80.1	10 700*	57.1	82.0	14 400*				28.0
29.0	28.0	72.6	6 400*	36.3	75.9	7 600*	46.2	79.1	9 900*	54.5	81.3	13 000*				29.0
30.0	22.9	70.4	6 000*	32.5	74.3	7 000*	43.1	78.1	9 100*	51.8	80.5	11 900*				30.0
31.0				28.1	72.5	6 500*	39.9	76.9	8 400*	49.1	79.6	10 900*				31.0
32.0				23.0	70.3	6 000*	36.4	75.6	7 800*	46.2	78.6	10 000*	59.4	81.4	9 100	32.0
33.0				16.3	67.3	5 600*	32.5	74.0	7 200*	43.1	77.6	9 200*	56.9	80.8	8 300	33.0
34.0							28.2	72.2	6 700*	39.8	76.4	8 500*	54.3	80.0	7 600	34.0
35.0							23.1	70.0	6 200*	36.3	75.1	7 900*	51.6	79.3	6 900	35.0
36.0							16.4	67.0	5 800*	32.5	73.5	7 300*	48.8	78.4	6 300	36.0
37.0										28.2	71.7	6 800*	45.9	77.4	5 700	37.0
38.0										23.0	69.5	6 300*	42.8	76.3	5 100	38.0
39.0													39.6	75.1	4 600	39.0
40.0													36.0	73.8	4 100	40.0
42.0													27.8	70.4	3 100	42.0
44.0													15.7	65.0	2 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.3	83.4	26 100*													12.2
13.0	71.3	83.1	23 200*													13.0
14.0	68.7	82.7	19 800*													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	8 000*	52.2	79.0	9 900*	60.9	80.8	13 900*							22.0
23.0	42.2	76.2	7 300*	49.0	78.1	9 000*	58.1	80.1	12 500*	66.2	81.3	18 000*				23.0
24.0	38.4	74.9	6 700*	45.8	77.1	8 200*	55.2	79.4	11 200*	63.6	80.8	15 900*				24.0
25.0	34.3	73.5	6 100*	42.3	76.0	7 500*	52.2	78.7	10 100*	60.8	80.3	14 100*				25.0
26.0	29.6	71.8	5 700*	38.5	74.8	6 800*	49.1	77.8	9 200*	58.1	79.6	12 600*				26.0
27.0	24.1	69.7	5 200*	34.4	73.4	6 300*	45.8	76.8	8 300*	55.2	78.9	11 300*				27.0
28.0				29.7	71.7	5 700*	42.3	75.7	7 600*	52.2	78.2	10 200*				28.0
29.0				24.2	69.6	5 300*	38.6	74.5	7 000*	49.1	77.3	9 300*				29.0
30.0				17.0	66.7	4 900*	34.4	73.1	6 400*	45.8	76.3	8 500*				30.0
31.0							29.8	71.4	5 900*	42.3	75.2	7 700*	57.8	78.4	8 500	31.0
32.0							24.3	69.3	5 400*	38.5	74.0	7 100*	54.9	77.7	7 600	32.0
33.0							17.1	66.4	5 000*	34.4	72.6	6 500*	51.9	77.0	6 800	33.0
34.0										29.8	70.9	6 000*	48.8	76.1	6 000	34.0
35.0										24.3	68.8	5 500*	45.5	75.1	5 300	35.0
36.0													42.0	74.0	4 600	36.0
37.0													38.2	72.7	4 000	37.0
38.0													34.1	71.3	3 400	38.0
39.0													29.4	69.6	2 800	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

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

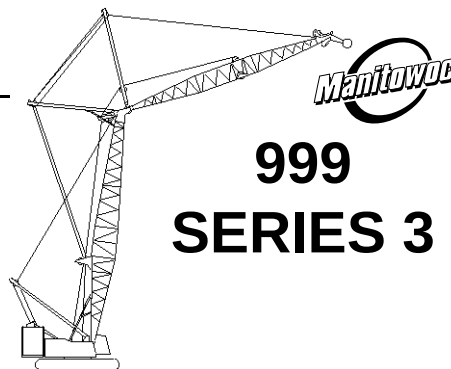
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 3**

61.0m (200 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	54.7	72.9	16 700 *b																
13.0	49.7	72.2	14 800*																
14.0	42.8	71.1	12 500*																
15.0	34.6	69.7	10 900*																
16.0																			
17.0				43.7	71.1	13 100*													
18.0				35.7	69.8	11 200*													
19.0				25.4	67.8	9 800*													
20.0							44.9	71.0	13 800*										
21.0							37.2	69.7	11 700*										
22.0							27.5	67.9	10 200*										
23.0										46.0	70.6	14 500*							
24.0										38.5	69.4	12 300*							
25.0										29.2	67.7	10 600*							
26.0													53.6	70.5	18 500*				
27.0													47.2	69.6	15 500*				
28.0													39.9	68.4	13 000*				
29.0																			
30.0																			
31.0																54.0	68.9	13 500 b	31.0
32.0																47.6	68.0	12 700	32.0
33.0																40.3	66.9	12 000	33.0
34.0																31.6	65.3	11 200	34.0
35.0																19.0	62.9	10 300	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

Luffing Jib No. 149 On

Boom No. 82

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

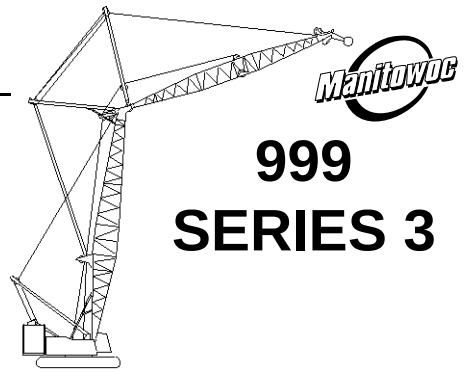
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 61.0m Luffing Jib

5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall					
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	Elev. m	Capacity Kilograms		
12.2	54.7	72.9	14 000*															12.2	
13.0	49.7	72.2	12 300*															13.0	
14.0	42.8	71.1	10 400*	56.6	73.0	15 300*												14.0	
15.0	34.6	69.7	8 900*	50.5	72.2	12 700*												15.0	
16.0				43.7	71.1	10 700*												16.0	
17.0				35.7	69.8	9 200*	57.6	72.8	16 300* b									17.0	
18.0				25.4	67.8	8 000*	51.6	72.0	13 500*									18.0	
19.0							44.9	71.0	11 200*									19.0	
20.0							37.2	69.7	9 700*	58.5	72.4	17 400* b						20.0	
21.0							27.5	67.9	8 400*	52.5	71.6	14 300*						21.0	
22.0										46.0	70.6	11 700*						22.0	
23.0										38.5	69.4	10 100*						23.0	
24.0										29.2	67.7	8 700*						24.0	
25.0													59.5	71.3	19 000 b			25.0	
26.0													53.6	70.5	15 200*			26.0	
27.0													47.2	69.6	12 500*			27.0	
28.0													39.9	68.4	10 600*			28.0	
29.0																		29.0	
30.0																		30.0	
31.0																54.0	68.9	12 500	
32.0																47.6	68.0	11 700	
33.0																40.3	66.9	10 800	
34.0																31.6	65.3	9 700*	
35.0																19.0	62.9	8 400*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	54.7	72.9	12 300*															12.2	
13.0	49.7	72.2	10 800*															13.0	
14.0	42.8	71.1	9 000*	56.6	73.0	13 500*												14.0	
15.0	34.6	69.7	7 800*	50.5	72.2	11 200*												15.0	
16.0				43.7	71.1	9 300*												16.0	
17.0				35.7	69.8	8 000*	57.6	72.8	14 300*									17.0	
18.0				25.4	67.8	7 000*	51.6	72.0	11 800*									18.0	
19.0							44.9	71.0	9 800*	64.1	73.0	20 100*b						19.0	
20.0							37.2	69.7	8 400*	58.5	72.4	15 100*						20.0	
21.0							27.5	67.9	7 300*	52.5	71.6	12 200*						21.0	
22.0										46.0	70.6	10 200*						22.0	
23.0										38.5	69.4	8 800*						23.0	
24.0										29.2	67.7	7 500*						24.0	
25.0													59.5	71.3	17 100*b			25.0	
26.0													53.6	70.5	13 300*			26.0	
27.0													47.2	69.6	10 900*			27.0	
28.0													39.9	68.4	9 300*			28.0	
29.0																		29.0	
30.0																		30.0	
31.0																54.0	68.9	11 800	
32.0																47.6	68.0	10 900	
33.0																40.3	66.9	9 700	
34.0																31.6	65.3	8 300*	
35.0																19.0	62.9	7 200*	



Liftcrane Luffing Jib Intermediate Fall Capacities

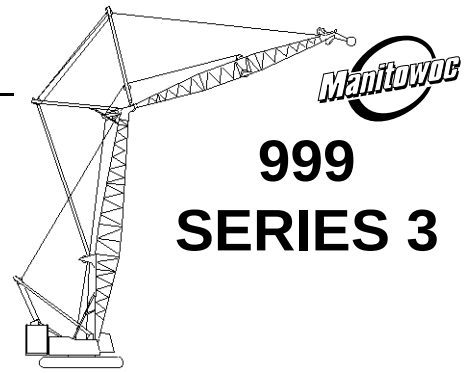
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	62.8	76.5	18 000*															12.2	
13.0	59.2	76.0	15 800*															13.0	
14.0	54.5	75.3	13 300*	64.1	76.6	19 800*												14.0	
15.0	49.5	74.5	11 500*	59.7	76.0	16 400*												15.0	
16.0	44.1	73.4	10 000*	55.1	75.3	13 700*												16.0	
17.0	38.1	72.2	8 800*	50.2	74.4	11 800*	64.9	76.3	21 200*									17.0	
18.0	30.9	70.6	7 800*	44.8	73.4	10 300*	60.5	75.8	17 500*									18.0	
19.0				38.9	72.2	9 100*	55.9	75.1	14 400*									19.0	
20.0				31.9	70.7	8 000*	51.1	74.3	12 400*	65.5	75.9	22 700*						20.0	
21.0				22.9	68.5	7 100*	45.8	73.3	10 700*	61.2	75.3	18 500*						21.0	
22.0							39.9	72.1	9 400*	56.6	74.7	15 200*						22.0	
23.0							33.2	70.6	8 400*	51.8	73.9	13 000*						23.0	
24.0							24.7	68.6	7 400*	46.6	72.9	11 200*						24.0	
25.0										40.9	71.8	9 800*						25.0	
26.0										34.3	70.4	8 600*	62.0	74.2	18 200			26.0	
27.0										26.2	68.5	7 700*	57.5	73.6	16 100			27.0	
28.0													52.7	72.8	14 000*			28.0	
29.0													47.6	71.9	11 900*			29.0	
30.0													42.0	70.8	10 300*			30.0	
31.0													35.6	69.5	9 100*			31.0	
32.0													27.8	67.7	8 000*	57.7	72.0	32.0	
33.0																53.0	71.2	33.0	
34.0																47.9	70.3	34.0	
35.0																42.3	69.2	35.0	
36.0																35.9	67.9	36.0	
37.0																28.3	66.1	37.0	
38.0																17.4	63.4	38.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	63.5	73.9	15 500* b															10.7	
11.0	61.6	73.7	14 600* b															11.0	
12.0	55.9	73.0	11 900*															12.0	
13.0	49.7	72.2	9 800*	62.3	73.6	15 400*												13.0	
14.0	42.8	71.1	8 500*	56.6	73.0	12 200*												14.0	
15.0	34.6	69.7	7 300*	50.5	72.2	10 200*												15.0	
16.0				43.7	71.1	8 700*	63.3	73.4	16 500* b									16.0	
17.0				35.7	69.8	7 500*	57.6	72.8	12 900*									17.0	
18.0				25.4	67.8	6 600*	51.6	72.0	10 600*									18.0	
19.0							44.9	71.0	9 000*	64.1	73.0	17 600*						19.0	
20.0							37.2	69.7	7 800*	58.5	72.4	13 500*						20.0	
21.0							27.5	67.9	6 800*	52.5	71.6	11 100*						21.0	
22.0										46.0	70.6	9 400*						22.0	
23.0										38.5	69.4	8 100*						23.0	
24.0										29.2	67.7	7 000*						24.0	
25.0													59.5	71.3	14 900*			25.0	
26.0													53.6	70.5	11 800*			26.0	
27.0													47.2	69.6	9 900*			27.0	
28.0													39.9	68.4	8 500*			28.0	
29.0																		29.0	
30.0																		30.0	
31.0																54.0	68.9	10 100	
32.0																47.6	68.0	9 200	
33.0																40.3	66.9	8 400	
34.0																31.6	65.3	7 500	
35.0																19.0	62.9	6 600	



Liftcrane Luffing Jib Intermediate Fall Capacities

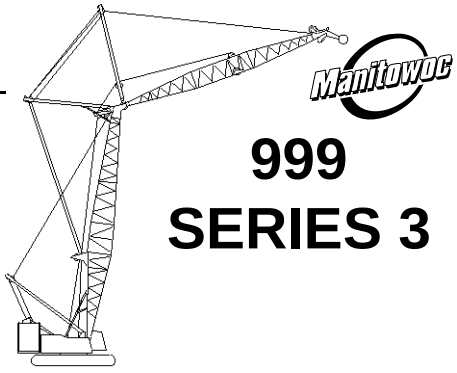
**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
10.7	69.2	77.3	21 700*b	68.3	77.1	21 700*													
11.0	67.8	77.1	20 400*b																
12.0	63.6	76.6	16 600*																
13.0	59.2	76.0	13 700*																
14.0	54.5	75.3	11 700*																
15.0	49.5	74.5	10 100*	59.7	76.0	14 200*	64.9	76.3	18 300*										
16.0	44.1	73.4	8 800*	55.1	75.3	12 100*													
17.0	38.1	72.2	7 800*	50.2	74.4	10 400*													
18.0	30.9	70.6	6 900*	44.8	73.4	9 100*													
19.0				38.9	72.2	8 000*													
20.0				31.9	70.7	7 100*	51.1	74.3	10 900*	65.5	75.9	19 200*							
21.0				22.9	68.5	6 300*	45.8	73.3	9 400*	61.2	75.3	15 900*							
22.0							39.9	72.1	8 300*	56.6	74.7	13 100*							
23.0							33.2	70.6	7 400*	51.8	73.9	11 300*							
24.0							24.7	68.6	6 500*	46.6	72.9	9 800*							
25.0										40.9	71.8	8 600*	62.0	74.2	16 500				
26.0										34.3	70.4	7 600*							
27.0										26.2	68.5	6 700*							
28.0																			
29.0																			
30.0													42.0	70.8	8 900*		72.0	9 100	
31.0													35.6	69.5	7 900*				
32.0													27.8	67.7	7 000*				
33.0																			
34.0																			
35.0																42.3	69.2	6 900	35.0
36.0																35.9	67.9	6 200	36.0
37.0																28.3	66.1	5 600	37.0
38.0																17.4	63.4	5 000	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 3**

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

Maximum Operating Wind Speeds
(all boom lengths)

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

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.9	80.6	26 100*b																10.7
11.0	71.7	80.4	24 800*b																11.0
12.0	68.3	80.0	21 000*																12.0
13.0	64.9	79.6	17 600*																13.0
14.0	61.3	79.0	15 000*	68.8	80.0	22 000*													14.0
15.0	57.5	78.4	12 900*	65.3	79.5	18 300*													15.0
16.0	53.6	77.6	11 300*	61.7	78.9	15 400*													16.0
17.0	49.4	76.8	10 000*	58.0	78.3	13 300*	69.4	79.7	23 300*										17.0
18.0	45.0	75.8	8 900*	54.1	77.6	11 600*	65.9	79.2	19 300*										18.0
19.0	40.2	74.6	7 900*	50.0	76.7	10 200*	62.3	78.7	16 100*										19.0
20.0	34.7	73.2	7 100*	45.6	75.8	9 100*	58.6	78.1	13 900*										20.0
21.0	28.3	71.4	6 400*	40.8	74.6	8 100*	54.8	77.4	12 100*										21.0
22.0				35.4	73.3	7 300*	50.7	76.6	10 600*	62.9	78.3	17 000*							22.0
23.0				29.2	71.5	6 600*	46.4	75.6	9 400*	59.2	77.7	14 400*							23.0
24.0				21.1	69.2	5 900*	41.6	74.5	8 400*	55.4	77.0	12 500*							24.0
25.0							36.4	73.2	7 500*	51.3	76.2	11 000*							25.0
26.0							30.3	71.5	6 800*	47.0	75.3	9 700*							26.0
27.0							22.7	69.3	6 100*	42.4	74.2	8 700*							27.0
28.0										37.2	72.9	7 800*	59.9	76.6	14 300				28.0
29.0										31.3	71.3	7 000*	56.1	75.9	13 100*				29.0
30.0										24.0	69.2	6 300*	52.1	75.1	11 600*				30.0
31.0													47.8	74.2	10 200*				31.0
32.0													43.2	73.2	9 000*				32.0
33.0													38.2	71.9	8 100*				33.0
34.0													32.5	70.4	7 200*				34.0
35.0													25.5	68.4	6 500*				35.0
36.0																48.1	72.6	6 300	36.0
37.0																43.5	71.6	5 700	37.0
38.0																38.5	70.3	5 200	38.0
39.0																32.8	68.8	4 600	39.0
40.0																25.9	66.9	4 100	40.0