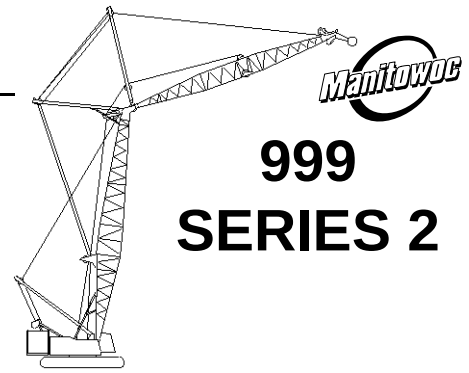




Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

**999
SERIES 2**

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

Consult chart **No. 8418-AM** for luffing jib capacities. Consult chart **No. 8363-AM** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8369-AM** for intermediate fall capacities with fixed jib attached.

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

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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



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SERIES 2**

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	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	56.2	36.5	16 400*	61.1	37.0	19 200*b															
11.0	54.2	36.2	15 700*	59.2	36.8	18 200*b															
12.0	47.9	35.3	13 400*	53.3	36.1	15 300*															
13.0	40.7	34.2	11 500*	46.8	35.1	12 900*													54.9	36.1	16 100*
14.0				39.5	33.9	11 300*													48.6	35.2	13 500*
15.0				30.5	32.3	9 900*	41.5	34.1	11 700*	50.3	35.3	14 200*	56.8	35.6	17 100*b						
16.0							33.1	32.7	10 300*	43.5	34.2	12 100*									
17.0										35.5	32.9	10 600*							50.7	34.8	14 300*
18.0										25.1	30.9	9 300*							43.9	33.8	12 300*
19.0																			36.0	32.4	10 700*
20.0																	44.0	33.1	12 400*		
21.0																	36.1	31.8	10 800*		



Liftcrane Luffing Jib Intermediate Fall Capacities

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SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	64.8	37.5	18 500* b																					
10.0	60.1	37.0	15 800*																					
11.0	54.2	36.2	12 900*																59.2	36.8	15 300*	66.2	37.4	20 100* b
12.0	47.9	35.3	11 000*																53.3	36.1	12 700*	60.7	36.8	16 100*
13.0	40.7	34.2	9 500*																46.8	35.1	10 700*	54.9	36.1	13 200*
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*	19.0					
20.0																44.0	33.1	10 300*	20.0					
21.0																36.1	31.8	8 900*	21.0					

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		
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



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	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	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
7.6	72.7	38.2	22 800*b																
8.0	70.8	38.0	21 000*b																
9.0	65.6	37.6	16 100*																
10.0	60.1	37.0	12 700*																
11.0	54.2	36.2	10 700*																
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*							
13.0	40.7	34.2	7 900*	46.8	35.1	8 900*	54.9	36.1	10 900*										
14.0				39.5	33.9	7 700*	48.6	35.2	9 300*										
15.0				30.5	32.3	6 700*	41.5	34.1	8 000*										
16.0							33.1	32.7	7 000*										
17.0										35.5	32.9	7 200*	50.7	34.8	9 800*				
18.0										25.1	30.9	6 300*	43.9	33.8	8 400*				
19.0													36.0	32.4	7 300*				
20.0																			
21.0																			



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*	20.0
21.0										22.6	31.6	6 100*	39.1	34.9	7 800*	50.4	36.4	10 200*	21.0
22.0													32.2	33.4	6 900*	45.1	35.4	8 900*	22.0
23.0																39.2	34.2	7 900*	23.0
24.0																32.3	32.7	7 000*	24.0

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 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	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	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

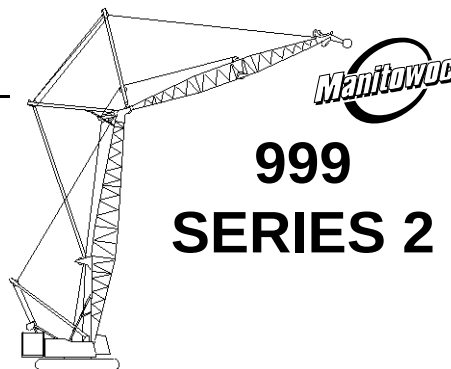
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	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*	23.0
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*	24.0
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*	25.0
26.0										26.9	35.4	6 600*	37.9	38.4	8 000*	46.3	40.0	9 700*	26.0
27.0										19.6	32.9	6 000*	33.0	36.9	7 300*	42.3	39.0	8 800*	27.0
28.0													27.3	35.0	6 600*	37.9	37.7	8 000*	28.0
29.0																33.1	36.2	7 300*	29.0
30.0																27.4	34.4	6 700*	30.0



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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	
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*	
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*	
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*	
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*	
29.0										25.3	36.2	6 500*	35.4	39.4	7 700*	43.2	41.3	9 200*	
30.0										18.6	33.5	6 000*	30.9	37.8	7 100*	39.5	40.1	8 400*	
31.0													25.7	35.8	6 600*	35.5	38.7	7 800*	
32.0													19.1	33.2	6 100*	31.0	37.1	7 200*	
33.0																25.8	35.1	6 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

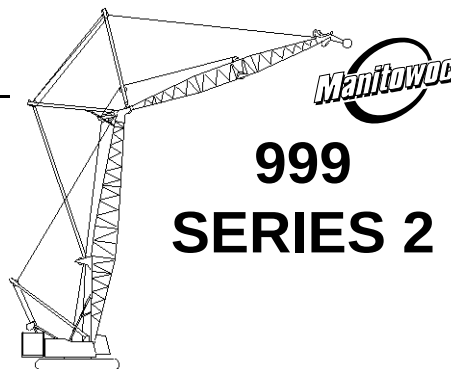
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	
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*	58.7	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*	
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*	
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*	
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*	
29.0										25.3	36.2	6 000*	35.4	39.4	7 100*	43.2	41.3	8 500*	
30.0										18.6	33.5	5 600*	30.9	37.8	6 600*	39.5	40.1	7 800*	
31.0													25.7	35.8	6 100*	35.5	38.7	7 200*	
32.0													19.1	33.2	5 600*	31.0	37.1	6 600*	
33.0																25.8	35.1	6 100*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

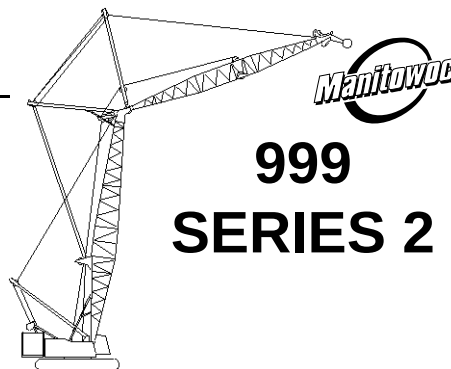
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*	
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*	
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*	
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*	
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*	
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*	
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*	
33.0										17.8	34.1	5 900*	29.3	38.6	6 900*	37.2	41.2	8 100*	
34.0													24.4	36.5	6 400*	33.5	39.7	7 500*	
35.0													18.2	33.8	6 000*	29.3	38.0	7 000*	
36.0																24.4	35.9	6 500	



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	7 800*	29.0
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 2**

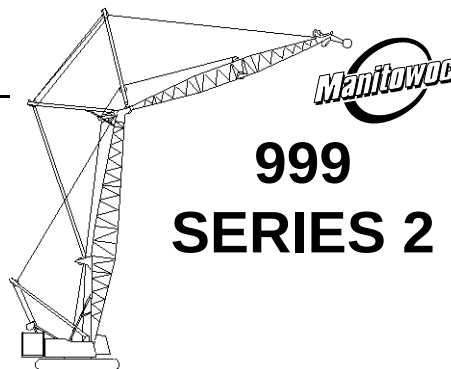
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*	
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*	
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*	
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*	
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*	
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	
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	
33.0										17.8	34.1	5 400*	29.3	38.6	6 400*	37.2	41.2	7 200	
34.0													24.4	36.5	5 900*	33.5	39.7	6 300	
35.0													18.2	33.8	5 500*	29.3	38.0	5 500	
36.0																24.4	35.9	4 700	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	10 800	
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	9 900	
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	9 000	
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	8 100	
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	7 300	
34.0							21.6	37.2	5 600*	27.6	39.9	6 200*	35.3	42.9	7 100	41.6	44.8	6 500	
35.0							15.2	33.9	5 300*	23.0	37.6	5 800*	31.8	41.3	6 300	38.6	43.6	5 800	
36.0										17.1	34.7	5 200*	27.9	39.5	5 600	35.4	42.2	5 100	
37.0													23.3	37.3	4 800	31.8	40.6	4 400	
38.0													17.5	34.4	4 100	27.9	38.8	3 800	
39.0																23.3	36.6	3 100	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

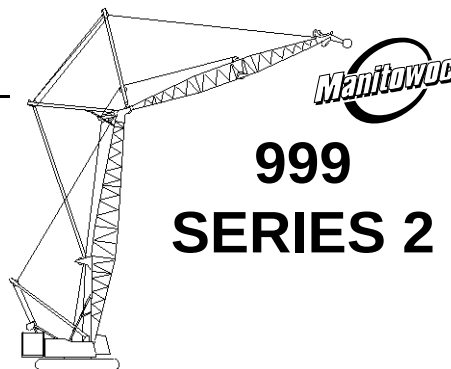
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	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	8 800	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	8 000	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	7 200	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	7 000	47.3	49.3	6 500	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	6 300	44.9	48.3	5 700	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	5 700	42.3	47.2	5 100	36.0
37.0							20.8	37.8	4 200*	26.4	40.7	4 800*	33.7	43.9	5 000	39.7	46.0	4 400	37.0
38.0							14.8	34.5	3 300*	22.1	38.3	4 400*	30.4	42.2	4 400	36.8	44.7	3 800	38.0
39.0										16.6	35.3	3 600*	26.7	40.3	3 800	33.8	43.2	3 300	39.0
40.0													22.4	38.0	3 200	30.4	41.5	2 700	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	11 400			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	10 400			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	9 500			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	8 700	55.6	54.9	8 000	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	7 900	53.6	54.1	7 300	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	7 100	51.6	53.3	6 500	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	6 400	49.6	52.5	5 800	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	6 400	42.9	50.2	5 800	47.4	51.6	5 100	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	5 800	40.5	49.0	5 100	45.2	50.6	4 500	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	4 500	42.9	49.5	4 000	38.0
39.0							24.4	41.1	3 400*	29.0	43.5	4 400*	35.3	46.4	4 000	40.5	48.4	3 400	39.0
40.0										25.4	41.4	3 600*	32.4	44.8	3 400	38.0	47.1	2 900	40.0
42.0													25.7	41.1	2 400				42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

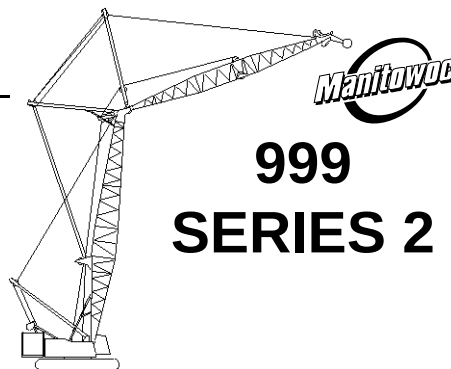
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	10 100			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	9 400			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	8 500			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	7 700			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	7 000	55.1	57.2	6 300	
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	6 300	53.3	56.4	5 700	
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	5 600	51.4	55.6	5 000	
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	5 000	49.5	54.8	4 400	
38.0	29.9	45.9	2 900*	32.3	47.3	3 500*	35.7	49.1	4 400*	38.8	50.6	5 100	43.4	52.5	4 400	47.6	53.9	3 800	
39.0	26.7	44.0	2 300*	29.4	45.6	2 800*	33.1	47.6	3 700*	36.3	49.3	4 500	41.2	51.4	3 900	45.5	52.9	3 300	
40.0							30.2	45.9	3 000*	33.7	47.8	3 900*	38.9	50.2	3 300	43.4	51.9	2 700	
42.0										27.9	44.3	2 500*	33.9	47.4	2 400			42.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*											
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	Ang. Deg.	Elev. m	Capacity Kilograms														
9.1	65.4	40.6	19 000*	60.4	40.0	16 000*																										
10.0	60.7	40.1	16 200*																57.1	39.4	14 500*	59.5	39.5	15 600*								9.1
11.0	54.9	39.4	13 200*																													10.0
12.0	48.6	38.5	11 200*																54.6	39.3	13 300*											11.0
13.0	41.5	37.4	9 600*																48.3	38.4	11 100*											12.0
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*	55.6	38.4	13 700*																	
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*											14.0									
16.0							36.5	36.3	8 900*	47.2	37.8	10 900*											15.0									
17.0										39.9	36.6	9 500*											16.0									
18.0										31.0	35.0	8 200*							49.4	37.5	11 700*			17.0								
19.0													42.4	36.5	9 900*	51.1	37.0	12 200*	18.0													
20.0													34.1	35.0	8 600*						20.0											
21.0													23.1	33.0	7 500*				44.3	36.0	10 500*											
22.0																			36.5	34.7	9 000*											



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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*		39.5	13 700*		38.4	12 100*		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*		38.4	12 100*		37.0	10 700*	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*							55.6	38.4	12 100*	17.0
18.0										31.0	35.0	7 100*							49.4	37.5	10 200*	18.0
19.0													42.4	36.5	8 600*				19.0			
20.0													34.1	35.0	7 500*	51.1	37.0	10 700*	20.0			
21.0													23.1	33.0	6 500*	44.3	36.0	9 100*	21.0			
22.0																36.5	34.7	7 800*	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	Ang. Deg.	Elev. m	Capacity Kilograms																																										
9.1	70.7	43.9	24 400*b	66.9	43.5	20 400*	64.5	43.0	18 400*	66.3	43.0	19 800*							9.1																																																
10.0	67.1	43.6	20 700*																	62.7	42.9	16 900*	58.2	42.3	14 100*	60.1	42.4	15 200*	62.0	42.4	16 500*				10.0																																
11.0	62.9	43.0	16 800*																																	53.7	41.7	12 300*	53.5	41.6	12 200*	60.1	42.4	15 200*	62.0	42.4	16 500*				11.0																
12.0	58.4	42.4	14 200*																																																	58.2	42.3	14 100*	53.5	41.6	12 200*	60.1	42.4	15 200*	62.0	42.4	16 500*				12.0
13.0	53.7	41.7	12 300*																																																																
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*					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*	50.6	39.3	11 500*		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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*	22.0
23.0													30.5	35.9	6 800*	45.3	38.3	9 000*	23.0
24.0													20.9	33.6	6 100*	39.4	37.1	7 900*	24.0
25.0																32.6	35.6	7 000*	25.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

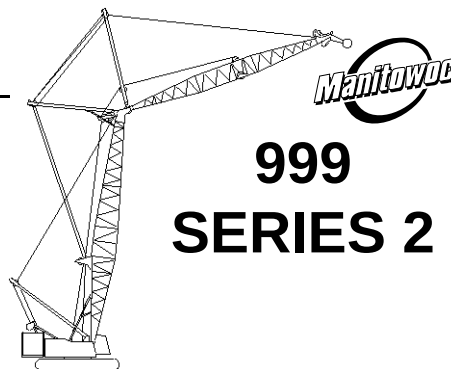
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	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*	23.0
24.0										25.5	36.6	6 200*	39.9	40.0	7 900*	50.4	41.6	10 200*	24.0
25.0													34.4	38.5	7 100*	46.0	40.6	9 000*	25.0
26.0													27.9	36.7	6 400*	41.2	39.5	8 100*	26.0
27.0													19.4	34.2	5 800*	35.9	38.2	7 300*	27.0
28.0																29.8	36.5	6 600*	28.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

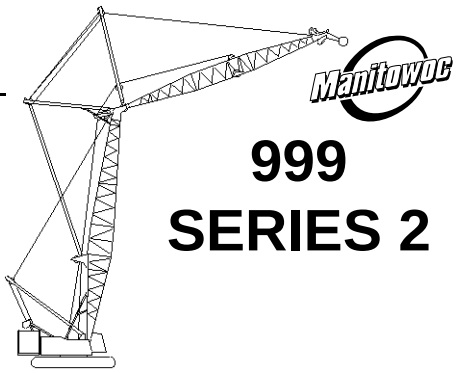
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 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

**999
SERIES 2**

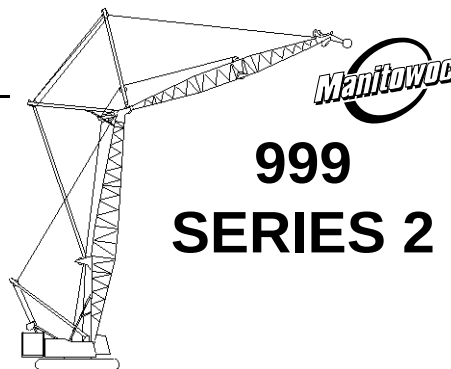
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

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

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

7 m/s with 36.6m thru 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 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	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 2**

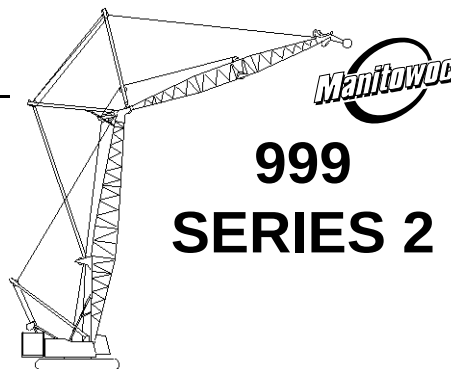
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

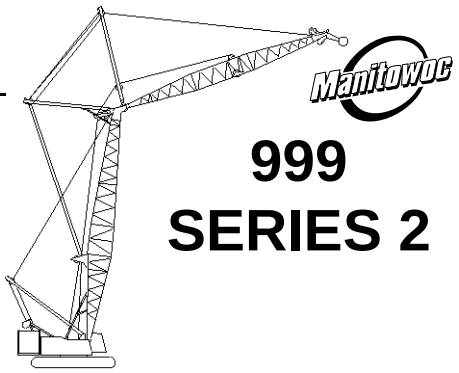
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 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 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	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*	
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*	
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*	
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	
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	
33.0										21.3	38.7	6 200*	32.6	43.0	7 300*	40.8	45.4	8 700	
34.0													28.3	41.2	6 800*	37.4	44.1	7 900	
35.0													23.2	39.0	6 400*	33.7	42.6	7 200	
36.0													16.6	36.0	5 900*	29.5	40.9	6 400	
37.0																24.7	38.8	5 700	
38.0																18.6	36.1	5 000	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

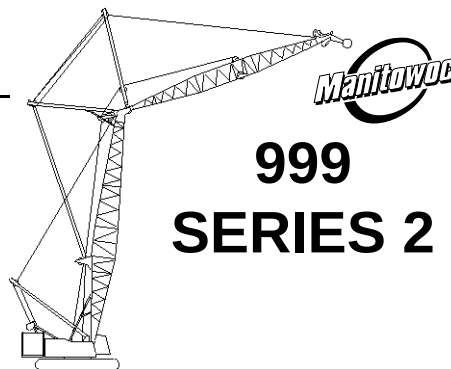
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	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	25 200*															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	5 600	
35.0																19.5	35.5	4 800	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	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	11 300	28.0
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	10 200	29.0
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	9 200	30.0
31.0							24.7	40.4	5 800*	31.3	43.0	6 500*	39.9	45.8	7 800*	47.0	47.6	8 300	31.0
32.0							18.6	37.7	5 400*	26.8	41.1	6 000*	36.4	44.5	7 300*	44.0	46.5	7 400	32.0
33.0										21.3	38.7	5 600*	32.6	43.0	6 700*	40.8	45.4	6 600	33.0
34.0													28.3	41.2	6 200	37.4	44.1	5 900	34.0
35.0													23.2	39.0	5 700	33.7	42.6	5 200	35.0
36.0													16.6	36.0	4 900	29.5	40.9	4 500	36.0
37.0																24.7	38.8	3 800	37.0
38.0																18.6	36.1	3 100	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

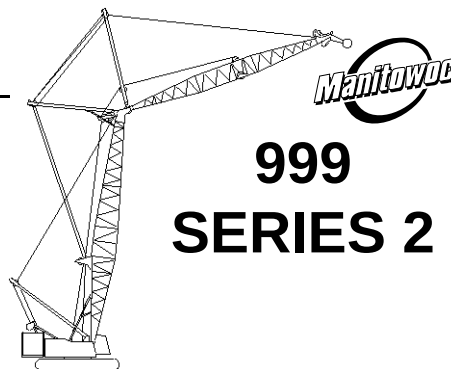
**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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	10 200	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	9 900	54.7	52.4	9 200	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	9 000	52.3	51.6	8 300	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	8 200	49.8	50.8	7 500	32.0
33.0				21.3	40.2	5 500*	28.1	43.3	6 100*	33.5	45.6	6 800*	41.0	48.2	7 400	47.2	49.9	6 700	33.0
34.0							23.5	41.2	5 800*	29.8	43.9	6 400*	37.9	46.9	6 600	44.5	48.9	6 000	34.0
35.0							17.9	38.3	5 400*	25.5	41.9	6 000*	34.6	45.5	5 900	41.7	47.8	5 200	35.0
36.0										20.4	39.4	5 600*	31.0	43.9	5 200	38.7	46.5	4 600	36.0
37.0													27.0	42.0	4 600	35.5	45.1	4 000	37.0
38.0													22.2	39.7	4 000	32.0	43.6	3 400	38.0
39.0													16.1	36.6	3 300	28.1	41.7	2 800	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	9 900			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	8 900	56.3	55.5	8 200	
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	8 100	54.2	54.7	7 300	
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	7 300	52.0	53.9	6 600	
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	6 600	49.7	53.1	5 900	
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	5 900	47.4	52.2	5 200	
36.0				20.5	40.9	4 200*	26.9	44.2	4 800*	32.0	46.5	5 400*	39.0	49.3	5 200	45.0	51.2	4 500	
37.0							22.6	41.9	4 400*	28.5	44.7	5 000*	36.2	48.0	4 600	42.4	50.1	3 900	
38.0							17.3	38.9	4 100*	24.5	42.6	4 600*	33.1	46.5	4 000	39.8	48.9	3 300	
39.0										19.7	40.0	4 100	29.6	44.8	3 400	36.9	47.6	2 800	
40.0													25.8	42.8	2 900				



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	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	11 800			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	10 800			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	9 900			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	9 000			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	8 200	57.6	58.5	7 400	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	8 100	51.2	56.8	7 400	55.7	57.8	6 600	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	7 400	49.1	55.9	6 600	53.7	57.0	5 900	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	6 700	47.0	55.0	6 000	51.7	56.2	5 200	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	6 000	44.7	54.0	5 300	49.7	55.4	4 600	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	5 400	42.4	52.9	4 700	47.5	54.5	4 000	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	4 800	40.0	51.7	4 100	45.3	53.5	3 400	38.0
39.0				19.8	41.5	4 000*	25.8	44.9	4 700	30.7	47.4	4 300	37.4	50.4	3 500	43.0	52.4	2 900	39.0
40.0							21.8	42.6	4 200	27.4	45.6	3 700	34.7	49.0	3 000	40.6	51.3	2 300	40.0
42.0										19.0	40.6	2 800							42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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			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	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	10 500	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	9 600	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	8 800	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	7 900	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	7 200	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	6 500	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	5 800	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	6 000	49.1	58.2	5 200	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	5 300	47.1	57.3	4 500	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	4 700	45.1	56.3	4 000	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	4 200	43.0	55.2	3 400	39.0
40.0	23.5	45.1	3 100*	26.9	47.1	3 700*	31.3	49.6	4 100	35.1	51.6	3 600	40.7	54.1	2 900	40.0
42.0							24.9	45.7	3 100	29.6	48.3	2 600				42.0
44.0							16.3	40.1	2 100							44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	57.5	42.8	17 100*																10.7
11.0	55.5	42.5	16 300*																11.0
12.0	49.3	41.6	13 900*																12.0
13.0	42.3	40.6	11 900*																13.0
14.0	34.0	39.1	10 400*																14.0
15.0	23.0	37.0	9 100*	34.6	39.2	10 500*	46.9	41.0	13 200*	50.7 43.9 36.0	41.3 40.3 39.0	14 500* 12 300* 10 800*		41.9 41.2 40.3	19 200* 16 000* 13 500*			15.0	
16.0				39.5	39.8	11 300*	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										

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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	71.1	47.0	25 200*																		
10.0	67.6	46.7	21 300*																		
11.0	63.3	46.1	17 200*																67.8	46.6	21 400*
12.0	58.9	45.5	14 500*																63.6	46.1	17 600*
13.0	54.2	44.8	12 500*																59.2	45.5	14 600*
14.0	49.2	43.9	10 900*	54.5	44.8	12 600*	61.8	45.7	16 300*												
15.0	43.8	42.9	9 600*	49.5	43.9	11 000*	57.3	45.0	13 800*												
16.0	37.6	41.6	8 400*	44.1	42.9	9 600*	52.5	44.3	11 900*										59.9	45.1	15 400*
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	7 600*	41.7	42.2	9 200*										50.3	43.6	11 300*
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*				20.0		
21.0										32.1	39.9	7 800*	48.2	42.6	10 700*				21.0		
22.0													42.6	41.5	9 400*				22.0		
23.0													36.3	40.2	8 400*	50.9	42.2	11 600*	23.0		
24.0													28.8	38.5	7 400*	45.6	41.2	10 200*	24.0		
25.0																39.7	40.1	8 900*	25.0		
26.0																32.9	38.6	7 900*	26.0		
27.0																24.3	36.5	7 000*	27.0		



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

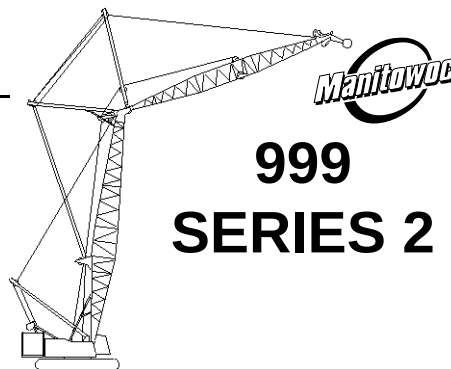
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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		Ang. Deg.	Elev. m
9.1	65.9	43.7	16 200*	71.5	44.1	21 400*															
10.0	61.3	43.2	13 800*	67.0	43.7	17 600*															
11.0	55.5	42.5	11 200*	61.6	43.2	13 600*															
12.0	49.3	41.6	9 400*	55.9	42.5	11 200*															
13.0	42.3	40.6	8 100*	49.7	41.6	9 500*													59.3	42.7	12 900*
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*									
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*									
16.0							39.5	39.8	7 700*	50.7	41.3	9 800*									
17.0										43.9	40.3	8 400*							60.2	41.9	13 200*
18.0										36.0	39.0	7 300*							54.3	41.2	11 000*
19.0													48.0	40.3	9 200*						
20.0													40.8	39.1	8 000*						
21.0													32.1	37.6	6 900*						
22.0																					
23.0																					
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 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	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*	
26.0													33.1	41.1	7 000*	46.2	43.6	9 200*	
27.0													26.4	39.2	6 300*	41.4	42.4	8 200*	
28.0																36.2	41.1	7 400*	
29.0																30.1	39.4	6 600*	
30.0																22.4	37.2	6 000*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

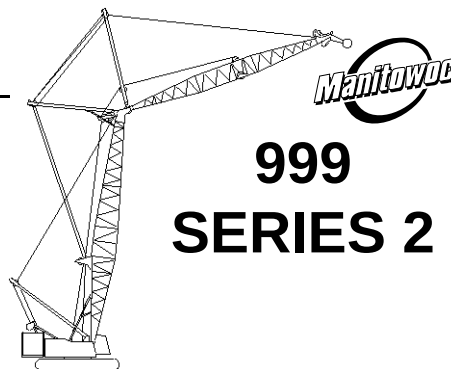
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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		
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	26.0	
27.0										27.3	41.5	6 600*	40.4	45.0	8 400*	50.3	46.8	27.0	
28.0													35.9	43.7	7 700*	46.6	45.9	28.0	
29.0													30.7	42.0	7 000*	42.6	44.8	29.0	
30.0													24.6	40.0	6 400*	38.3	43.5	30.0	
31.0																33.5	42.1	31.0	
32.0																27.9	40.3	32.0	
33.0																20.9	37.9	33.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

7 m/s with 36.6m thru 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 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	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*	28.0
29.0										30.9	44.3	7 100*	41.6	47.4	8 800*	50.1	49.1	11 100*	29.0
30.0										25.7	42.3	6 500*	37.8	46.1	8 100*	46.9	48.2	10 100*	30.0
31.0													33.6	44.6	7 500*	43.5	47.1	9 300*	31.0
32.0													28.8	42.9	6 900*	39.8	45.9	8 500*	32.0
33.0													23.1	40.7	6 400*	35.8	44.6	7 900*	33.0
34.0																31.4	43.0	7 200*	34.0
35.0																26.3	41.0	6 700*	35.0
36.0																19.8	38.5	6 200*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

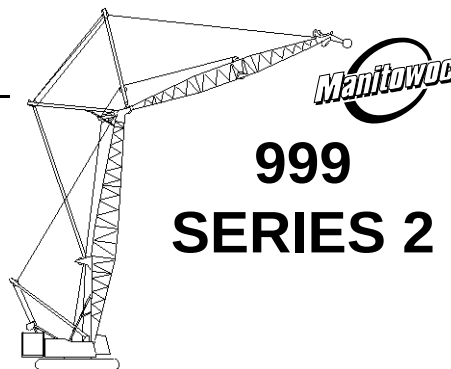
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	13 500	
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	12 600	
31.0							26.5	44.3	7 200*	33.4	46.9	8 100*	42.5	49.7	9 900*	50.0	51.4	11 700	
32.0							21.1	41.9	6 700*	29.2	45.2	7 500*	39.2	48.5	9 200*	47.2	50.5	10 900	
33.0										24.4	43.1	7 000*	35.7	47.1	8 500*	44.2	49.5	10 200	
34.0													31.7	45.6	7 900*	41.0	48.3	9 500	
35.0													27.3	43.7	7 400*	37.6	47.0	8 800	
36.0													22.0	41.4	6 900*	33.8	45.6	8 100	
37.0																29.7	43.9	7 400	
38.0																24.9	41.8	6 800	
39.0																18.9	39.1	6 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

7 m/s with 36.6m thru 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 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	25 700*															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*	28.0
29.0										30.9	44.3	6 500*	41.6	47.4	8 100*	50.1	49.1	10 200*	29.0
30.0										25.7	42.3	6 000*	37.8	46.1	7 500*	46.9	48.2	9 300*	30.0
31.0													33.6	44.6	6 900*	43.5	47.1	8 600*	31.0
32.0													28.8	42.9	6 300*	39.8	45.9	7 900*	32.0
33.0													23.1	40.7	5 900*	35.8	44.6	7 200*	33.0
34.0																31.4	43.0	6 700*	34.0
35.0																26.3	41.0	6 200*	35.0
36.0																19.8	38.5	5 700	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

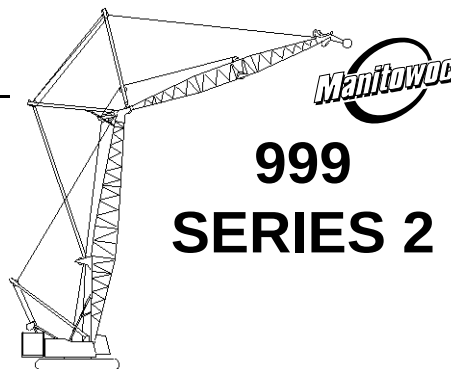
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	11 500	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	10 600	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	9 700	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	8 800	32.0
33.0										24.4	43.1	6 400*	35.7	47.1	7 800*	44.2	49.5	8 100	33.0
34.0													31.7	45.6	7 200*	41.0	48.3	7 400	34.0
35.0													27.3	43.7	6 700*	37.6	47.0	6 700	35.0
36.0													22.0	41.4	6 300*	33.8	45.6	6 000	36.0
37.0																29.7	43.9	5 400	37.0
38.0																24.9	41.8	4 800	38.0
39.0																18.9	39.1	4 200	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	7 800	31.0
32.0													28.8	42.9	5 800*	39.8	45.9	6 900	32.0
33.0													23.1	40.7	5 400*	35.8	44.6	6 100	33.0
34.0																31.4	43.0	5 300	34.0
35.0																26.3	41.0	4 600	35.0
36.0																19.8	38.5	3 800	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	9 600	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	8 700	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	7 700	31.0
32.0							21.1	41.9	5 500*	29.2	45.2	6 300*	39.2	48.5	7 600	47.2	50.5	6 900	32.0
33.0										24.4	43.1	5 800*	35.7	47.1	6 800	44.2	49.5	6 100	33.0
34.0													31.7	45.6	6 000	41.0	48.3	5 400	34.0
35.0													27.3	43.7	5 300	37.6	47.0	4 700	35.0
36.0													22.0	41.4	4 700	33.8	45.6	4 000	36.0
37.0																29.7	43.9	3 400	37.0
38.0																24.9	41.8	2 800	38.0
39.0																18.9	39.1	2 200	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	74.8	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	13 700			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	12 500			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	11 400			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	10 400			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	9 400			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	8 500	54.8	55.3	7 800	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	7 700	52.4	54.5	6 900	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	6 900	49.9	53.7	6 200	33.0
34.0							25.3	45.0	5 900*	31.8	47.8	6 600*	40.3	50.9	6 200	47.3	52.8	5 500	34.0
35.0							20.2	42.5	5 500*	27.8	46.0	6 100*	37.2	49.6	5 500	44.7	51.8	4 700	35.0
36.0										23.3	43.8	5 600	33.9	48.1	4 800	41.8	50.7	4 100	36.0
37.0													30.2	46.5	4 200	38.9	49.4	3 500	37.0
38.0													26.0	44.5	3 600	35.6	48.1	2 900	38.0
39.0													21.1	42.1	3 000	32.2	46.5	2 400	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms	
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	11 200			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	10 200			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	9 300			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	8 400			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	7 600	56.4	58.3	6 800	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	6 800	54.2	57.6	6 100	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	6 100	52.1	56.8	5 300	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	5 400	49.8	56.0	4 700	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	5 500	41.2	53.3	4 800	47.5	55.1	4 000	36.0
37.0							24.3	45.8	4 500*	30.4	48.7	5 000	38.5	52.0	4 100	45.1	54.1	3 400	37.0
38.0							19.4	43.2	4 200*	26.7	46.8	4 400	35.5	50.6	3 500	42.6	53.0	2 900	38.0
39.0										22.3	44.5	3 800	32.4	49.1	3 000	39.9	51.8	2 300	39.0
40.0													28.9	47.3	2 500				40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	75.0	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	10 200	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	9 300	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	9 400	56.7	61.9	8 500	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	8 500	54.8	61.2	7 700	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	7 800	52.8	60.4	6 900	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	7 000	50.8	59.6	6 200	34.0
35.0	31.7	51.5	5 300*	34.8	53.1	5 800*	39.0	55.1	6 600*	42.9	56.7	6 300	48.7	58.7	5 500	35.0
36.0	28.4	49.7	4 900*	31.9	51.5	5 400*	36.4	53.8	6 100	40.5	55.6	5 700	46.5	57.7	4 900	36.0
37.0	24.8	47.6	4 600*	28.6	49.7	5 000*	33.6	52.3	5 600	37.9	54.3	5 000	44.2	56.7	4 200	37.0
38.0	20.5	45.1	4 300*	25.0	47.7	4 700*	30.6	50.6	5 000	35.2	52.9	4 500	41.9	55.6	3 700	38.0
39.0				20.8	45.2	4 200*	27.2	48.7	4 400	32.3	51.3	3 900	39.4	54.4	3 100	39.0
40.0							23.4	46.5	3 900	29.2	49.6	3 400	36.8	53.1	2 600	40.0
42.0										21.5	45.2	2 400				42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
 Boom No. 82
 83 730 kg Crane Counterweight
 19 960 kg Carbody Counterweight
 360 Degree Rating

Maximum Operating Wind Speeds
 (all boom lengths)

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



999
SERIES 2

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			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	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	9 900	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	9 100	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	8 200	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	7 400	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	7 600	56.1	64.2	6 700	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	6 900	54.3	63.5	6 000	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	6 200	52.5	62.7	5 300	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	5 600	50.6	61.9	4 700	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	5 000	48.7	61.0	4 100	37.0
38.0	30.5	52.4	4 100*	33.5	54.1	4 500*	37.5	56.2	4 900	41.2	57.9	4 400	46.7	60.1	3 500	38.0
39.0	27.4	50.5	3 700*	30.7	52.4	4 200*	35.0	54.8	4 400	38.9	56.7	3 800	44.6	59.0	3 000	39.0
40.0	23.9	48.4	3 300*	27.6	50.6	3 800*	32.3	53.2	3 800	36.5	55.3	3 300	42.5	58.0	2 500	40.0
42.0				20.2	45.8	2 700*	26.2	49.5	2 800	31.1	52.3	2 300				42.0
44.0							18.2	44.4	1 900							44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

**999
SERIES 2**

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	Ang. Deg.	Elev. m	Capacity Kilograms				
10.7	58.1	45.9	17 500* b																			
11.0	56.2	45.6	16 700* b																			
12.0	50.0	44.8	14 100*																			
13.0	43.1	43.7	12 100*																			
14.0	35.0	42.4	10 600*																			
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										
16.0						42.4	43.3	12 000*														
17.0						34.2	41.9	10 500*														
18.0						23.2	39.8	9 200*														
19.0									31.6										41.2	10 200*		
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 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	58.1	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	22.0	
23.0																44.9	41.8	23.0	
24.0																37.2	40.5	24.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s	with 21.3m thru 33.5m Luffing Jib	
7 m/s	with 36.6m thru 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			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*																62.8	46.3	15 600*											
12.0	50.0	44.8	10 200*																57.1	45.7	12 700*											
13.0	43.1	43.7	8 700*																51.0	44.9	10 500*	61.4	46.0	15 000*								
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*				51.6	42.8	11 100*											
23.0																			44.9	41.8	9 300*											
24.0																			37.2	40.5	8 000*											

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*	13.0
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*	23.0
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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		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	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	10 400*	22.0
23.0																44.9	41.8	8 700*	23.0
24.0																37.2	40.5	7 500*	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		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	71.5	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

**999
SERIES 2**

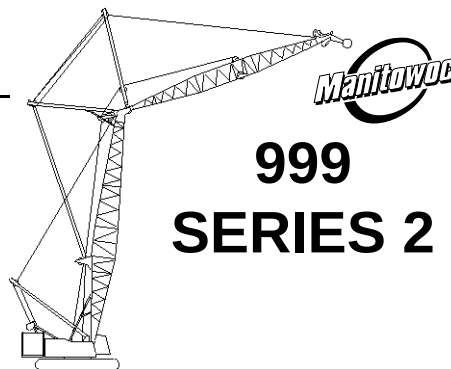
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		
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



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

7 m/s with 36.6m thru 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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	73.3	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	11 000	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	10 200	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	9 400	33.0
34.0										21.7	44.9	6 700*	34.9	49.8	8 400*	44.3	52.4	8 700	34.0
35.0										14.4	41.5	6 300*	30.9	48.1	7 800*	41.1	51.2	8 100	35.0
36.0													26.3	46.2	7 300*	37.7	49.9	7 500	36.0
37.0													20.7	43.7	6 800*	34.0	48.5	6 900	37.0
38.0													12.8	40.1	6 300*	29.9	46.8	6 400	38.0
39.0																25.1	44.8	5 800	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	11 900	
29.0							24.5	45.1	5 900*	33.4	48.2	6 800*	44.4	51.2	8 700*	53.3	52.8	10 900	
30.0							17.4	42.3	5 400*	28.6	46.4	6 300*	40.9	50.1	8 000*	50.3	52.0	10 000	
31.0										22.8	44.2	5 800*	37.0	48.8	7 400*	47.1	51.1	9 100	
32.0										14.8	41.0	5 300*	32.7	47.2	6 800*	43.6	50.0	8 300	
33.0													27.7	45.4	6 300*	40.0	48.9	7 500	
34.0													21.7	43.1	5 800*	36.0	47.5	6 800	
35.0													13.1	39.6	5 400*	31.6	45.9	6 100	
36.0																26.5	44.0	5 500	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	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	16 100			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	14 800*			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	13 500*			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	9 000	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	8 200	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	7 400	33.0
34.0										21.7	44.9	6 100*	34.9	49.8	7 600	44.3	52.4	6 700	34.0
35.0										14.4	41.5	5 700*	30.9	48.1	6 900	41.1	51.2	6 100	35.0
36.0													26.3	46.2	6 300	37.7	49.9	5 400	36.0
37.0													20.7	43.7	5 700	34.0	48.5	4 800	37.0
38.0													12.8	40.1	5 100	29.9	46.8	4 300	38.0
39.0																25.1	44.8	3 700	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	10 100	
29.0							24.5	45.1	5 400*	33.4	48.2	6 300*	44.4	51.2	8 000*	53.3	52.8	9 000	
30.0							17.4	42.3	5 000*	28.6	46.4	5 800*	40.9	50.1	7 400*	50.3	52.0	8 100	
31.0										22.8	44.2	5 300*	37.0	48.8	6 800*	47.1	51.1	7 200	
32.0										14.8	41.0	4 900*	32.7	47.2	6 300*	43.6	50.0	6 300	
33.0													27.7	45.4	5 800*	40.0	48.9	5 500	
34.0													21.7	43.1	5 300	36.0	47.5	4 700	
35.0													13.1	39.6	4 700	31.6	45.9	4 000	
36.0																26.5	44.0	3 400	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

**999
SERIES 2**

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.	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	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	14 300				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	13 000				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	11 900				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	10 800				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	9 700				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	8 800				30.0
31.0							28.3	48.1	6 100*	35.5	50.7	7 000*	45.0	53.5	7 900	52.9	55.1	7 100	31.0
32.0							23.2	45.9	5 700*	31.5	49.1	6 500*	41.8	52.4	7 100	50.1	54.3	6 300	32.0
33.0							16.7	42.9	5 300*	27.0	47.2	6 000*	38.5	51.2	6 300	47.3	53.4	5 500	33.0
34.0										21.7	44.9	5 600*	34.9	49.8	5 500	44.3	52.4	4 800	34.0
35.0										14.4	41.5	5 200*	30.9	48.1	4 800	41.1	51.2	4 100	35.0
36.0													26.3	46.2	4 200	37.7	49.9	3 500	36.0
37.0													20.7	43.7	3 600	34.0	48.5	2 800	37.0
38.0													12.8	40.1	3 000	29.9	46.8	2 200	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

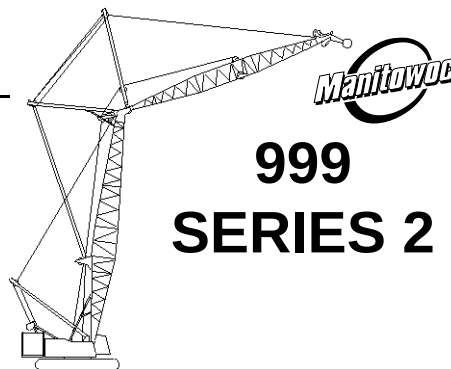
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	
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	13 000				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	11 800				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	10 700				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	9 800				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	8 800				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	7 900				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	7 200	54.9	58.2	6 300	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	7 200	45.4	55.9	6 400	52.5	57.4	5 600	33.0
34.0							27.0	48.9	6 000*	33.7	51.7	6 600	42.6	54.8	5 600	50.0	56.6	4 800	34.0
35.0							22.2	46.6	5 600*	30.0	50.0	5 800	39.7	53.6	5 000	47.5	55.7	4 200	35.0
36.0							16.1	43.5	5 200*	25.8	48.0	5 200	36.5	52.3	4 300	44.8	54.7	3 500	36.0
37.0										20.8	45.5	4 600	33.1	50.7	3 700	42.0	53.6	2 900	37.0
38.0										14.0	42.1	4 000	29.4	49.0	3 100	39.0	52.4	2 400	38.0
39.0													25.1	47.0	2 600				39.0



Liftcrane Luffing Jib

Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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

999

SERIES 2

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			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	73.7	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	10 600	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	9 600	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	8 700	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	7 800	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	7 000	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	7 200	50.4	60.0	6 300	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	6 500	48.1	59.1	5 600	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	5 800	45.7	58.2	4 900	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	5 100	43.3	57.1	4 200	36.0
37.0							25.8	49.7	4 600*	32.2	52.6	4 500	40.6	56.0	3 600	37.0
38.0							21.4	47.2	4 300*	28.7	50.9	4 000	37.9	54.7	3 100	38.0
39.0							15.6	44.0	3 800*	24.7	48.8	3 400	34.9	53.3	2 500	39.0
40.0										20.0	46.2	2 900				40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	75.1	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	14 900				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	13 800				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	12 700				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	11 600				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	10 700	61.8	66.5	9 600	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	9 800	60.0	65.9	8 700	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	8 900	58.2	65.3	7 800	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	8 100	56.3	64.7	7 100	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	7 300	54.3	63.9	6 300	33.0
34.0	34.9	56.3	5 700*	38.1	57.9	6 300*	42.4	59.8	7 100	46.4	61.3	6 600	52.4	63.2	5 600	34.0
35.0	32.0	54.7	5 300*	35.4	56.5	5 800*	40.0	58.6	6 500	44.1	60.3	5 900	50.3	62.3	5 000	35.0
36.0	28.8	53.0	4 900*	32.5	54.9	5 400*	37.4	57.3	5 900	41.8	59.2	5 300	48.2	61.4	4 300	36.0
37.0	25.2	50.9	4 600*	29.3	53.2	5 100*	34.7	55.9	5 200	39.3	58.0	4 600	46.0	60.5	3 700	37.0
38.0	21.0	48.4	4 300*	25.8	51.2	4 700*	31.7	54.3	4 600	36.7	56.6	4 100	43.8	59.4	3 200	38.0
39.0				21.8	48.8	4 400*	28.5	52.5	4 100	33.9	55.2	3 500	41.4	58.3	2 700	39.0
40.0							24.9	50.4	3 600	30.9	53.5	3 000				40.0
42.0							15.2	44.6	2 500	23.8	49.5	2 100				42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 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			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m 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	10 400	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	9 500	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	8 700	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	7 900	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	7 100	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	6 400	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	5 800	35.0
36.0	36.2	58.8	4 800*	39.0	60.3	5 200*	43.0	62.1	5 700	46.6	63.6	5 200	36.0
37.0	33.6	57.3	4 400*	36.6	58.9	4 800*	40.7	61.0	5 100	44.5	62.6	4 500	37.0
38.0	30.8	55.6	4 100*	34.0	57.5	4 500*	38.4	59.7	4 500	42.4	61.5	4 000	38.0
39.0	27.8	53.8	3 700*	31.3	55.8	4 200*	36.0	58.4	4 000	40.1	60.4	3 400	39.0
40.0	24.3	51.7	3 400*	28.3	54.0	3 900*	33.4	56.9	3 500	37.8	59.1	2 900	40.0
42.0				21.1	49.5	3 000*	27.5	53.3	2 500				42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	58.7	49.0	18 000* b	52.4	48.1	15 200*	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*													
16.0				28.9	44.2	9 800*	45.1	46.8	12 700*													
17.0							37.4	45.5	11 100*										51.1	47.4	14 800*	
18.0							27.8	43.8	9 700*										44.3	46.4	12 700*	
19.0																			36.5	45.0	10 900*	
20.0													51.7	46.7	15 100*	51.9	45.7	15 300*	20.0			
21.0													45.0	45.7	13 000*				21.0			
22.0													37.4	44.4	11 200*				22.0			
23.0																			45.2	44.7	13 200*	23.0
24.0																			37.6	43.5	11 300*	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	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	58.7	49.0	15 000*																
11.0	56.8	48.8	14 300*																
12.0	50.6	47.9	12 000*																
13.0	43.8	46.9	10 200*																
14.0	35.9	45.6	8 800*																
15.0	25.7	43.7	7 700*	38.2	45.9	9 200*	51.8	47.8	12 500*										
16.0				28.9	44.2	8 000*	45.1	46.8	10 500*										
17.0							37.4	45.5	9 100*										
18.0							27.8	43.8	7 900*										
19.0																			
20.0													57.8	47.5	15 200*				
21.0													51.7	46.7	12 500*				
22.0													45.0	45.7	10 600*				
23.0													37.4	44.4	9 200*				
24.0																51.9	45.7	12 700*	
25.0																45.2	44.7	10 900*	
																37.6	43.5	9 300*	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	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*	23.0
24.0																45.2	44.7	9 500*	24.0
25.0																37.6	43.5	8 100*	25.0

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			Ang. Deg.	Elev. m
10.7	65.7	52.5	19 200*	70.9	53.0	25 400*															
11.0	64.2	52.4	18 200*	69.6	52.9	23 900*															
12.0	59.8	51.8	15 300*	65.4	52.4	19 300*															
13.0	55.2	51.1	13 000*	61.1	51.8	15 800*															
14.0	50.3	50.2	11 300*	56.5	51.2	13 600*															
15.0	45.0	49.2	9 900*	51.7	50.4	11 700*	60.6	51.6	15 900*	64.5	51.8	18 900*						15.0			
16.0	39.0	48.0	8 700*	46.5	49.4	10 200*	56.1	50.9	13 400*												
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*
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*
19.0				25.9	45.0	7 100*	40.1	48.0	9 000*										50.6	49.7	11 500*
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*						
22.0										32.6	46.0	7 900*	51.2	49.0	11 800*						
23.0													45.9	48.0	10 300*						
24.0													40.1	46.9	9 100*						
25.0													33.3	45.4	8 000*	51.3	48.0	12 000*	25.0		
26.0																46.0	47.1	10 400*	26.0		
27.0																40.2	45.9	9 200*	27.0		
28.0																33.5	44.4	8 100*	28.0		



**999
SERIES 2**

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	67.1	49.9	17 200*																															
10.0	62.5	49.4	14 500*																															
11.0	56.8	48.8	11 600*																	64.0	49.5	15 300*												
12.0	50.6	47.9	9 800*																	58.4	48.9	12 400*												
13.0	43.8	46.9	8 400*	52.4	48.1	10 200*	63.4	49.2	15 200*																									
14.0	35.9	45.6	7 300*	45.8	47.1	8 800*	57.8	48.6	12 100*																									
15.0	25.7	43.7	6 400*	38.2	45.9	7 600*	51.8	47.8	10 100*																									
16.0				28.9	44.2	6 600*	45.1	46.8	8 700*	57.2	48.2	12 100*																						
17.0							37.4	45.5	7 500*	51.1	47.4	10 000*																						
18.0							27.8	43.8	6 500*	44.3	46.4	8 600*																						
19.0										36.5	45.0	7 400*	57.8	47.5	12 500*																			
20.0													51.7	46.7	10 300*																			
21.0													45.0	45.7	8 700*																			
22.0													37.4	44.4	7 600*																			
23.0																51.9	45.7	10 400*	23.0															
24.0																45.2	44.7	8 900*	24.0															
25.0																37.6	43.5	7 600*	25.0															



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	72.0	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 2**

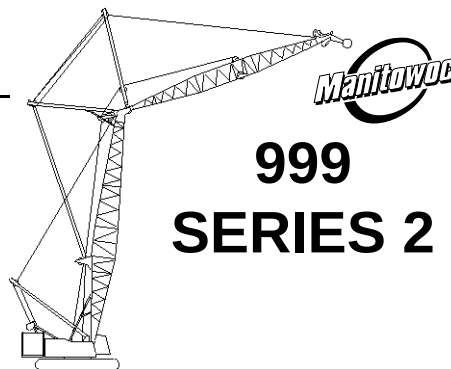
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	75.1	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 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

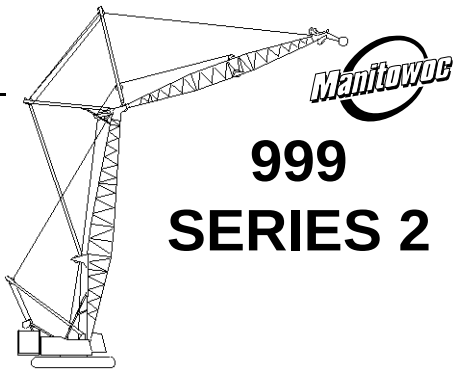
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 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 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	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	28.0	
29.0													38.6	50.4	8 100*	50.6	52.6	29.0	
30.0													33.8	48.9	7 400*	46.9	51.7	30.0	
31.0													28.3	47.1	6 700*	43.0	50.6	31.0	
32.0													21.4	44.8	6 200*	38.7	49.4	32.0	
33.0																33.9	47.9	33.0	
34.0																28.4	46.2	34.0	
35.0																21.6	43.8	35.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

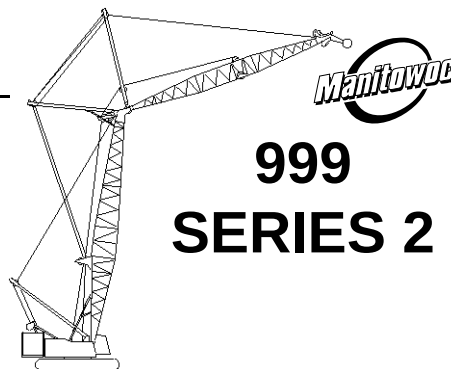
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		
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	12 200	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	11 400	30.0
31.0										26.0	48.4	6 600*	40.1	52.8	8 500*	50.4	54.9	10 500	31.0
32.0										19.5	45.9	6 100*	36.1	51.4	7 900*	47.2	54.0	9 800	32.0
33.0													31.7	49.8	7 300*	43.8	52.9	9 000	33.0
34.0													26.6	47.9	6 700*	40.2	51.8	8 300	34.0
35.0													20.3	45.4	6 200*	36.2	50.4	7 700	35.0
36.0																31.8	48.9	7 100	36.0
37.0																26.7	47.0	6 500	37.0
38.0																20.4	44.5	6 000	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	16 200			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	15 100			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	14 100			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	13 200			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	10 300	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	9 500	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	8 800	33.0
34.0										24.7	49.2	7 000*	37.8	53.9	8 900*	47.4	56.3	8 100	34.0
35.0										18.6	46.5	6 500*	34.1	52.4	8 300*	44.4	55.3	7 500	35.0
36.0													30.0	50.7	7 700*	41.2	54.1	6 900	36.0
37.0													25.2	48.7	7 200*	37.9	52.9	6 300	37.0
38.0													19.3	46.1	6 700*	34.2	51.4	5 800	38.0
39.0																30.1	49.7	5 300	39.0
40.0																25.3	47.7	4 800	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	
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	10 300	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	9 400	30.0
31.0										26.0	48.4	6 000*	40.1	52.8	7 900*	50.4	54.9	8 500	31.0
32.0										19.5	45.9	5 600*	36.1	51.4	7 300*	47.2	54.0	7 700	32.0
33.0													31.7	49.8	6 700*	43.8	52.9	7 000	33.0
34.0													26.6	47.9	6 200*	40.2	51.8	6 200	34.0
35.0													20.3	45.4	5 700*	36.2	50.4	5 600	35.0
36.0																31.8	48.9	4 900	36.0
37.0																26.7	47.0	4 300	37.0
38.0																20.4	44.5	3 800	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**999
SERIES 2**

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.	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		
12.2	73.6	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	14 200			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	13 100			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	12 100			28.0	
29.0	24.3	49.7	6 200*	30.4	52.2	6 800*	37.8	54.9	8 000*	44.0	56.9	9 300*	52.9	59.0	11 100			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	10 200			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	9 400	55.6	58.8	8 300	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	8 600	53.0	58.0	7 500	32.0
33.0							19.4	47.2	5 900*	29.5	51.3	6 900*	41.2	55.1	7 800	50.2	57.2	6 800	33.0
34.0										24.7	49.2	6 400*	37.8	53.9	7 100	47.4	56.3	6 100	34.0
35.0										18.6	46.5	6 000*	34.1	52.4	6 400	44.4	55.3	5 500	35.0
36.0													30.0	50.7	5 800	41.2	54.1	4 900	36.0
37.0													25.2	48.7	5 200	37.9	52.9	4 300	37.0
38.0													19.3	46.1	4 600	34.2	51.4	3 700	38.0
39.0																30.1	49.7	3 200	39.0
40.0																25.3	47.7	2 700	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	75.2	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	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	30.0	
31.0										26.0	48.4	5 600*	40.1	52.8	7 200	50.4	54.9	31.0	
32.0										19.5	45.9	5 100*	36.1	51.4	6 500	47.2	54.0	32.0	
33.0													31.7	49.8	5 700	43.8	52.9	33.0	
34.0													26.6	47.9	5 000	40.2	51.8	34.0	
35.0													20.3	45.4	4 200	36.2	50.4	35.0	
36.0																31.8	48.9	36.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	12 400			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	11 300			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	10 200			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	9 200			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	8 300			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	7 400	55.6	58.8	6 500	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	6 600	53.0	58.0	5 700	32.0
33.0							19.4	47.2	5 400*	29.5	51.3	6 300*	41.2	55.1	5 800	50.2	57.2	5 000	33.0
34.0										24.7	49.2	5 800	37.8	53.9	5 100	47.4	56.3	4 300	34.0
35.0										18.6	46.5	5 300	34.1	52.4	4 400	44.4	55.3	3 600	35.0
36.0													30.0	50.7	3 700	41.2	54.1	3 000	36.0
37.0													25.2	48.7	3 100				37.0
38.0													19.3	46.1	2 500				38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

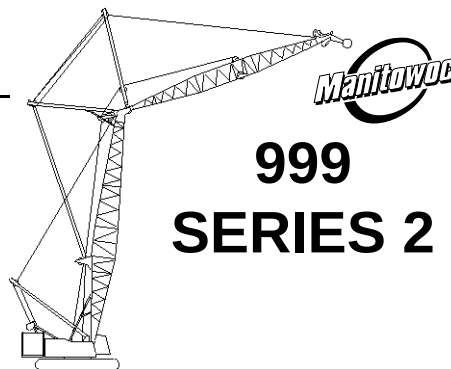
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	
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	10 200			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	9 200			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	9 300	54.9	62.1	8 300			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	8 400	52.5	61.3	7 400			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	7 600	50.1	60.5	6 600	57.3	61.8	5 700	
33.0	17.5	47.5	5 200*	24.6	51.0	5 700*	32.4	54.4	6 600*	38.7	56.9	6 900	47.5	59.6	5 900	55.0	61.1	5 000	
34.0				19.2	48.3	5 300*	28.5	52.6	6 100*	35.5	55.5	6 100	44.8	58.6	5 200	52.6	60.3	4 300	
35.0				11.5	44.3	4 900*	24.1	50.5	5 700*	32.0	53.9	5 400	42.0	57.5	4 500	50.1	59.5	3 700	
36.0							18.6	47.8	5 300	28.1	52.1	4 800	39.0	56.3	3 900	47.6	58.6	3 000	
37.0										23.5	49.9	4 200	35.8	54.9	3 300	44.9	57.6	2 400	
38.0										17.9	47.1	3 600	32.4	53.3	2 700	42.1	56.5	1 900	
39.0													28.5	51.6	2 200				



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

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

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

7 m/s with 36.6m thru 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			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	73.9	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	11 100				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	10 100	60.6	66.4	9 000	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	9 200	58.5	65.8	8 100	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	8 400	56.5	65.1	7 300	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	7 600	54.4	64.4	6 500	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	6 800	52.2	63.6	5 800	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	6 100	50.0	62.8	5 100	34.0
35.0	22.3	51.1	4 200*	27.7	53.9	4 700*	34.3	57.0	5 600*	39.8	59.3	5 400	47.6	61.9	4 400	35.0
36.0	16.9	48.1	3 900*	23.6	51.7	4 400*	31.0	55.3	5 100*	36.9	57.9	4 700	45.2	60.9	3 800	36.0
37.0				18.5	48.9	3 900*	27.3	53.5	4 700	33.9	56.5	4 100	42.7	59.8	3 200	37.0
38.0				11.4	44.9	3 100*	23.1	51.2	4 200	30.6	54.8	3 600	40.1	58.6	2 600	38.0
39.0							18.0	48.4	3 700	26.9	52.9	3 000	37.2	57.3	2 100	39.0
40.0										22.6	50.6	2 500				40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	75.3	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	14 400				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	13 200				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	12 100				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	11 100				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	10 200				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	9 300				30.0
31.0	42.9	63.3	7 100*	45.8	64.6	7 900*	49.9	66.2	9 100	53.7	67.4	8 400	59.6	68.8	7 300	31.0
32.0	40.5	62.2	6 600*	43.5	63.6	7 300*	47.8	65.3	8 300	51.7	66.6	7 600	57.8	68.1	6 500	32.0
33.0	37.9	60.9	6 100*	41.1	62.4	6 800*	45.6	64.3	7 500	49.7	65.8	6 900	55.9	67.5	5 800	33.0
34.0	35.2	59.5	5 700*	38.6	61.2	6 300*	43.3	63.2	6 800	47.5	64.8	6 200	53.9	66.7	5 100	34.0
35.0	32.3	58.0	5 300*	36.0	59.8	5 900*	40.9	62.1	6 200	45.3	63.9	5 500	51.9	65.9	4 500	35.0
36.0	29.1	56.2	5 000*	33.1	58.3	5 500*	38.4	60.8	5 500	43.0	62.8	4 900	49.9	65.1	3 900	36.0
37.0	25.6	54.2	4 600*	30.0	56.6	5 100*	35.7	59.5	4 900	40.6	61.6	4 300	47.8	64.2	3 300	37.0
38.0	21.5	51.8	4 300*	26.6	54.7	4 800*	32.8	57.9	4 300	38.1	60.4	3 700	45.6	63.2	2 700	38.0
39.0	16.4	48.7	3 100*	22.7	52.4	4 400	29.7	56.2	3 800	35.4	59.0	3 200	43.3	62.2	2 200	39.0
40.0							26.3	54.3	3 300	32.5	57.4	2 700				40.0
42.0							17.4	49.0	2 300							42.0



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m Kilograms		Elev. Deg.	Capacity m Kilograms	
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	14 100	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	12 900	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	11 900	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	10 900	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	9 900	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	9 000	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	8 200	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	7 400	32.0
33.0	43.4	65.7	5 900*	46.1	66.9	6 500*	49.8	68.5	7 300	53.4	69.7	6 700	33.0
34.0	41.2	64.5	5 500*	44.0	65.9	6 100*	47.9	67.6	6 700	51.5	68.9	6 000	34.0
35.0	38.9	63.3	5 200*	41.8	64.8	5 600*	45.9	66.6	6 000	49.6	68.1	5 300	35.0
36.0	36.5	62.0	4 800*	39.5	63.6	5 300*	43.8	65.6	5 400	47.7	67.1	4 700	36.0
37.0	33.9	60.5	4 400*	37.1	62.3	4 900*	41.6	64.4	4 800	45.6	66.2	4 200	37.0
38.0	31.1	58.9	4 100*	34.6	60.8	4 600*	39.3	63.2	4 200	43.5	65.1	3 600	38.0
39.0	28.1	57.0	3 800*	31.9	59.2	4 200	36.9	61.9	3 700	41.3	64.0	3 000	39.0
40.0	24.7	54.9	3 400*	28.9	57.5	3 800	34.4	60.5	3 200	39.0	62.8	2 500	40.0
42.0				22.0	53.1	2 900	28.6	57.1	2 200				42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	59.3	52.1	18 400* b	53.7	51.3	15 800*															
11.0	57.4	51.9	17 500* b																		
12.0	51.3	51.1	14 700*																		
13.0	44.6	50.1	12 500*																		
14.0	36.8	48.8	10 900*																		
15.0	27.0	47.0	9 600*	40.0	49.2	11 500*	47.7	50.2	13 700*	54.4	50.8	16 300* b									
16.0				31.1	47.7	10 100*															
17.0																			40.4	49.1	11 700*
18.0																			31.7	47.5	10 200*
19.0																					
										40.8	48.8	11 800*									
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		



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

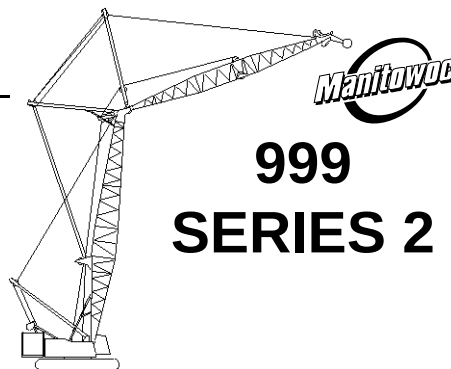
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	59.3	52.1	13 600*															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*	53.7	51.3	11 600*												13.0	
14.0	36.8	48.8	7 800*	47.3	50.4	9 700*	59.9	51.9	14 300*									14.0	
15.0	27.0	47.0	6 800*	40.0	49.2	8 300*	54.1	51.1	11 800*									15.0	
16.0				31.1	47.7	7 200*	47.7	50.2	9 800*	60.2	51.5	14 600*						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*	48.0	49.9	9 900*						18.0	
19.0										40.8	48.8	8 500*						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



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

999
SERIES 2

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

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

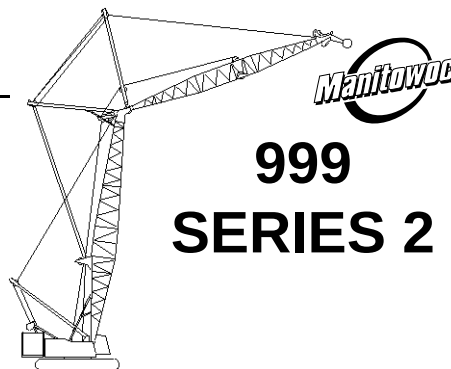
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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															9.1	
10.0	63.0	52.5	14 900*															10.0	
11.0	57.4	51.9	11 900*	65.1	52.6	16 200*												11.0	
12.0	51.3	51.1	10 000*	59.6	52.0	13 000*												12.0	
13.0	44.6	50.1	8 500*	53.7	51.3	10 600*	65.4	52.4	16 700*									13.0	
14.0	36.8	48.8	7 400*	47.3	50.4	9 100*	59.9	51.9	13 000*									14.0	
15.0	27.0	47.0	6 400*	40.0	49.2	7 800*	54.1	51.1	10 800*									15.0	
16.0				31.1	47.7	6 800*	47.7	50.2	9 200*	60.2	51.5	13 600*						16.0	
17.0							40.4	49.1	8 000*	54.4	50.8	11 000*						17.0	
18.0							31.7	47.5	6 900*	48.0	49.9	9 300*						18.0	
19.0										40.8	48.8	8 000*						19.0	
20.0													56.5	50.3	11 900*			20.0	
21.0													50.4	49.5	10 100*			21.0	
22.0													43.5	48.4	8 500*			22.0	
23.0													35.5	47.1	7 400*			23.0	
24.0													25.2	45.1	6 500*			24.0	
25.0																45.5	47.6	25.0	
26.0																37.9	46.4	26.0	
27.0																28.5	44.7	27.0	



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		
9.1	72.4	56.3	24 800*			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*				24.0	
25.0													38.7	49.5	7 900*				25.0	
26.0													31.7	48.0	7 000*	51.5	50.9	10 800*	26.0	
27.0													22.7	45.8	6 200*	46.3	50.0	9 400*	27.0	
28.0																40.5	48.8	8 200*	28.0	
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

**999
SERIES 2**

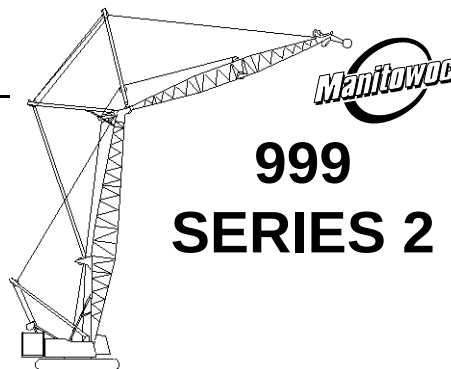
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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*																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 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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 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	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	11 400	29.0
30.0													37.6	53.0	8 000*	50.8	55.5	10 600	30.0
31.0													32.7	51.5	7 200*	47.1	54.6	9 700	31.0
32.0													27.0	49.6	6 600*	43.2	53.5	9 000	32.0
33.0													19.6	47.1	6 100*	38.9	52.3	8 200	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 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	9 800	31.0
32.0										23.2	50.3	6 300*	39.3	55.4	8 400*	50.5	57.8	9 100	32.0
33.0													35.2	54.0	7 800*	47.3	56.9	8 400	33.0
34.0													30.7	52.4	7 200*	43.9	55.9	7 700	34.0
35.0													25.4	50.4	6 600*	40.3	54.7	7 100	35.0
36.0													18.6	47.7	6 100*	36.4	53.4	6 500	36.0
37.0																32.0	51.8	5 900	37.0
38.0																27.0	49.9	5 400	38.0
39.0																20.7	47.5	4 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	15 400			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	14 400			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	13 400			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	12 500			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	11 600			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	10 800			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	10 100	55.7	61.7	8 800	32.0
33.0							21.8	51.2	6 700*	31.8	55.2	7 900*	43.7	59.0	9 300	53.1	60.9	8 100	33.0
34.0										27.3	53.4	7 300*	40.5	57.8	8 700	50.4	60.1	7 400	34.0
35.0										22.0	51.0	6 800*	37.0	56.5	8 000	47.5	59.2	6 800	35.0
36.0													33.2	55.0	7 400	44.5	58.2	6 300	36.0
37.0													29.0	53.3	6 900	41.4	57.1	5 700	37.0
38.0													24.1	51.1	6 400	38.0	55.8	5 200	38.0
39.0													17.8	48.3	5 900	34.3	54.4	4 700	39.0
40.0																30.2	52.7	4 300	40.0
42.0																19.8	48.1	3 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	25 900*															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	14 900			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	12 300*			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	7 900	31.0
32.0										23.2	50.3	5 800*	39.3	55.4	7 800*	50.5	57.8	7 100	32.0
33.0													35.2	54.0	7 100*	47.3	56.9	6 300	33.0
34.0													30.7	52.4	6 600	43.9	55.9	5 700	34.0
35.0													25.4	50.4	6 000	40.3	54.7	5 000	35.0
36.0													18.6	47.7	5 400	36.4	53.4	4 400	36.0
37.0																32.0	51.8	3 800	37.0
38.0																27.0	49.9	3 300	38.0
39.0																20.7	47.5	2 700	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	13 500				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	12 400				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	11 400				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	10 500				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	9 600				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	8 800				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	8 000	55.7	61.7	6 900	32.0
33.0							21.8	51.2	6 100*	31.8	55.2	7 100*	43.7	59.0	7 300	53.1	60.9	6 200	33.0
34.0										27.3	53.4	6 600*	40.5	57.8	6 600	50.4	60.1	5 500	34.0
35.0										22.0	51.0	6 200*	37.0	56.5	5 900	47.5	59.2	4 900	35.0
36.0													33.2	55.0	5 300	44.5	58.2	4 300	36.0
37.0													29.0	53.3	4 700	41.4	57.1	3 700	37.0
38.0													24.1	51.1	4 200	38.0	55.8	3 200	38.0
39.0													17.8	48.3	3 700	34.3	54.4	2 700	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	13 200			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	11 900			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	10 800			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	9 700			28.0	
29.0							28.6	52.8	5 700*	37.8	55.8	6 900*	49.7	58.7	8 700			29.0	
30.0							22.9	50.6	5 300*	33.6	54.3	6 300*	46.4	57.7	7 700			30.0	
31.0										28.9	52.5	5 800*	43.0	56.6	6 800	53.6	58.6	6 000	31.0
32.0										23.2	50.3	5 300*	39.3	55.4	6 000	50.5	57.8	5 200	32.0
33.0													35.2	54.0	5 200	47.3	56.9	4 500	33.0
34.0													30.7	52.4	4 500	43.9	55.9	3 700	34.0
35.0													25.4	50.4	3 800	40.3	54.7	3 100	35.0
36.0													18.6	47.7	3 200	36.4	53.4	2 400	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	73.8	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	11 700	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	10 600	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	9 600	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	8 600	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	7 700	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	6 900	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	6 100	32.0
33.0							21.8	51.2	5 600*	31.8	55.2	6 300	43.7	59.0	5 300	33.0
34.0										27.3	53.4	5 600	40.5	57.8	4 600	34.0
35.0										22.0	51.0	4 900	37.0	56.5	3 900	35.0
36.0													33.2	55.0	3 300	36.0
37.0													29.0	53.3	2 700	37.0
38.0													24.1	51.1	2 100	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

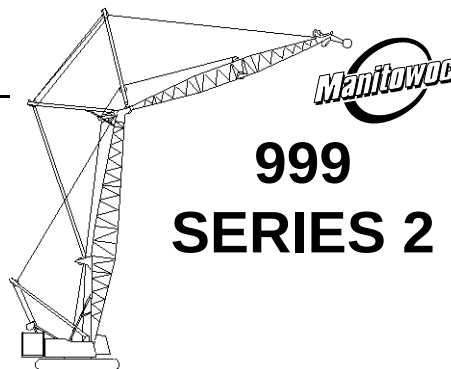
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	75.5	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	16 800				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	15 400				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	14 100				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	12 900				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	11 800				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	10 700	61.2	66.9	9 600	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	9 800	59.0	66.3	8 600	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	8 800	56.7	65.6	7 700	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	8 000	54.4	64.9	6 900	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	7 200	52.0	64.1	6 100	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	6 400	49.5	63.3	5 400	33.0
34.0				20.5	52.0	5 400*	30.0	56.4	6 200	37.2	59.2	5 700	46.9	62.3	4 700	34.0
35.0				13.5	48.4	5 000*	25.8	54.4	5 700	33.9	57.8	5 000	44.2	61.3	4 000	35.0
36.0							20.8	51.9	5 100	30.2	56.1	4 400	41.4	60.2	3 400	36.0
37.0										26.0	54.1	3 800	38.4	58.9	2 800	37.0
38.0										21.1	51.7	3 200	35.1	57.5	2 200	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	74.1	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	16 500				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	15 100				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	13 800				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	12 700				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	11 600				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	10 600				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	9 600	62.1	69.8	8 400	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	8 700	60.1	69.2	7 500	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	7 900	58.1	68.6	6 700	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	7 100	56.0	67.9	5 900	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	6 400	53.9	67.2	5 200	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	5 600	51.7	66.4	4 500	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	5 000	49.5	65.6	3 900	35.0
36.0	17.5	51.5	3 900*	24.5	55.2	4 400*	32.2	59.0	5 100	38.5	61.7	4 400	47.1	64.6	3 300	36.0
37.0				19.7	52.6	4 100*	28.7	57.2	4 400	35.5	60.3	3 800	44.7	63.6	2 700	37.0
38.0				13.2	49.0	3 800*	24.8	55.1	3 900	32.4	58.7	3 200	42.2	62.5	2 200	38.0
39.0							20.0	52.6	3 300	28.9	57.0	2 700				39.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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



999
SERIES 2

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			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	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	13 800				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	12 600				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	11 600				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	10 500				28.0
29.0	47.6	68.6	8 200*	50.5	69.7	9 200*	54.7	71.1	10 400	58.6	72.2	9 600				29.0
30.0	45.4	67.6	7 600*	48.4	68.8	8 600*	52.7	70.3	9 600	56.7	71.5	8 700				30.0
31.0	43.1	66.5	7 100*	46.3	67.9	7 900*	50.7	69.5	8 700	54.8	70.8	7 900	61.1	72.2	6 700	31.0
32.0	40.7	65.4	6 600*	44.0	66.8	7 400*	48.6	68.6	7 900	52.8	70.0	7 200	59.2	71.6	5 900	32.0
33.0	38.2	64.1	6 100*	41.7	65.7	6 900*	46.4	67.7	7 200	50.8	69.2	6 400	57.4	70.9	5 200	33.0
34.0	35.5	62.7	5 700*	39.2	64.5	6 400*	44.2	66.7	6 500	48.7	68.3	5 700	55.5	70.2	4 600	34.0
35.0	32.6	61.2	5 300*	36.6	63.2	6 000*	41.8	65.5	5 800	46.5	67.4	5 100	53.5	69.5	4 000	35.0
36.0	29.5	59.4	4 900*	33.8	61.7	5 500*	39.3	64.3	5 200	44.3	66.4	4 400	51.5	68.7	3 400	36.0
37.0	26.0	57.5	4 600*	30.7	60.0	5 100	36.7	63.0	4 600	41.9	65.3	3 900	49.4	67.9	2 800	37.0
38.0	22.0	55.1	4 300*	27.4	58.2	4 700	33.9	61.5	4 000	39.5	64.1	3 300	47.3	66.9	2 300	38.0
39.0	17.0	52.1	3 300*	23.6	56.0	4 200	30.9	59.9	3 500	36.8	62.7	2 800				39.0
40.0				19.1	53.3	3 500	27.6	58.0	2 900	34.1	61.3	2 300				40.0
42.0							19.4	53.2	2 000							42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 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			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	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	12 300	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	11 300	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	10 300	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	9 400	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	8 500	30.0
31.0	47.7	70.9	6 800*	50.4	72.0	7 500*	54.2	73.4	8 600	57.9	74.5	7 700	31.0
32.0	45.7	69.9	6 400*	48.5	71.1	7 000*	52.4	72.6	7 800	56.1	73.8	6 900	32.0
33.0	43.6	68.8	6 000*	46.5	70.2	6 600*	50.5	71.8	7 000	54.3	73.1	6 200	33.0
34.0	41.4	67.7	5 600*	44.4	69.2	6 200*	48.6	70.9	6 300	52.5	72.3	5 600	34.0
35.0	39.1	66.5	5 200*	42.3	68.1	5 800*	46.6	70.0	5 700	50.6	71.5	4 900	35.0
36.0	36.7	65.2	4 800*	40.0	66.9	5 400*	44.5	69.0	5 000	48.7	70.6	4 300	36.0
37.0	34.2	63.7	4 400*	37.7	65.6	5 000	42.4	67.9	4 500	46.7	69.7	3 700	37.0
38.0	31.4	62.1	4 100*	35.2	64.2	4 600	40.2	66.7	3 900	44.6	68.7	3 200	38.0
39.0	28.4	60.3	3 700*	32.5	62.6	4 100	37.8	65.4	3 400	42.5	67.6	2 700	39.0
40.0	25.1	58.2	3 400*	29.6	60.9	3 600	35.3	64.0	2 800				40.0
42.0				22.8	56.7	2 600							42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

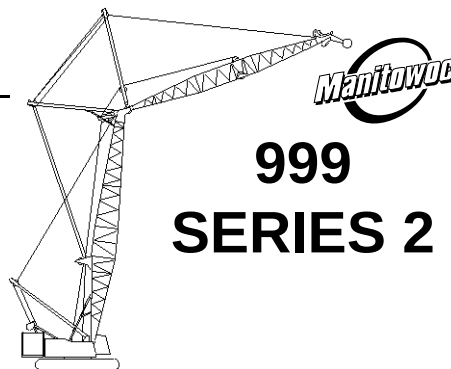
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 61.0m Luffing Jib
5 m/s with 64.0m thru 73.2m Luffing Jib

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 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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
10.7	59.9	55.2	14 000*			12 200*															
11.0	58.0	55.0	13 200*																		
12.0	52.0	54.2	11 000*																		
13.0	45.4	53.2	9 200*																		
14.0	37.7	52.0	8 000*																		
15.0	28.2	50.2	6 900*	41.6	52.5	8 600*	56.3	54.4	12 700*	63.1	54.9	16 700*b									
16.0				33.2	51.1	7 400*	50.1	53.6	10 500*												
17.0							43.3	52.6	8 900*										57.5	54.2	13 200*
18.0							35.2	51.2	7 700*										51.4	53.4	10 900*
19.0																			44.7	52.4	9 300*
20.0										37.0	51.1	8 000*	61.0	53.8	15 300*						
21.0										27.2	49.3	6 900*	55.3	53.1	12 600*						
22.0													49.0	52.2	10 400*						
23.0													42.0	51.1	8 900*						
24.0													33.6	49.7	7 600*						
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

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	14 300*	
27.0													30.1	50.5	7 800*	51.7	53.8	12 400*	
28.0																46.5	52.9	10 700*	
29.0																40.7	51.7	9 400*	
30.0																34.1	50.3	8 300*	



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	72.8	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*	26.0
27.0													30.1	50.5	6 900*	51.7	53.8	11 000*	27.0
28.0																46.5	52.9	9 500*	28.0
29.0																40.7	51.7	8 300*	29.0
30.0																34.1	50.3	7 400*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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					
		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	11 800	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	9 600*	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
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

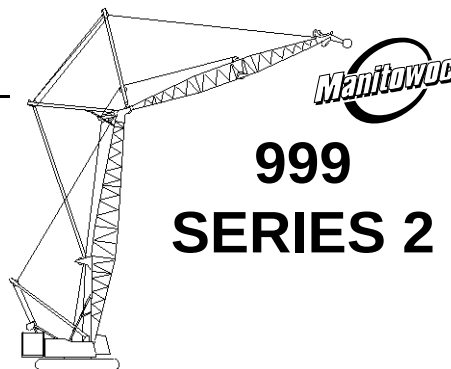
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	15 000				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	14 000				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	12 900				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	8 400	32.0
33.0										19.9	52.1	6 100*	38.4	58.1	8 300*	50.7	60.7	7 700	33.0
34.0													34.3	56.7	7 600*	47.5	59.8	7 100	34.0
35.0													29.6	55.0	7 100*	44.1	58.8	6 500	35.0
36.0													24.1	52.8	6 500*	40.5	57.6	5 900	36.0
37.0																36.5	56.3	5 400	37.0
38.0																32.2	54.7	4 900	38.0
39.0																27.2	52.9	4 300	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	74.0	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	21 200						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	12 700			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	11 800			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	11 000			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	10 200			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	9 400			32.0	
33.0							23.9	55.2	6 900*	33.9	59.1	8 200*	46.1	62.8	8 700			33.0	
34.0										29.8	57.4	7 600*	43.0	61.7	8 100	53.2	63.8	6 800	
35.0										25.0	55.3	7 100*	39.8	60.5	7 500	50.5	63.0	6 200	
36.0										19.0	52.7	6 600*	36.2	59.2	6 900	47.6	62.1	5 600	
37.0													32.4	57.6	6 300	44.7	61.1	5 100	
38.0													28.0	55.8	5 800	41.5	60.0	4 600	
39.0													22.9	53.6	5 300	38.2	58.7	4 100	
40.0																34.5	57.3	3 700	
42.0																25.8	53.6	2 800	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	13 100				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	12 000				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	11 000				28.0
29.0							30.5	56.5	6 400*	39.9	59.5	7 800*	52.1	62.3	10 100				29.0
30.0							25.2	54.5	5 900*	35.9	58.1	7 200*	49.0	61.4	9 200				30.0
31.0										31.5	56.5	6 600*	45.7	60.4	8 300				31.0
32.0										26.3	54.6	6 100*	42.2	59.3	7 600	53.7	61.5	6 500	32.0
33.0										19.9	52.1	5 600*	38.4	58.1	6 800	50.7	60.7	5 800	33.0
34.0													34.3	56.7	6 100	47.5	59.8	5 100	34.0
35.0													29.6	55.0	5 500	44.1	58.8	4 500	35.0
36.0													24.1	52.8	4 900	40.5	57.6	3 900	36.0
37.0																36.5	56.3	3 300	37.0
38.0																32.2	54.7	2 700	38.0
39.0																27.2	52.9	2 200	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

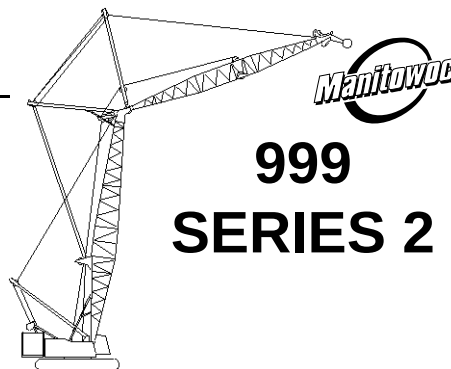
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	
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	19 400						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	10 800			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	9 800			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	9 000			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	8 200			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	7 400			32.0	
33.0							23.9	55.2	6 200*	33.9	59.1	7 400*	46.1	62.8	6 700			33.0	
34.0										29.8	57.4	6 900*	43.0	61.7	6 000	53.2	63.8	4 900	34.0
35.0										25.0	55.3	6 400*	39.8	60.5	5 400	50.5	63.0	4 300	35.0
36.0										19.0	52.7	6 000	36.2	59.2	4 800	47.6	62.1	3 700	36.0
37.0													32.4	57.6	4 200	44.7	61.1	3 200	37.0
38.0													28.0	55.8	3 700	41.5	60.0	2 600	38.0
39.0													22.9	53.6	3 200	38.2	58.7	2 100	39.0



**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	11 300	
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	10 200	
28.0				23.8	54.2	5 300*	35.0	58.2	6 400*	43.6	60.6	7 800*	55.1	63.1	9 100	
29.0							30.5	56.5	5 900*	39.9	59.5	7 200*	52.1	62.3	8 200	
30.0							25.2	54.5	5 500*	35.9	58.1	6 600*	49.0	61.4	7 200	
31.0										31.5	56.5	6 100*	45.7	60.4	6 400	
32.0										26.3	54.6	5 600*	42.2	59.3	5 500	
33.0										19.9	52.1	5 100*	38.4	58.1	4 800	
34.0													34.3	56.7	4 100	
35.0													29.6	55.0	3 400	
36.0													24.1	52.8	2 700	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	74.0	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	17 800				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	14 700 *				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	9 000	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	9 200	57.0	66.1	8 100	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	8 300	54.4	65.4	7 200	30.0
31.0				22.6	54.9	5 500 *	33.1	59.1	6 600 *	41.0	61.8	7 400	51.8	64.6	6 300	31.0
32.0				15.8	51.8	5 200 *	28.8	57.4	6 100 *	37.6	60.5	6 600	49.0	63.7	5 600	32.0
33.0							23.9	55.2	5 700 *	33.9	59.1	5 900	46.1	62.8	4 800	33.0
34.0										29.8	57.4	5 200	43.0	61.7	4 100	34.0
35.0										25.0	55.3	4 500	39.8	60.5	3 500	35.0
36.0										19.0	52.7	3 900	36.2	59.2	2 800	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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			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	75.7	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	16 100			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	14 800			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	13 500			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	12 300			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	11 200			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	10 200			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	9 300	60.7	69.7	8 000	
30.0	32.5	60.9	6 400*	37.6	63.0	7 200*	44.1	65.4	8 600*	49.9	67.2	8 400	58.5	69.1	7 200	
31.0	28.7	59.1	5 900*	34.3	61.6	6 700*	41.3	64.3	8 000*	47.4	66.3	7 600	56.2	68.4	6 300	
32.0	24.3	57.0	5 500*	30.6	59.9	6 200*	38.3	63.1	7 400*	44.7	65.3	6 800	53.9	67.7	5 600	
33.0	18.8	54.3	5 200*	26.5	58.0	5 800*	35.0	61.6	6 700	41.9	64.2	6 000	51.5	66.9	4 900	
34.0				21.7	55.6	5 400*	31.5	60.0	6 000	38.9	63.0	5 300	49.0	66.0	4 200	
35.0				15.3	52.4	5 100*	27.5	58.2	5 300	35.7	61.6	4 600	46.4	65.1	3 500	
36.0							22.8	55.9	4 700	32.2	60.0	4 000	43.7	64.0	2 900	
37.0										28.3	58.2	3 400	40.8	62.9	2 300	
38.0										23.8	56.1	2 900	37.7	61.6	1 800	
39.0										18.3	53.3	2 300				



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

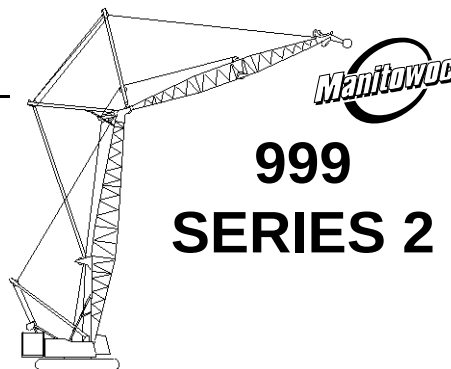
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

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

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

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	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	13 300				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	12 100				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	11 000				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	10 100				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	9 100				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	8 200				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	7 400	59.7	72.0	6 100	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	6 700	57.7	71.4	5 400	32.0
33.0	31.1	61.8	5 000*	35.9	64.0	5 600*	42.1	66.7	6 700	47.5	68.6	5 900	55.6	70.7	4 700	33.0
34.0	27.5	59.9	4 600*	32.7	62.5	5 200*	39.4	65.4	6 000	45.1	67.6	5 200	53.5	70.0	4 000	34.0
35.0	23.3	57.7	4 200*	29.3	60.8	4 800*	36.5	64.1	5 300	42.6	66.5	4 600	51.3	69.2	3 400	35.0
36.0	18.2	54.9	3 900*	25.4	58.8	4 500*	33.4	62.6	4 700	39.9	65.3	4 000	49.0	68.3	2 800	36.0
37.0				20.8	56.3	4 100*	30.1	60.9	4 100	37.1	64.0	3 400				37.0
38.0				14.9	52.9	3 800*	26.3	59.0	3 500	34.1	62.6	2 800				38.0
39.0							21.9	56.6	3 000	30.8	60.9	2 300				39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 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			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	
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	18 200				22.0
23.0	59.7	76.3	12 800*	62.4	77.0	14 200*	66.3	77.9	16 700				23.0
24.0	57.9	75.6	11 900*	60.6	76.5	13 200*	64.6	77.4	15 400				24.0
25.0	56.0	75.0	11 100*	58.8	75.8	12 300*	62.8	76.9	14 200	66.7	77.6	13 200	25.0
26.0	54.0	74.2	10 400*	56.9	75.2	11 500*	61.0	76.3	13 000	64.9	77.1	12 100	26.0
27.0	52.0	73.4	9 600*	55.0	74.5	10 800*	59.2	75.7	11 900	63.2	76.6	11 000	27.0
28.0	50.0	72.6	8 900*	53.0	73.7	10 100*	57.3	75.1	10 900	61.4	76.1	10 000	28.0
29.0	47.9	71.7	8 200*	51.0	72.9	9 300*	55.4	74.4	10 000	59.6	75.5	9 100	29.0
30.0	45.7	70.7	7 600*	48.9	72.0	8 600*	53.4	73.7	9 100	57.7	74.9	8 300	30.0
31.0	43.4	69.7	7 100*	46.7	71.1	8 000*	51.4	72.9	8 300	55.8	74.2	7 500	31.0
32.0	41.0	68.5	6 600*	44.5	70.1	7 500*	49.4	72.0	7 500	53.8	73.4	6 700	32.0
33.0	38.5	67.3	6 100*	42.2	69.0	7 000*	47.2	71.1	6 800	51.8	72.7	6 000	33.0
34.0	35.8	65.9	5 700*	39.7	67.8	6 500*	45.0	70.1	6 100	49.8	71.8	5 300	34.0
35.0	33.0	64.4	5 300*	37.1	66.5	6 000*	42.7	69.0	5 400	47.7	70.9	4 700	35.0
36.0	29.8	62.7	5 000*	34.4	65.1	5 500	40.3	67.8	4 800	45.5	69.9	4 000	36.0
37.0	26.4	60.7	4 600*	31.4	63.4	5 000	37.7	66.5	4 200	43.2	68.9	3 500	37.0
38.0	22.4	58.4	4 300*	28.1	61.6	4 500	35.0	65.1	3 700	40.8	67.7	2 900	38.0
39.0	17.6	55.5	3 200*	24.4	59.5	3 900	32.1	63.6	3 100	38.2	66.4	2 400	39.0
40.0				20.1	56.9	3 300	28.9	61.8	2 600				40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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			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	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	11 700	26.0
27.0	55.4	77.3	9 100*	58.0	78.2	10 100*	61.8	79.3	11 700	65.4	80.0	10 700	27.0
28.0	53.6	76.5	8 500*	56.3	77.5	9 400*	60.1	78.7	10 700	63.8	79.5	9 800	28.0
29.0	51.8	75.7	7 900*	54.5	76.8	8 800*	58.4	78.1	9 800	62.1	79.0	8 800	29.0
30.0	49.9	74.9	7 400*	52.7	76.0	8 200*	56.7	77.4	8 900	60.5	78.4	8 000	30.0
31.0	47.9	74.0	6 900*	50.8	75.2	7 700*	54.9	76.7	8 100	58.8	77.8	7 300	31.0
32.0	45.9	73.0	6 500*	48.9	74.3	7 200*	53.1	76.0	7 300	57.0	77.2	6 500	32.0
33.0	43.8	72.0	6 100*	46.9	73.4	6 700*	51.2	75.2	6 600	55.3	76.5	5 800	33.0
34.0	41.7	70.9	5 600*	44.9	72.4	6 300*	49.3	74.3	5 900	53.5	75.8	5 100	34.0
35.0	39.4	69.7	5 200*	42.7	71.3	5 900*	47.4	73.4	5 300	51.6	75.0	4 500	35.0
36.0	37.0	68.4	4 800*	40.5	70.2	5 400	45.3	72.4	4 700	49.7	74.1	3 900	36.0
37.0	34.4	66.9	4 400*	38.2	68.9	4 900	43.2	71.3	4 100	47.8	73.2	3 300	37.0
38.0	31.7	65.3	4 100*	35.7	67.5	4 300	41.0	70.2	3 500	45.7	72.2	2 800	38.0
39.0	28.8	63.5	3 700*	33.1	66.0	3 800	38.7	68.9	3 000	43.6	71.2	2 300	39.0
40.0	25.5	61.5	3 400*	30.2	64.3	3 300	36.3	67.6	2 500				40.0
42.0				23.6	60.2	2 400							42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 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*	
27.0																46.1	53.5	13 900*	
28.0																38.6	52.2	11 800*	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

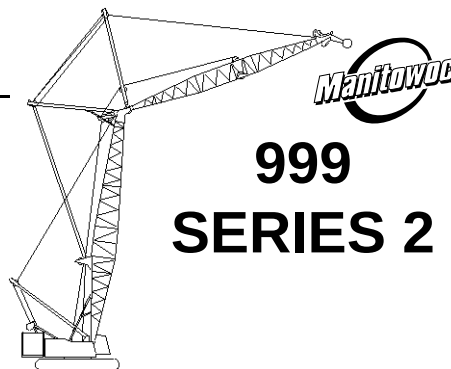
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

**999
SERIES 2**

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		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
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	26.0	
27.0																46.1	53.5	27.0	
28.0																38.6	52.2	28.0	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	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	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 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		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																											26.0			
27.0																											52.7	54.4	10 900*	27.0
28.0																											46.1	53.5	9 300*	28.0
																38.6	52.2	7 900*	28.0											



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	73.2	62.4	26 300* ^b	72.2	62.2	24 700* ^b															
10.0	69.8	62.1	22 000*																		
11.0	65.6	61.7	17 400*																		
12.0	61.3	61.1	14 500*																		
13.0	56.7	60.4	12 300*																		
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*									
15.0	46.7	58.7	9 200*	54.8	60.0	11 600*	65.5	61.3	17 800*												
16.0	41.0	57.6	8 100*	49.9	59.2	10 100*	61.1	60.7	14 500*												
17.0	34.4	56.2	7 200*	44.5	58.2	8 800*	56.6	60.0	12 400*												
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*
19.0				31.4	55.4	6 900*	46.6	58.3	9 300*	58.3	59.9	13 200*									
20.0							40.8	57.2	8 200*	53.6	59.2	11 400*									
21.0							34.2	55.8	7 200*	48.5	58.3	9 800*									
22.0							26.1	53.8	6 500*	43.0	57.2	8 600*									
23.0										36.8	55.9	7 600*							57.7	58.9	13 200*
24.0										29.3	54.2	6 800*	53.0	58.2	11 400*						
25.0																			47.9	57.3	9 800*
26.0																			42.3	56.2	8 600*
27.0																			35.9	54.8	7 600*
28.0																			28.3	53.1	6 700*
29.0																46.7	55.8	9 600*			
30.0																			41.0	54.6	8 500*
31.0																			34.4	53.2	7 500*
32.0																			26.4	51.3	6 700*



999 SERIES 2

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

**Maximum Operating Wind Speeds
(all boom lengths)**
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	10 200	29.0
30.0													32.8	55.8	7 000*	51.4	59.0	9 300	30.0
31.0													25.9	53.8	6 400*	47.1	58.1	8 500	31.0
32.0													16.3	50.9	5 800*	42.5	57.0	7 800	32.0
33.0																37.4	55.7	7 000	33.0
34.0																31.5	54.1	6 300	34.0
35.0																24.2	52.1	5 700	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			Ang. Deg.	Elev. m	Capacity Kilograms
10.7	73.9	68.4	26 200*	68.9	67.6	22 800*													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*																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*	58.6	64.2	14 200				25.0			
26.0							34.4	59.2	7 400*	44.8	61.9	9 400*							26.0			
27.0							29.0	57.5	6 700*	40.7	60.7	8 500*							55.3	63.5	12 900	27.0
28.0							22.4	55.3	6 200*	36.2	59.4	7 700*							51.8	62.7	11 600*	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*	54.5	62.1	8 300	30.0			
31.0													40.2	59.7	8 500*				31.0			
32.0													35.6	58.3	7 800*				51.1	61.3	7 600	32.0
33.0													30.4	56.7	7 100*				47.4	60.4	6 900	33.0
34.0													24.2	54.6	6 400*	43.5	59.3	6 200	34.0			
35.0													15.5	51.5	5 900*	39.3	58.1	5 600	35.0			
36.0																34.6	56.7	5 100	36.0			
37.0																29.2	55.0	4 500	37.0			
38.0																22.6	52.8	4 000	38.0			



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

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

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	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	12 300			28.0	
29.0							32.3	60.2	7 200*	41.9	63.1	8 900*	54.5	65.8	11 400			29.0	
30.0							27.3	58.3	6 700*	38.1	61.8	8 200*	51.5	65.0	10 500			30.0	
31.0							21.1	55.9	6 100*	33.9	60.4	7 500*	48.3	64.2	9 800			31.0	
32.0							12.0	52.2	5 700*	29.2	58.7	6 900*	45.0	63.2	9 000	56.8	65.2	7 600	
33.0										23.5	56.5	6 400*	41.4	62.0	8 300	53.9	64.4	7 000	
34.0													37.6	60.8	7 700	50.8	63.6	6 300	
35.0													33.4	59.3	7 100	47.6	62.7	5 700	
36.0													28.6	57.5	6 500	44.2	61.7	5 200	
37.0													22.8	55.3	5 900	40.6	60.5	4 700	
38.0													14.8	52.1	5 400	36.7	59.2	4 200	
39.0																32.4	57.7	3 700	
40.0																27.4	55.8	3 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	20 800						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	19 300						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	18 000						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	11 900			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	11 000			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	10 200			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	9 500			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	8 800			32.0	
33.0							25.8	59.1	7 100*	35.9	62.9	8 500*	48.4	66.5	8 100			33.0	
34.0							20.1	56.6	6 600*	32.0	61.3	7 900*	45.5	65.5	7 500	55.9	67.5	6 000	
35.0							11.8	52.7	6 100*	27.6	59.5	7 300*	42.3	64.4	6 800	53.3	66.7	5 500	
36.0										22.4	57.2	6 800*	39.0	63.2	6 300	50.6	65.9	4 900	
37.0													35.5	61.8	5 800	47.8	65.0	4 400	
38.0													31.5	60.2	5 200	44.8	64.0	3 900	
39.0													27.0	58.3	4 700	41.7	62.9	3 500	
40.0													21.7	56.0	4 300	38.3	61.6	3 000	
42.0																30.6	58.6	2 200	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		
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	10 300			28.0	
29.0							32.3	60.2	6 600*	41.9	63.1	8 200*	54.5	65.8	9 400			29.0	
30.0							27.3	58.3	6 100*	38.1	61.8	7 500*	51.5	65.0	8 500			30.0	
31.0							21.1	55.9	5 700*	33.9	60.4	6 900*	48.3	64.2	7 700			31.0	
32.0							12.0	52.2	5 300*	29.2	58.7	6 300*	45.0	63.2	6 900	56.8	65.2	5 800	
33.0										23.5	56.5	5 900*	41.4	62.0	6 200	53.9	64.4	5 100	
34.0													37.6	60.8	5 500	50.8	63.6	4 400	
35.0													33.4	59.3	4 900	47.6	62.7	3 800	
36.0													28.6	57.5	4 300	44.2	61.7	3 200	
37.0													22.8	55.3	3 800	40.6	60.5	2 700	
38.0													14.8	52.1	3 200	36.7	59.2	2 100	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

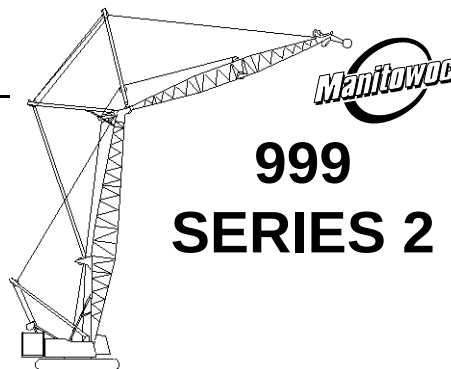
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	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	18 800				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	17 400				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	16 000				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	14 800				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	13 600				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	12 600				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	10 100	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	9 200	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	8 300	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	7 500	31.0
32.0				17.5	55.6	5 700*	30.5	61.1	6 900*	39.4	64.2	8 200	51.2	67.3	6 800	32.0
33.0							25.8	59.1	6 400*	35.9	62.9	7 500	48.4	66.5	6 100	33.0
34.0							20.1	56.6	6 000*	32.0	61.3	6 800	45.5	65.5	5 500	34.0
35.0							11.8	52.7	5 600*	27.6	59.5	6 200	42.3	64.4	4 800	35.0
36.0										22.4	57.2	5 500	39.0	63.2	4 200	36.0
37.0													35.5	61.8	3 700	37.0
38.0													31.5	60.2	3 100	38.0
39.0													27.0	58.3	2 600	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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			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	
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	8 500	
29.0							32.3	60.2	6 100*	41.9	63.1	7 500*	54.5	65.8	7 500	
30.0							27.3	58.3	5 600*	38.1	61.8	6 900*	51.5	65.0	6 600	
31.0							21.1	55.9	5 200*	33.9	60.4	6 300*	48.3	64.2	5 800	
32.0							12.0	52.2	4 800*	29.2	58.7	5 800*	45.0	63.2	5 000	
33.0										23.5	56.5	5 200	41.4	62.0	4 200	
34.0													37.6	60.8	3 500	
35.0													33.4	59.3	2 900	
36.0													28.6	57.5	2 300	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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			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	74.3	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	17 100				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	15 500				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	14 200				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	12 900				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	11 700				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	10 600				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	9 600	61.5	70.2	8 300	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	8 700	59.0	69.5	7 400	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	7 800	56.5	68.9	6 500	30.0
31.0				23.8	58.5	5 600*	34.5	62.7	6 800*	42.7	65.4	7 000	53.9	68.2	5 800	31.0
32.0				17.5	55.6	5 200*	30.5	61.1	6 300*	39.4	64.2	6 200	51.2	67.3	5 000	32.0
33.0							25.8	59.1	5 800*	35.9	62.9	5 400	48.4	66.5	4 300	33.0
34.0							20.1	56.6	5 400	32.0	61.3	4 700	45.5	65.5	3 600	34.0
35.0							11.8	52.7	4 900	27.6	59.5	4 100	42.3	64.4	2 900	35.0
36.0										22.4	57.2	3 400	39.0	63.2	2 300	36.0



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)	
10 m/s with 21.3m thru 33.5m Luffing Jib	
7 m/s with 36.6m thru 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			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	75.9	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	15 400				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	14 100				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	12 800				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	11 700				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	10 600				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	9 600				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	8 700	62.4	73.1	7 400	29.0
30.0	32.9	64.1	6 400*	38.2	66.3	7 300*	45.2	68.9	8 700	51.3	70.7	7 800	60.3	72.5	6 500	30.0
31.0	29.1	62.4	5 900*	35.0	64.9	6 800*	42.4	67.8	7 900	48.8	69.8	7 000	58.0	71.9	5 700	31.0
32.0	24.8	60.3	5 600*	31.4	63.3	6 300*	39.4	66.6	7 100	46.1	68.8	6 300	55.8	71.2	5 000	32.0
33.0	19.5	57.7	5 200*	27.4	61.5	5 900*	36.3	65.2	6 300	43.4	67.8	5 500	53.4	70.5	4 300	33.0
34.0				22.8	59.2	5 500*	32.8	63.7	5 600	40.5	66.6	4 800	51.0	69.6	3 600	34.0
35.0				16.9	56.2	5 100*	29.0	61.9	5 000	37.4	65.3	4 200	48.5	68.8	3 000	35.0
36.0							24.6	59.9	4 300	34.1	63.9	3 600	45.8	67.8	2 400	36.0
37.0							19.3	57.2	3 800	30.4	62.2	3 000				37.0
38.0							11.7	53.3	3 300	26.3	60.3	2 400				38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	12 600	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	11 500	26.0
27.0	48.0	72.5	8 000*	51.6	73.8	9 300*	56.7	75.4	11 400	61.5	76.4	10 400	27.0
28.0	45.6	71.6	7 400*	49.4	73.0	8 600*	54.6	74.7	10 400	59.5	75.9	9 500	28.0
29.0	43.1	70.5	6 800*	47.0	72.1	7 900*	52.5	73.9	9 500	57.5	75.2	8 500	29.0
30.0	40.5	69.3	6 300*	44.6	71.0	7 200*	50.2	73.0	8 600	55.4	74.5	7 700	30.0
31.0	37.7	68.1	5 800*	42.0	69.9	6 700*	47.9	72.1	7 800	53.3	73.8	6 900	31.0
32.0	34.7	66.6	5 300*	39.4	68.7	6 200*	45.5	71.2	7 000	51.1	73.0	6 100	32.0
33.0	31.5	65.0	4 900*	36.5	67.4	5 700*	43.0	70.1	6 300	48.8	72.1	5 400	33.0
34.0	27.9	63.2	4 600*	33.4	65.9	5 300*	40.4	68.9	5 600	46.4	71.1	4 800	34.0
35.0	23.8	61.0	4 200*	30.0	64.2	4 900*	37.6	67.7	4 900	43.9	70.1	4 100	35.0
36.0	18.8	58.3	3 900*	26.3	62.3	4 500*	34.6	66.2	4 300	41.4	69.0	3 500	36.0
37.0				21.9	59.9	4 200*	31.4	64.6	3 700	38.6	67.7	2 900	37.0
38.0				16.3	56.8	3 900*	27.8	62.8	3 200	35.7	66.4	2 400	38.0
39.0							23.6	60.6	2 700				39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)		
10 m/s with 21.3m thru 33.5m Luffing Jib		
7 m/s with 36.6m thru 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			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	
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	17 500				22.0
23.0	59.9	79.4	12 900*	62.8	80.2	14 500*	67.0	81.1	16 100				23.0
24.0	58.1	78.7	12 000*	61.0	79.6	13 500*	65.2	80.6	14 800				24.0
25.0	56.2	78.1	11 200*	59.2	79.0	12 600*	63.5	80.1	13 600				25.0
26.0	54.2	77.4	10 400*	57.3	78.4	11 800*	61.7	79.6	12 500	65.9	80.4	11 400	26.0
27.0	52.2	76.6	9 600*	55.4	77.7	11 000*	59.9	79.0	11 400	64.1	79.9	10 400	27.0
28.0	50.2	75.7	8 900*	53.4	76.9	10 200*	58.0	78.4	10 400	62.3	79.4	9 400	28.0
29.0	48.1	74.8	8 300*	51.4	76.1	9 400*	56.1	77.7	9 500	60.5	78.8	8 500	29.0
30.0	45.9	73.9	7 700*	49.3	75.3	8 800*	54.2	77.0	8 700	58.7	78.2	7 700	30.0
31.0	43.6	72.8	7 100*	47.2	74.4	8 200*	52.2	76.2	7 800	56.8	77.5	6 900	31.0
32.0	41.3	71.7	6 600*	45.0	73.4	7 600*	50.1	75.3	7 100	54.9	76.8	6 200	32.0
33.0	38.8	70.5	6 100*	42.7	72.3	7 000*	48.0	74.4	6 300	52.9	76.1	5 500	33.0
34.0	36.1	69.1	5 700*	40.2	71.1	6 500	45.8	73.5	5 700	50.9	75.3	4 800	34.0
35.0	33.3	67.6	5 300*	37.7	69.8	5 900	43.6	72.4	5 100	48.8	74.4	4 200	35.0
36.0	30.2	65.9	5 000*	35.0	68.4	5 300	41.2	71.3	4 400	46.6	73.5	3 600	36.0
37.0	26.8	64.0	4 600*	32.0	66.8	4 700	38.7	70.1	3 800	44.4	72.4	3 100	37.0
38.0	22.9	61.7	4 300*	28.9	65.1	4 100	36.0	68.7	3 300	42.1	71.3	2 500	38.0
39.0	18.2	58.9	3 300*	25.3	63.0	3 600	33.2	67.2	2 800				39.0
40.0				21.1	60.6	3 100	30.1	65.5	2 300				40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

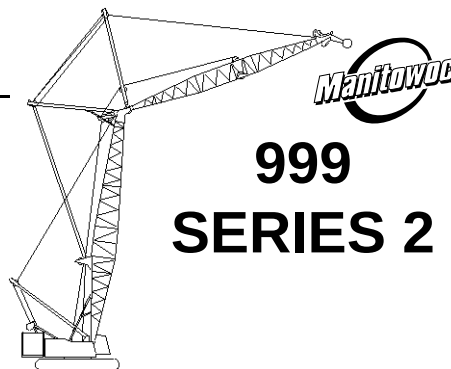
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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			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	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	15 700				23.0
24.0	60.8	82.3	11 300*	63.4	83.1	12 700*	67.3	84.0	14 500				24.0
25.0	59.1	81.7	10 500*	61.8	82.6	11 800*	65.7	83.5	13 300				25.0
26.0	57.4	81.1	9 800*	60.1	82.0	11 000*	64.1	83.0	12 200	67.8	83.7	11 100	26.0
27.0	55.6	80.4	9 200*	58.4	81.4	10 300*	62.4	82.5	11 200	66.2	83.3	10 100	27.0
28.0	53.8	79.7	8 500*	56.7	80.7	9 600*	60.8	81.9	10 200	64.6	82.8	9 100	28.0
29.0	52.0	78.9	8 000*	54.9	80.0	8 900*	59.1	81.3	9 300	63.0	82.3	8 300	29.0
30.0	50.1	78.0	7 500*	53.1	79.2	8 300*	57.3	80.7	8 500	61.4	81.8	7 400	30.0
31.0	48.2	77.2	7 000*	51.2	78.4	7 800*	55.6	80.0	7 700	59.7	81.2	6 700	31.0
32.0	46.1	76.2	6 500*	49.3	77.6	7 300*	53.8	79.3	6 900	58.0	80.5	6 000	32.0
33.0	44.1	75.2	6 100*	47.3	76.7	6 800*	51.9	78.5	6 200	56.2	79.9	5 300	33.0
34.0	41.9	74.1	5 600*	45.3	75.7	6 300	50.0	77.6	5 500	54.4	79.2	4 600	34.0
35.0	39.6	72.9	5 200*	43.2	74.6	5 800	48.1	76.8	4 900	52.6	78.4	4 000	35.0
36.0	37.3	71.6	4 800*	41.0	73.5	5 200	46.1	75.8	4 300	50.7	77.6	3 400	36.0
37.0	34.7	70.1	4 400*	38.7	72.2	4 600	44.0	74.8	3 700	48.8	76.7	2 900	37.0
38.0	32.0	68.6	4 100*	36.2	70.9	4 000	41.8	73.6	3 200	46.8	75.8	2 400	38.0
39.0	29.1	66.8	3 700*	33.6	69.4	3 500	39.6	72.4	2 700				39.0
40.0	25.8	64.8	3 400*	30.9	67.8	3 000							40.0
42.0				24.4	63.8	2 100							42.0



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		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	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																			27.0
28.0																46.4	56.4	13 800	28.0
29.0																39.0	55.2	12 100*	29.0
30.0																29.8	53.5	10 600*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

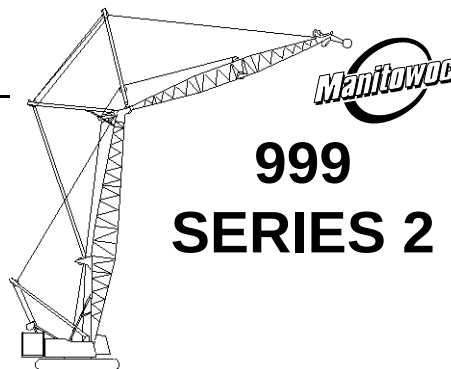
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		Elev. m	Capacity Kilograms
10.7	61.1	61.5	16 700* ^b	57.5 51.4	60.9 60.1	15 200* 12 500*															
11.0	59.2	61.2	15 800* ^b																		
12.0	53.3	60.5	13 100*																		
13.0	46.8	59.6	11 000*																		
14.0	39.5	58.4	9 500*																		
15.0	30.5	56.8	8 300*	44.7	59.1	10 600*	54.8 48.4 41.3 32.8	60.3 59.4 58.3 56.8	14 100* 11 700* 10 000* 8 700*	51.8	59.5	13 100*									
16.0				37.0	57.8	9 100*															
17.0																					
18.0																					
19.0																					
20.0										45.1	58.5	10 900*	58.7 52.7 46.1	59.4 58.6 57.7	16 700* ^b 13 500* 11 300*						
21.0										37.5	57.2	9 400*									
22.0																					
23.0																					
24.0																					
25.0													38.6	56.4	9 800*	46.4 39.0 29.8	56.4 55.2 53.5	11 800* 10 000* 8 600*			
26.0																					
27.0																					
28.0																					
29.0																					
30.0																					



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

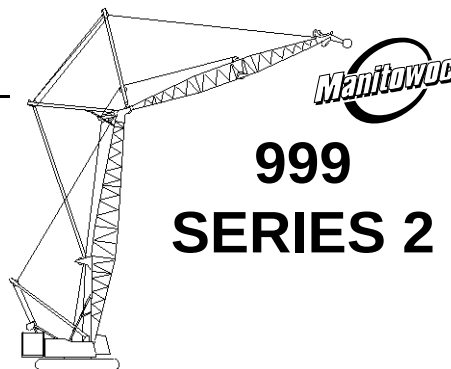
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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*																10.7
11.0	66.0	64.8	20 400*																11.0
12.0	61.7	64.2	16 800*																12.0
13.0	57.2	63.6	14 000*	64.8	64.5	19 500*													13.0
14.0	52.4	62.8	12 100*	60.4	63.9	15 900*													14.0
15.0	47.3	61.9	10 600*	55.8	63.2	13 500*													15.0
16.0	41.6	60.8	9 300*	50.9	62.4	11 700*	62.8	64.0	18 100*										16.0
17.0	35.2	59.4	8 200*	45.7	61.4	10 200*	58.3	63.3	15 000*										17.0
18.0	27.3	57.6	7 300*	39.8	60.3	9 000*	53.6	62.6	12 800*										18.0
19.0				33.0	58.8	8 000*	48.6	61.7	11 100*	60.7	63.3	16 800*							19.0
20.0							43.0	60.7	9 700*	56.1	62.6	14 000*							20.0
21.0							36.8	59.3	8 600*	51.2	61.8	12 000*							21.0
22.0							29.4	57.7	7 600*	46.0	60.8	10 500*							22.0
23.0										40.2	59.6	9 300*	61.3	62.4	17 400*				23.0
24.0										33.4	58.2	8 200*	56.7	61.7	14 800*				24.0
25.0													51.9	60.9	12 500*				25.0
26.0													46.7	60.0	10 900*				26.0
27.0													41.0	58.8	9 600*				27.0
28.0													34.5	57.4	8 500*				28.0
29.0																52.1	59.6	11 200	29.0
30.0																47.0	58.7	10 400	30.0
31.0																41.3	57.6	9 500	31.0
32.0																34.7	56.2	8 600	32.0
33.0																26.8	54.3	7 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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* 7 500*	60.6	61.0	13 900*									15.0	
54.8							60.3	11 200*										16.0	
48.4							59.4	9 500*	63.5	60.9	15 700*							17.0	
41.3							58.3	8 200*	57.8	60.3	12 800*							18.0	
32.8							56.8	7 400*	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

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

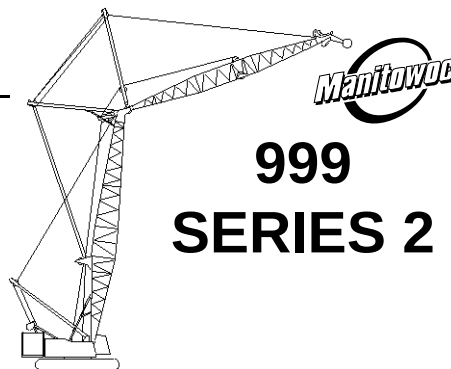
10 m/s with 21.3m thru 33.5m Luffing Jib

7 m/s with 36.6m thru 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 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	67.4	64.9	19 100*															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*	64.8	64.5	17 300*												13.0	
14.0	52.4	62.8	10 800*	60.4	63.9	14 200*												14.0	
15.0	47.3	61.9	9 400*	55.8	63.2	12 000*												15.0	
16.0	41.6	60.8	8 200*	50.9	62.4	10 400*	62.8	64.0	16 000*									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	63.3	14 800*						19.0	
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	61.7	13 000*			24.0	
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	29.0	
30.0																47.0	58.7	30.0	
31.0																41.3	57.6	31.0	
32.0																34.7	56.2	32.0	
33.0																26.8	54.3	33.0	



999 SERIES 2

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	7 800	
32.0													24.2	56.3	6 300*	47.3	61.0	7 100	
33.0																42.7	59.9	6 400	
34.0																37.6	58.6	5 700	
35.0																31.7	57.1	5 100	
36.0																24.6	55.0	4 500	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	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	13 500				26.0
27.0							31.1	61.2	7 000*	42.9	64.4	9 000*	57.9	67.0	12 500				27.0
28.0							25.1	59.2	6 400*	38.7	63.1	8 100*	54.5	66.3	11 500				28.0
29.0										33.9	61.7	7 400*	51.1	65.5	10 600				29.0
30.0										28.4	59.9	6 800*	47.4	64.6	9 800				30.0
31.0													43.5	63.6	9 000				31.0
32.0													39.3	62.3	8 300	54.7	65.0	6 800	32.0
33.0													34.6	60.9	7 600	51.2	64.2	6 200	33.0
34.0													29.2	59.2	6 900	47.6	63.3	5 600	34.0
35.0													22.6	57.0	6 300	43.7	62.3	5 000	35.0
36.0																39.5	61.1	4 400	36.0
37.0																34.8	59.7	3 900	37.0
38.0																29.5	57.9	3 400	38.0
39.0																22.9	55.7	2 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	
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	11 600			28.0	
29.0							33.9	63.8	7 500*	43.8	66.7	9 300*	56.8	69.4	10 700			29.0	
30.0							29.2	62.1	6 900*	40.1	65.5	8 600*	53.9	68.6	9 900			30.0	
31.0							23.6	59.9	6 300*	36.2	64.2	7 900*	50.8	67.8	9 100			31.0	
32.0							16.1	56.9	5 800*	31.8	62.6	7 300*	47.6	66.9	8 400			32.0	
33.0										26.7	60.7	6 700*	44.2	65.9	7 700			33.0	
34.0													40.6	64.7	7 100	54.0	67.3	5 700	34.0
35.0													36.7	63.4	6 500	50.9	66.5	5 100	35.0
36.0													32.4	61.9	5 900	47.8	65.6	4 600	36.0
37.0													27.4	60.0	5 400	44.4	64.6	4 000	37.0
38.0													21.4	57.6	4 900	40.8	63.4	3 500	38.0
39.0																36.9	62.1	3 100	39.0
40.0																32.6	60.6	2 600	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

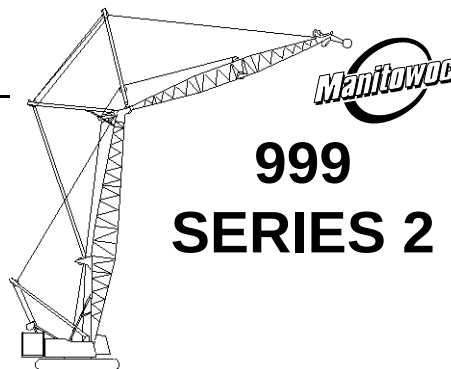
5 m/s with 64.0m thru 73.2m Luffing Jib



999
SERIES 2

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		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	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	18 600							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	17 300							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	16 100							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	15 000							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	14 000							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	13 100							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	10 300				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	9 600				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	8 800				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	8 100				32.0
33.0							27.7	62.9	7 300*	37.8	66.6	8 900*	50.6	70.1	7 500				33.0
34.0							22.4	60.6	6 700*	34.1	65.2	8 200*	47.8	69.2	6 800				34.0
35.0							15.5	57.5	6 300*	30.0	63.5	7 600*	44.8	68.2	6 300				35.0
36.0										25.3	61.5	7 100*	41.7	67.1	5 700	53.4	69.6	4 300	36.0
37.0													38.3	65.8	5 200	50.7	68.8	3 800	37.0
38.0													34.7	64.4	4 700	47.9	67.9	3 300	38.0
39.0													30.6	62.8	4 200	44.9	66.9	2 900	39.0
40.0													26.0	60.8	3 800	41.8	65.8	2 400	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	72.5	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	9 600	
29.0							33.9	63.8	6 900*	43.8	66.7	8 600*	56.8	69.4	8 800	
30.0							29.2	62.1	6 300*	40.1	65.5	7 900*	53.9	68.6	7 900	
31.0							23.6	59.9	5 800*	36.2	64.2	7 200*	50.8	67.8	7 100	
32.0							16.1	56.9	5 400*	31.8	62.6	6 700*	47.6	66.9	6 300	
33.0										26.7	60.7	6 100*	44.2	65.9	5 600	
34.0													40.6	64.7	5 000	
35.0													36.7	63.4	4 400	
36.0													32.4	61.9	3 800	
37.0													27.4	60.0	3 200	
38.0													21.4	57.6	2 700	



Liftcrane Luffing Jib Intermediate Fall Capacities

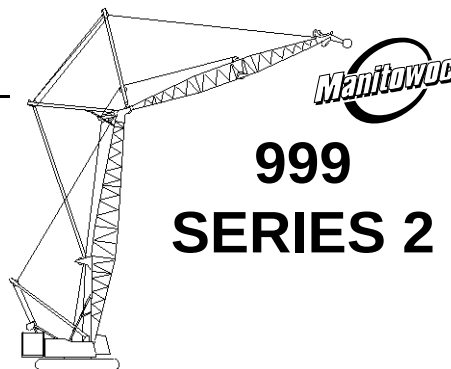
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	16 600				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	15 400				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	14 100				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	13 000				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	12 000				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	11 000				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	10 100	60.9	73.0	8 500	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	9 200	58.5	72.4	7 700	30.0
31.0				25.0	62.0	6 200*	35.9	66.3	7 700*	44.4	69.0	8 400	55.9	71.7	6 900	31.0
32.0				19.0	59.4	5 800*	32.0	64.8	7 100*	41.2	67.9	7 700	53.3	70.9	6 200	32.0
33.0							27.7	62.9	6 600*	37.8	66.6	7 000	50.6	70.1	5 500	33.0
34.0							22.4	60.6	6 100*	34.1	65.2	6 300	47.8	69.2	4 900	34.0
35.0							15.5	57.5	5 700*	30.0	63.5	5 700	44.8	68.2	4 300	35.0
36.0										25.3	61.5	5 100	41.7	67.1	3 700	36.0
37.0													38.3	65.8	3 200	37.0
38.0													34.7	64.4	2 600	38.0
39.0													30.6	62.8	2 100	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	13 000*				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	7 900	28.0
29.0							33.9	63.8	6 300*	43.8	66.7	7 900	56.8	69.4	6 900	29.0
30.0							29.2	62.1	5 800*	40.1	65.5	7 200	53.9	68.6	6 100	30.0
31.0							23.6	59.9	5 300*	36.2	64.2	6 400	50.8	67.8	5 200	31.0
32.0							16.1	56.9	4 900*	31.8	62.6	5 600	47.6	66.9	4 500	32.0
33.0										26.7	60.7	4 900	44.2	65.9	3 800	33.0
34.0													40.6	64.7	3 100	34.0
35.0													36.7	63.4	2 400	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	14 900				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	13 600				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	12 300				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	11 200				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	10 100				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	9 100				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	8 200	60.9	73.0	6 800	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	7 300	58.5	72.4	6 000	30.0
31.0				25.0	62.0	5 700*	35.9	66.3	7 000*	44.4	69.0	6 500	55.9	71.7	5 200	31.0
32.0				19.0	59.4	5 300*	32.0	64.8	6 500*	41.2	67.9	5 700	53.3	70.9	4 400	32.0
33.0							27.7	62.9	5 800	37.8	66.6	5 000	50.6	70.1	3 700	33.0
34.0							22.4	60.6	5 100	34.1	65.2	4 300	47.8	69.2	3 000	34.0
35.0							15.5	57.5	4 400	30.0	63.5	3 600	44.8	68.2	2 400	35.0
36.0										25.3	61.5	3 000				36.0



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	20 500				20.0
21.0	57.8	76.5	13 100*	61.6	77.5	15 400*	66.9	78.5	18 800				21.0
22.0	55.5	75.9	12 000*	59.4	76.9	14 100*	64.8	78.0	17 300				22.0
23.0	53.1	75.1	11 000*	57.1	76.2	12 900*	62.7	77.5	15 900				23.0
24.0	50.7	74.3	10 100*	54.8	75.5	11 800*	60.5	76.9	14 500				24.0
25.0	48.2	73.4	9 400*	52.4	74.8	10 900*	58.3	76.3	13 300	63.8	77.4	12 300	25.0
26.0	45.5	72.4	8 600*	49.9	73.9	10 000*	56.0	75.6	12 100	61.7	76.8	11 100	26.0
27.0	42.8	71.3	8 000*	47.4	73.0	9 300*	53.7	74.9	11 100	59.5	76.2	10 100	27.0
28.0	39.8	70.1	7 400*	44.7	72.0	8 500*	51.3	74.1	10 000	57.2	75.6	9 100	28.0
29.0	36.7	68.8	6 900*	41.9	70.9	8 000*	48.8	73.2	9 100	54.9	74.9	8 200	29.0
30.0	33.3	67.3	6 400*	38.9	69.7	7 400*	46.2	72.3	8 200	52.6	74.1	7 300	30.0
31.0	29.6	65.6	6 000*	35.7	68.3	6 900*	43.4	71.2	7 400	50.1	73.3	6 500	31.0
32.0	25.3	63.6	5 600*	32.2	66.7	6 400*	40.5	70.0	6 700	47.5	72.4	5 800	32.0
33.0	20.1	61.0	5 200*	28.3	64.9	5 900*	37.5	68.8	5 900	44.9	71.4	5 100	33.0
34.0				23.8	62.8	5 500*	34.1	67.3	5 200	42.1	70.3	4 400	34.0
35.0				18.3	60.0	5 200*	30.5	65.6	4 600	39.1	69.0	3 700	35.0
36.0							26.4	63.7	4 000	35.9	67.7	3 100	36.0
37.0							21.5	61.3	3 400	32.4	66.1	2 600	37.0
38.0							15.0	58.0	2 900	28.6	64.3	2 000	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

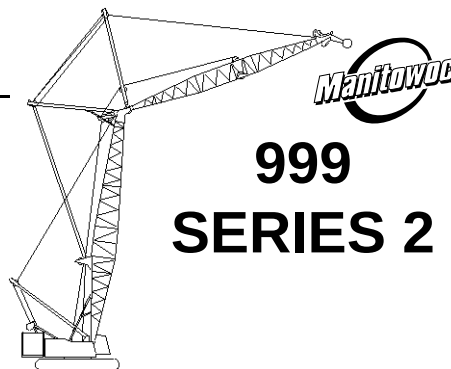
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	
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	17 000				22.0
23.0	57.0	78.9	11 400*	60.5	79.8	13 200*	65.4	80.9	15 600				23.0
24.0	54.9	78.2	10 400*	58.5	79.2	12 200*	63.5	80.4	14 300				24.0
25.0	52.8	77.4	9 500*	56.4	78.6	11 200*	61.5	79.9	13 100	66.4	80.7	12 000	25.0
26.0	50.5	76.6	8 800*	54.3	77.8	10 300*	59.5	79.3	12 000	64.5	80.3	10 900	26.0
27.0	48.2	75.7	8 100*	52.1	77.1	9 500*	57.5	78.6	10 900	62.6	79.7	9 900	27.0
28.0	45.9	74.7	7 400*	49.9	76.2	8 700*	55.4	77.9	9 900	60.6	79.2	8 900	28.0
29.0	43.4	73.7	6 900*	47.5	75.3	8 000*	53.3	77.2	9 000	58.6	78.6	8 000	29.0
30.0	40.8	72.5	6 300*	45.1	74.3	7 400*	51.1	76.4	8 200	56.5	77.9	7 200	30.0
31.0	38.0	71.3	5 800*	42.6	73.2	6 800*	48.8	75.5	7 300	54.4	77.2	6 400	31.0
32.0	35.0	69.8	5 400*	39.9	72.0	6 300*	46.4	74.6	6 600	52.2	76.4	5 700	32.0
33.0	31.8	68.3	5 000*	37.1	70.7	5 800*	44.0	73.5	5 900	50.0	75.6	5 000	33.0
34.0	28.3	66.5	4 600*	34.1	69.3	5 400*	41.4	72.4	5 200	47.7	74.7	4 300	34.0
35.0	24.2	64.3	4 200*	30.8	67.6	4 900*	38.7	71.2	4 600	45.3	73.7	3 700	35.0
36.0	19.4	61.7	3 900*	27.1	65.7	4 500*	35.7	69.8	4 000	42.7	72.6	3 100	36.0
37.0				22.9	63.5	4 200	32.6	68.3	3 400	40.1	71.4	2 500	37.0
38.0				17.7	60.6	3 700	29.1	66.5	2 800	37.3	70.1	2 000	38.0
39.0							25.2	64.5	2 300				39.0



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	16 900				22.0
23.0	60.1	82.5	13 000*	63.2	83.3	14 800*	67.6	84.3	15 500				23.0
24.0	58.3	81.9	12 100*	61.4	82.8	13 700*	65.9	83.8	14 200				24.0
25.0	56.4	81.2	11 300*	59.6	82.2	12 800*	64.1	83.3	13 000				25.0
26.0	54.4	80.5	10 400*	57.7	81.6	11 900*	62.3	82.8	11 900	66.8	83.6	10 800	26.0
27.0	52.5	79.7	9 700*	55.8	80.9	11 200*	60.5	82.2	10 900	65.0	83.2	9 800	27.0
28.0	50.4	78.9	8 900*	53.8	80.1	10 400*	58.7	81.6	9 900	63.3	82.7	8 900	28.0
29.0	48.3	78.0	8 300*	51.8	79.4	9 600*	56.8	81.0	9 000	61.5	82.1	8 000	29.0
30.0	46.1	77.0	7 700*	49.8	78.5	8 900*	54.9	80.3	8 200	59.7	81.5	7 200	30.0
31.0	43.9	76.0	7 100*	47.7	77.6	8 200	52.9	79.5	7 400	57.8	80.9	6 400	31.0
32.0	41.5	74.9	6 600*	45.5	76.6	7 700	50.9	78.7	6 700	55.9	80.2	5 700	32.0
33.0	39.0	73.7	6 200*	43.2	75.6	7 000	48.8	77.8	6 000	54.0	79.5	5 000	33.0
34.0	36.4	72.3	5 700*	40.8	74.4	6 300	46.7	76.9	5 300	52.0	78.7	4 400	34.0
35.0	33.6	70.8	5 300*	38.2	73.1	5 600	44.4	75.9	4 700	49.9	77.9	3 700	35.0
36.0	30.5	69.2	5 000*	35.6	71.8	5 000	42.1	74.8	4 000	47.8	77.0	3 200	36.0
37.0	27.2	67.3	4 600*	32.7	70.2	4 400	39.6	73.6	3 500	45.6	76.0	2 600	37.0
38.0	23.3	65.0	4 200*	29.6	68.5	3 900	37.0	72.2	2 900	43.3	74.9	2 100	38.0
39.0	18.7	62.3	3 400*	26.1	66.5	3 300	34.3	70.8	2 400				39.0
40.0				22.1	64.2	2 900							40.0



Liftcrane Luffing Jib Intermediate Fall Capacities

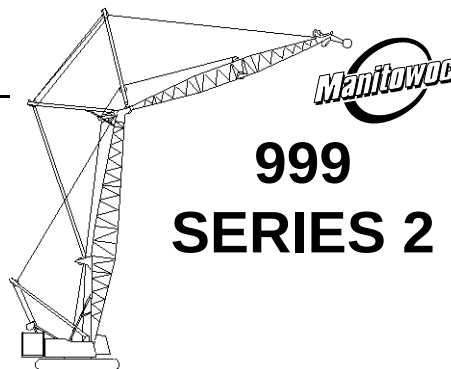
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			Int. Fall Oper. Rad. m
	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	
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	15 100	
24.0	61.0	85.4	11 400*	63.8	86.2	13 000*	67.9	87.2	13 900	
25.0	59.3	84.8	10 600*	62.1	85.7	12 000*	66.3	86.7	12 700	
26.0	57.6	84.2	9 900*	60.5	85.1	11 200*	64.7	86.2	11 600	
27.0	55.8	83.5	9 200*	58.8	84.5	10 500*	63.0	85.7	10 600	
28.0	54.0	82.8	8 600*	57.0	83.9	9 800*	61.4	85.2	9 700	
29.0	52.2	82.0	8 100*	55.3	83.2	9 100*	59.7	84.6	8 800	
30.0	50.3	81.2	7 600*	53.5	82.4	8 500*	58.0	84.0	8 000	
31.0	48.4	80.3	7 000*	51.6	81.7	7 900*	56.2	83.3	7 200	
32.0	46.4	79.3	6 600*	49.7	80.8	7 400*	54.5	82.6	6 500	
33.0	44.3	78.3	6 100*	47.8	79.9	6 800	52.6	81.8	5 800	
34.0	42.1	77.2	5 700*	45.7	78.9	6 100	50.8	81.0	5 100	
35.0	39.9	76.0	5 200*	43.6	77.9	5 500	48.8	80.1	4 500	
36.0	37.5	74.7	4 800*	41.5	76.8	4 900	46.8	79.2	3 900	
37.0	35.0	73.3	4 400*	39.2	75.5	4 300	44.8	78.2	3 300	
38.0	32.3	71.8	4 100*	36.8	74.2	3 800	42.7	77.1	2 800	
39.0	29.4	70.0	3 700*	34.2	72.8	3 300	40.4	75.9	2 300	
40.0	26.2	68.1	3 200*	31.5	71.2	2 800				



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	13 300b	
29.0																46.7	59.3	12 400	
30.0																39.3	58.1	11 600	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	17 200* b																10.7														
11.0	59.8	64.4	16 300* b																11.0														
12.0	54.0	63.6	13 400*																12.0														
13.0	47.6	62.7	11 200*																13.0														
14.0	40.3	61.6	9 700*																14.0														
15.0	31.6	60.0	8 400*	46.2	62.4	11 000*	57.0	63.6	15 400* b										15.0														
16.0				38.8	61.2	9 500*													50.9	62.8	12 600*	16.0											
17.0																			44.1	61.8	10 700*	17.0											
18.0																					10 700*	18.0											
19.0																					9 200*	55.1	62.9	14 600*	19.0								
20.0																			20.0														
21.0																								41.7	60.9	10 300*	21.0						
22.0																								33.3	59.5	8 900*	22.0						
23.0																											57.4	62.2	16 100*	23.0			
24.0																											51.4	61.4	13 400*	24.0			
25.0																			25.0														
26.0																								36.9	59.1	9 600*	26.0						
27.0																								27.1	57.3	8 300*	27.0						
28.0																														53.2	60.2	12 300	28.0
29.0																														46.7	59.3	11 400	29.0
30.0																														39.3	58.1	10 200	30.0



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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*															13.0						
14.0	40.3	61.6	8 500*															14.0						
15.0	31.6	60.0	7 300*	52.8	63.3	11 400*												15.0						
16.0				46.2	62.4	9 700*												16.0						
17.0				38.8	61.2	8 300*												57.0	63.6	13 500*	17.0			
18.0																		50.9	62.8	11 000*	66.3	64.2	20 100*b	18.0
19.0																		44.1	61.8	9 300*	60.9	63.6	15 800*	19.0
20.0							36.2	60.4	8 000*	55.1	62.9	12 500*						20.0						
21.0										48.8	62.0	10 600*						21.0						
22.0										41.7	60.9	9 000*						22.0						
23.0										33.3	59.5	7 800*						23.0						
24.0																		57.4	62.2	14 100*	24.0			
25.0													51.4	61.4	11 800*			25.0						
26.0													44.6	60.4	9 700*			26.0						
27.0													36.9	59.1	8 400*			27.0						
28.0													27.1	57.3	7 200*			28.0						
29.0																53.2	60.2	11 500						
30.0																46.7	59.3	10 500*						
																39.3	58.1	9 000*						



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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*																					
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*															
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*												
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										29.8	60.3	7 800*	55.8	64.5	14 500*									
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	9 600						
31.0																						47.2	61.6	8 800
32.0																						41.5	60.5	8 100
33.0																						35.0	59.1	7 400



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	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	61.7	64.6	14 100*																10.7
11.0	59.8	64.4	13 300*																11.0
12.0	54.0	63.6	11 000*																12.0
13.0	47.6	62.7	9 200*	58.7	64.1	13 100*													13.0
14.0	40.3	61.6	7 900*	52.8	63.3	10 600*	68.0	64.8	19 500*										14.0
15.0	31.6	60.0	6 900*	46.2	62.4	9 000*	62.6	64.3	15 300*										15.0
16.0				38.8	61.2	7 800*	57.0	63.6	12 100*										16.0
17.0							50.9	62.8	10 200*	66.3	64.2	18 100*							17.0
18.0							44.1	61.8	8 700*	60.9	63.6	14 400*							18.0
19.0							36.2	60.4	7 500*	55.1	62.9	11 600*							19.0
20.0										48.8	62.0	9 800*							20.0
21.0										41.7	60.9	8 400*							21.0
22.0										33.3	59.5	7 200*							22.0
23.0													57.4	62.2	12 800*				23.0
24.0													51.4	61.4	10 800*				24.0
25.0													44.6	60.4	9 000*				25.0
26.0													36.9	59.1	7 800*				26.0
27.0													27.1	57.3	6 800*				27.0
28.0																53.2	60.2	9 800	28.0
29.0																46.7	59.3	8 800	29.0
30.0																39.3	58.1	7 800	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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	8 700	29.0
30.0													24.3	58.0	6 500*	52.3	62.5	7 900	30.0
31.0																47.2	61.6	7 100	31.0
32.0																41.5	60.5	6 300	32.0
33.0																35.0	59.1	5 600	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)
10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		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	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	13 000			26.0	
27.0										33.9	63.0	7 100*	54.6	66.8	11 900			27.0	
28.0										27.3	61.1	6 500*	50.6	66.0	10 700*			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	7 100	
32.0													30.1	60.9	6 800*	51.8	64.8	6 400	
33.0													22.4	58.7	6 100*	47.5	63.9	5 700	
34.0																42.9	62.8	5 100	
35.0																37.8	61.6	4 500	
36.0																32.0	60.0	3 900	



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

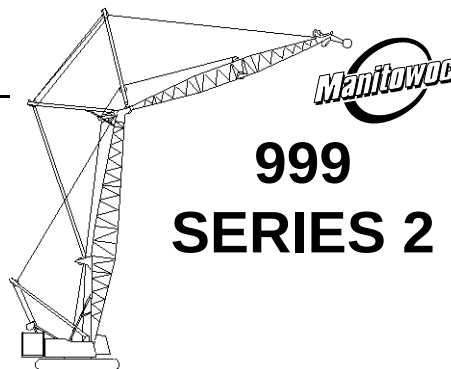
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	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	10 800				28.0
29.0										36.5	65.5	7 800*	53.8	69.1	9 900				29.0
30.0										31.4	63.9	7 100*	50.3	68.3	9 100				30.0
31.0										25.4	61.9	6 500*	46.6	67.3	8 400				31.0
32.0										17.3	59.1	5 900*	42.6	66.3	7 700				32.0
33.0													38.3	65.0	7 000				33.0
34.0													33.5	63.5	6 300	51.4	67.1	4 900	34.0
35.0													28.0	61.7	5 700	47.7	66.2	4 300	35.0
36.0													21.0	59.3	5 200	43.8	65.2	3 800	36.0
37.0																39.6	64.0	3 300	37.0
38.0																35.0	62.6	2 800	38.0
39.0																29.7	60.9	2 300	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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 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	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	19 600						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	16 300						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	10 000			29.0	
30.0							31.0	65.8	7 100*	42.1	69.2	9 000*	56.2	72.2	9 200			30.0	
31.0							25.8	63.8	6 500*	38.3	67.9	8 200*	53.2	71.4	8 500			31.0	
32.0							19.2	61.2	6 000*	34.1	66.5	7 600*	50.2	70.6	7 800			32.0	
33.0										29.5	64.8	7 000*	46.9	69.6	7 100			33.0	
34.0										23.9	62.6	6 500*	43.5	68.6	6 500			34.0	
35.0										16.5	59.7	6 000*	39.8	67.4	5 900			35.0	
36.0													35.9	66.0	5 400	51.1	69.4	3 900	36.0
37.0													31.4	64.5	4 800	47.9	68.5	3 400	37.0
38.0													26.3	62.5	4 300	44.5	67.5	2 900	38.0
39.0													19.8	60.0	3 900	41.0	66.4	2 500	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

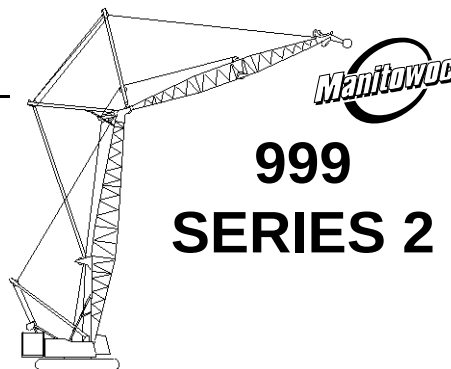
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	23 600							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	17 800				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	16 600				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	15 400				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	14 300				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	13 400				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	12 500				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	11 600	62.8	76.4	9 600	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	10 800	60.4	75.8	8 800	30.0
31.0				26.1	65.5	7 000*	37.3	69.9	8 700*	46.0	72.6	10 000	57.9	75.2	8 100	31.0
32.0				20.4	63.1	6 500*	33.5	68.4	8 000*	42.9	71.5	9 300	55.4	74.5	7 500	32.0
33.0							29.4	66.7	7 400*	39.6	70.3	8 600	52.8	73.7	6 900	33.0
34.0							24.5	64.6	6 900*	36.1	69.0	8 000	50.0	72.9	6 200	34.0
35.0							18.4	61.8	6 500*	32.3	67.4	7 400	47.2	71.9	5 700	35.0
36.0										27.9	65.6	6 800	44.2	70.9	5 100	36.0
37.0										22.7	63.3	6 300	41.0	69.8	4 600	37.0
38.0										15.9	60.3	5 800	37.6	68.5	4 100	38.0
39.0													33.8	67.0	3 700	39.0
40.0													29.7	65.3	3 200	40.0
42.0													18.9	60.6	2 400	42.0



**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	17 700				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	16 200				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	14 800				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	13 400*				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	8 100	29.0
30.0							31.0	65.8	6 500*	42.1	69.2	8 300*	56.2	72.2	7 300	30.0
31.0							25.8	63.8	6 000*	38.3	67.9	7 600*	53.2	71.4	6 500	31.0
32.0							19.2	61.2	5 500*	34.1	66.5	7 000*	50.2	70.6	5 800	32.0
33.0										29.5	64.8	6 400*	46.9	69.6	5 100	33.0
34.0										23.9	62.6	5 900	43.5	68.6	4 500	34.0
35.0										16.5	59.7	5 300	39.8	67.4	3 800	35.0
36.0													35.9	66.0	3 300	36.0
37.0													31.4	64.5	2 700	37.0
38.0													26.3	62.5	2 200	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

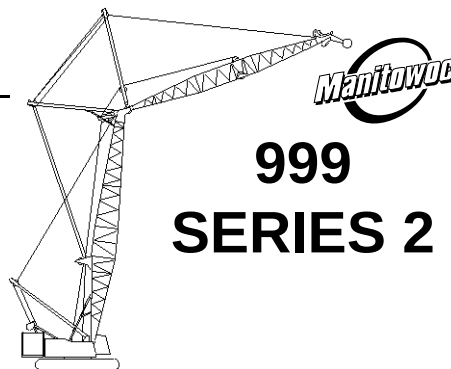
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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

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	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	21 800							20.0
21.0	53.9	75.9	12 200*	58.5	77.1	14 600*	65.0	78.3	19 600							21.0
22.0	51.2	75.1	11 100*	56.0	76.4	13 200*	62.7	77.8	17 600*							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	15 900				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	14 700				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	13 500				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	12 400				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	11 400				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	10 400				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	9 500	62.8	76.4	7 800	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	8 700	60.4	75.8	7 000	30.0
31.0				26.1	65.5	6 300*	37.3	69.9	7 900*	46.0	72.6	7 900	57.9	75.2	6 300	31.0
32.0				20.4	63.1	5 900*	33.5	68.4	7 300*	42.9	71.5	7 200	55.4	74.5	5 600	32.0
33.0							29.4	66.7	6 800*	39.6	70.3	6 500	52.8	73.7	4 900	33.0
34.0							24.5	64.6	6 300*	36.1	69.0	5 900	50.0	72.9	4 300	34.0
35.0							18.4	61.8	5 900*	32.3	67.4	5 200	47.2	71.9	3 700	35.0
36.0										27.9	65.6	4 600	44.2	70.9	3 100	36.0
37.0										22.7	63.3	4 100	41.0	69.8	2 600	37.0
38.0										15.9	60.3	3 600	37.6	68.5	2 100	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	15 900				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	14 400				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	13 100				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	11 900				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	10 700				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	9 600				27.0
28.0				27.5	64.8	5 500*	39.6	68.8	7 100*	48.9	71.2	8 600				28.0
29.0							35.5	67.4	6 500*	45.6	70.3	7 700	59.0	72.8	6 400	29.0
30.0							31.0	65.8	6 000*	42.1	69.2	6 800	56.2	72.2	5 500	30.0
31.0							25.8	63.8	5 500*	38.3	67.9	5 900	53.2	71.4	4 700	31.0
32.0							19.2	61.2	5 100*	34.1	66.5	5 200	50.2	70.6	3 900	32.0
33.0										29.5	64.8	4 400	46.9	69.6	3 200	33.0
34.0										23.9	62.6	3 700	43.5	68.6	2 500	34.0
35.0										16.5	59.7	3 100	39.8	67.4	1 900	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities

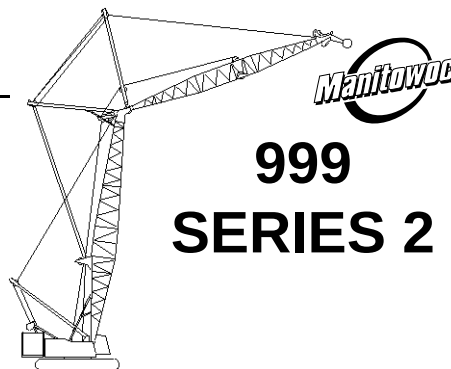
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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	20 000						20.0	
21.0	53.9	75.9	11 100*	58.5	77.1	13 400*	65.0	78.3	18 000						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	14 200			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	12 900			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	11 700			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	10 600			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	9 500			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	8 600			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	7 700	62.8	76.4	6 200	
30.0	21.7	63.7	5 300*	30.7	67.5	6 200*	40.7	71.2	7 700	48.9	73.5	6 800	60.4	75.8	5 400	
31.0				26.1	65.5	5 800*	37.3	69.9	6 900	46.0	72.6	6 000	57.9	75.2	4 600	
32.0				20.4	63.1	5 300*	33.5	68.4	6 100	42.9	71.5	5 200	55.4	74.5	3 900	
33.0							29.4	66.7	5 400	39.6	70.3	4 500	52.8	73.7	3 200	
34.0							24.5	64.6	4 700	36.1	69.0	3 900	50.0	72.9	2 600	
35.0							18.4	61.8	4 100	32.3	67.4	3 200	47.2	71.9	1 900	
36.0										27.9	65.6	2 600			36.0	



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds (all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	19 800				20.0
21.0	58.0	79.7	13 200*	62.0	80.6	15 800*	67.7	81.7	18 200				21.0
22.0	55.7	79.0	12 100*	59.8	80.0	14 400*	65.6	81.2	16 600				22.0
23.0	53.4	78.2	11 100*	57.6	79.4	13 100*	63.5	80.7	15 200				23.0
24.0	51.0	77.4	10 200*	55.3	78.7	12 000*	61.4	80.2	13 900				24.0
25.0	48.4	76.5	9 400*	52.9	78.0	11 100*	59.2	79.6	12 700	64.9	80.6	11 600	25.0
26.0	45.8	75.6	8 700*	50.5	77.1	10 200*	56.9	78.9	11 600	62.8	80.1	10 500	26.0
27.0	43.1	74.5	8 000*	47.9	76.2	9 400*	54.6	78.2	10 500	60.7	79.5	9 500	27.0
28.0	40.2	73.3	7 400*	45.3	75.2	8 700*	52.2	77.4	9 600	58.4	78.9	8 500	28.0
29.0	37.0	72.0	6 900*	42.5	74.2	8 000*	49.7	76.6	8 700	56.2	78.3	7 700	29.0
30.0	33.7	70.5	6 400*	39.6	73.0	7 500*	47.2	75.6	7 800	53.8	77.5	6 800	30.0
31.0	30.0	68.9	6 000*	36.4	71.6	6 900*	44.5	74.6	7 000	51.4	76.7	6 000	31.0
32.0	25.8	66.9	5 600*	33.0	70.1	6 400*	41.6	73.5	6 300	48.9	75.8	5 300	32.0
33.0	20.7	64.4	5 200*	29.2	68.4	6 000*	38.6	72.3	5 500	46.3	74.9	4 600	33.0
34.0				24.9	66.3	5 600	35.4	70.9	4 800	43.6	73.9	4 000	34.0
35.0				19.6	63.7	5 200	31.9	69.3	4 200	40.7	72.7	3 300	35.0
36.0							28.0	67.5	3 600	37.6	71.4	2 700	36.0
37.0							23.4	65.3	3 000				37.0
38.0							17.7	62.4	2 500				38.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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			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	
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	16 300				22.0
23.0	57.2	82.0	11 400*	60.9	83.0	13 500*	66.1	84.1	15 000				23.0
24.0	55.1	81.3	10 500*	58.9	82.4	12 400*	64.2	83.6	13 700				24.0
25.0	53.0	80.5	9 600*	56.8	81.7	11 400*	62.3	83.1	12 500				25.0
26.0	50.8	79.7	8 800*	54.7	81.0	10 400*	60.3	82.5	11 400	65.5	83.5	10 200	26.0
27.0	48.5	78.8	8 100*	52.6	80.3	9 600*	58.3	81.9	10 400	63.6	83.0	9 300	27.0
28.0	46.1	77.9	7 400*	50.3	79.4	8 800*	56.2	81.2	9 400	61.6	82.5	8 300	28.0
29.0	43.6	76.8	6 900*	48.0	78.5	8 100*	54.1	80.5	8 500	59.6	81.9	7 400	29.0
30.0	41.0	75.7	6 300*	45.6	77.6	7 500*	51.9	79.7	7 700	57.6	81.3	6 600	30.0
31.0	38.3	74.4	5 800*	43.1	76.5	6 900*	49.7	78.9	6 900	55.5	80.6	5 900	31.0
32.0	35.4	73.0	5 300*	40.5	75.3	6 300*	47.3	78.0	6 200	53.4	79.8	5 200	32.0
33.0	32.2	71.5	4 900*	37.7	74.1	5 900*	44.9	77.0	5 500	51.2	79.0	4 500	33.0
34.0	28.7	69.7	4 600*	34.8	72.6	5 400*	42.4	75.9	4 800	48.9	78.1	3 800	34.0
35.0	24.7	67.6	4 200*	31.5	71.0	5 000*	39.7	74.7	4 200	46.6	77.2	3 200	35.0
36.0	20.0	65.0	3 900*	27.9	69.2	4 500	36.9	73.3	3 600	44.1	76.2	2 700	36.0
37.0				23.8	67.0	4 000	33.8	71.9	3 000				37.0
38.0				18.9	64.3	3 500	30.5	70.2	2 500				38.0



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			Int. Fall Oper. Rad. m
	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	
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	16 200	22.0
23.0	60.3	85.6	13 200*	63.5	86.5	15 000*	68.2	87.4	14 800	23.0
24.0	58.5	85.0	12 300*	61.8	85.9	14 000*	66.5	87.0	13 600	24.0
25.0	56.6	84.3	11 400*	59.9	85.4	13 000*	64.8	86.5	12 400	25.0
26.0	54.6	83.6	10 500*	58.1	84.7	12 200*	63.0	86.0	11 400	26.0
27.0	52.7	82.8	9 700*	56.2	84.1	11 300*	61.2	85.5	10 400	27.0
28.0	50.6	82.0	8 900*	54.3	83.3	10 500*	59.4	84.9	9 500	28.0
29.0	48.5	81.1	8 300*	52.3	82.6	9 700	57.5	84.2	8 600	29.0
30.0	46.4	80.2	7 700*	50.2	81.7	8 900	55.6	83.6	7 700	30.0
31.0	44.1	79.2	7 100*	48.1	80.8	8 100	53.7	82.8	6 900	31.0
32.0	41.8	78.0	6 500*	45.9	79.9	7 300	51.7	82.0	6 200	32.0
33.0	39.3	76.8	6 000*	43.7	78.8	6 600	49.6	81.2	5 500	33.0
34.0	36.7	75.5	5 500*	41.3	77.7	5 900	47.5	80.3	4 900	34.0
35.0	33.9	74.0	5 100*	38.8	76.5	5 300	45.3	79.3	4 300	35.0
36.0	30.9	72.4	4 700*	36.2	75.1	4 700	43.0	78.2	3 700	36.0
37.0	27.5	70.5	4 400*	33.3	73.6	4 100	40.6	77.0	3 100	37.0
38.0	23.8	68.3	3 900*	30.2	71.9	3 500	38.0	75.8	2 600	38.0
39.0	19.3	65.7	3 200*	26.8	70.0	3 000	35.3	74.4	2 100	39.0
40.0				23.0	67.8	2 500				40.0



**999
SERIES 2**

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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		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											
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																																
17.0							53.2	66.1	16 400*b																							
18.0																																
19.0																						46.7	65.2	14 000*								
20.0																						39.3	64.0	11 900*								
21.0																									52.2	65.5	16 300*					
22.0										45.6	64.6	13 900*																				
23.0																																
24.0																																
25.0																																
26.0																																
27.0													50.0	64.1	15 900*b																	
28.0																																
29.0																																
30.0																																
31.0																																
32.0																																
										</																						



999 SERIES 2

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

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 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	17 800*b															10.7	
11.0	60.4	67.5	16 800*b															11.0	
12.0	54.6	66.8	13 800*															12.0	
13.0	48.3	65.9	11 500*															13.0	
14.0	41.1	64.7	9 900*	54.1	66.6	13 800*												14.0	
15.0	32.6	63.3	8 600*	47.7	65.7	11 600*												15.0	
16.0				40.5	64.5	9 900*												16.0	
17.0							53.2	66.1	13 700*									17.0	
18.0							46.7	65.2	11 600*									18.0	
19.0							39.3	64.0	9 800*	58.2	66.3	16 600*b						19.0	
20.0										52.2	65.5	13 400*						20.0	
21.0										45.6	64.6	11 300*						21.0	
22.0										38.0	63.3	9 700*						22.0	
23.0													61.9	65.6	18 500b			23.0	
24.0													56.2	65.0	15 600			24.0	
25.0													50.0	64.1	13 000*			25.0	
26.0													43.1	63.1	11 000*			26.0	
27.0													35.0	61.7	9 400*			27.0	
28.0																		28.0	
29.0																53.5	63.1	10 600	29.0
30.0																47.0	62.2	9 800	30.0
31.0																39.7	61.0	9 100	31.0
32.0																30.7	59.4	8 300	32.0



**999
SERIES 2**

Liftcrane Luffing Jib Intermediate Fall Capacities

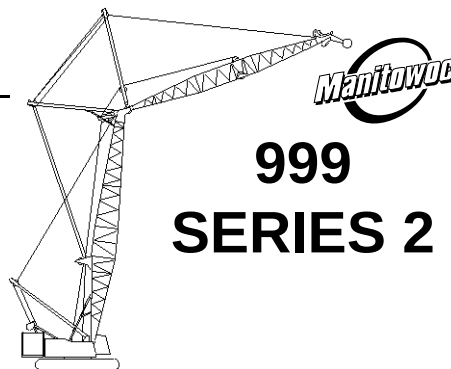
Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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															10.7			
11.0	60.4	67.5	14 800*b															11.0			
12.0	54.6	66.8	12 100*															12.0			
13.0	48.3	65.9	10 000*															59.9	67.3	14 900*	13.0
14.0	41.1	64.7	8 600*															54.1	66.6	12 000*	14.0
15.0	32.6	63.3	7 400*	47.7 40.5	65.7 64.5	10 000* 8 600*	59.1 53.2 46.7 39.3	66.9 66.1 65.2 64.0	14 800*b 11 900* 10 000* 8 500*								15.0				
16.0																	16.0				
17.0																	17.0				
18.0																	18.0				
19.0																	19.0				
20.0										52.2 45.6 38.0	65.5 64.6 63.3	11 800* 9 900* 8 400*					20.0				
21.0																	21.0				
22.0																	22.0				
23.0																	61.9	65.6	17 400*	23.0	
24.0																	56.2	65.0	14 000*	24.0	
25.0													50.0 43.1 35.0	64.1 63.1 61.7	11 300* 9 600* 8 200*			25.0			
26.0																		26.0			
27.0																		27.0			
28.0																		28.0			
29.0																		53.5	63.1	9 800	29.0
30.0																	30.0				
31.0																	47.0	62.2	9 000	30.0	
32.0																	39.7	61.0	8 200	31.0	
																		32.0			



Liftcrane Luffing Jib Intermediate Fall Capacities

**999
SERIES 2**

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

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

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

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															10.7																									
11.0	66.9	71.0	21 700*b															11.0																									
12.0	62.7	70.4	17 700*															12.0																									
13.0	58.2	69.8	14 700*															13.0																									
14.0	53.5	69.1	12 700*															14.0																									
15.0	48.4	68.2	11 000*	57.8	69.6	14 700*	66.0	70.4	21 800*b									15.0																									
16.0	42.9	67.1	9 600*	53.1	68.9	12 600*												16.0																									
17.0	36.7	65.8	8 500*	48.0	68.0	11 000*												17.0																									
18.0	29.2	64.1	7 500*	42.4	66.9	9 600*												18.0																									
19.0				36.0	65.5	8 500*												19.0																									
20.0							47.2	67.5	10 900*	60.9	69.3	17 400*						20.0																									
21.0							41.5	66.4	9 600*	56.4	68.6	14 700*						21.0																									
22.0							35.0	65.0	8 500*	51.5	67.8	12 500*						22.0																									
23.0										46.3	66.9	10 800*						23.0																									
24.0										40.5	65.7	9 500*						24.0																									
25.0										33.9	64.3	8 400*	59.4	68.0	15 100				25.0																								
26.0													54.8	67.3	14 000				26.0																								
27.0													49.8	66.4	12 300				27.0																								
28.0													44.4	65.4	10 600*				28.0																								
29.0													38.4	64.2	9 300*				29.0																								
30.0													31.3	62.6	8 200*	52.5	65.4	8 100	30.0																								
31.0																									31.0																		
32.0																																		32.0									
33.0																																											33.0
34.0																																											
35.0																35.0																											



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

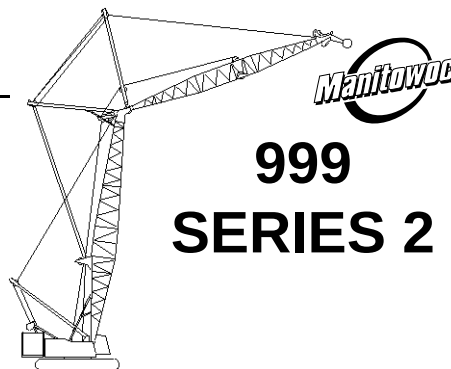
Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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 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	14 500*	59.9	67.3	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	8 100			
30.0																47.0	62.2	7 200	30.0		
31.0																39.7	61.0	6 400	31.0		
32.0																30.7	59.4	5 500	32.0		



999 SERIES 2

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

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

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	13 400			25.0	
26.0													54.8	67.3	12 300			26.0	
27.0													49.8	66.4	10 700			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	6 400	
32.0																47.4	64.5	5 700	
33.0																41.8	63.4	5 000	
34.0																35.3	62.0	4 300	
35.0																27.5	60.2	3 700	



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

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

**999
SERIES 2**

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		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	72.1	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*																13.0								
14.0	60.5	72.8	14 300*	70.7	74.1	23 300*													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*							61.4	71.0	12 300			25.0			
26.0										42.1	68.1	8 500*												42.1	68.1	8 500*	26.0
27.0										36.9	66.8	7 600*												57.7	70.3	11 300	27.0
28.0										30.9	65.2	6 800*	53.8	69.6	10 400	28.0											
29.0													49.7	68.7	9 500				29.0								
30.0													45.2	67.7	8 600	56.0	68.5	5 700	30.0								
31.0													40.4	66.6	7 900				31.0								
32.0													35.0	65.2	7 200				32.0								
33.0													28.6	63.4	6 500				51.9	67.7	5 100	33.0					
34.0																47.7	66.8	4 400	34.0								
35.0																43.1	65.7	3 900	35.0								
36.0																38.0	64.5	3 300	36.0								
37.0																32.3	63.0	2 800	37.0								
38.0																25.3	61.0	2 300	38.0								



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(all boom lengths)

10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	
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	18 300				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	14 200*				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	10 100	28.0
29.0										38.9	69.2	8 300*	56.5	72.6	9 300	29.0
30.0										34.2	67.8	7 500*	53.1	71.9	8 500	30.0
31.0										28.7	66.0	6 900*	49.6	71.0	7 700	31.0
32.0										22.0	63.7	6 300*	45.8	70.1	7 000	32.0
33.0													41.8	69.0	6 400	33.0
34.0													37.4	67.7	5 700	34.0
35.0													32.4	66.1	5 200	35.0
36.0													26.6	64.2	4 600	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On

Boom No. 82

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

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

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

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

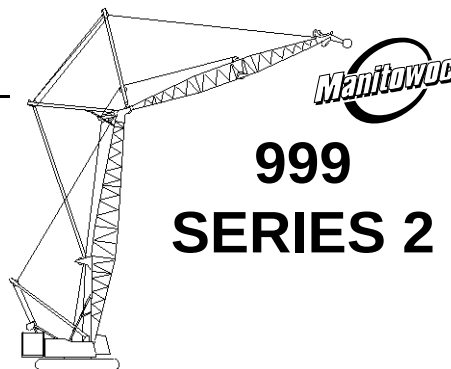
5 m/s with 64.0m thru 73.2m Luffing Jib



999 SERIES 2

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			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	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	17 400				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	16 200				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	15 100				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	12 600*				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	9 300	29.0
30.0							32.8	69.4	7 300*	44.0	72.8	9 400*	58.4	75.6	8 500	30.0
31.0							27.9	67.6	6 700*	40.3	71.6	8 700*	55.6	74.9	7 800	31.0
32.0							21.9	65.3	6 200*	36.4	70.3	7 900*	52.6	74.2	7 100	32.0
33.0										32.0	68.7	7 300*	49.5	73.3	6 500	33.0
34.0										27.0	66.8	6 800*	46.2	72.4	5 900	34.0
35.0										20.8	64.4	6 200*	42.8	71.3	5 300	35.0
36.0													39.0	70.1	4 800	36.0
37.0													35.0	68.7	4 300	37.0
38.0													30.4	67.0	3 800	38.0
39.0													25.1	65.0	3 300	39.0



999 SERIES 2

**Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating**

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

**10 m/s with 21.3m thru 33.5m Luffing Jib
7 m/s with 36.6m thru 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			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	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	23 000							20.0
21.0	54.2	79.1	13 500*	59.0	80.3	16 300*	65.9	81.5	21 400							21.0
22.0	51.5	78.3	12 300*	56.5	79.6	14 800*	63.5	81.0	19 800							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	16 400*							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	14 700				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	13 600				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	12 700				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	11 800				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	11 000				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	10 200				30.0
31.0				27.1	69.0	7 100*	38.6	73.4	8 900*	47.5	76.1	9 500	59.9	78.6	7 500	31.0
32.0				21.8	66.7	6 600*	35.0	72.0	8 300*	44.6	75.1	8 800	57.4	78.0	6 800	32.0
33.0							31.0	70.4	7 700*	41.4	74.0	8 100	54.8	77.3	6 200	33.0
34.0							26.4	68.4	7 100*	38.0	72.7	7 500	52.2	76.5	5 600	34.0
35.0							20.9	66.0	6 600*	34.3	71.3	6 900	49.4	75.6	5 100	35.0
36.0										30.3	69.6	6 300	46.5	74.7	4 500	36.0
37.0										25.6	67.6	5 800	43.5	73.6	4 100	37.0
38.0										19.8	65.0	5 300	40.3	72.5	3 600	38.0
39.0													36.8	71.1	3 100	39.0
40.0													33.0	69.6	2 700	40.0