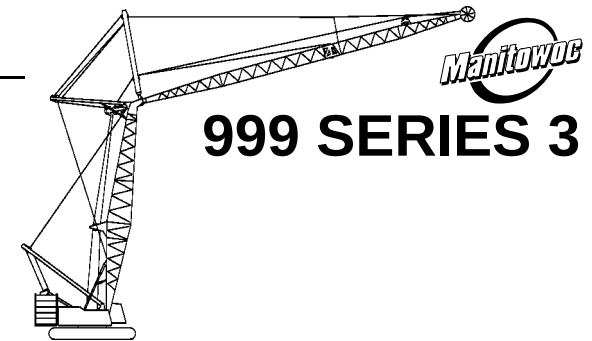


Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



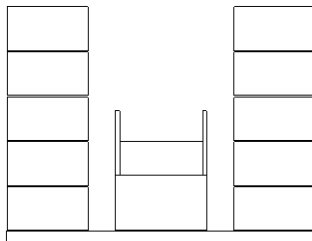
999 SERIES 3

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths and intermediate fall operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 360 kg minimum hook and weight ball.

Lower boom point assembly must be completely removed on 57.9m and 61.0m boom lengths.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and intermediate fall is considered part of intermediate fall load. 1 360 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. A09286** (No. 22EL) or **No. A09287** (No. 82), Wire Rope Specification chart **No. 8247-A** and Luffing Jib Raising Procedure chart **No. 8248-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.



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

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8249-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line. 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 or four 35 mm boom pendants, 8 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

Consult chart **No. 8237-AM** for luffing jib capacities. Consult chart **No. 8243-AM** for lifting off lower boom point with luffing jib attached.

Fixed jib No. 138 must be removed before use of this chart.

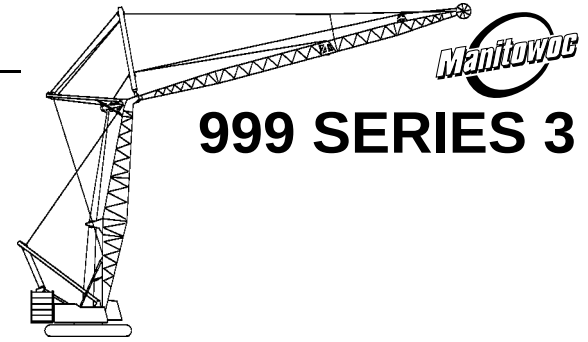
Boom Catwalks Deduct

Deduct 150 kg from capacities
when boom catwalks are attached.

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

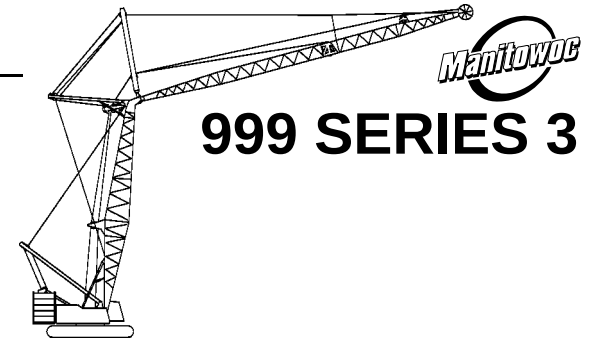
21.3m (70 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	
10.7	68.7	41.7	6 800 *																			10.7
12.0	64.4	41.1	6 800 *																			12.0
14.0	57.6	40.0	6 800 *	63.9	40.8	6 800 *																14.0
16.0	50.2	38.5	6 500 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *													16.0
18.0	41.9	36.4	5 600 *	49.6	38.1	6 500 *	53.8	38.8	6 800 *													18.0
20.0	31.7	33.6	4 600 *	41.2	36.0	5 500 *	46.0	37.1	6 100 *	53.1	38.2	6 700 *										20.0
22.0				30.9	33.2	4 600 *	36.9	34.7	5 000 *	45.2	36.4	6 100 *	52.2	37.4	6 700 *							22.0
24.0				14.8	28.1	3 900 *	25.0	31.2	4 200 *	35.9	34.0	5 000 *	44.1	35.5	5 900 *							24.0
26.0										23.5	30.3	4 200 *	34.6	33.0	4 900 *	42.8	34.4	5 700 *				26.0
28.0													21.5	29.0	4 100 *	32.9	31.7	4 700 *	41.1	33.1	5 500 *	28.0
30.0																18.8	27.4	4 000 *	30.7	30.2	4 600 *	30.0
32.0																			14.6	25.1	3 900 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



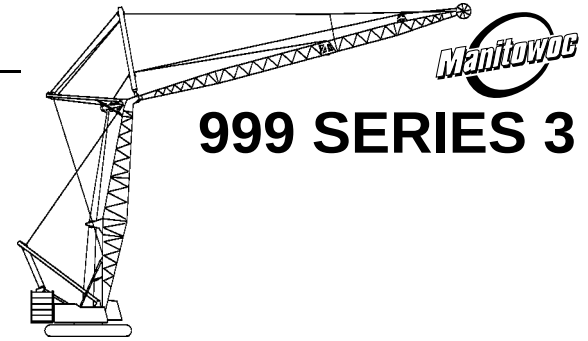
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 800 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 800 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	6 100 *	49.6	38.1	6 800 *	53.8	38.8	6 800 *												18.0	
20.0	31.7	33.6	5 100 *	41.2	36.0	6 000 *	46.0	37.1	6 600 *	53.1	38.2	6 800 *									20.0	
22.0				30.9	33.2	5 000 *	36.9	34.7	5 500 *	45.2	36.4	6 500 *	52.2	37.4	6 800 *						22.0	
24.0				14.8	28.1	4 300 *	25.0	31.2	4 700 *	35.9	34.0	5 500 *	44.1	35.5	6 300 *						24.0	
26.0										23.5	30.3	4 600 *	34.6	33.0	5 300 *	42.8	34.4	6 300 *			26.0	
28.0													21.5	29.0	4 500 *	32.9	31.7	5 200 *	41.1	33.1	6 100 *	28.0
30.0																18.8	27.4	4 400 *	30.7	30.2	5 000 *	30.0
32.0																			14.6	25.1	4 300 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

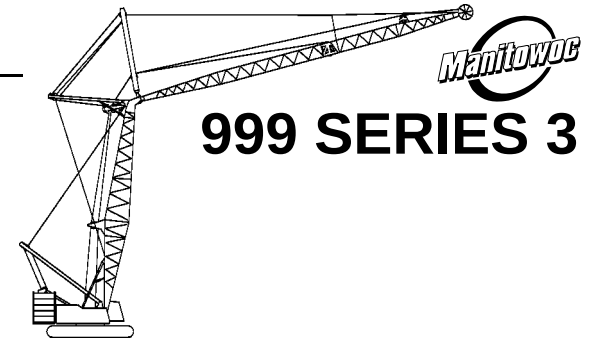
21.3m (70 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 800 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 700 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	6 000 *	49.6	38.1	6 800 *	53.8	38.8	6 800 *												18.0	
20.0	31.7	33.6	5 000 *	41.2	36.0	5 800 *	46.0	37.1	6 500 *	53.1	38.2	6 800 *									20.0	
22.0				30.9	33.2	4 900 *	36.9	34.7	5 400 *	45.2	36.4	6 400 *	52.2	37.4	6 800 *						22.0	
24.0				14.8	28.1	4 200 *	25.0	31.2	4 600 *	35.9	34.0	5 300 *	44.1	35.5	6 200 *						24.0	
26.0										23.5	30.3	4 500 *	34.6	33.0	5 200 *	42.8	34.4	6 100 *			26.0	
28.0													21.5	29.0	4 400 *	32.9	31.7	5 000 *	41.1	33.1	5 900 *	28.0
30.0																18.8	27.4	4 300 *	30.7	30.2	4 900 *	30.0
32.0																			14.6	25.1	4 200 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

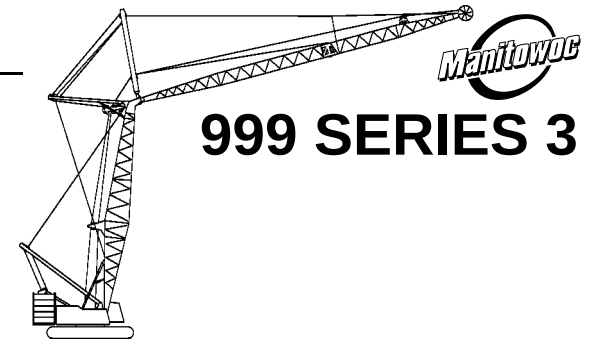
21.3m (70 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 800 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 300 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	5 200 *	49.6	38.1	6 300 *	53.8	38.8	6 800 *												18.0	
20.0	31.7	33.6	4 400 *	41.2	36.0	5 200 *	46.0	37.1	5 800 *	53.1	38.2	6 700 *									20.0	
22.0				30.9	33.2	4 300 *	36.9	34.7	4 700 *	45.2	36.4	5 700 *	52.2	37.4	6 500 *						22.0	
24.0				14.8	28.1	3 700 *	25.0	31.2	4 000 *	35.9	34.0	4 700 *	44.1	35.5	5 600 *						24.0	
26.0										23.5	30.3	3 900 *	34.6	33.0	4 600 *	42.8	34.4	5 300 *			26.0	
28.0													21.5	29.0	3 800 *	32.9	31.7	4 400 *	41.1	33.1	5 200 *	28.0
30.0																18.8	27.4	3 800 *	30.7	30.2	4 300 *	30.0
32.0																			14.6	25.1	3 700 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

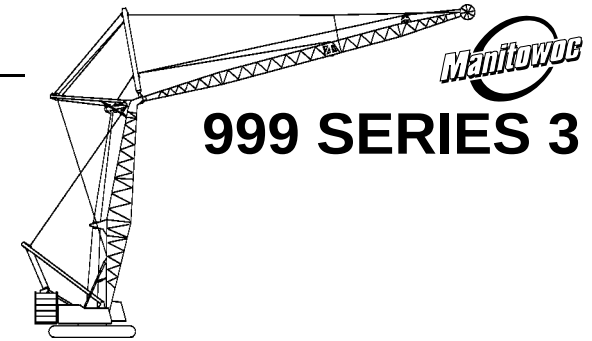
21.3m (70 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 700 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 300 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	5 000 *	49.6	38.1	6 000 *	53.8	38.8	6 600 *												18.0	
20.0	31.7	33.6	4 100 *	41.2	36.0	4 900 *	46.0	37.1	5 500 *	53.1	38.2	6 600 *									20.0	
22.0				30.9	33.2	4 100 *	36.9	34.7	4 500 *	45.2	36.4	5 400 *	52.2	37.4	6 400 *						22.0	
24.0				14.8	28.1	3 500 *	25.0	31.2	3 800 *	35.9	34.0	4 400 *	44.1	35.5	5 200 *						24.0	
26.0										23.5	30.3	3 700 *	34.6	33.0	4 300 *	42.8	34.4	5 100 *			26.0	
28.0													21.5	29.0	3 600 *	32.9	31.7	4 200 *	41.1	33.1	4 900 *	28.0
30.0																18.8	27.4	3 600 *	30.7	30.2	4 100 *	30.0
32.0																			14.6	25.1	3 500 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



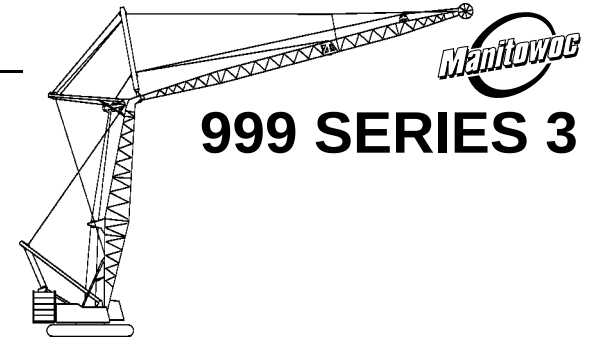
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 700 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 100 *	57.1	39.7	6 800 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	4 800 *	49.6	38.1	5 900 *	53.8	38.8	6 500 *												18.0	
20.0	31.7	33.6	4 100 *	41.2	36.0	4 800 *	46.0	37.1	5 300 *	53.1	38.2	6 500 *									20.0	
22.0				30.9	33.2	4 000 *	36.9	34.7	4 400 *	45.2	36.4	5 200 *	52.2	37.4	6 300 *						22.0	
24.0				14.8	28.1	3 400 *	25.0	31.2	3 700 *	35.9	34.0	4 300 *	44.1	35.5	5 100 *						24.0	
26.0										23.5	30.3	3 600 *	34.6	33.0	4 200 *	42.8	34.4	4 900 *			26.0	
28.0													21.5	29.0	3 600 *	32.9	31.7	4 100 *	41.1	33.1	4 800 *	28.0
30.0																18.8	27.4	3 500 *	30.7	30.2	4 000 *	30.0
32.0																			14.6	25.1	3 400 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Designed And Tested
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999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

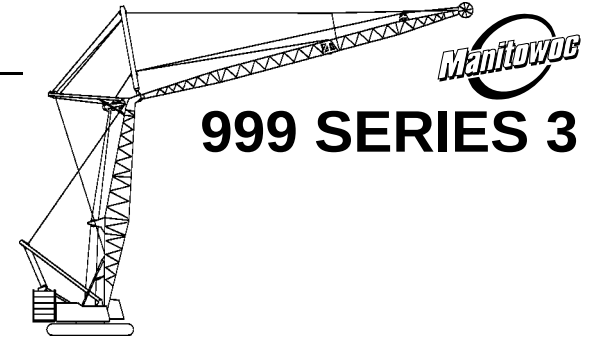
21.3m (70 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.5	42.3	6 800 *																		9.1	
10.0	70.9	42.0	6 800 *																		10.0	
12.0	64.4	41.1	6 800 *																		12.0	
14.0	57.6	40.0	6 700 *	63.9	40.8	6 800 *															14.0	
16.0	50.2	38.5	6 000 *	57.1	39.7	6 700 *	60.9	40.2	6 800 *												16.0	
18.0	41.9	36.4	4 800 *	49.6	38.1	5 900 *	53.8	38.8	6 400 *												18.0	
20.0	31.7	33.6	4 100 *	41.2	36.0	4 800 *	46.0	37.1	5 300 *	53.1	38.2	6 400 *									20.0	
22.0				30.9	33.2	4 000 *	36.9	34.7	4 400 *	45.2	36.4	5 200 *	52.2	37.4	6 300 *						22.0	
24.0				14.8	28.1	3 500 *	25.0	31.2	3 700 *	35.9	34.0	4 300 *	44.1	35.5	5 100 *						24.0	
26.0										23.5	30.3	3 700 *	34.6	33.0	4 200 *	42.8	34.4	4 900 *			26.0	
28.0													21.5	29.0	3 600 *	32.9	31.7	4 100 *	41.1	33.1	4 800 *	28.0
30.0																18.8	27.4	3 500 *	30.7	30.2	4 000 *	30.0
32.0																			14.6	25.1	3 400 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
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The Scope of ANSI B30.5



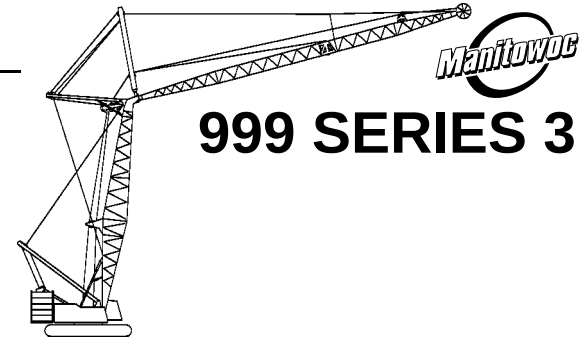
24.4m (80 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	69.1	44.8	6 800 *																		10.7	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 800 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 600 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	5 600 *	51.1	41.5	6 800 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	4 700 *	42.9	39.5	5 700 *	48.2	40.6	6 500 *	56.0	41.7	6 800 *									20.0	
22.0				33.0	36.8	4 700 *	39.5	38.4	5 300 *	48.4	40.1	6 400 *									22.0	
24.0				18.9	32.5	4 000 *	28.6	35.3	4 400 *	39.8	38.0	5 400 *	48.5	39.4	6 400 *						24.0	
26.0										29.0	34.9	4 500 *	39.8	37.3	5 300 *	48.2	38.5	6 500 *			26.0	
28.0													29.0	34.2	4 500 *	39.5	36.3	5 300 *			28.0	
30.0																28.7	33.2	4 500 *	38.9	35.1	5 300 *	30.0
32.0																9.3	27.0	3 900 *	27.8	31.9	4 400 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

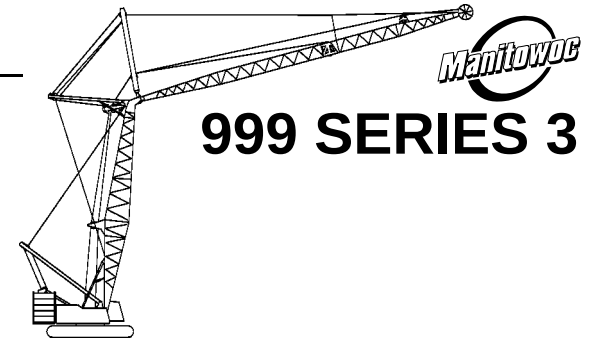
24.4m (80 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.9	45.4	6 800 *																		9.1	
10.0	71.2	45.1	6 800 *																		10.0	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 800 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 800 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	6 100 *	51.1	41.5	6 800 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	5 100 *	42.9	39.5	6 300 *	48.2	40.6	6 700 *	56.0	41.7	6 800 *									20.0	
22.0				33.0	36.8	5 200 *	39.5	38.4	5 900 *	48.4	40.1	6 700 *									22.0	
24.0				18.9	32.5	4 400 *	28.6	35.3	4 900 *	39.8	38.0	6 000 *	48.5	39.4	6 800 *						24.0	
26.0										29.0	34.9	4 900 *	39.8	37.3	5 900 *	48.2	38.5	6 700 *			26.0	
28.0													29.0	34.2	4 900 *	39.5	36.3	5 900 *			28.0	
30.0																28.7	33.2	4 900 *	38.9	35.1	5 800 *	30.0
32.0																9.3	27.0	4 200 *	27.8	31.9	4 900 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

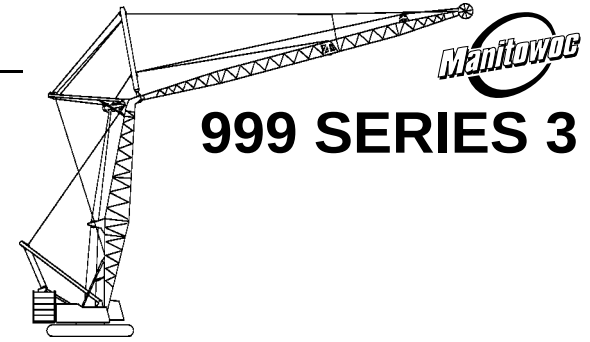
24.4m (80 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.9	45.4	6 800 *																		9.1	
10.0	71.2	45.1	6 800 *																		10.0	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 800 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 800 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	6 000 *	51.1	41.5	6 800 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	5 000 *	42.9	39.5	6 100 *	48.2	40.6	6 700 *	56.0	41.7	6 800 *									20.0	
22.0				33.0	36.8	5 100 *	39.5	38.4	5 700 *	48.4	40.1	6 600 *									22.0	
24.0				18.9	32.5	4 300 *	28.6	35.3	4 800 *	39.8	38.0	5 800 *	48.5	39.4	6 700 *						24.0	
26.0										29.0	34.9	4 800 *	39.8	37.3	5 700 *	48.2	38.5	6 700 *			26.0	
28.0													29.0	34.2	4 800 *	39.5	36.3	5 700 *			28.0	
30.0																28.7	33.2	4 800 *	38.9	35.1	5 700 *	30.0
32.0																9.3	27.0	4 100 *	27.8	31.9	4 700 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



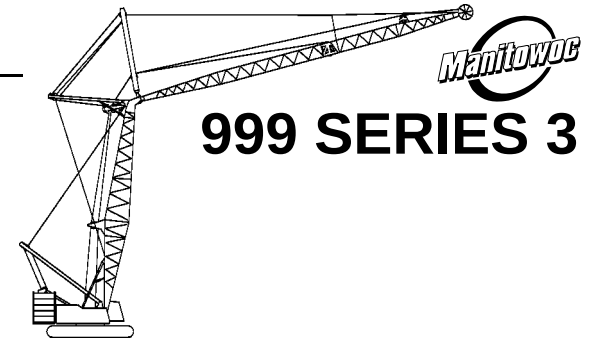
24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.9	45.4	6 800 *																		9.1	
10.0	71.2	45.1	6 800 *																		10.0	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 800 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 400 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	5 300 *	51.1	41.5	6 500 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	4 400 *	42.9	39.5	5 400 *	48.2	40.6	6 200 *	56.0	41.7	6 700 *									20.0	
22.0				33.0	36.8	4 400 *	39.5	38.4	5 000 *	48.4	40.1	6 300 *									22.0	
24.0				18.9	32.5	3 800 *	28.6	35.3	4 200 *	39.8	38.0	5 000 *	48.5	39.4	6 100 *						24.0	
26.0										29.0	34.9	4 200 *	39.8	37.3	5 000 *	48.2	38.5	6 200 *			26.0	
28.0													29.0	34.2	4 200 *	39.5	36.3	5 000 *			28.0	
30.0																28.7	33.2	4 200 *	38.9	35.1	5 000 *	30.0
32.0																9.3	27.0	3 600 *	27.8	31.9	4 100 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

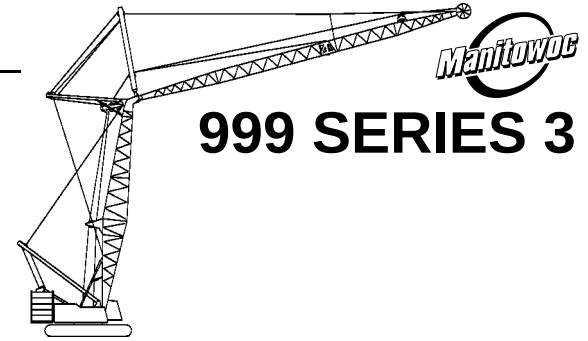
24.4m (80 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.9	45.4	6 800 *																		9.1	
10.0	71.2	45.1	6 800 *																		10.0	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 800 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 200 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	5 000 *	51.1	41.5	6 200 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	4 200 *	42.9	39.5	5 100 *	48.2	40.6	5 800 *	56.0	41.7	6 700 *									20.0	
22.0				33.0	36.8	4 200 *	39.5	38.4	4 700 *	48.4	40.1	5 900 *									22.0	
24.0				18.9	32.5	3 600 *	28.6	35.3	4 000 *	39.8	38.0	4 800 *	48.5	39.4	5 900 *						24.0	
26.0										29.0	34.9	4 000 *	39.8	37.3	4 800 *	48.2	38.5	5 800 *			26.0	
28.0													29.0	34.2	4 000 *	39.5	36.3	4 800 *			28.0	
30.0																28.7	33.2	4 000 *	38.9	35.1	4 700 *	30.0
32.0																9.3	27.0	3 400 *	27.8	31.9	3 900 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

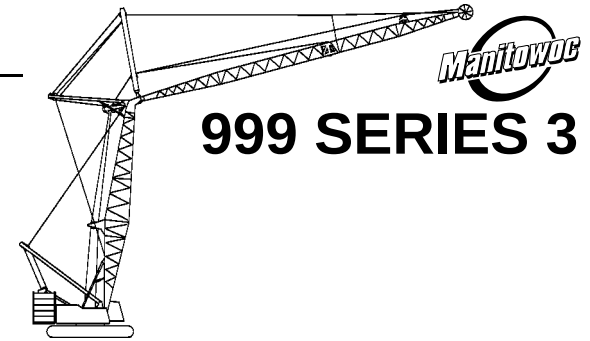
24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m
9.1	73.9	45.4	6 800 *	65.2	44.1	6 800 *	62.7	43.5	6 800 *														
10.0	71.2	45.1	6 800 *																				
12.0	64.8	44.2	6 800 *																				
14.0	58.0	43.1	6 700 *																				
16.0	50.6	41.6	6 200 *																				
18.0	42.3	39.6	4 900 *	51.1	41.5	6 100 *	55.8	42.2	6 800 *	56.0	41.7	6 700 *											
20.0	32.3	36.9	4 100 *	42.9	39.5	4 900 *	48.2	40.6	5 600 *														
22.0				33.0	36.8	4 100 *	39.5	38.4	4 600 *												48.4	40.1	5 700 *
24.0				18.9	32.5	3 500 *	28.6	35.3	3 900 *												39.8	38.0	4 600 *
26.0																					29.0	34.9	3 900 *
28.0													29.0	34.2	3 900 *	39.5	36.3	4 600 *				28.0	
30.0																28.7	33.2	3 900 *	38.9	35.1	4 600 *	30.0	
32.0																9.3	27.0	3 400 *	27.8	31.9	3 900 *	32.0	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

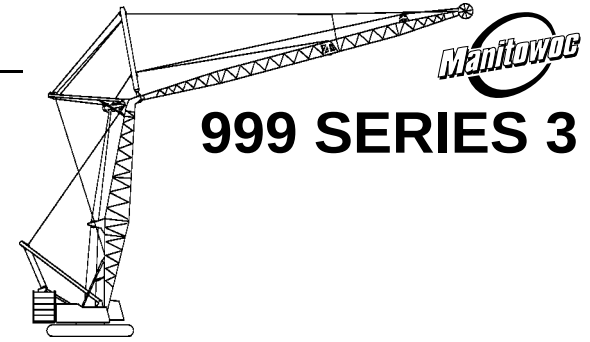
24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	73.9	45.4	6 800 *																		9.1	
10.0	71.2	45.1	6 800 *																		10.0	
12.0	64.8	44.2	6 800 *																		12.0	
14.0	58.0	43.1	6 700 *	65.2	44.1	6 800 *															14.0	
16.0	50.6	41.6	6 100 *	58.4	42.9	6 800 *	62.7	43.5	6 800 *												16.0	
18.0	42.3	39.6	4 900 *	51.1	41.5	6 000 *	55.8	42.2	6 800 *												18.0	
20.0	32.3	36.9	4 100 *	42.9	39.5	4 900 *	48.2	40.6	5 600 *	56.0	41.7	6 700 *									20.0	
22.0				33.0	36.8	4 100 *	39.5	38.4	4 600 *	48.4	40.1	5 700 *									22.0	
24.0				18.9	32.5	3 600 *	28.6	35.3	3 900 *	39.8	38.0	4 600 *	48.5	39.4	5 700 *						24.0	
26.0										29.0	34.9	3 900 *	39.8	37.3	4 700 *	48.2	38.5	5 600 *			26.0	
28.0													29.0	34.2	3 900 *	39.5	36.3	4 600 *			28.0	
30.0																28.7	33.2	3 900 *	38.9	35.1	4 600 *	30.0
32.0																9.3	27.0	3 400 *	27.8	31.9	3 900 *	32.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



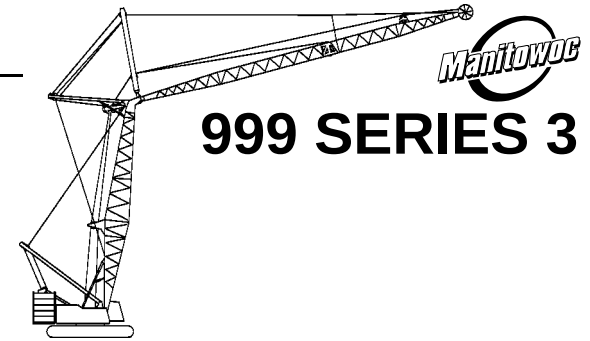
27.4m (90 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	69.4	47.9	6 800 *																		10.7	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 800 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 600 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	5 700 *	52.5	44.8	6 800 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	4 700 *	44.5	42.9	5 900 *	50.3	44.0	6 700 *	58.8	45.2	6 800 *									20.0	
22.0	18.8	35.7	4 000 *	35.0	40.4	4 900 *	41.9	42.0	5 600 *	51.5	43.7	6 600 *									22.0	
24.0				22.2	36.6	4 100 *	31.8	39.2	4 600 *	43.3	41.8	5 900 *	52.5	43.2	6 800 *						24.0	
26.0										33.6	39.2	4 800 *	44.5	41.3	5 900 *						26.0	
28.0										19.9	35.0	4 100 *	35.0	38.8	4 900 *	45.3	40.6	6 100 *			28.0	
30.0													22.2	35.0	4 100 *	36.0	38.1	5 000 *			30.0	
32.0																23.7	34.5	4 200 *	36.5	37.1	5 000 *	32.0
34.0																			24.4	33.5	4 300 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

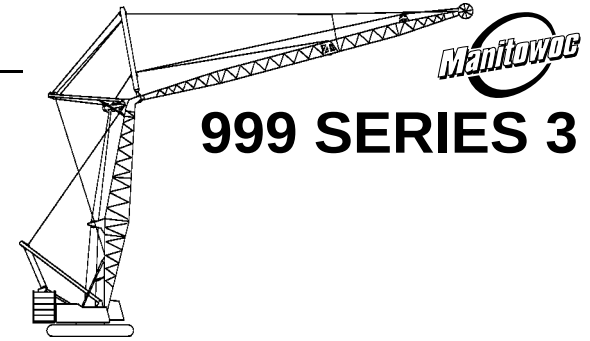
27.4m (90 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 800 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 800 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	6 200 *	52.5	44.8	6 800 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	5 200 *	44.5	42.9	6 500 *	50.3	44.0	6 700 *	58.8	45.2	6 800 *									20.0	
22.0	18.8	35.7	4 400 *	35.0	40.4	5 400 *	41.9	42.0	6 300 *	51.5	43.7	6 800 *									22.0	
24.0				22.2	36.6	4 500 *	31.8	39.2	5 100 *	43.3	41.8	6 300 *	52.5	43.2	6 800 *						24.0	
26.0										33.6	39.2	5 300 *	44.5	41.3	6 500 *						26.0	
28.0										19.9	35.0	4 500 *	35.0	38.8	5 400 *	45.3	40.6	6 500 *			28.0	
30.0													22.2	35.0	4 600 *	36.0	38.1	5 500 *			30.0	
32.0																23.7	34.5	4 600 *	36.5	37.1	5 600 *	32.0
34.0																			24.4	33.5	4 700 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



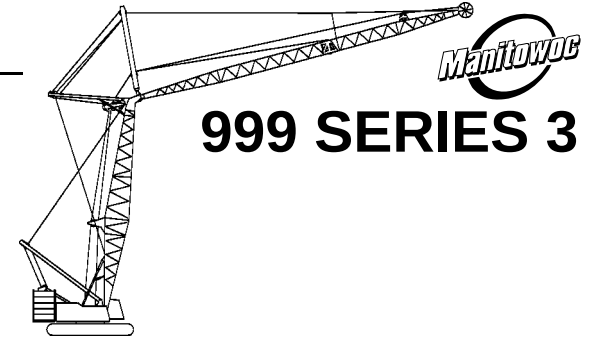
27.4m (90 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 800 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 800 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	6 100 *	52.5	44.8	6 800 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	5 100 *	44.5	42.9	6 400 *	50.3	44.0	6 700 *	58.8	45.2	6 800 *									20.0	
22.0	18.8	35.7	4 300 *	35.0	40.4	5 300 *	41.9	42.0	6 000 *	51.5	43.7	6 800 *									22.0	
24.0				22.2	36.6	4 500 *	31.8	39.2	5 000 *	43.3	41.8	6 100 *	52.5	43.2	6 800 *						24.0	
26.0										33.6	39.2	5 100 *	44.5	41.3	6 400 *						26.0	
28.0										19.9	35.0	4 400 *	35.0	38.8	5 300 *	45.3	40.6	6 400 *			28.0	
30.0													22.2	35.0	4 500 *	36.0	38.1	5 400 *			30.0	
32.0																23.7	34.5	4 500 *	36.5	37.1	5 400 *	32.0
34.0																			24.4	33.5	4 600 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

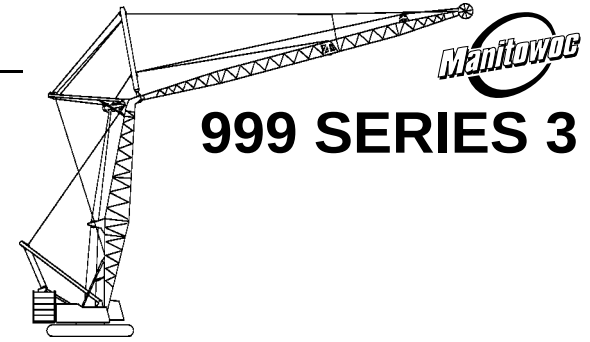
27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 800 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 400 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	5 400 *	52.5	44.8	6 700 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	4 500 *	44.5	42.9	5 600 *	50.3	44.0	6 500 *	58.8	45.2	6 800 *									20.0	
22.0	18.8	35.7	3 800 *	35.0	40.4	4 600 *	41.9	42.0	5 300 *	51.5	43.7	6 500 *									22.0	
24.0				22.2	36.6	3 900 *	31.8	39.2	4 400 *	43.3	41.8	5 500 *	52.5	43.2	6 700 *						24.0	
26.0										33.6	39.2	4 500 *	44.5	41.3	5 600 *						26.0	
28.0										19.9	35.0	3 800 *	35.0	38.8	4 600 *	45.3	40.6	5 800 *			28.0	
30.0													22.2	35.0	3 900 *	36.0	38.1	4 700 *			30.0	
32.0																23.7	34.5	3 900 *	36.5	37.1	4 800 *	32.0
34.0																			24.4	33.5	4 000 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



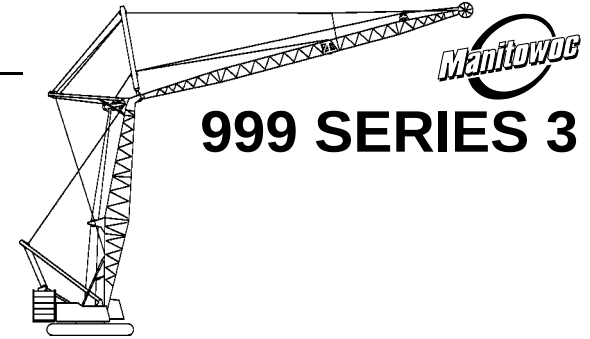
27.4m (90 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 800 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 300 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	5 100 *	52.5	44.8	6 400 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	4 200 *	44.5	42.9	5 300 *	50.3	44.0	6 200 *	58.8	45.2	6 800 *									20.0	
22.0	18.8	35.7	3 600 *	35.0	40.4	4 400 *	41.9	42.0	5 000 *	51.5	43.7	6 300 *									22.0	
24.0				22.2	36.6	3 700 *	31.8	39.2	4 200 *	43.3	41.8	5 200 *	52.5	43.2	6 400 *						24.0	
26.0										33.6	39.2	4 300 *	44.5	41.3	5 300 *						26.0	
28.0										19.9	35.0	3 600 *	35.0	38.8	4 400 *	45.3	40.6	5 500 *			28.0	
30.0													22.2	35.0	3 700 *	36.0	38.1	4 500 *			30.0	
32.0																23.7	34.5	3 800 *	36.5	37.1	4 500 *	32.0
34.0																			24.4	33.5	3 800 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

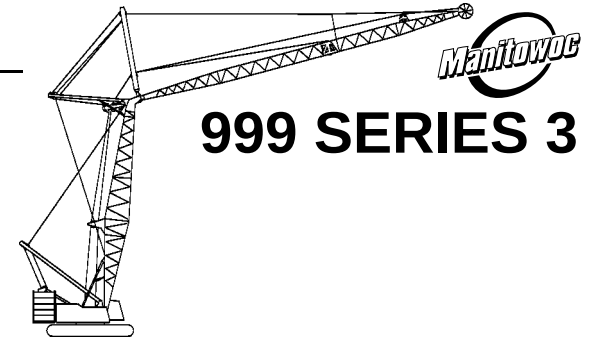
27.4m (90 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 700 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 300 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	4 900 *	52.5	44.8	6 300 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	4 100 *	44.5	42.9	5 200 *	50.3	44.0	6 000 *	58.8	45.2	6 700 *									20.0	
22.0	18.8	35.7	3 500 *	35.0	40.4	4 300 *	41.9	42.0	4 900 *	51.5	43.7	6 400 *									22.0	
24.0				22.2	36.6	3 600 *	31.8	39.2	4 100 *	43.3	41.8	5 000 *	52.5	43.2	6 300 *						24.0	
26.0										33.6	39.2	4 200 *	44.5	41.3	5 200 *						26.0	
28.0										19.9	35.0	3 600 *	35.0	38.8	4 300 *	45.3	40.6	5 300 *			28.0	
30.0													22.2	35.0	3 600 *	36.0	38.1	4 400 *			30.0	
32.0																23.7	34.5	3 700 *	36.5	37.1	4 400 *	32.0
34.0																			24.4	33.5	3 700 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



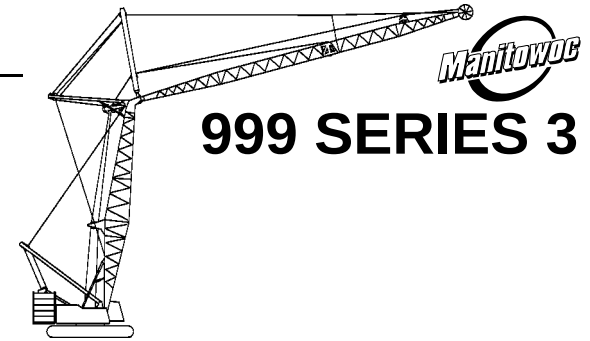
27.4m (90 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.2	48.5	6 800 *																		9.1	
10.0	71.5	48.2	6 800 *																		10.0	
12.0	65.1	47.3	6 800 *																		12.0	
14.0	58.4	46.2	6 700 *	66.4	47.3	6 800 *															14.0	
16.0	51.0	44.7	6 200 *	59.7	46.2	6 800 *	64.5	46.7	6 800 *												16.0	
18.0	42.8	42.8	4 900 *	52.5	44.8	6 200 *	57.7	45.6	6 800 *												18.0	
20.0	32.9	40.1	4 100 *	44.5	42.9	5 100 *	50.3	44.0	6 000 *	58.8	45.2	6 700 *									20.0	
22.0	18.8	35.7	3 600 *	35.0	40.4	4 300 *	41.9	42.0	4 800 *	51.5	43.7	6 300 *									22.0	
24.0				22.2	36.6	3 700 *	31.8	39.2	4 100 *	43.3	41.8	5 000 *	52.5	43.2	6 200 *						24.0	
26.0										33.6	39.2	4 200 *	44.5	41.3	5 200 *						26.0	
28.0										19.9	35.0	3 600 *	35.0	38.8	4 300 *	45.3	40.6	5 300 *			28.0	
30.0													22.2	35.0	3 700 *	36.0	38.1	4 400 *			30.0	
32.0																23.7	34.5	3 700 *	36.5	37.1	4 400 *	32.0
34.0																			24.4	33.5	3 800 *	34.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



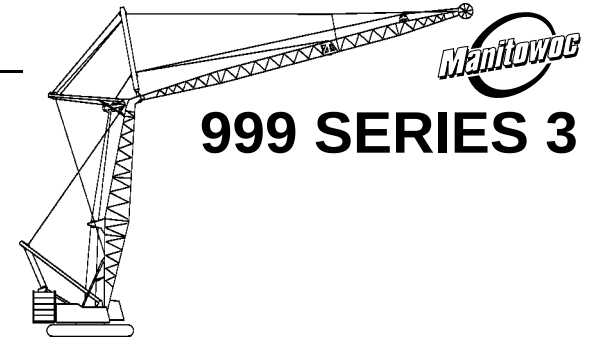
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	69.8	51.0	6 800 *																		10.7	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 600 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	5 800 *	53.9	48.1	6 800 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	4 800 *	46.1	46.3	6 200 *	52.3	47.5	6 700 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	4 100 *	36.9	44.0	5 100 *	44.2	45.6	6 000 *	54.5	47.3	6 800 *									22.0	
24.0				25.1	40.5	4 300 *	34.7	43.1	4 900 *	46.7	45.6	6 200 *									24.0	
26.0										37.7	43.3	5 200 *	48.8	45.2	6 700 *						26.0	
28.0										26.2	39.9	4 300 *	40.2	43.1	5 400 *	50.5	44.5	6 600 *			28.0	
30.0													29.6	40.1	4 500 *	42.2	42.5	5 700 *			30.0	
32.0													11.9	34.5	3 900 *	32.2	39.8	4 700 *	43.6	41.6	5 800 *	32.0
34.0																			34.0	39.0	4 900 *	34.0
36.0																			20.6	35.0	4 100 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

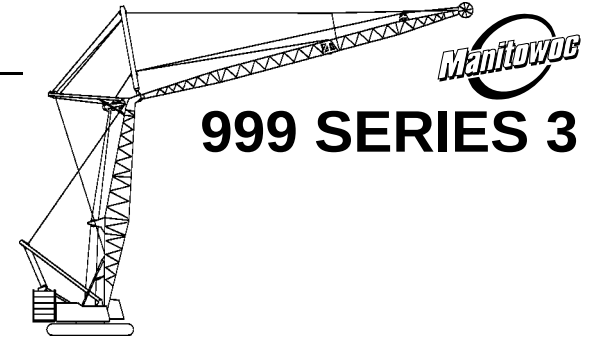
30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 800 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	6 300 *	53.9	48.1	6 800 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	5 300 *	46.1	46.3	6 700 *	52.3	47.5	6 800 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	4 500 *	36.9	44.0	5 600 *	44.2	45.6	6 400 *	54.5	47.3	6 800 *									22.0	
24.0				25.1	40.5	4 700 *	34.7	43.1	5 400 *	46.7	45.6	6 700 *									24.0	
26.0										37.7	43.3	5 700 *	48.8	45.2	6 700 *						26.0	
28.0										26.2	39.9	4 700 *	40.2	43.1	6 000 *	50.5	44.5	6 800 *			28.0	
30.0													29.6	40.1	5 000 *	42.2	42.5	6 200 *			30.0	
32.0													11.9	34.5	4 300 *	32.2	39.8	5 200 *	43.6	41.6	6 400 *	32.0
34.0																			34.0	39.0	5 300 *	34.0
36.0																			20.6	35.0	4 500 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



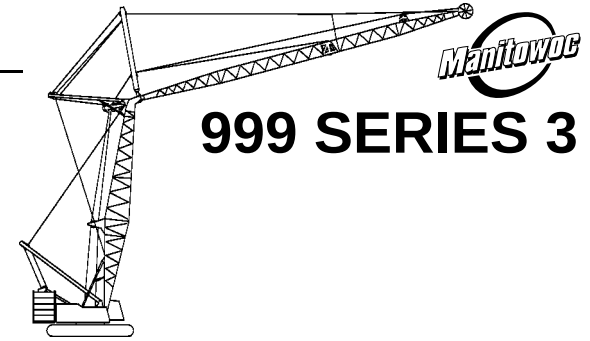
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 800 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	6 100 *	53.9	48.1	6 800 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	5 100 *	46.1	46.3	6 600 *	52.3	47.5	6 800 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	4 400 *	36.9	44.0	5 400 *	44.2	45.6	6 300 *	54.5	47.3	6 800 *									22.0	
24.0				25.1	40.5	4 600 *	34.7	43.1	5 200 *	46.7	45.6	6 500 *									24.0	
26.0										37.7	43.3	5 500 *	48.8	45.2	6 700 *						26.0	
28.0										26.2	39.9	4 700 *	40.2	43.1	5 800 *	50.5	44.5	6 700 *			28.0	
30.0													29.6	40.1	4 900 *	42.2	42.5	6 200 *			30.0	
32.0													11.9	34.5	4 200 *	32.2	39.8	5 100 *	43.6	41.6	6 300 *	32.0
34.0																			34.0	39.0	5 200 *	34.0
36.0																			20.6	35.0	4 400 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

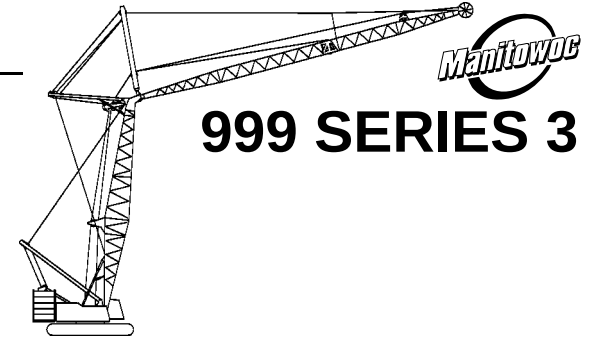
30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 500 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	5 500 *	53.9	48.1	6 800 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	4 500 *	46.1	46.3	5 800 *	52.3	47.5	6 700 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	3 800 *	36.9	44.0	4 800 *	44.2	45.6	5 600 *	54.5	47.3	6 800 *									22.0	
24.0				25.1	40.5	4 000 *	34.7	43.1	4 600 *	46.7	45.6	6 000 *									24.0	
26.0										37.7	43.3	4 900 *	48.8	45.2	6 300 *							26.0
28.0										26.2	39.9	4 100 *	40.2	43.1	5 100 *	50.5	44.5	6 400 *				28.0
30.0													29.6	40.1	4 200 *	42.2	42.5	5 400 *				30.0
32.0													11.9	34.5	3 600 *	32.2	39.8	4 400 *	43.6	41.6	5 500 *	32.0
34.0																			34.0	39.0	4 600 *	34.0
36.0																			20.6	35.0	3 900 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

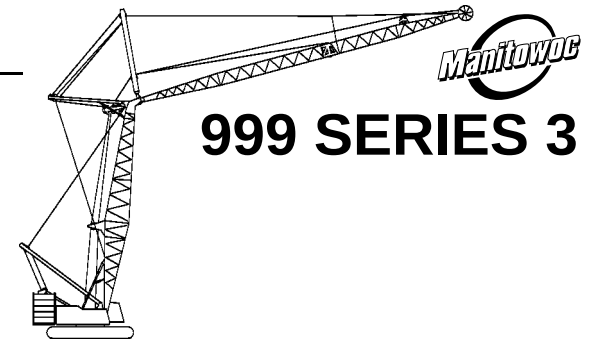
30.5m (100 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 300 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	5 200 *	53.9	48.1	6 700 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	4 300 *	46.1	46.3	5 500 *	52.3	47.5	6 600 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	3 600 *	36.9	44.0	4 600 *	44.2	45.6	5 300 *	54.5	47.3	6 600 *									22.0	
24.0				25.1	40.5	3 800 *	34.7	43.1	4 400 *	46.7	45.6	5 700 *									24.0	
26.0										37.7	43.3	4 600 *	48.8	45.2	6 000 *						26.0	
28.0										26.2	39.9	3 900 *	40.2	43.1	4 800 *	50.5	44.5	6 300 *			28.0	
30.0													29.6	40.1	4 100 *	42.2	42.5	5 100 *			30.0	
32.0													11.9	34.5	3 400 *	32.2	39.8	4 200 *	43.6	41.6	5 300 *	32.0
34.0																			34.0	39.0	4 300 *	34.0
36.0																			20.6	35.0	3 600 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



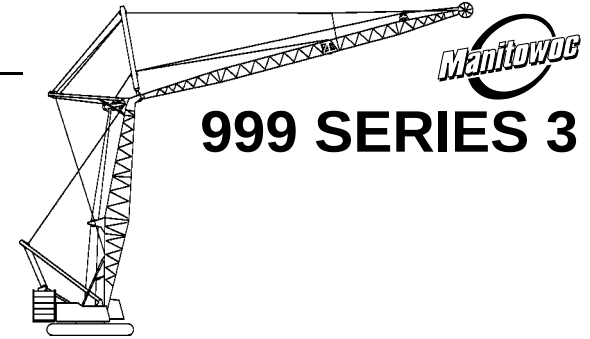
30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 800 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 200 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	5 000 *	53.9	48.1	6 500 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	4 200 *	46.1	46.3	5 400 *	52.3	47.5	6 400 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	3 500 *	36.9	44.0	4 400 *	44.2	45.6	5 100 *	54.5	47.3	6 500 *									22.0	
24.0				25.1	40.5	3 700 *	34.7	43.1	4 300 *	46.7	45.6	5 500 *									24.0	
26.0										37.7	43.3	4 500 *	48.8	45.2	5 800 *						26.0	
28.0										26.2	39.9	3 800 *	40.2	43.1	4 700 *	50.5	44.5	6 100 *			28.0	
30.0													29.6	40.1	4 000 *	42.2	42.5	4 900 *			30.0	
32.0													11.9	34.5	3 400 *	32.2	39.8	4 100 *	43.6	41.6	5 100 *	32.0
34.0																			34.0	39.0	4 200 *	34.0
36.0																			20.6	35.0	3 600 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

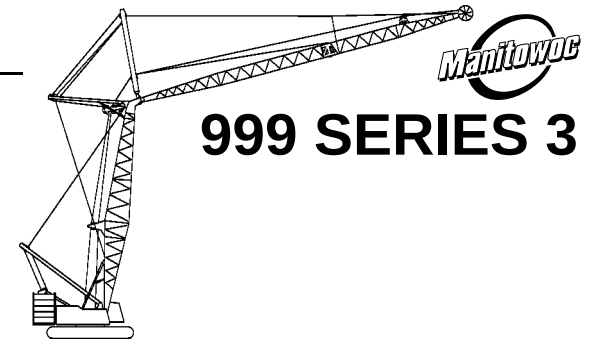
30.5m (100 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.5	51.5	6 800 *																		9.1	
10.0	71.9	51.3	6 800 *																		10.0	
12.0	65.5	50.4	6 800 *																		12.0	
14.0	58.7	49.3	6 700 *	67.6	50.5	6 800 *															14.0	
16.0	51.5	47.9	6 300 *	61.0	49.4	6 800 *															16.0	
18.0	43.3	45.9	5 000 *	53.9	48.1	6 500 *	59.5	48.9	6 800 *												18.0	
20.0	33.5	43.3	4 200 *	46.1	46.3	5 300 *	52.3	47.5	6 400 *	61.5	48.6	6 800 *									20.0	
22.0	19.8	39.1	3 600 *	36.9	44.0	4 400 *	44.2	45.6	5 100 *	54.5	47.3	6 500 *									22.0	
24.0				25.1	40.5	3 800 *	34.7	43.1	4 300 *	46.7	45.6	5 500 *									24.0	
26.0										37.7	43.3	4 500 *	48.8	45.2	5 700 *						26.0	
28.0										26.2	39.9	3 800 *	40.2	43.1	4 700 *	50.5	44.5	6 100 *			28.0	
30.0													29.6	40.1	4 000 *	42.2	42.5	4 900 *			30.0	
32.0													11.9	34.5	3 400 *	32.2	39.8	4 100 *	43.6	41.6	5 100 *	32.0
34.0																			34.0	39.0	4 300 *	34.0
36.0																			20.6	35.0	3 600 *	36.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



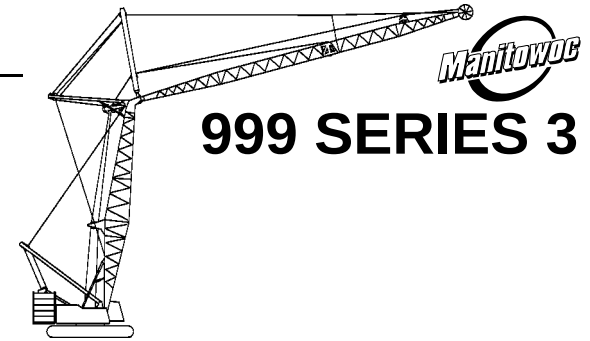
33.5m (110 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	70.1	54.1	6 800 *																			10.7
12.0	65.8	53.5	6 800 *																			12.0
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *																14.0
16.0	51.9	51.0	6 700 *	62.2	52.7	6 800 *																16.0
18.0	43.8	49.1	5 900 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *													18.0
20.0	34.1	46.5	4 800 *	47.6	49.7	6 500 *	54.3	50.9	6 700 *													20.0
22.0	20.8	42.5	4 100 *	38.8	47.5	5 300 *	46.5	49.2	6 400 *	57.3	50.8	6 800 *										22.0
24.0				27.6	44.3	4 400 *	37.4	46.9	5 100 *	49.9	49.3	6 600 *										24.0
26.0							25.8	43.5	4 300 *	41.5	47.2	5 600 *	52.8	49.0	6 700 *							26.0
28.0										31.2	44.4	4 700 *	44.9	47.2	6 100 *							28.0
30.0										15.5	39.5	4 000 *	35.5	44.7	5 000 *	47.7	46.7	6 300 *				30.0
32.0													22.9	40.9	4 200 *	38.9	44.5	5 300 *				32.0
34.0																27.8	41.3	4 400 *	41.5	43.7	5 600 *	34.0
36.0																			31.3	40.9	4 700 *	36.0
38.0																			15.8	36.0	4 000 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



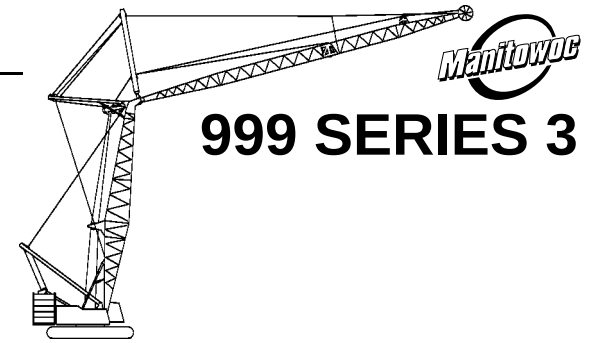
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.8	54.6	6 800 *b																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 800 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	6 300 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	5 300 *	47.6	49.7	6 700 *	54.3	50.9	6 800 *												20.0	
22.0	20.8	42.5	4 500 *	38.8	47.5	5 800 *	46.5	49.2	6 600 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	4 900 *	37.4	46.9	5 700 *	49.9	49.3	6 800 *									24.0	
26.0							25.8	43.5	4 800 *	41.5	47.2	6 200 *	52.8	49.0	6 800 *						26.0	
28.0										31.2	44.4	5 100 *	44.9	47.2	6 500 *						28.0	
30.0										15.5	39.5	4 400 *	35.5	44.7	5 500 *	47.7	46.7	6 800 *			30.0	
32.0													22.9	40.9	4 600 *	38.9	44.5	5 800 *			32.0	
34.0																27.8	41.3	4 900 *	41.5	43.7	6 200 *	34.0
36.0																			31.3	40.9	5 200 *	36.0
38.0																			15.8	36.0	4 400 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

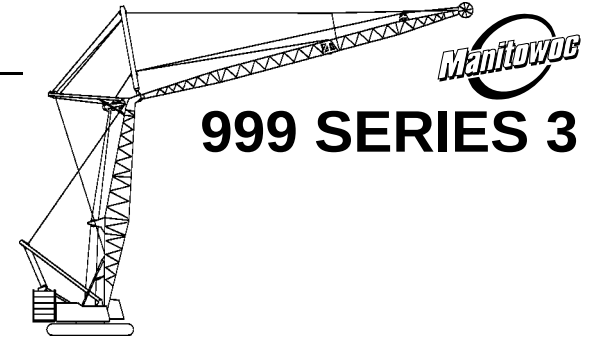
33.5m (110 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.8	54.6	6 800 *																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 800 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	6 200 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	5 200 *	47.6	49.7	6 700 *	54.3	50.9	6 800 *												20.0	
22.0	20.8	42.5	4 400 *	38.8	47.5	5 600 *	46.5	49.2	6 500 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	4 800 *	37.4	46.9	5 600 *	49.9	49.3	6 800 *									24.0	
26.0							25.8	43.5	4 600 *	41.5	47.2	6 000 *	52.8	49.0	6 800 *						26.0	
28.0										31.2	44.4	5 000 *	44.9	47.2	6 400 *						28.0	
30.0										15.5	39.5	4 300 *	35.5	44.7	5 400 *	47.7	46.7	6 600 *			30.0	
32.0													22.9	40.9	4 500 *	38.9	44.5	5 700 *			32.0	
34.0																27.8	41.3	4 800 *	41.5	43.7	6 000 *	34.0
36.0																			31.3	40.9	5 000 *	36.0
38.0																			15.8	36.0	4 300 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



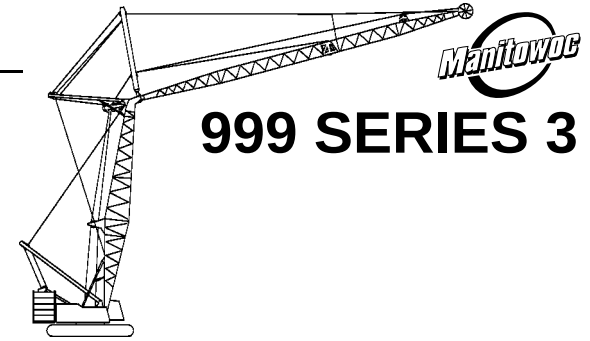
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.8	54.6	6 800 *																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 500 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	5 600 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	4 500 *	47.6	49.7	6 100 *	54.3	50.9	6 700 *												20.0	
22.0	20.8	42.5	3 900 *	38.8	47.5	5 000 *	46.5	49.2	6 000 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	4 200 *	37.4	46.9	4 800 *	49.9	49.3	6 300 *									24.0	
26.0							25.8	43.5	4 100 *	41.5	47.2	5 300 *	52.8	49.0	6 700 *						26.0	
28.0										31.2	44.4	4 400 *	44.9	47.2	5 800 *						28.0	
30.0										15.5	39.5	3 700 *	35.5	44.7	4 700 *	47.7	46.7	6 100 *			30.0	
32.0													22.9	40.9	3 900 *	38.9	44.5	5 000 *			32.0	
34.0																27.8	41.3	4 200 *	41.5	43.7	5 300 *	34.0
36.0																			31.3	40.9	4 400 *	36.0
38.0																			15.8	36.0	3 700 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

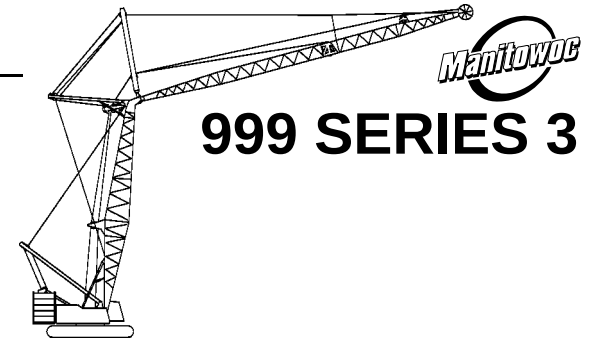
33.5m (110 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.8	54.6	6 800 *																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 300 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	5 200 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	4 300 *	47.6	49.7	5 800 *	54.3	50.9	6 700 *												20.0	
22.0	20.8	42.5	3 700 *	38.8	47.5	4 700 *	46.5	49.2	5 700 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	3 900 *	37.4	46.9	4 600 *	49.9	49.3	6 100 *									24.0	
26.0							25.8	43.5	3 900 *	41.5	47.2	5 000 *	52.8	49.0	6 700 *						26.0	
28.0										31.2	44.4	4 100 *	44.9	47.2	5 400 *						28.0	
30.0										15.5	39.5	3 600 *	35.5	44.7	4 500 *	47.7	46.7	5 800 *			30.0	
32.0													22.9	40.9	3 800 *	38.9	44.5	4 800 *			32.0	
34.0																27.8	41.3	4 000 *	41.5	43.7	5 000 *	34.0
36.0																			31.3	40.9	4 200 *	36.0
38.0																			15.8	36.0	3 600 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



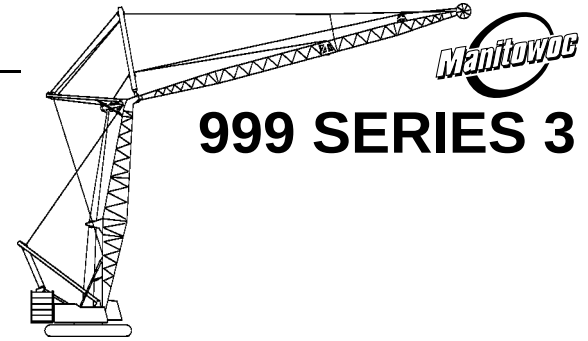
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.8	54.6	6 800 *																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 300 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	5 100 *	55.2	51.4	6 800 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	4 200 *	47.6	49.7	5 600 *	54.3	50.9	6 600 *												20.0	
22.0	20.8	42.5	3 600 *	38.8	47.5	4 600 *	46.5	49.2	5 500 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	3 900 *	37.4	46.9	4 500 *	49.9	49.3	6 000 *									24.0	
26.0							25.8	43.5	3 800 *	41.5	47.2	4 800 *	52.8	49.0	6 600 *						26.0	
28.0										31.2	44.4	4 100 *	44.9	47.2	5 300 *						28.0	
30.0										15.5	39.5	3 500 *	35.5	44.7	4 400 *	47.7	46.7	5 700 *			30.0	
32.0													22.9	40.9	3 700 *	38.9	44.5	4 600 *			32.0	
34.0																27.8	41.3	3 900 *	41.5	43.7	4 900 *	34.0
36.0																			31.3	40.9	4 100 *	36.0
38.0																			15.8	36.0	3 500 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

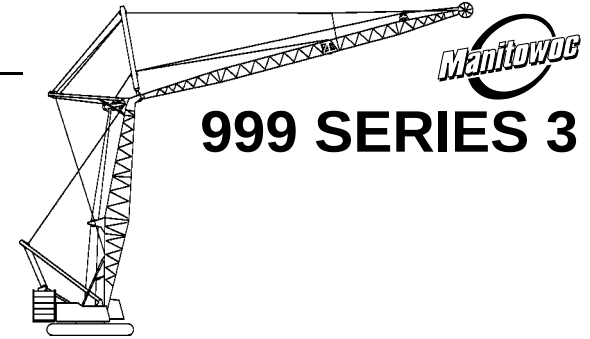
33.5m (110 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	74.8	54.6	6 800 *																		9.1	
10.0	72.2	54.3	6 800 *																		10.0	
12.0	65.8	53.5	6 800 *																		12.0	
14.0	59.1	52.4	6 800 *	68.8	53.6	6 800 *															14.0	
16.0	51.9	51.0	6 300 *	62.2	52.7	6 800 *															16.0	
18.0	43.8	49.1	5 100 *	55.2	51.4	6 700 *	61.3	52.2	6 800 *												18.0	
20.0	34.1	46.5	4 200 *	47.6	49.7	5 600 *	54.3	50.9	6 600 *												20.0	
22.0	20.8	42.5	3 600 *	38.8	47.5	4 600 *	46.5	49.2	5 400 *	57.3	50.8	6 800 *									22.0	
24.0				27.6	44.3	3 900 *	37.4	46.9	4 500 *	49.9	49.3	6 000 *									24.0	
26.0							25.8	43.5	3 800 *	41.5	47.2	4 900 *	52.8	49.0	6 500 *						26.0	
28.0										31.2	44.4	4 100 *	44.9	47.2	5 300 *						28.0	
30.0										15.5	39.5	3 500 *	35.5	44.7	4 400 *	47.7	46.7	5 600 *			30.0	
32.0													22.9	40.9	3 700 *	38.9	44.5	4 600 *			32.0	
34.0																27.8	41.3	3 900 *	41.5	43.7	4 900 *	34.0
36.0																			31.3	40.9	4 100 *	36.0
38.0																			15.8	36.0	3 500 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

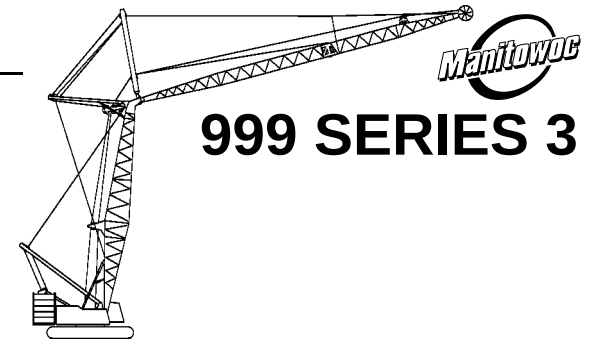
36.6m (120 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	70.4	57.2	6 800 *																		10.7	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 700 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	6 000 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	4 900 *	49.1	53.1	6 600 *	56.2	54.3	6 800 *												20.0	
22.0	21.7	45.8	4 100 *	40.5	51.0	5 400 *	48.6	52.7	6 500 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 600 *	40.0	50.5	5 400 *	52.9	52.9	6 800 *									24.0	
26.0							29.3	47.5	4 500 *	44.9	51.1	6 100 *	56.6	52.6	6 800 *						26.0	
28.0										35.6	48.6	5 000 *	49.1	51.0	6 500 *						28.0	
30.0										23.0	44.8	4 200 *	40.6	48.9	5 600 *						30.0	
32.0													30.1	46.0	4 600 *	44.7	48.7	6 100 *			32.0	
34.0																35.3	46.2	5 000 *			34.0	
36.0																22.6	42.4	4 200 *	39.3	45.8	5 400 *	36.0
38.0																			28.4	42.7	4 500 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

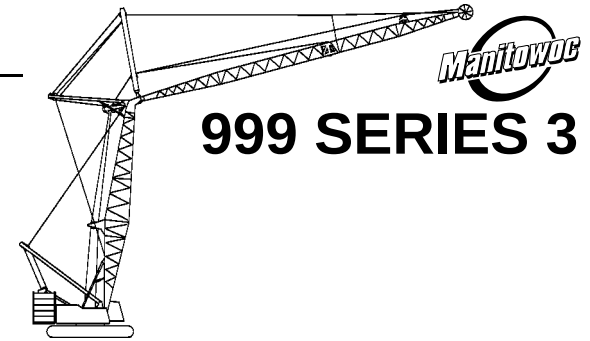
36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.2	57.7	6 800 *b																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 800 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	6 400 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	5 400 *	49.1	53.1	6 700 *	56.2	54.3	6 800 *												20.0	
22.0	21.7	45.8	4 500 *	40.5	51.0	6 100 *	48.6	52.7	6 700 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	5 000 *	40.0	50.5	6 100 *	52.9	52.9	6 800 *									24.0	
26.0							29.3	47.5	5 000 *	44.9	51.1	6 700 *	56.6	52.6	6 800 *						26.0	
28.0										35.6	48.6	5 500 *	49.1	51.0	6 800 *						28.0	
30.0										23.0	44.8	4 700 *	40.6	48.9	6 100 *						30.0	
32.0													30.1	46.0	5 100 *	44.7	48.7	6 700 *			32.0	
34.0																35.3	46.2	5 500 *			34.0	
36.0																22.6	42.4	4 600 *	39.3	45.8	6 000 *	36.0
38.0																			28.4	42.7	5 000 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



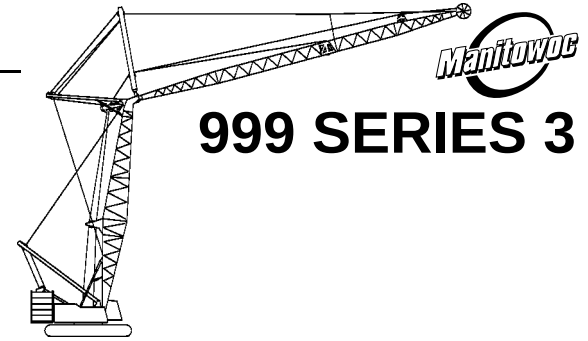
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.2	57.7	6 800 *																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 800 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	6 200 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	5 300 *	49.1	53.1	6 700 *	56.2	54.3	6 800 *												20.0	
22.0	21.7	45.8	4 500 *	40.5	51.0	5 900 *	48.6	52.7	6 600 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 900 *	40.0	50.5	5 900 *	52.9	52.9	6 800 *									24.0	
26.0							29.3	47.5	4 900 *	44.9	51.1	6 500 *	56.6	52.6	6 800 *						26.0	
28.0										35.6	48.6	5 400 *	49.1	51.0	6 700 *						28.0	
30.0										23.0	44.8	4 500 *	40.6	48.9	6 000 *						30.0	
32.0													30.1	46.0	4 900 *	44.7	48.7	6 500 *			32.0	
34.0																35.3	46.2	5 400 *			34.0	
36.0																22.6	42.4	4 600 *	39.3	45.8	5 800 *	36.0
38.0																			28.4	42.7	4 900 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

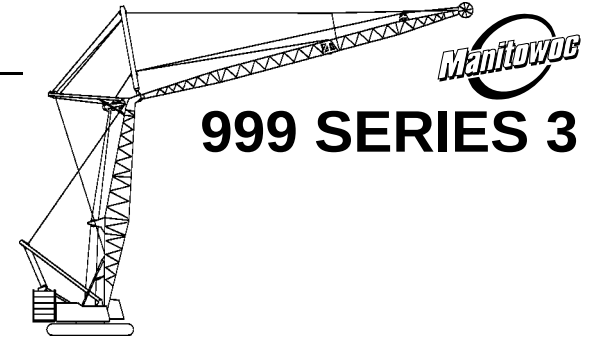
36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.2	57.7	6 800 *																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 600 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	5 700 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	4 600 *	49.1	53.1	6 400 *	56.2	54.3	6 800 *												20.0	
22.0	21.7	45.8	3 900 *	40.5	51.0	5 200 *	48.6	52.7	6 300 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 300 *	40.0	50.5	5 100 *	52.9	52.9	6 800 *									24.0	
26.0							29.3	47.5	4 300 *	44.9	51.1	5 700 *	56.6	52.6	6 800 *						26.0	
28.0										35.6	48.6	4 700 *	49.1	51.0	6 400 *						28.0	
30.0										23.0	44.8	4 000 *	40.6	48.9	5 200 *						30.0	
32.0													30.1	46.0	4 400 *	44.7	48.7	5 800 *			32.0	
34.0																35.3	46.2	4 700 *			34.0	
36.0																22.6	42.4	4 000 *	39.3	45.8	5 100 *	36.0
38.0																			28.4	42.7	4 300 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



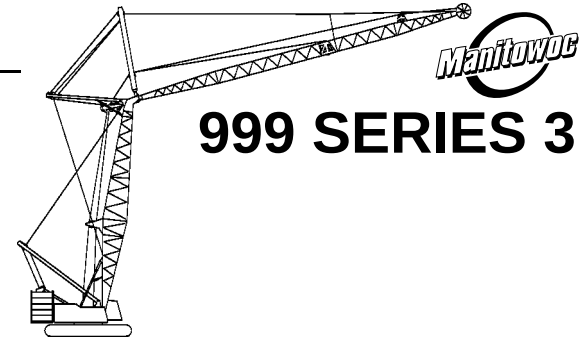
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.2	57.7	6 800 *																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 400 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	5 300 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	4 400 *	49.1	53.1	6 100 *	56.2	54.3	6 700 *												20.0	
22.0	21.7	45.8	3 700 *	40.5	51.0	4 900 *	48.6	52.7	6 100 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 100 *	40.0	50.5	4 800 *	52.9	52.9	6 600 *									24.0	
26.0							29.3	47.5	4 000 *	44.9	51.1	5 400 *	56.6	52.6	6 700 *						26.0	
28.0										35.6	48.6	4 500 *	49.1	51.0	6 200 *						28.0	
30.0										23.0	44.8	3 800 *	40.6	48.9	4 900 *						30.0	
32.0													30.1	46.0	4 100 *	44.7	48.7	5 400 *			32.0	
34.0																35.3	46.2	4 500 *			34.0	
36.0																22.6	42.4	3 800 *	39.3	45.8	4 900 *	36.0
38.0																			28.4	42.7	4 000 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

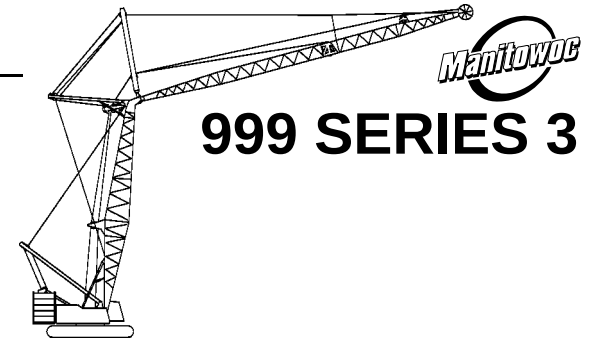
36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.2	57.7	6 800 *																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 300 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	5 200 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	4 300 *	49.1	53.1	5 900 *	56.2	54.3	6 700 *												20.0	
22.0	21.7	45.8	3 600 *	40.5	51.0	4 800 *	48.6	52.7	5 900 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 000 *	40.0	50.5	4 700 *	52.9	52.9	6 400 *									24.0	
26.0							29.3	47.5	4 000 *	44.9	51.1	5 300 *	56.6	52.6	6 700 *						26.0	
28.0										35.6	48.6	4 400 *	49.1	51.0	6 000 *						28.0	
30.0										23.0	44.8	3 700 *	40.6	48.9	4 800 *						30.0	
32.0													30.1	46.0	4 000 *	44.7	48.7	5 300 *			32.0	
34.0																35.3	46.2	4 400 *			34.0	
36.0																22.6	42.4	3 700 *	39.3	45.8	4 700 *	36.0
38.0																			28.4	42.7	3 900 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

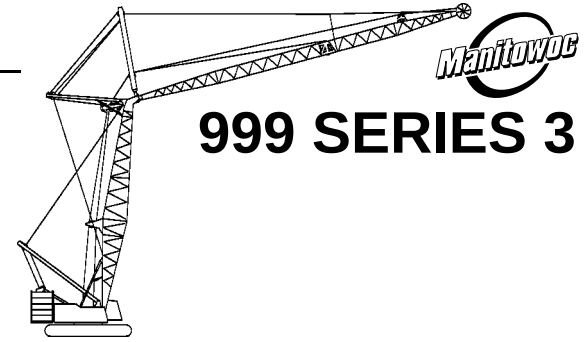
36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.2	57.7	6 800 *																		9.1	
10.0	72.5	57.4	6 800 *																		10.0	
12.0	66.2	56.6	6 800 *																		12.0	
14.0	59.5	55.5	6 800 *	69.9	56.8	6 800 *															14.0	
16.0	52.3	54.1	6 300 *	63.5	55.9	6 800 *															16.0	
18.0	44.2	52.3	5 100 *	56.6	54.7	6 800 *	63.1	55.5	6 800 *												18.0	
20.0	34.7	49.7	4 300 *	49.1	53.1	5 800 *	56.2	54.3	6 700 *												20.0	
22.0	21.7	45.8	3 700 *	40.5	51.0	4 800 *	48.6	52.7	5 800 *	60.1	54.3	6 800 *									22.0	
24.0				30.0	48.0	4 000 *	40.0	50.5	4 700 *	52.9	52.9	6 400 *									24.0	
26.0							29.3	47.5	4 000 *	44.9	51.1	5 300 *	56.6	52.6	6 700 *						26.0	
28.0										35.6	48.6	4 400 *	49.1	51.0	6 000 *						28.0	
30.0										23.0	44.8	3 700 *	40.6	48.9	4 800 *						30.0	
32.0													30.1	46.0	4 000 *	44.7	48.7	5 300 *			32.0	
34.0																35.3	46.2	4 400 *			34.0	
36.0																22.6	42.4	3 700 *	39.3	45.8	4 700 *	36.0
38.0																			28.4	42.7	4 000 *	38.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

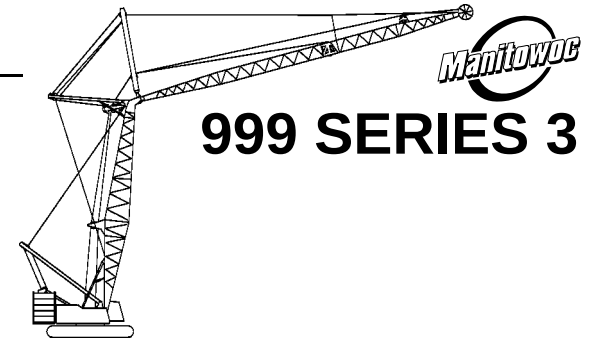
39.6m (130 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	70.8	60.3	6 800 *																		10.7	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 800 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	6 000 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	4 900 *	50.5	56.5	6 700 *	58.1	57.7	6 800 *												20.0	
22.0	22.6	49.1	4 200 *	42.2	54.5	5 700 *	50.7	56.2	6 600 *												22.0	
24.0				32.2	51.7	4 700 *	42.4	54.2	5 800 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	4 800 *	48.2	54.8	6 700 *									26.0	
28.0										39.5	52.6	5 400 *	53.1	54.8	6 800 *						28.0	
30.0										28.6	49.5	4 500 *	45.2	53.0	6 200 *						30.0	
32.0										9.1	43.2	3 900 *	35.9	50.5	5 100 *	50.0	52.7	6 800 *			32.0	
34.0													23.6	46.9	4 300 *	41.6	50.7	5 700 *			34.0	
36.0																31.4	47.8	4 700 *			36.0	
38.0																15.9	43.0	4 000 *	37.0	47.8	5 200 *	38.0
40.0																			25.1	44.3	4 400 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

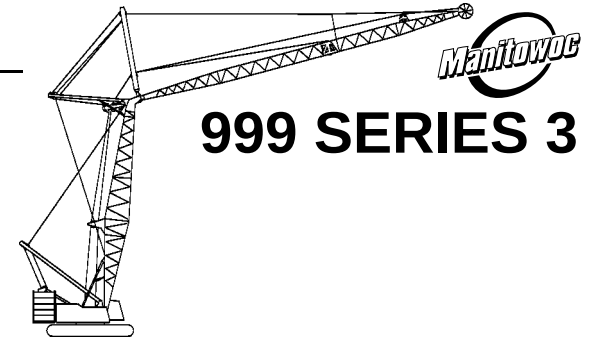
39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.5	60.8	6 800 *b																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 800 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	6 500 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	5 400 *	50.5	56.5	6 700 *	58.1	57.7	6 800 *												20.0	
22.0	22.6	49.1	4 600 *	42.2	54.5	6 400 *	50.7	56.2	6 800 *												22.0	
24.0				32.2	51.7	5 200 *	42.4	54.2	6 200 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	5 300 *	48.2	54.8	6 700 *									26.0	
28.0										39.5	52.6	6 000 *	53.1	54.8	6 800 *						28.0	
30.0										28.6	49.5	5 000 *	45.2	53.0	6 600 *						30.0	
32.0										9.1	43.2	4 300 *	35.9	50.5	5 600 *	50.0	52.7	6 800 *			32.0	
34.0													23.6	46.9	4 700 *	41.6	50.7	6 400 *			34.0	
36.0																31.4	47.8	5 200 *			36.0	
38.0																15.9	43.0	4 400 *	37.0	47.8	5 800 *	38.0
40.0																			25.1	44.3	4 800 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



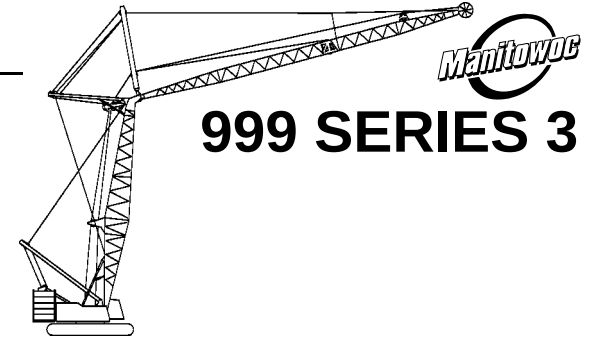
39.6m (130 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.5	60.8	6 800 *b																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 800 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	6 300 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	5 300 *	50.5	56.5	6 700 *	58.1	57.7	6 800 *												20.0	
22.0	22.6	49.1	4 500 *	42.2	54.5	6 200 *	50.7	56.2	6 800 *												22.0	
24.0				32.2	51.7	5 100 *	42.4	54.2	6 100 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	5 100 *	48.2	54.8	6 700 *									26.0	
28.0										39.5	52.6	5 800 *	53.1	54.8	6 800 *						28.0	
30.0										28.6	49.5	4 900 *	45.2	53.0	6 400 *						30.0	
32.0										9.1	43.2	4 200 *	35.9	50.5	5 400 *	50.0	52.7	6 800 *			32.0	
34.0													23.6	46.9	4 600 *	41.6	50.7	6 200 *			34.0	
36.0																31.4	47.8	5 100 *			36.0	
38.0																15.9	43.0	4 300 *	37.0	47.8	5 600 *	38.0
40.0																			25.1	44.3	4 700 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

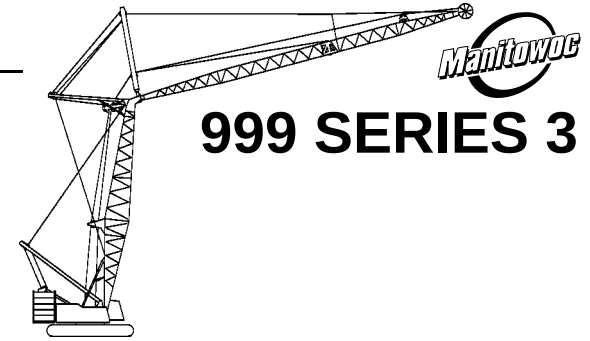
39.6m (130 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.5	60.8	6 800 *																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 600 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	5 800 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	4 700 *	50.5	56.5	6 600 *	58.1	57.7	6 800 *												20.0	
22.0	22.6	49.1	3 900 *	42.2	54.5	5 400 *	50.7	56.2	6 500 *												22.0	
24.0				32.2	51.7	4 400 *	42.4	54.2	5 500 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	4 500 *	48.2	54.8	6 300 *									26.0	
28.0										39.5	52.6	5 100 *	53.1	54.8	6 700 *						28.0	
30.0										28.6	49.5	4 300 *	45.2	53.0	6 000 *						30.0	
32.0										9.1	43.2	3 700 *	35.9	50.5	4 800 *	50.0	52.7	6 700 *			32.0	
34.0													23.6	46.9	4 000 *	41.6	50.7	5 400 *			34.0	
36.0																31.4	47.8	4 500 *			36.0	
38.0																15.9	43.0	3 800 *	37.0	47.8	4 900 *	38.0
40.0																			25.1	44.3	4 100 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



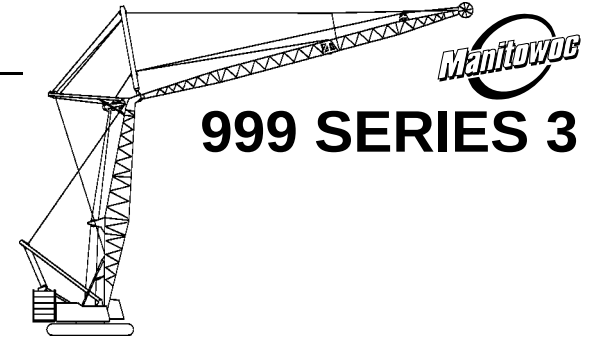
39.6m (130 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.5	60.8	6 800 *																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 400 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	5 400 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	4 500 *	50.5	56.5	6 400 *	58.1	57.7	6 800 *												20.0	
22.0	22.6	49.1	3 700 *	42.2	54.5	5 100 *	50.7	56.2	6 300 *												22.0	
24.0				32.2	51.7	4 200 *	42.4	54.2	5 100 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	4 300 *	48.2	54.8	6 000 *									26.0	
28.0										39.5	52.6	4 800 *	53.1	54.8	6 600 *						28.0	
30.0										28.6	49.5	4 100 *	45.2	53.0	5 600 *						30.0	
32.0										9.1	43.2	3 500 *	35.9	50.5	4 600 *	50.0	52.7	6 300 *			32.0	
34.0													23.6	46.9	3 800 *	41.6	50.7	5 100 *			34.0	
36.0																31.4	47.8	4 200 *			36.0	
38.0																15.9	43.0	3 600 *	37.0	47.8	4 700 *	38.0
40.0																			25.1	44.3	3 900 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

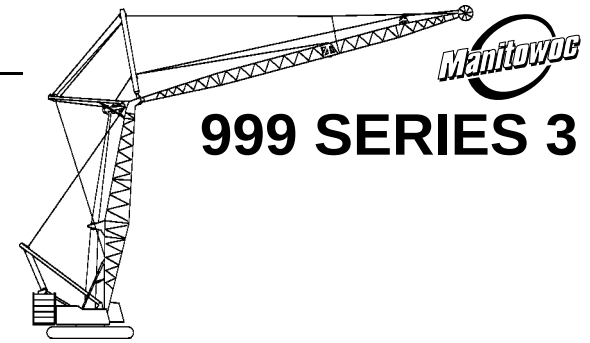
39.6m (130 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.5	60.8	6 800 *																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 400 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	5 300 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	4 300 *	50.5	56.5	6 200 *	58.1	57.7	6 700 *												20.0	
22.0	22.6	49.1	3 700 *	42.2	54.5	5 000 *	50.7	56.2	6 300 *												22.0	
24.0				32.2	51.7	4 100 *	42.4	54.2	5 000 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	4 200 *	48.2	54.8	5 800 *									26.0	
28.0										39.5	52.6	4 700 *	53.1	54.8	6 500 *						28.0	
30.0										28.6	49.5	4 000 *	45.2	53.0	5 400 *						30.0	
32.0										9.1	43.2	3 400 *	35.9	50.5	4 400 *	50.0	52.7	6 100 *			32.0	
34.0													23.6	46.9	3 700 *	41.6	50.7	5 000 *			34.0	
36.0																31.4	47.8	4 100 *			36.0	
38.0																15.9	43.0	3 500 *	37.0	47.8	4 600 *	38.0
40.0																			25.1	44.3	3 800 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



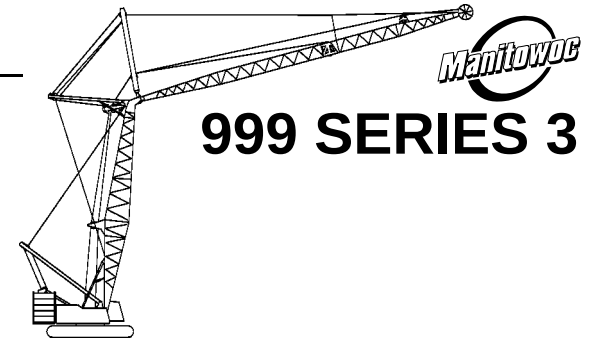
39.6m (130 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.5	60.8	6 800 *																		9.1	
10.0	72.9	60.5	6 800 *																		10.0	
12.0	66.5	59.7	6 800 *																		12.0	
14.0	59.9	58.7	6 800 *																		14.0	
16.0	52.7	57.3	6 300 *	64.7	59.1	6 800 *															16.0	
18.0	44.7	55.4	5 200 *	57.9	58.0	6 800 *															18.0	
20.0	35.3	52.9	4 300 *	50.5	56.5	6 100 *	58.1	57.7	6 700 *												20.0	
22.0	22.6	49.1	3 700 *	42.2	54.5	5 000 *	50.7	56.2	6 300 *												22.0	
24.0				32.2	51.7	4 200 *	42.4	54.2	5 000 *	55.8	56.4	6 800 *									24.0	
26.0							32.5	51.5	4 200 *	48.2	54.8	5 700 *									26.0	
28.0										39.5	52.6	4 700 *	53.1	54.8	6 500 *						28.0	
30.0										28.6	49.5	4 000 *	45.2	53.0	5 400 *						30.0	
32.0										9.1	43.2	3 400 *	35.9	50.5	4 400 *	50.0	52.7	6 100 *			32.0	
34.0													23.6	46.9	3 800 *	41.6	50.7	5 000 *			34.0	
36.0																31.4	47.8	4 200 *			36.0	
38.0																15.9	43.0	3 600 *	37.0	47.8	4 600 *	38.0
40.0																			25.1	44.3	3 900 *	40.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

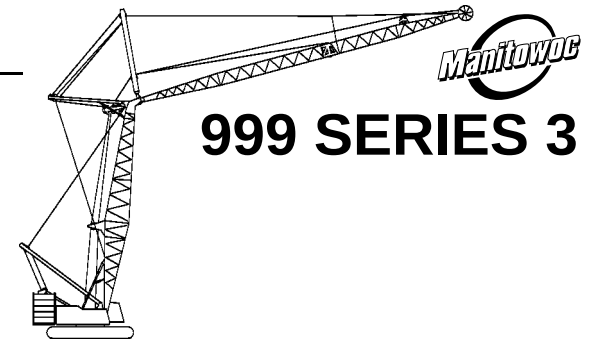
42.7m (140 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.1	63.4	6 800 *																		10.7	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 800 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	6 100 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	5 000 *	52.0	59.8	6 700 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	4 300 *	43.9	57.9	6 000 *	52.7	59.6	6 800 *												22.0	
24.0				34.3	55.3	4 900 *	44.7	57.8	6 100 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	5 000 *	51.3	58.4	6 700 *									26.0	
28.0							22.7	51.5	4 200 *	43.1	56.5	5 900 *									28.0	
30.0										33.3	53.8	4 900 *	49.5	56.8	6 700 *						30.0	
32.0										19.4	49.6	4 100 *	41.0	54.8	5 700 *						32.0	
34.0													30.6	51.9	4 700 *	47.1	54.8	6 500 *			34.0	
36.0																38.2	52.6	5 400 *			36.0	
38.0																26.9	49.3	4 500 *			38.0	
40.0																			34.5	49.7	5 000 *	40.0
42.0																			21.4	45.8	4 300 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



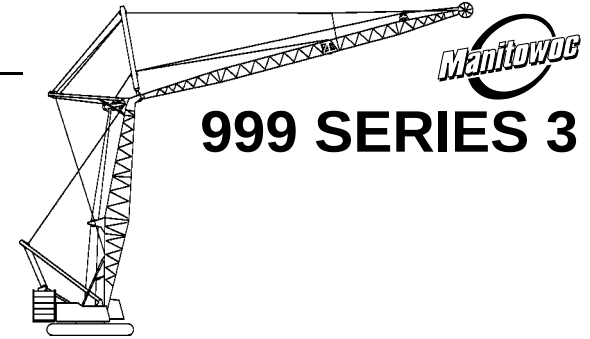
42.7m (140 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms				
9.1	75.8	63.8	6 800 *	65.9	62.3	6 800 *															9.1							
10.0	73.2	63.6	6 800 *																			10.0						
12.0	66.9	62.8	6 800 *																			12.0						
14.0	60.2	61.8	6 800 *																			14.0						
16.0	53.1	60.4	6 800 *																			16.0						
18.0	45.1	58.6	6 500 *	59.2	61.2	6 800 *	59.9	61.0	6 800 *											18.0								
20.0	35.8	56.1	5 500 *	52.0	59.8	6 800 *															20.0							
22.0	23.4	52.4	4 600 *	43.9	57.9	6 400 *															52.7	59.6	6 800 *	22.0				
24.0				34.3	55.3	5 500 *															44.7	57.8	6 500 *	58.6	59.9	6 800 *	24.0	
26.0																					35.3	55.3	5 500 *	51.3	58.4	6 800 *	26.0	
28.0							22.7	51.5	4 700 *	43.1	56.5	6 400 *	49.5	56.8	6 800 *						28.0							
30.0																						33.3	53.8	5 400 *	30.0			
32.0																						19.4	49.6	4 500 *	32.0			
34.0																									41.0	54.8	6 300 *	34.0
36.0																									30.6	51.9	5 200 *	36.0
38.0															47.1	54.8	6 700 *				38.0							
40.0																						38.2	52.6	6 000 *	40.0			
42.0																						26.9	49.3	4 900 *	42.0			
				34.5	49.7	5 600 *															40.0							
				21.4	45.8	4 700 *															42.0							

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

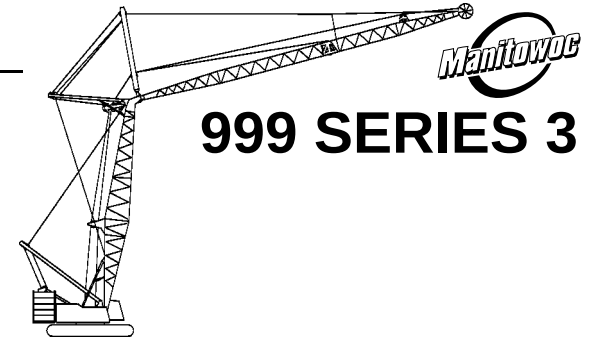
42.7m (140 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.8	63.8	6 800 *b																		9.1	
10.0	73.2	63.6	6 800 *																		10.0	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 800 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	6 400 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	5 400 *	52.0	59.8	6 800 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	4 500 *	43.9	57.9	6 400 *	52.7	59.6	6 800 *												22.0	
24.0				34.3	55.3	5 300 *	44.7	57.8	6 400 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	5 400 *	51.3	58.4	6 700 *									26.0	
28.0							22.7	51.5	4 600 *	43.1	56.5	6 400 *									28.0	
30.0										33.3	53.8	5 200 *	49.5	56.8	6 800 *						30.0	
32.0										19.4	49.6	4 400 *	41.0	54.8	6 100 *						32.0	
34.0													30.6	51.9	5 000 *	47.1	54.8	6 600 *			34.0	
36.0																38.2	52.6	5 800 *			36.0	
38.0																26.9	49.3	4 800 *			38.0	
40.0																			34.5	49.7	5 400 *	40.0
42.0																			21.4	45.8	4 600 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



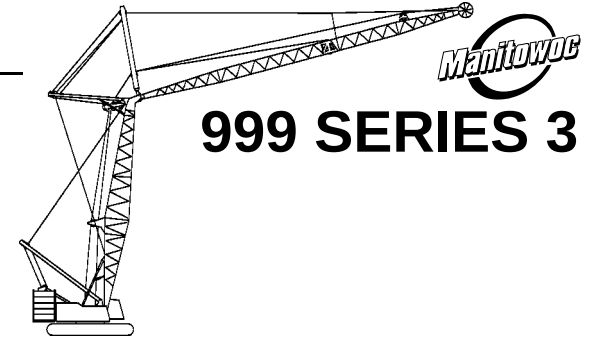
42.7m (140 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.8	63.8	6 800 *																		9.1	
10.0	73.2	63.6	6 800 *																		10.0	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 700 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	5 800 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	4 700 *	52.0	59.8	6 700 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	4 000 *	43.9	57.9	5 700 *	52.7	59.6	6 700 *												22.0	
24.0				34.3	55.3	4 600 *	44.7	57.8	5 900 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	4 800 *	51.3	58.4	6 700 *									26.0	
28.0							22.7	51.5	4 000 *	43.1	56.5	5 600 *									28.0	
30.0										33.3	53.8	4 600 *	49.5	56.8	6 400 *						30.0	
32.0										19.4	49.6	3 900 *	41.0	54.8	5 400 *						32.0	
34.0													30.6	51.9	4 400 *	47.1	54.8	6 300 *			34.0	
36.0																38.2	52.6	5 100 *			36.0	
38.0																26.9	49.3	4 200 *			38.0	
40.0																			34.5	49.7	4 800 *	40.0
42.0																			21.4	45.8	4 000 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

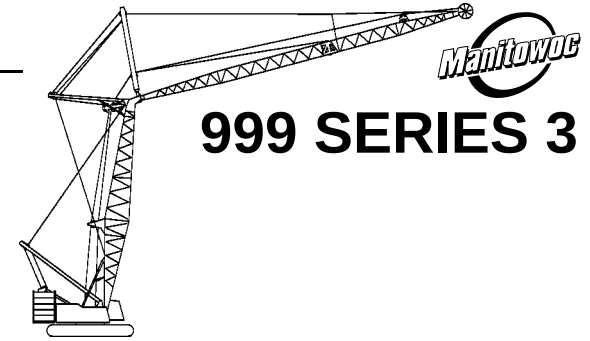
42.7m (140 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.8	63.8	6 800 *																		9.1	
10.0	73.2	63.6	6 800 *																		10.0	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 500 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	5 500 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	4 500 *	52.0	59.8	6 600 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	3 800 *	43.9	57.9	5 300 *	52.7	59.6	6 500 *												22.0	
24.0				34.3	55.3	4 400 *	44.7	57.8	5 500 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	4 500 *	51.3	58.4	6 600 *									26.0	
28.0							22.7	51.5	3 800 *	43.1	56.5	5 300 *									28.0	
30.0										33.3	53.8	4 300 *	49.5	56.8	6 200 *						30.0	
32.0										19.4	49.6	3 700 *	41.0	54.8	5 100 *						32.0	
34.0													30.6	51.9	4 200 *	47.1	54.8	5 900 *			34.0	
36.0																38.2	52.6	4 800 *			36.0	
38.0																26.9	49.3	4 000 *			38.0	
40.0																			34.5	49.7	4 500 *	40.0
42.0																			21.4	45.8	3 800 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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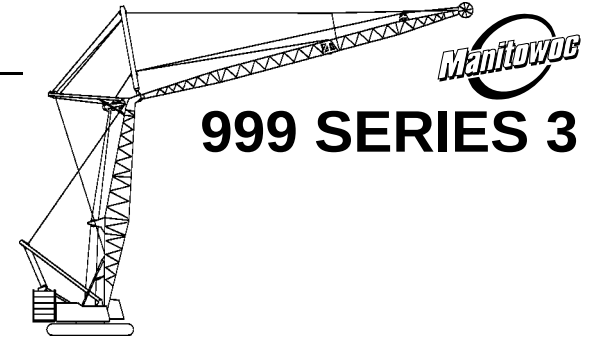
42.7m (140 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.8	63.8	6 800 *																		9.1	
10.0	73.2	63.6	6 800 *																		10.0	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 400 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	5 400 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	4 400 *	52.0	59.8	6 500 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	3 700 *	43.9	57.9	5 200 *	52.7	59.6	6 400 *												22.0	
24.0				34.3	55.3	4 300 *	44.7	57.8	5 300 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	4 400 *	51.3	58.4	6 400 *									26.0	
28.0							22.7	51.5	3 700 *	43.1	56.5	5 100 *									28.0	
30.0										33.3	53.8	4 300 *	49.5	56.8	6 100 *						30.0	
32.0										19.4	49.6	3 600 *	41.0	54.8	4 900 *						32.0	
34.0													30.6	51.9	4 100 *	47.1	54.8	5 800 *			34.0	
36.0																38.2	52.6	4 700 *			36.0	
38.0																26.9	49.3	3 900 *			38.0	
40.0																			34.5	49.7	4 400 *	40.0
42.0																			21.4	45.8	3 700 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

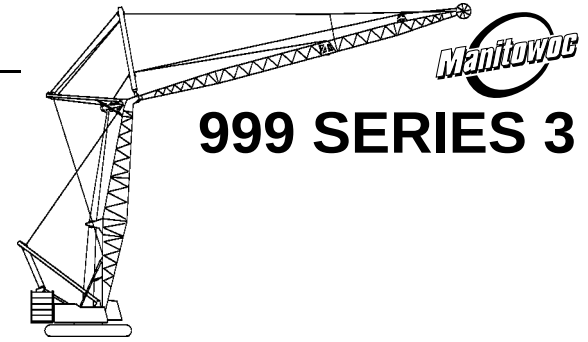
42.7m (140 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	75.8	63.8	6 800 *																		9.1	
10.0	73.2	63.6	6 800 *																		10.0	
12.0	66.9	62.8	6 800 *																		12.0	
14.0	60.2	61.8	6 800 *																		14.0	
16.0	53.1	60.4	6 400 *	65.9	62.3	6 800 *															16.0	
18.0	45.1	58.6	5 300 *	59.2	61.2	6 800 *															18.0	
20.0	35.8	56.1	4 400 *	52.0	59.8	6 400 *	59.9	61.0	6 800 *												20.0	
22.0	23.4	52.4	3 700 *	43.9	57.9	5 200 *	52.7	59.6	6 400 *												22.0	
24.0				34.3	55.3	4 300 *	44.7	57.8	5 300 *	58.6	59.9	6 800 *									24.0	
26.0							35.3	55.3	4 400 *	51.3	58.4	6 400 *									26.0	
28.0							22.7	51.5	3 700 *	43.1	56.5	5 100 *									28.0	
30.0										33.3	53.8	4 300 *	49.5	56.8	6 100 *						30.0	
32.0										19.4	49.6	3 700 *	41.0	54.8	4 900 *						32.0	
34.0													30.6	51.9	4 100 *	47.1	54.8	5 700 *			34.0	
36.0																38.2	52.6	4 700 *			36.0	
38.0																26.9	49.3	4 000 *			38.0	
40.0																			34.5	49.7	4 400 *	40.0
42.0																			21.4	45.8	3 800 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



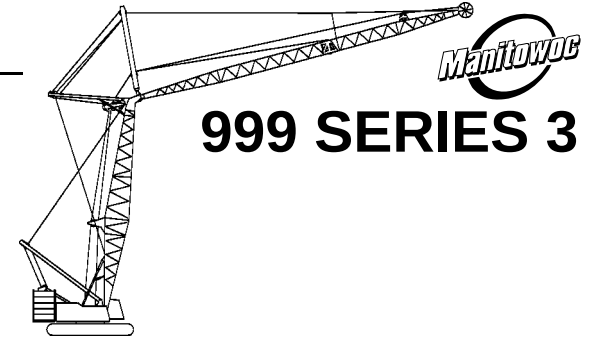
45.7m (150 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.4	66.4	6 800 *b																		10.7	
12.0	67.2	65.9	6 800 *																		12.0	
14.0	60.6	64.9	6 800 *																		14.0	
16.0	53.5	63.5	6 800 *	67.1	65.5	6 800 *															16.0	
18.0	45.6	61.7	6 100 *	60.5	64.5	6 800 *															18.0	
20.0	36.4	59.3	5 100 *	53.4	63.1	6 700 *	61.7	64.3	6 800 *												20.0	
22.0	24.2	55.7	4 300 *	45.5	61.3	6 300 *	54.7	63.0	6 800 *												22.0	
24.0				36.2	58.9	5 100 *	47.0	61.3	6 300 *												24.0	
26.0				24.0	55.3	4 300 *	38.0	59.0	5 300 *	54.3	62.0	6 800 *									26.0	
28.0							26.6	55.7	4 400 *	46.5	60.3	6 400 *									28.0	
30.0										37.4	57.9	5 300 *	53.5	60.6	6 800 *						30.0	
32.0										25.8	54.5	4 400 *	45.6	58.8	6 300 *						32.0	
34.0													36.4	56.4	5 200 *						34.0	
36.0													24.2	52.8	4 400 *	44.1	56.9	6 200 *			36.0	
38.0																34.6	54.3	5 100 *			38.0	
40.0																21.5	50.3	4 300 *	42.0	54.4	5 900 *	40.0
42.0																			31.9	51.6	4 900 *	42.0
44.0																			16.8	47.0	4 100 *	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

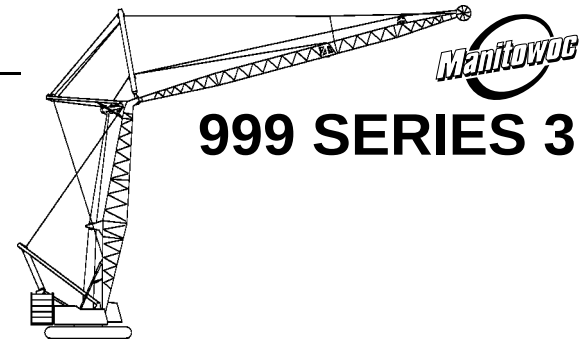
45.7m (150 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms
10.7	71.4	66.4	6 800 *	67.1 60.5	65.5 64.5	6 800 *																		
12.0	67.2	65.9	6 800 *																					
14.0	60.6	64.9	6 800 *																					
16.0	53.5	63.5	6 800 *																					
18.0	45.6	61.7	6 600 *																					
20.0	36.4	59.3	5 600 *	53.4	63.1	6 800 *	61.7	64.3	6 800 *															
22.0	24.2	55.7	4 700 *	45.5	61.3	6 500 *	54.7	63.0	6 800 *															
24.0				36.2	58.9	5 700 *	47.0	61.3	6 800 *															
26.0				24.0	55.3	4 700 *	38.0	59.0	5 800 *													54.3	62.0	6 800 *
28.0							26.6	55.7	4 900 *													46.5	60.3	6 600 *
30.0										37.4	57.9	5 900 *	53.5	60.6	6 800 *									
32.0										25.8	54.5	4 900 *	45.6	58.8	6 800 *									
34.0													36.4	56.4	5 800 *									
36.0													24.2	52.8	4 800 *							44.1	56.9	6 600 *
38.0																						34.6	54.3	5 600 *
40.0																								
42.0																								
44.0																								

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



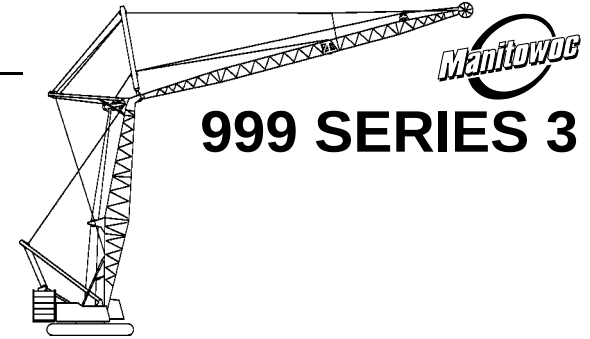
45.7m (150 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.4	66.4	6 800 *																		10.7	
12.0	67.2	65.9	6 800 *																		12.0	
14.0	60.6	64.9	6 800 *																		14.0	
16.0	53.5	63.5	6 800 *	67.1	65.5	6 800 *															16.0	
18.0	45.6	61.7	6 500 *	60.5	64.5	6 800 *															18.0	
20.0	36.4	59.3	5 400 *	53.4	63.1	6 800 *	61.7	64.3	6 800 *												20.0	
22.0	24.2	55.7	4 600 *	45.5	61.3	6 500 *	54.7	63.0	6 800 *												22.0	
24.0				36.2	58.9	5 500 *	47.0	61.3	6 700 *												24.0	
26.0				24.0	55.3	4 600 *	38.0	59.0	5 700 *	54.3	62.0	6 800 *									26.0	
28.0							26.6	55.7	4 800 *	46.5	60.3	6 600 *									28.0	
30.0										37.4	57.9	5 700 *	53.5	60.6	6 800 *						30.0	
32.0										25.8	54.5	4 800 *	45.6	58.8	6 800 *						32.0	
34.0													36.4	56.4	5 600 *						34.0	
36.0													24.2	52.8	4 700 *	44.1	56.9	6 400 *			36.0	
38.0																34.6	54.3	5 500 *			38.0	
40.0																21.5	50.3	4 600 *	42.0	54.4	6 300 *	40.0
42.0																			31.9	51.6	5 200 *	42.0
44.0																			16.8	47.0	4 500 *	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

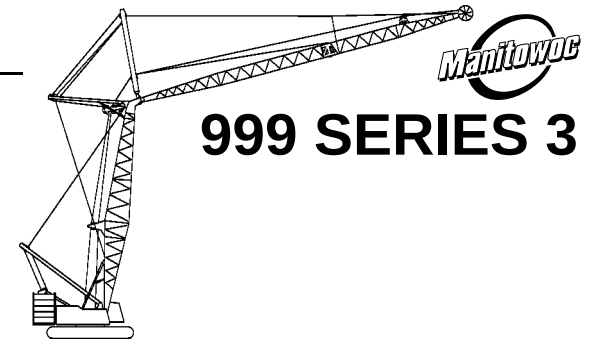
45.7m (150 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms
10.7	71.4	66.4	6 800 *	67.1 60.5	65.5 64.5	6 800 *																		
12.0	67.2	65.9	6 800 *																					
14.0	60.6	64.9	6 800 *																					
16.0	53.5	63.5	6 700 *																					
18.0	45.6	61.7	5 900 *																					
20.0	36.4	59.3	4 800 *	53.4	63.1	6 700 *	61.7	64.3	6 800 *															
22.0	24.2	55.7	4 000 *	45.5	61.3	6 000 *	54.7	63.0	6 800 *															
24.0				36.2	58.9	4 800 *	47.0	61.3	6 100 *															
26.0				24.0	55.3	4 000 *	38.0	59.0	5 000 *													54.3	62.0	6 700 *
28.0							26.6	55.7	4 200 *													46.5	60.3	6 200 *
30.0										37.4	57.9	5 000 *												
32.0										25.8	54.5	4 200 *												
34.0																								
36.0																								
38.0																								
40.0																								
42.0																								
44.0																								

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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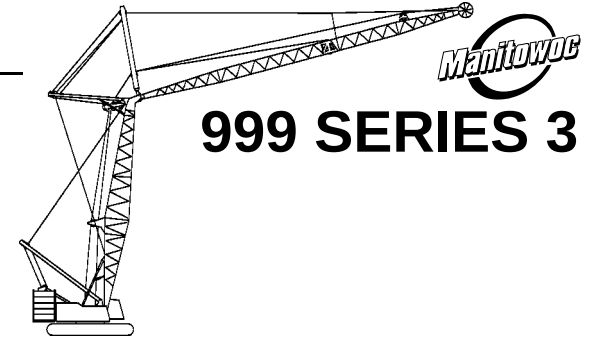
45.7m (150 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.4	66.4	6 800 *	67.1 60.5	65.5 64.5	6 800 *																
12.0	67.2	65.9	6 800 *																			
14.0	60.6	64.9	6 800 *																			
16.0	53.5	63.5	6 600 *																			
18.0	45.6	61.7	5 600 *																			
20.0	36.4	59.3	4 500 *	53.4 45.5 36.2 24.0	63.1 61.3 58.9 55.3	6 700 * 5 600 * 4 600 * 3 900 *	61.7 54.7 47.0 38.0 26.6	64.3 63.0 61.3 59.0 55.7	6 800 * 6 700 * 5 900 * 4 800 * 4 000 *	54.3 46.5	62.0 60.3	6 700 * 5 900 *										
22.0	24.2	55.7	3 800 *																			
24.0																						
26.0																						
28.0																						
30.0													53.5 45.6 36.4 24.2	60.6 58.8 56.4 52.8	6 800 * 5 700 * 4 700 * 3 900 *							
32.0																						
34.0																						
36.0																						
38.0																						
40.0																44.1 34.6 21.5	56.9 54.3 50.3	5 600 * 4 600 * 3 800 *				
42.0																						
44.0																						

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
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999 SERIES 3

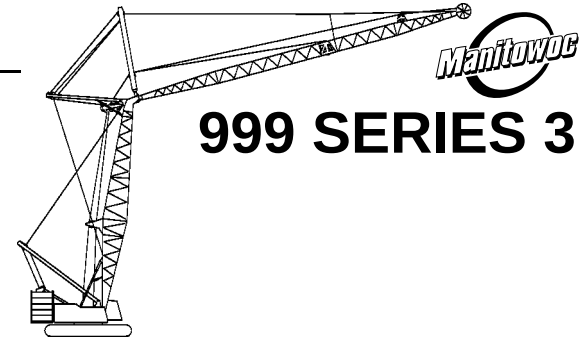
45.7m (150 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms
10.7	71.4	66.4	6 800 *	67.1 60.5	65.5 64.5	6 800 *																		
12.0	67.2	65.9	6 800 *																					
14.0	60.6	64.9	6 800 *																					
16.0	53.5	63.5	6 500 *																					
18.0	45.6	61.7	5 500 *																					
20.0	36.4	59.3	4 500 *	53.4	63.1	6 600 *	61.7	64.3	6 800 *															
22.0	24.2	55.7	3 700 *	45.5	61.3	5 400 *	54.7	63.0	6 600 *															
24.0				36.2	58.9	4 500 *	47.0	61.3	5 800 *															
26.0				24.0	55.3	3 800 *	38.0	59.0	4 600 *													54.3	62.0	6 700 *
28.0							26.6	55.7	3 900 *													46.5	60.3	5 700 *
30.0										37.4	57.9	4 600 *	53.5	60.6	6 600 *									
32.0										25.8	54.5	3 900 *	45.6	58.8	5 600 *									
34.0													36.4	56.4	4 600 *									
36.0													24.2	52.8	3 800 *							44.1	56.9	5 400 *
38.0																						34.6	54.3	4 400 *
40.0																								
42.0																								
44.0																								

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

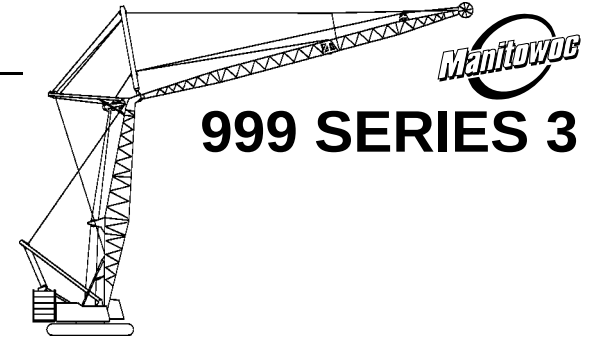
45.7m (150 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.4	66.4	6 800 *	67.1 60.5	65.5 64.5	6 800 *															10.7	
12.0	67.2	65.9	6 800 *																			
14.0	60.6	64.9	6 800 *																			
16.0	53.5	63.5	6 400 *																			
18.0	45.6	61.7	5 400 *																			
20.0	36.4	59.3	4 500 *	53.4 45.5 36.2 24.0	63.1 61.3 58.9 55.3	6 600 * 5 400 * 4 500 * 3 800 *	61.7 54.7 47.0 38.0	64.3 63.0 61.3 59.0 55.7	6 800 * 6 600 * 5 700 * 4 600 * 3 900 *											20.0		
22.0	24.2	55.7	3 800 *																			
24.0																						
26.0																						
28.0																						
30.0																					30.0	
32.0																						
34.0																						
36.0																						
38.0																						
40.0																					40.0	
42.0																						
44.0																						

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

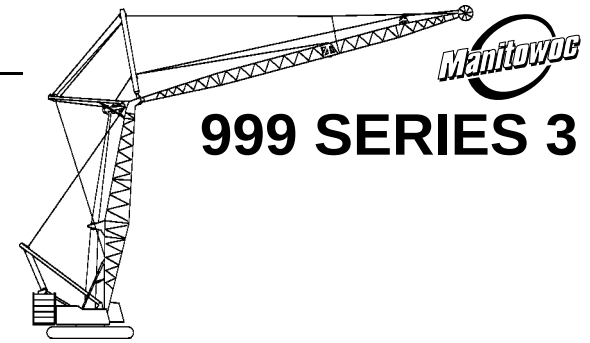
48.8m (160 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.8	69.5	6 800 *b																		10.7	
12.0	67.6	69.0	6 800 *																		12.0	
14.0	60.9	68.0	6 800 *																		14.0	
16.0	53.9	66.6	6 800 *	68.3	68.7	6 800 *															16.0	
18.0	46.0	64.9	6 200 *	61.7	67.7	6 800 *															18.0	
20.0	36.9	62.5	5 100 *	54.7	66.4	6 800 *	63.5	67.6	6 800 *												20.0	
22.0	25.0	59.0	4 300 *	47.0	64.7	6 400 *	56.6	66.4	6 800 *												22.0	
24.0				38.1	62.5	5 300 *	49.1	64.8	6 700 *												24.0	
26.0				26.7	59.1	4 500 *	40.6	62.7	5 600 *	57.1	65.5	6 800 *									26.0	
28.0							30.0	59.7	4 700 *	49.7	64.0	6 600 *									28.0	
30.0										41.2	61.9	5 800 *									30.0	
32.0										30.9	59.0	4 800 *	49.8	62.7	6 800 *						32.0	
34.0													41.4	60.6	5 900 *						34.0	
36.0													31.1	57.7	4 800 *						36.0	
38.0													15.4	52.8	4 100 *	41.0	58.8	5 800 *			38.0	
40.0																30.6	55.9	4 800 *			40.0	
42.0																			39.8	56.5	5 700 *	42.0
44.0																			29.0	53.4	4 700 *	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



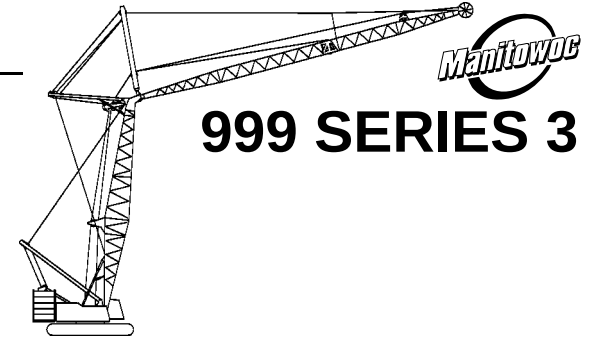
48.8m (160 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.8	69.5	6 800 *																		10.7	
12.0	67.6	69.0	6 800 *																		12.0	
14.0	60.9	68.0	6 800 *																		14.0	
16.0	53.9	66.6	6 800 *	68.3	68.7	6 800 *															16.0	
18.0	46.0	64.9	6 700 *	61.7	67.7	6 800 *															18.0	
20.0	36.9	62.5	5 700 *	54.7	66.4	6 800 *	63.5	67.6	6 800 *												20.0	
22.0	25.0	59.0	4 800 *	47.0	64.7	6 700 *	56.6	66.4	6 800 *												22.0	
24.0				38.1	62.5	5 900 *	49.1	64.8	6 800 *												24.0	
26.0				26.7	59.1	4 900 *	40.6	62.7	6 200 *	57.1	65.5	6 800 *									26.0	
28.0							30.0	59.7	5 200 *	49.7	64.0	6 800 *									28.0	
30.0										41.2	61.9	6 300 *									30.0	
32.0										30.9	59.0	5 300 *	49.8	62.7	6 800 *						32.0	
34.0													41.4	60.6	6 500 *						34.0	
36.0													31.1	57.7	5 300 *						36.0	
38.0													15.4	52.8	4 500 *	41.0	58.8	6 400 *			38.0	
40.0																30.6	55.9	5 300 *			40.0	
42.0																			39.8	56.5	5 600	
44.0																			29.0	53.4	4 900	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

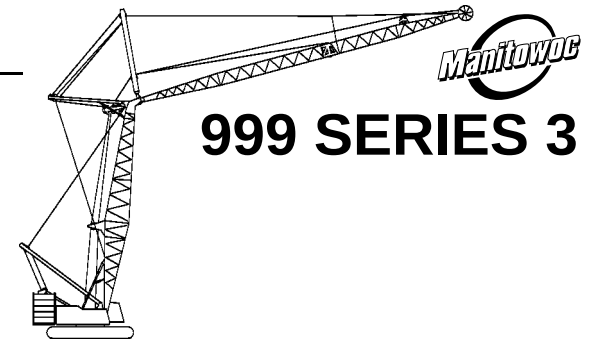
48.8m (160 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.8	69.5	6 800 *																		10.7	
12.0	67.6	69.0	6 800 *																		12.0	
14.0	60.9	68.0	6 800 *																		14.0	
16.0	53.9	66.6	6 800 *	68.3	68.7	6 800 *															16.0	
18.0	46.0	64.9	6 500 *	61.7	67.7	6 800 *															18.0	
20.0	36.9	62.5	5 500 *	54.7	66.4	6 800 *	63.5	67.6	6 800 *												20.0	
22.0	25.0	59.0	4 700 *	47.0	64.7	6 600 *	56.6	66.4	6 800 *												22.0	
24.0				38.1	62.5	5 800 *	49.1	64.8	6 800 *												24.0	
26.0				26.7	59.1	4 800 *	40.6	62.7	6 000 *	57.1	65.5	6 800 *									26.0	
28.0							30.0	59.7	5 000 *	49.7	64.0	6 800 *									28.0	
30.0										41.2	61.9	6 200 *									30.0	
32.0										30.9	59.0	5 100 *	49.8	62.7	6 800 *						32.0	
34.0													41.4	60.6	6 300 *						34.0	
36.0													31.1	57.7	5 200 *						36.0	
38.0													15.4	52.8	4 400 *	41.0	58.8	6 200 *			38.0	
40.0																30.6	55.9	5 200 *			40.0	
42.0																			39.8	56.5	5 200	
44.0																			29.0	53.4	4 500	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



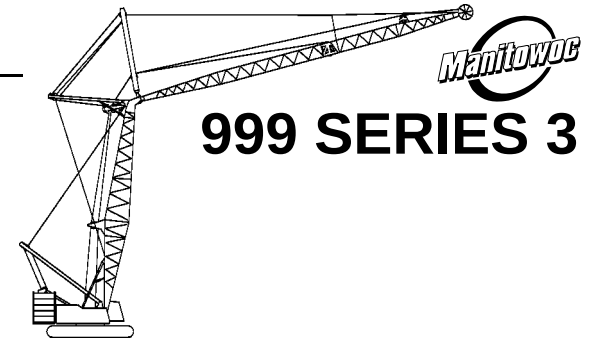
48.8m (160 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.8	69.5	6 800 *																		10.7	
12.0	67.6	69.0	6 800 *																		12.0	
14.0	60.9	68.0	6 800 *																		14.0	
16.0	53.9	66.6	6 800 *	68.3	68.7	6 800 *															16.0	
18.0	46.0	64.9	5 900 *	61.7	67.7	6 800 *															18.0	
20.0	36.9	62.5	4 900 *	54.7	66.4	6 700 *	63.5	67.6	6 800 *												20.0	
22.0	25.0	59.0	4 100 *	47.0	64.7	6 300 *	56.6	66.4	6 800 *												22.0	
24.0				38.1	62.5	5 000 *	49.1	64.8	6 400 *												24.0	
26.0				26.7	59.1	4 200 *	40.6	62.7	5 300 *	57.1	65.5	6 800 *									26.0	
28.0							30.0	59.7	4 400 *	49.7	64.0	6 500 *									28.0	
30.0										41.2	61.9	5 500 *									30.0	
32.0										30.9	59.0	4 500 *	49.8	62.7	6 800 *						32.0	
34.0													41.4	60.6	5 500 *						34.0	
36.0													31.1	57.7	4 600 *						36.0	
38.0													15.4	52.8	3 900 *	41.0	58.8	5 500 *			38.0	
40.0																30.6	55.9	4 600 *			40.0	
42.0																			39.8	56.5	4 700	
44.0																			29.0	53.4	3 900	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

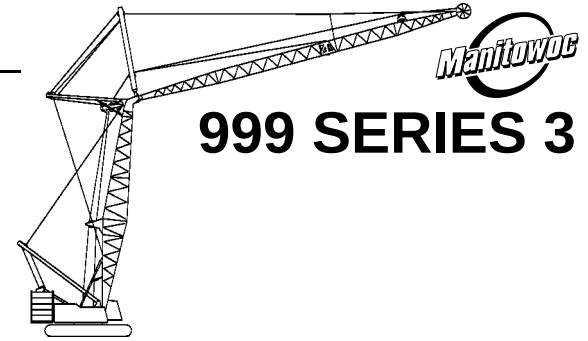
48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m
10.7	71.8	69.5	6 800 *	68.3	68.7	6 800 *																	
12.0	67.6	69.0	6 800 *																				
14.0	60.9	68.0	6 800 *																				
16.0	53.9	66.6	6 600 *																				
18.0	46.0	64.9	5 700 *																				
20.0	36.9	62.5	4 600 *	54.7	66.4	6 700 *	63.5	67.6	6 800 *														
22.0	25.0	59.0	3 900 *	47.0	64.7	5 900 *	56.6	66.4	6 800 *														
24.0				38.1	62.5	4 800 *	49.1	64.8	6 200 *														
26.0				26.7	59.1	4 000 *	40.6	62.7	5 000 *												57.1	65.5	6 800 *
28.0							30.0	59.7	4 200 *												49.7	64.0	6 400 *
30.0										41.2	61.9	5 200 *	49.8	62.7	6 500 *								
32.0										30.9	59.0	4 300 *											
34.0																							
36.0																							
38.0																							
40.0													41.0	58.8	5 200 *	39.8	56.5	4 400	40.0				
42.0													30.6	55.9	4 300 *								
44.0																				29.0	53.4	3 600	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



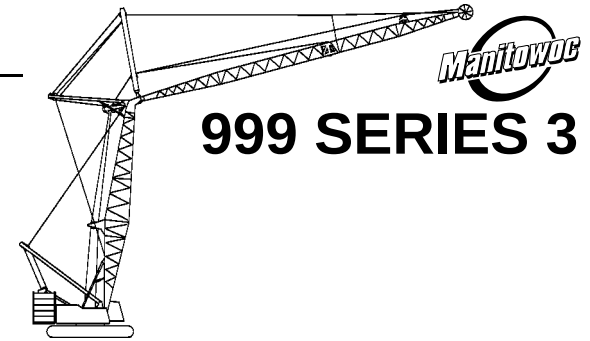
48.8m (160 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	71.8	69.5	6 800 *																		10.7	
12.0	67.6	69.0	6 800 *																		12.0	
14.0	60.9	68.0	6 800 *																		14.0	
16.0	53.9	66.6	6 500 *	68.3	68.7	6 800 *															16.0	
18.0	46.0	64.9	5 500 *	61.7	67.7	6 800 *															18.0	
20.0	36.9	62.5	4 500 *	54.7	66.4	6 700 *	63.5	67.6	6 800 *												20.0	
22.0	25.0	59.0	3 800 *	47.0	64.7	5 800 *	56.6	66.4	6 800 *												22.0	
24.0				38.1	62.5	4 700 *	49.1	64.8	6 000 *												24.0	
26.0				26.7	59.1	3 900 *	40.6	62.7	4 900 *	57.1	65.5	6 700 *									26.0	
28.0							30.0	59.7	4 100 *	49.7	64.0	6 400 *									28.0	
30.0										41.2	61.9	5 000 *									30.0	
32.0										30.9	59.0	4 200 *	49.8	62.7	6 300 *						32.0	
34.0													41.4	60.6	5 100 *						34.0	
36.0													31.1	57.7	4 200 *						36.0	
38.0													15.4	52.8	3 600 *	41.0	58.8	5 100 *			38.0	
40.0																30.6	55.9	4 200 *			40.0	
42.0																			39.8	56.5	3 800	
44.0																			29.0	53.4	3 100	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

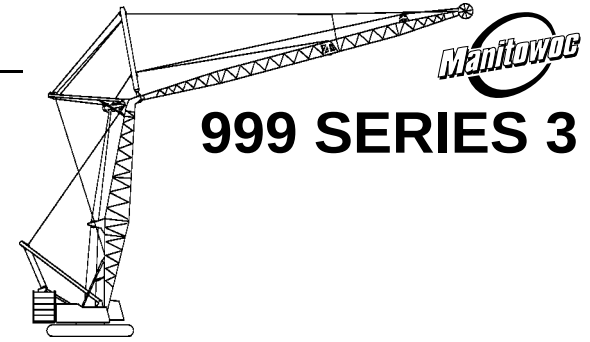
48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms
10.7	71.8	69.5	6 800 *	68.3	68.7	6 800 *																		
12.0	67.6	69.0	6 800 *																					
14.0	60.9	68.0	6 800 *																					
16.0	53.9	66.6	6 500 *																					
18.0	46.0	64.9	5 500 *																					
20.0	36.9	62.5	4 500 *	54.7	66.4	6 700 *	63.5	67.6	6 800 *															
22.0	25.0	59.0	3 800 *	47.0	64.7	5 700 *	56.6	66.4	6 800 *															
24.0				38.1	62.5	4 600 *	49.1	64.8	6 000 *															
26.0				26.7	59.1	4 000 *	40.6	62.7	4 900 *													57.1	65.5	6 700 *
28.0							30.0	59.7	4 100 *													49.7	64.0	6 300 *
30.0										41.2	61.9	5 000 *	49.8	62.7	6 300 *									
32.0										30.9	59.0	4 200 *												
34.0																						41.4	60.6	5 100 *
36.0																						31.1	57.7	4 200 *
38.0																						15.4	52.8	3 600 *
40.0																41.0	58.8	5 100 *	39.8	56.5	3 400	40.0		
42.0																30.6	55.9	4 300 *				42.0		
44.0																						29.0	53.4	2 600

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



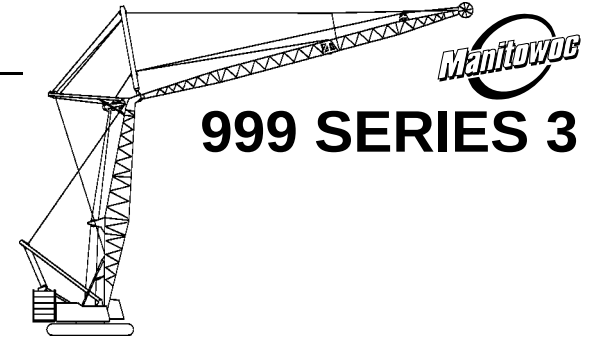
51.8m (170 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m
12.2	67.3	72.0	6 800 *	63.0	71.0	6 800 *	65.2	70.9	6 800 *														
14.0	61.3	71.1	6 800 *																				
16.0	54.2	69.8	6 800 *																				
18.0	46.5	68.0	6 300 *																				
20.0	37.4	65.7	5 200 *																				
22.0	25.8	62.3	4 400 *	48.5	68.1	6 500 *	58.5	69.7	6 800 *														
24.0				39.9	66.0	5 600 *	51.2	68.3	6 800 *														
26.0				29.1	62.9	4 600 *	43.0	66.3	6 000 *												59.9	69.0	6 800 *
28.0							33.1	63.7	4 900 *												52.7	67.6	6 800 *
30.0							19.1	59.3	4 200 *												44.7	65.7	6 200 *
32.0							35.3	63.2	5 200 *	53.8	66.4	6 800 *											
34.0							22.6	59.4	4 400 *	45.9	64.6	6 500 *											
36.0										36.8	62.2	5 400 *											
38.0										24.9	58.7	4 500 *	46.6	63.0	6 700 *								
40.0													37.6	60.7	5 500 *								
42.0													26.0	57.3	4 600 *								
44.0																37.5	58.5	5 000					
46.0																25.8	55.1	4 400					

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



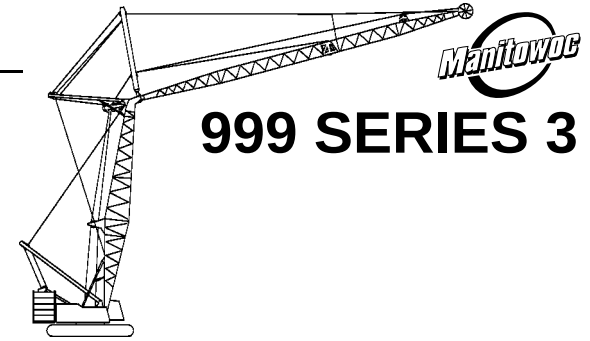
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.1	72.6	6 800 *																		10.7	
12.0	67.9	72.1	6 800 *																		12.0	
14.0	61.3	71.1	6 800 *																		14.0	
16.0	54.2	69.8	6 800 *																		16.0	
18.0	46.5	68.0	6 800 *	63.0	71.0	6 800 *															18.0	
20.0	37.4	65.7	5 700 *	56.1	69.7	6 800 *	65.2	70.9	6 800 *												20.0	
22.0	25.8	62.3	4 800 *	48.5	68.1	6 800 *	58.5	69.7	6 800 *												22.0	
24.0				39.9	66.0	6 100 *	51.2	68.3	6 800 *												24.0	
26.0				29.1	62.9	5 100 *	43.0	66.3	6 600 *	59.9	69.0	6 800 *									26.0	
28.0							33.1	63.7	5 500 *	52.7	67.6	6 800 *									28.0	
30.0							19.1	59.3	4 600 *	44.7	65.7	6 700 *									30.0	
32.0										35.3	63.2	5 700 *	53.8	66.4	6 800 *						32.0	
34.0										22.6	59.4	4 800 *	45.9	64.6	6 700 *						34.0	
36.0													36.8	62.2	6 000 *						36.0	
38.0													24.9	58.7	5 000 *	46.6	63.0	6 800 *			38.0	
40.0																37.6	60.7	6 100 *			40.0	
42.0																26.0	57.3	5 100 *			42.0	
44.0																			37.5	58.5	4 600	
46.0																			25.8	55.1	3 900	

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

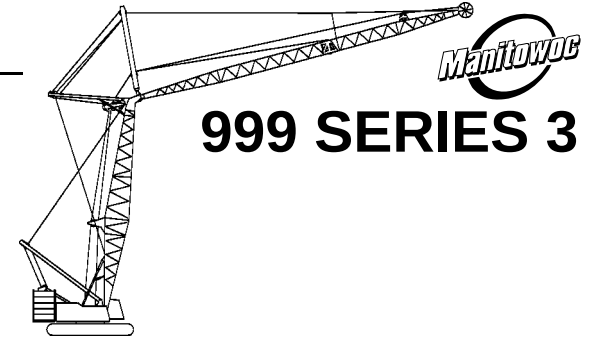
51.8m (170 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.1	72.6	6 800 *																		10.7	
12.0	67.9	72.1	6 800 *																		12.0	
14.0	61.3	71.1	6 800 *																		14.0	
16.0	54.2	69.8	6 800 *																		16.0	
18.0	46.5	68.0	6 600 *	63.0	71.0	6 800 *															18.0	
20.0	37.4	65.7	5 600 *	56.1	69.7	6 800 *	65.2	70.9	6 800 *												20.0	
22.0	25.8	62.3	4 700 *	48.5	68.1	6 700 *	58.5	69.7	6 800 *												22.0	
24.0				39.9	66.0	6 100 *	51.2	68.3	6 800 *												24.0	
26.0				29.1	62.9	5 000 *	43.0	66.3	6 400 *	59.9	69.0	6 800 *									26.0	
28.0							33.1	63.7	5 300 *	52.7	67.6	6 800 *									28.0	
30.0							19.1	59.3	4 500 *	44.7	65.7	6 500 *									30.0	
32.0										35.3	63.2	5 600 *	53.8	66.4	6 800 *						32.0	
34.0										22.6	59.4	4 700 *	45.9	64.6	6 600 *						34.0	
36.0													36.8	62.2	5 900 *						36.0	
38.0													24.9	58.7	4 800 *	46.6	63.0	6 800 *			38.0	
40.0																37.6	60.7	5 900 *			40.0	
42.0																26.0	57.3	5 000 *			42.0	
44.0																			37.5	58.5	4 100	
46.0																			25.8	55.1	3 500	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



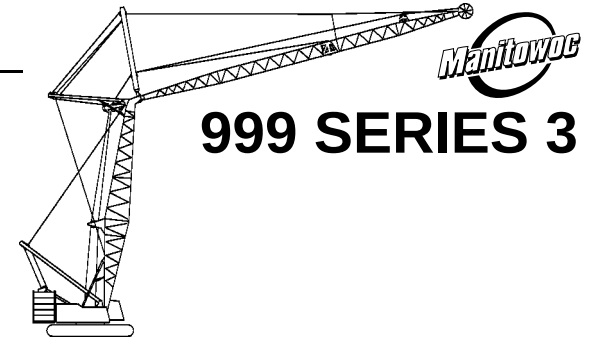
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms		
10.7	72.1	72.6	6 800 *	63.0	71.0	6 800 *																				
12.0	67.9	72.1	6 800 *																							
14.0	61.3	71.1	6 800 *																							
16.0	54.2	69.8	6 800 *																							
18.0	46.5	68.0	6 000 *																							
20.0	37.4	65.7	4 900 *	56.1	69.7	6 800 *	65.2	70.9	6 800 *																	
22.0	25.8	62.3	4 100 *	48.5	68.1	6 400 *	58.5	69.7	6 800 *																	
24.0				39.9	66.0	5 300 *	51.2	68.3	6 800 *																	
26.0				29.1	62.9	4 400 *	43.0	66.3	5 700 *													59.9	69.0	6 800 *		
28.0							33.1	63.7	4 700 *													52.7	67.6	6 700 *		
30.0							19.1	59.3	3 900 *	44.7	65.7	6 100 *	53.8	66.4	6 800 *											
32.0												35.3										63.2	4 900 *			
34.0												22.6										59.4	4 100 *			
36.0																								36.8	62.2	5 100 *
38.0																								24.9	58.7	4 200 *
40.0																										
42.0																						37.6	60.7	5 200 *		
44.0																						26.0	57.3	4 300 *		
46.0																										

Liftcrane Luffing Jib Intermediate Fall Capacities

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



999 SERIES 3

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

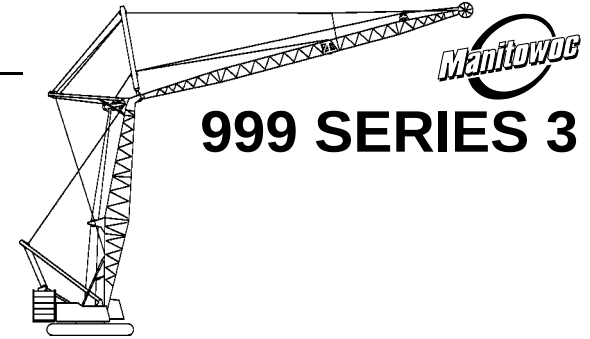
51.8m (170 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.1	72.6	6 800 *																		10.7	
12.0	67.9	72.1	6 800 *																		12.0	
14.0	61.3	71.1	6 800 *																		14.0	
16.0	54.2	69.8	6 700 *																		16.0	
18.0	46.5	68.0	5 800 *	63.0	71.0	6 800 *															18.0	
20.0	37.4	65.7	4 700 *	56.1	69.7	6 700 *	65.2	70.9	6 800 *												20.0	
22.0	25.8	62.3	3 900 *	48.5	68.1	6 300 *	58.5	69.7	6 800 *												22.0	
24.0				39.9	66.0	5 000 *	51.2	68.3	6 500 *												24.0	
26.0				29.1	62.9	4 100 *	43.0	66.3	5 400 *	59.9	69.0	6 800 *									26.0	
28.0							33.1	63.7	4 400 *	52.7	67.6	6 600 *									28.0	
30.0							19.1	59.3	3 800 *	44.7	65.7	5 800 *									30.0	
32.0										35.3	63.2	4 700 *	53.8	66.4	6 800 *						32.0	
34.0										22.6	59.4	3 900 *	45.9	64.6	6 000 *						34.0	
36.0													36.8	62.2	4 800 *						36.0	
38.0													24.9	58.7	4 000 *	46.6	63.0	6 100 *			38.0	
40.0																37.6	60.7	4 900 *			40.0	
42.0																26.0	57.3	4 100 *			42.0	
44.0																			37.5	58.5	3 300	
46.0																			25.8	55.1	2 600	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



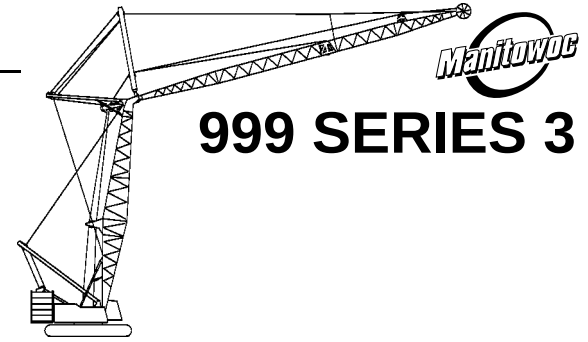
51.8m (170 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.1	72.6	6 800 *															10.7	
12.0	67.9	72.1	6 800 *															12.0	
14.0	61.3	71.1	6 800 *															14.0	
16.0	54.2	69.8	6 600 *															16.0	
18.0	46.5	68.0	5 600 *	63.0	71.0	6 800 *												18.0	
20.0	37.4	65.7	4 600 *	56.1	69.7	6 700 *	65.2	70.9	6 800 *									20.0	
22.0	25.8	62.3	3 800 *	48.5	68.1	6 100 *	58.5	69.7	6 800 *									22.0	
24.0				39.9	66.0	4 800 *	51.2	68.3	6 300 *									24.0	
26.0				29.1	62.9	4 000 *	43.0	66.3	5 300 *	59.9	69.0	6 800 *						26.0	
28.0							33.1	63.7	4 300 *	52.7	67.6	6 600 *						28.0	
30.0							19.1	59.3	3 700 *	44.7	65.7	5 600 *						30.0	
32.0										35.3	63.2	4 500 *	53.8	66.4	6 800 *			32.0	
34.0										22.6	59.4	3 800 *	45.9	64.6	5 800 *			34.0	
36.0													36.8	62.2	4 700 *			36.0	
38.0													24.9	58.7	3 900 *	46.6	63.0	5 900 *	38.0
40.0																37.6	60.7	4 800 *	40.0
42.0																26.0	57.3	4 000 *	42.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



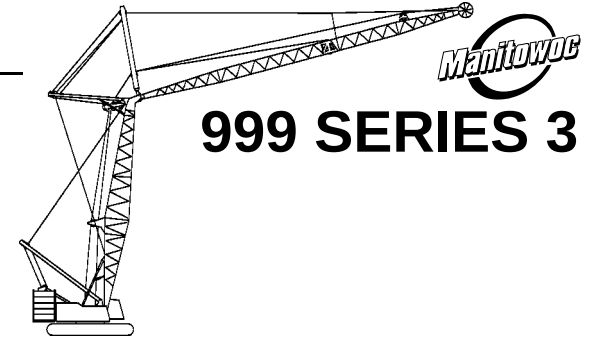
51.8m (170 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.1	72.6	6 800 *															10.7	
12.0	67.9	72.1	6 800 *															12.0	
14.0	61.3	71.1	6 800 *															14.0	
16.0	54.2	69.8	6 600 *															16.0	
18.0	46.5	68.0	5 600 *	63.0	71.0	6 800 *												18.0	
20.0	37.4	65.7	4 600 *	56.1	69.7	6 700 *	65.2	70.9	6 800 *									20.0	
22.0	25.8	62.3	3 900 *	48.5	68.1	6 000 *	58.5	69.7	6 800 *									22.0	
24.0				39.9	66.0	4 900 *	51.2	68.3	6 300 *									24.0	
26.0				29.1	62.9	4 100 *	43.0	66.3	5 200 *	59.9	69.0	6 800 *						26.0	
28.0							33.1	63.7	4 400 *	52.7	67.6	6 500 *						28.0	
30.0							19.1	59.3	3 700 *	44.7	65.7	5 600 *						30.0	
32.0										35.3	63.2	4 500 *	53.8	66.4	6 800 *			32.0	
34.0										22.6	59.4	3 800 *	45.9	64.6	5 800 *			34.0	
36.0													36.8	62.2	4 700 *			36.0	
38.0													24.9	58.7	4 000 *	46.6	63.0	5 600	
40.0																37.6	60.7	4 600	
42.0																26.0	57.3	3 600	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



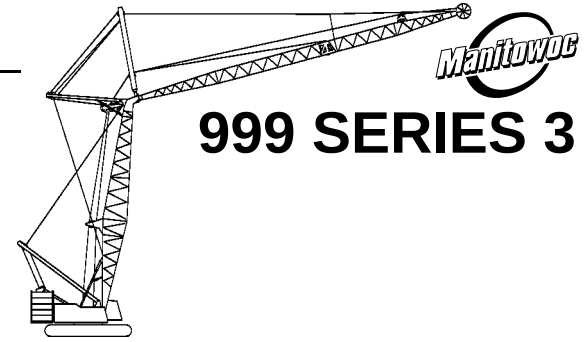
999 SERIES 3

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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m
12.2	67.6	75.1	6 800 *	64.2	74.2	6 800 *	67.0	74.1	6 800 *														
14.0	61.7	74.2	6 800 *																				
16.0	54.6	72.9	6 800 *																				
18.0	46.9	71.2	6 300 *																				
20.0	38.0	68.9	5 300 *																				
22.0	26.5	65.6	4 500 *	50.0	71.5	6 600 *	60.3	73.1	6 800 *														
24.0				41.6	69.4	5 900 *	53.2	71.7	6 800 *														
26.0				31.4	66.6	4 800 *	45.2	69.9	6 400 *												62.5	72.4	6 800 *
28.0							36.0	67.5	5 200 *												55.6	71.1	6 800 *
30.0							23.6	63.8	4 400 *												48.0	69.4	6 600 *
32.0										39.2	67.3	5 600 *	57.5	70.0	6 800 *								
34.0										28.3	64.1	4 700 *	50.1	68.4	6 700 *								
36.0													41.8	66.4	6 100 *								
38.0													31.6	63.6	5 000 *								
40.0																					43.5	65.0	6 500 *
42.0																							
44.0																					33.9	62.4	5 200 *
46.0																					20.3	58.3	4 400 *
48.0																							

Liftcrane Luffing Jib Intermediate Fall Capacities

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



Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

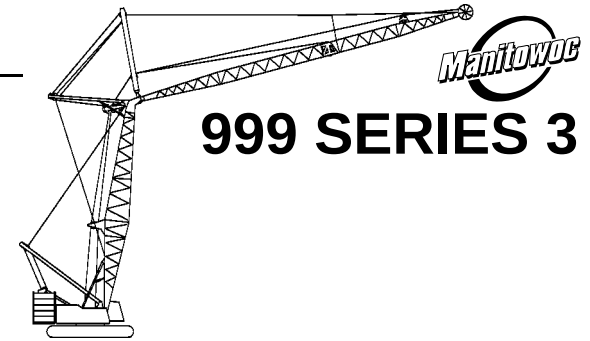
54.9m (180 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.4	75.7	6 800 *																		10.7	
12.0	68.2	75.2	6 800 *																		12.0	
14.0	61.7	74.2	6 800 *																		14.0	
16.0	54.6	72.9	6 800 *																		16.0	
18.0	46.9	71.2	6 800 *	64.2	74.2	6 800 *															18.0	
20.0	38.0	68.9	5 800 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *												20.0	
22.0	26.5	65.6	4 900 *	50.0	71.5	6 800 *	60.3	73.1	6 800 *												22.0	
24.0				41.6	69.4	6 300 *	53.2	71.7	6 800 *												24.0	
26.0				31.4	66.6	5 300 *	45.2	69.9	6 700 *	62.5	72.4	6 800 *									26.0	
28.0							36.0	67.5	5 800 *	55.6	71.1	6 800 *									28.0	
30.0							23.6	63.8	4 900 *	48.0	69.4	6 800 *									30.0	
32.0										39.2	67.3	6 200 *	57.5	70.0	6 800 *						32.0	
34.0										28.3	64.1	5 200 *	50.1	68.4	6 800 *						34.0	
36.0													41.8	66.4	6 500 *						36.0	
38.0													31.6	63.6	5 500 *						38.0	
40.0																43.5	65.0	6 600			40.0	
42.0																33.9	62.4	5 700			42.0	
44.0																20.3	58.3	4 800 *			44.0	
46.0																			35.0	60.5	3 500	46.0
48.0																			22.2	56.6	3 000	48.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

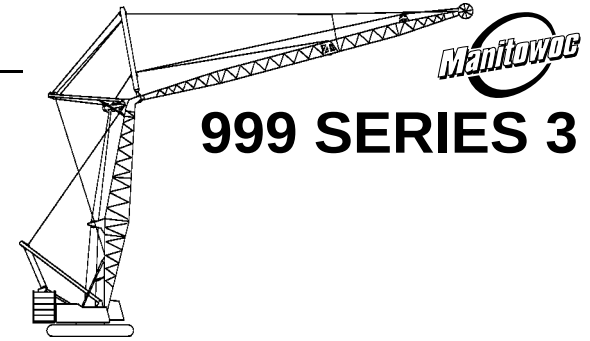
54.9m (180 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.4	75.7	6 800 *																		10.7	
12.0	68.2	75.2	6 800 *																		12.0	
14.0	61.7	74.2	6 800 *																		14.0	
16.0	54.6	72.9	6 800 *																		16.0	
18.0	46.9	71.2	6 700 *	64.2	74.2	6 800 *															18.0	
20.0	38.0	68.9	5 700 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *												20.0	
22.0	26.5	65.6	4 800 *	50.0	71.5	6 800 *	60.3	73.1	6 800 *												22.0	
24.0				41.6	69.4	6 200 *	53.2	71.7	6 800 *												24.0	
26.0				31.4	66.6	5 200 *	45.2	69.9	6 700 *	62.5	72.4	6 800 *									26.0	
28.0							36.0	67.5	5 600 *	55.6	71.1	6 800 *									28.0	
30.0							23.6	63.8	4 700 *	48.0	69.4	6 800 *									30.0	
32.0										39.2	67.3	6 100 *	57.5	70.0	6 800 *						32.0	
34.0										28.3	64.1	5 100 *	50.1	68.4	6 800 *						34.0	
36.0													41.8	66.4	6 400 *						36.0	
38.0													31.6	63.6	5 400 *						38.0	
40.0																43.5	65.0	6 100			40.0	
42.0																33.9	62.4	5 300			42.0	
44.0																20.3	58.3	4 600			44.0	
46.0																			35.0	60.5	3 100	
48.0																			22.2	56.6	2 500	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



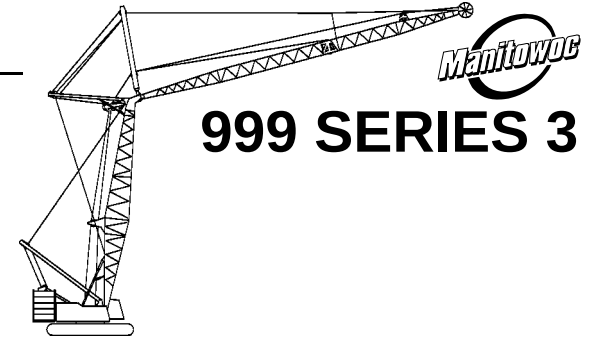
54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.4	75.7	6 800 *															10.7	
12.0	68.2	75.2	6 800 *															12.0	
14.0	61.7	74.2	6 800 *															14.0	
16.0	54.6	72.9	6 800 *															16.0	
18.0	46.9	71.2	6 100 *	64.2	74.2	6 800 *												18.0	
20.0	38.0	68.9	5 000 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *									20.0	
22.0	26.5	65.6	4 200 *	50.0	71.5	6 500 *	60.3	73.1	6 800 *									22.0	
24.0				41.6	69.4	5 600 *	53.2	71.7	6 800 *									24.0	
26.0				31.4	66.6	4 500 *	45.2	69.9	6 100 *	62.5	72.4	6 800 *						26.0	
28.0							36.0	67.5	5 000 *	55.6	71.1	6 800 *						28.0	
30.0							23.6	63.8	4 100 *	48.0	69.4	6 400 *						30.0	
32.0										39.2	67.3	5 400 *	57.5	70.0	6 800 *			32.0	
34.0										28.3	64.1	4 400 *	50.1	68.4	6 600 *			34.0	
36.0													41.8	66.4	5 800 *			36.0	
38.0													31.6	63.6	4 700 *			38.0	
40.0																43.5	65.0	5 600	40.0
42.0																33.9	62.4	4 800	42.0
44.0																20.3	58.3	4 000	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



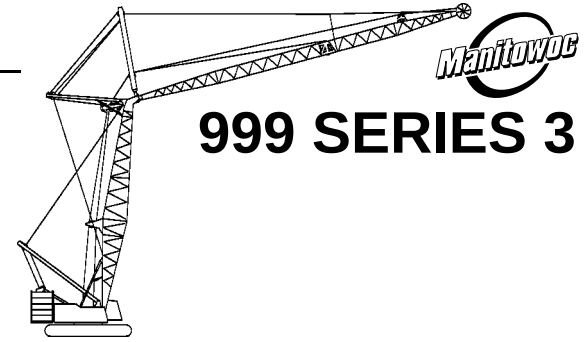
54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.4	75.7	6 800 *															10.7	
12.0	68.2	75.2	6 800 *															12.0	
14.0	61.7	74.2	6 800 *															14.0	
16.0	54.6	72.9	6 700 *															16.0	
18.0	46.9	71.2	5 900 *	64.2	74.2	6 800 *												18.0	
20.0	38.0	68.9	4 800 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *									20.0	
22.0	26.5	65.6	4 000 *	50.0	71.5	6 400 *	60.3	73.1	6 800 *									22.0	
24.0				41.6	69.4	5 200 *	53.2	71.7	6 800 *									24.0	
26.0				31.4	66.6	4 300 *	45.2	69.9	5 700 *	62.5	72.4	6 800 *						26.0	
28.0							36.0	67.5	4 700 *	55.6	71.1	6 800 *						28.0	
30.0							23.6	63.8	3 900 *	48.0	69.4	6 200 *						30.0	
32.0										39.2	67.3	5 100 *	57.5	70.0	6 800 *			32.0	
34.0										28.3	64.1	4 200 *	50.1	68.4	6 500 *			34.0	
36.0													41.8	66.4	5 500 *			36.0	
38.0													31.6	63.6	4 500 *			38.0	
40.0																43.5	65.0	5 300	40.0
42.0																33.9	62.4	4 500	42.0
44.0																20.3	58.3	3 700	44.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



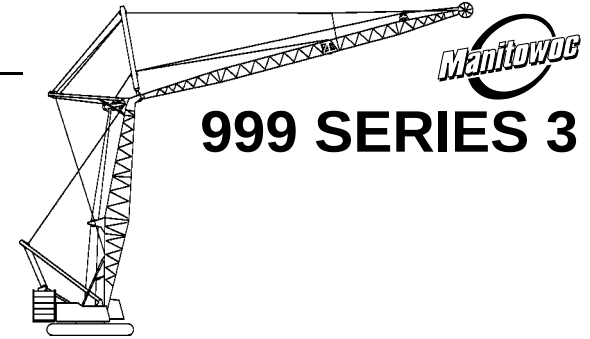
54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.4	75.7	6 800 *															10.7	
12.0	68.2	75.2	6 800 *															12.0	
14.0	61.7	74.2	6 800 *															14.0	
16.0	54.6	72.9	6 600 *															16.0	
18.0	46.9	71.2	5 700 *	64.2	74.2	6 800 *												18.0	
20.0	38.0	68.9	4 600 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *									20.0	
22.0	26.5	65.6	3 900 *	50.0	71.5	6 300 *	60.3	73.1	6 800 *									22.0	
24.0				41.6	69.4	5 100 *	53.2	71.7	6 700 *									24.0	
26.0				31.4	66.6	4 200 *	45.2	69.9	5 600 *	62.5	72.4	6 800 *						26.0	
28.0							36.0	67.5	4 600 *	55.6	71.1	6 800 *						28.0	
30.0							23.6	63.8	3 900 *	48.0	69.4	6 100 *						30.0	
32.0										39.2	67.3	4 900 *	57.5	70.0	6 800 *			32.0	
34.0										28.3	64.1	4 100 *	50.1	68.4	6 500 *			34.0	
36.0													41.8	66.4	5 300 *			36.0	
38.0													31.6	63.6	4 400 *			38.0	
40.0																43.5	65.0	4 700	
42.0																33.9	62.4	3 900	
44.0																20.3	58.3	3 100	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



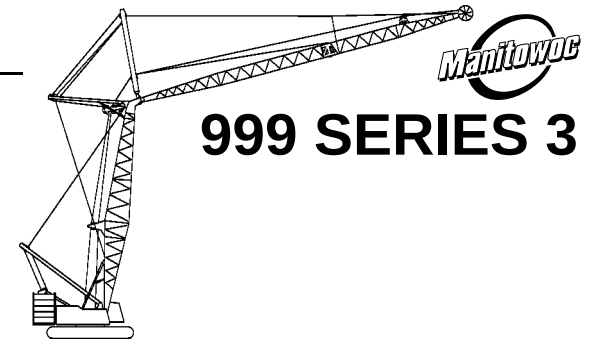
54.9m (180 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.4	75.7	6 800 *															10.7	
12.0	68.2	75.2	6 800 *															12.0	
14.0	61.7	74.2	6 800 *															14.0	
16.0	54.6	72.9	6 600 *															16.0	
18.0	46.9	71.2	5 700 *	64.2	74.2	6 800 *												18.0	
20.0	38.0	68.9	4 700 *	57.4	73.0	6 800 *	67.0	74.1	6 800 *									20.0	
22.0	26.5	65.6	4 000 *	50.0	71.5	6 300 *	60.3	73.1	6 800 *									22.0	
24.0				41.6	69.4	5 100 *	53.2	71.7	6 700 *									24.0	
26.0				31.4	66.6	4 200 *	45.2	69.9	5 600 *	62.5	72.4	6 800 *						26.0	
28.0							36.0	67.5	4 600 *	55.6	71.1	6 800 *						28.0	
30.0							23.6	63.8	3 900 *	48.0	69.4	6 100 *						30.0	
32.0										39.2	67.3	4 900 *	57.5	70.0	6 800 *			32.0	
34.0										28.3	64.1	4 100 *	50.1	68.4	6 500 *			34.0	
36.0													41.8	66.4	5 300 *			36.0	
38.0													31.6	63.6	4 400 *			38.0	
40.0																43.5	65.0	4 300	
42.0																33.9	62.4	3 400	
44.0																20.3	58.3	2 600	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



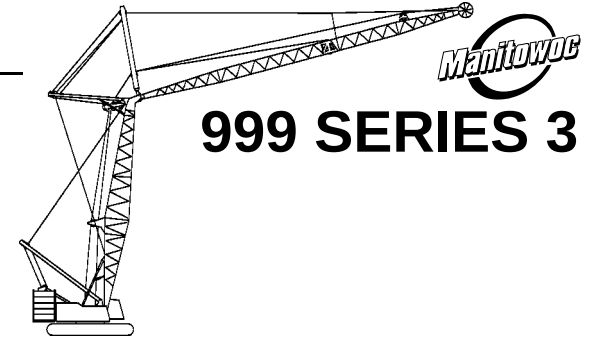
57.9m (190 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms
12.2	68.0	78.2	6 800 *	65.4	77.4	6 800 *																		
14.0	62.0	77.3	6 800 *																					
16.0	55.0	76.0	6 800 *																					
18.0	47.3	74.3	6 400 *																					
20.0	38.5	72.1	5 400 *																					
22.0	27.2	68.8	4 500 *	51.4	74.8	6 800 *	62.1	76.4	6 800 *															
24.0				43.2	72.9	6 100 *	55.1	75.1	6 800 *															
26.0				33.5	70.2	5 000 *	47.4	73.4	6 700 *															
28.0				19.7	66.0	4 200 *	38.6	71.2	5 500 *													58.4	74.6	6 800 *
30.0							27.4	68.0	4 600 *													51.1	73.1	6 800 *
32.0									42.9	71.2	6 200 *	54.1	72.2	6 800 *										
34.0									33.0	68.5	5 100 *													
36.0									18.9	64.1	4 300 *													
38.0																					46.3	70.4	6 600 *	
40.0																					37.2	68.1	5 600 *	
												25.5	64.6	4 600 *	48.9	69.1	6 600							
42.0															40.3	66.9	5 900				42.0			
44.0															29.7	63.9	5 000 *				44.0			
46.0																		42.4	65.1	3 700	46.0			
48.0																		32.4	62.3	3 200	48.0			
50.0																		17.9	57.8	2 700	50.0			

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



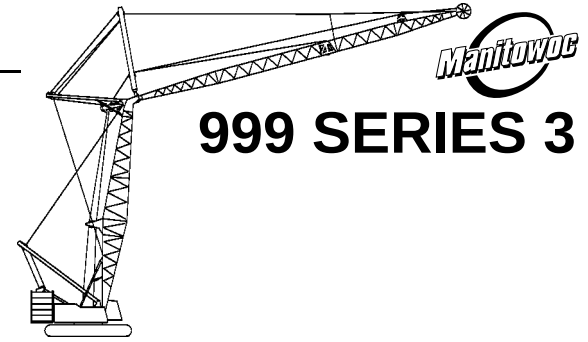
57.9m (190 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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	72.8	78.8	6 800 *b																		10.7	
12.0	68.6	78.3	6 800 *																		12.0	
14.0	62.0	77.3	6 800 *																		14.0	
16.0	55.0	76.0	6 800 *																		16.0	
18.0	47.3	74.3	6 800 *	65.4	77.4	6 800 *															18.0	
20.0	38.5	72.1	5 900 *	58.7	76.3	6 800 *															20.0	
22.0	27.2	68.8	5 000 *	51.4	74.8	6 800 *	62.1	76.4	6 800 *												22.0	
24.0				43.2	72.9	6 500 *	55.1	75.1	6 800 *												24.0	
26.0				33.5	70.2	5 500 *	47.4	73.4	6 700 *												26.0	
28.0				19.7	66.0	4 700 *	38.6	71.2	6 200 *	58.4	74.6	6 800 *									28.0	
30.0							27.4	68.0	5 100 *	51.1	73.1	6 800 *									30.0	
32.0										42.9	71.2	6 800 *									32.0	
34.0										33.0	68.5	5 600 *	54.1	72.2	6 800 *						34.0	
36.0										18.9	64.1	4 700 *	46.3	70.4	6 800 *						36.0	
38.0													37.2	68.1	6 200 *						38.0	
40.0													25.5	64.6	5 100 *	48.9	69.1	6 200			40.0	
42.0																40.3	66.9	5 500			42.0	
44.0																29.7	63.9	4 800			44.0	
46.0																			42.4	65.1	3 200	46.0
48.0																			32.4	62.3	2 700	48.0
50.0																			17.9	57.8	2 200	50.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



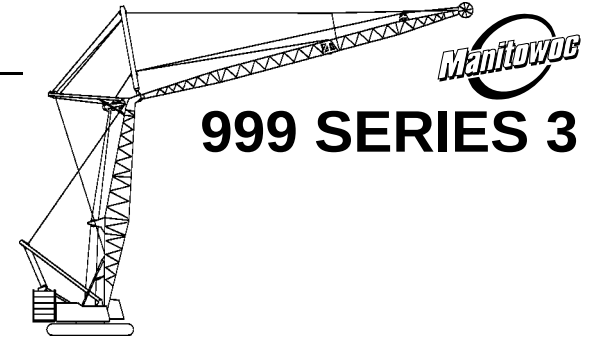
57.9m (190 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.8	78.8	6 800 *															10.7	
12.0	68.6	78.3	6 800 *															12.0	
14.0	62.0	77.3	6 800 *															14.0	
16.0	55.0	76.0	6 800 *															16.0	
18.0	47.3	74.3	6 800 *	65.4	77.4	6 800 *												18.0	
20.0	38.5	72.1	5 800 *	58.7	76.3	6 800 *												20.0	
22.0	27.2	68.8	4 800 *	51.4	74.8	6 800 *	62.1	76.4	6 800 *									22.0	
24.0				43.2	72.9	6 400 *	55.1	75.1	6 800 *									24.0	
26.0				33.5	70.2	5 400 *	47.4	73.4	6 700 *									26.0	
28.0				19.7	66.0	4 600 *	38.6	71.2	6 000 *	58.4	74.6	6 800 *						28.0	
30.0							27.4	68.0	5 000 *	51.1	73.1	6 800 *						30.0	
32.0										42.9	71.2	6 700 *						32.0	
34.0										33.0	68.5	5 500 *	54.1	72.2	6 800 *			34.0	
36.0										18.9	64.1	4 600 *	46.3	70.4	6 800 *			36.0	
38.0													37.2	68.1	6 000 *			38.0	
40.0													25.5	64.6	5 000 *	48.9	69.1	5 800	
42.0																40.3	66.9	5 100	
44.0																29.7	63.9	4 400	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



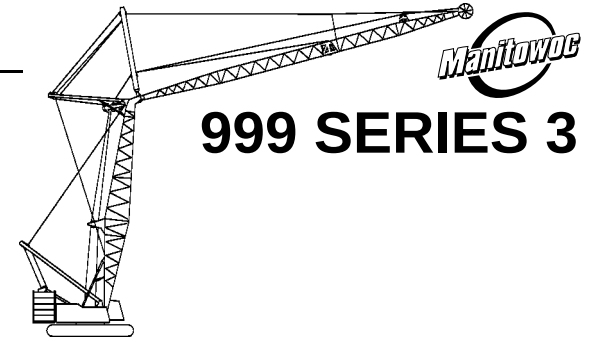
57.9m (190 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.8	78.8	6 800 *															10.7	
12.0	68.6	78.3	6 800 *															12.0	
14.0	62.0	77.3	6 800 *															14.0	
16.0	55.0	76.0	6 800 *															16.0	
18.0	47.3	74.3	6 200 *	65.4	77.4	6 800 *												18.0	
20.0	38.5	72.1	5 100 *	58.7	76.3	6 800 *												20.0	
22.0	27.2	68.8	4 300 *	51.4	74.8	6 700 *	62.1	76.4	6 800 *									22.0	
24.0				43.2	72.9	5 900 *	55.1	75.1	6 800 *									24.0	
26.0				33.5	70.2	4 800 *	47.4	73.4	6 500 *									26.0	
28.0				19.7	66.0	4 000 *	38.6	71.2	5 300 *	58.4	74.6	6 800 *						28.0	
30.0							27.4	68.0	4 400 *	51.1	73.1	6 800 *						30.0	
32.0										42.9	71.2	5 900 *						32.0	
34.0										33.0	68.5	4 900 *	54.1	72.2	6 800 *			34.0	
36.0										18.9	64.1	4 100 *	46.3	70.4	6 400 *			36.0	
38.0													37.2	68.1	5 300 *			38.0	
40.0													25.5	64.6	4 400 *	48.9	69.1	5 300	
42.0																40.3	66.9	4 500	
44.0																29.7	63.9	3 800	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



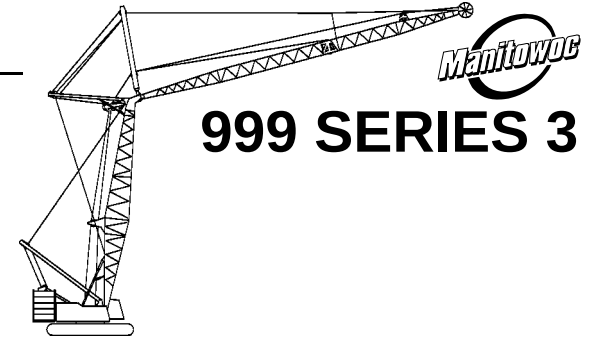
57.9m (190 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.8	78.8	6 800 *															10.7	
12.0	68.6	78.3	6 800 *															12.0	
14.0	62.0	77.3	6 800 *															14.0	
16.0	55.0	76.0	6 800 *															16.0	
18.0	47.3	74.3	5 900 *	65.4	77.4	6 800 *												18.0	
20.0	38.5	72.1	4 900 *	58.7	76.3	6 800 *												20.0	
22.0	27.2	68.8	4 100 *	51.4	74.8	6 500 *	62.1	76.4	6 800 *									22.0	
24.0				43.2	72.9	5 500 *	55.1	75.1	6 800 *									24.0	
26.0				33.5	70.2	4 500 *	47.4	73.4	6 200 *									26.0	
28.0				19.7	66.0	3 800 *	38.6	71.2	5 000 *	58.4	74.6	6 800 *						28.0	
30.0							27.4	68.0	4 200 *	51.1	73.1	6 700 *						30.0	
32.0										42.9	71.2	5 600 *						32.0	
34.0										33.0	68.5	4 600 *	54.1	72.2	6 800 *			34.0	
36.0										18.9	64.1	3 800 *	46.3	70.4	6 200 *			36.0	
38.0													37.2	68.1	5 000 *			38.0	
40.0													25.5	64.6	4 200 *	48.9	69.1	5 100	
42.0																40.3	66.9	4 200	
44.0																29.7	63.9	3 500	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



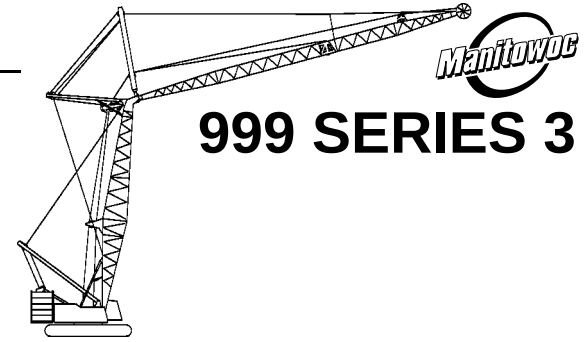
57.9m (190 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.8	78.8	6 800 *															10.7	
12.0	68.6	78.3	6 800 *															12.0	
14.0	62.0	77.3	6 800 *															14.0	
16.0	55.0	76.0	6 700 *															16.0	
18.0	47.3	74.3	5 900 *	65.4	77.4	6 800 *												18.0	
20.0	38.5	72.1	4 700 *	58.7	76.3	6 800 *												20.0	
22.0	27.2	68.8	4 000 *	51.4	74.8	6 400 *	62.1	76.4	6 800 *									22.0	
24.0				43.2	72.9	5 400 *	55.1	75.1	6 800 *									24.0	
26.0				33.5	70.2	4 400 *	47.4	73.4	6 000 *									26.0	
28.0				19.7	66.0	3 700 *	38.6	71.2	4 900 *	58.4	74.6	6 800 *						28.0	
30.0							27.4	68.0	4 100 *	51.1	73.1	6 500 *						30.0	
32.0										42.9	71.2	5 400 *						32.0	
34.0										33.0	68.5	4 500 *	54.1	72.2	6 800 *			34.0	
36.0										18.9	64.1	3 800 *	46.3	70.4	6 100 *			36.0	
38.0													37.2	68.1	4 900 *			38.0	
40.0													25.5	64.6	4 100 *	48.9	69.1	4 500	
42.0																40.3	66.9	3 700	
44.0																29.7	63.9	2 900	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



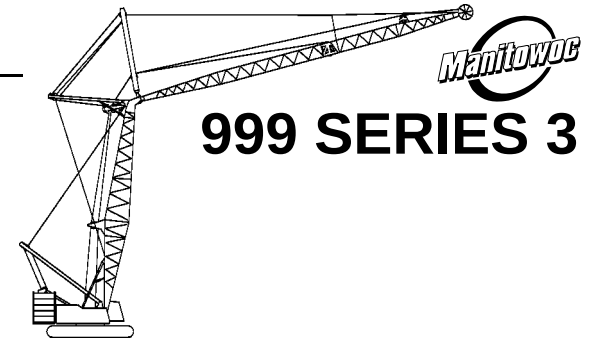
57.9m (190 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	72.8	78.8	6 800 *															10.7	
12.0	68.6	78.3	6 800 *															12.0	
14.0	62.0	77.3	6 800 *															14.0	
16.0	55.0	76.0	6 700 *															16.0	
18.0	47.3	74.3	5 800 *	65.4	77.4	6 800 *												18.0	
20.0	38.5	72.1	4 700 *	58.7	76.3	6 800 *												20.0	
22.0	27.2	68.8	4 000 *	51.4	74.8	6 400 *	62.1	76.4	6 800 *									22.0	
24.0				43.2	72.9	5 300 *	55.1	75.1	6 800 *									24.0	
26.0				33.5	70.2	4 400 *	47.4	73.4	6 000 *									26.0	
28.0				19.7	66.0	3 800 *	38.6	71.2	4 900 *	58.4	74.6	6 800 *						28.0	
30.0							27.4	68.0	4 100 *	51.1	73.1	6 500 *						30.0	
32.0										42.9	71.2	5 400 *						32.0	
34.0										33.0	68.5	4 500 *	54.1	72.2	6 700 *			34.0	
36.0										18.9	64.1	3 800 *	46.3	70.4	6 200 *			36.0	
38.0													37.2	68.1	4 900 *			38.0	
40.0													25.5	64.6	4 100 *	48.9	69.1	4 100	
42.0																40.3	66.9	3 200	
44.0																29.7	63.9	2 400	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

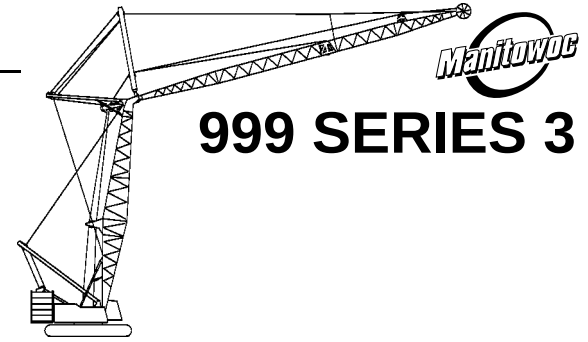
61.0m (200 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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		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		Elev. m	Capacity Kilograms	
12.2	68.3	81.3	6 800 *	66.7	80.6	6 800 *																			
14.0	62.4	80.4	6 800 *																						
16.0	55.4	79.1	6 800 *																						
18.0	47.8	77.5	6 500 *																						
20.0	39.0	75.3	5 500 *																						
22.0	27.9	72.1	4 600 *	52.8	78.1	6 800 *	63.9	79.7	6 800 *																
24.0				44.8	76.3	6 300 *	57.0	78.5	6 800 *																
26.0				35.5	73.8	5 200 *	49.6	76.9	6 700 *																
28.0				22.9	70.1	4 400 *	41.1	74.8	6 000 *													61.1	78.0	6 800 *	
30.0							30.7	72.0	4 900 *													54.1	76.7	6 800 *	
32.0							14.6	66.9	4 200 *	46.2	74.9	6 800 *	50.5	74.2	6 800 *										
34.0										37.2	72.6	5 500 *													
36.0										25.4	69.1	4 600 *													
38.0																						42.2	72.3	6 200 *	
40.0																						32.1	69.5	5 200 *	
42.0													17.3	64.9	4 300 *	46.0	71.1	5 700	40.2	67.2	2 900	42.0			
44.0																36.9	68.8	5 100							
46.0																25.0	65.3	4 500							
48.0																							29.6	64.2	2 500
50.0																									50.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



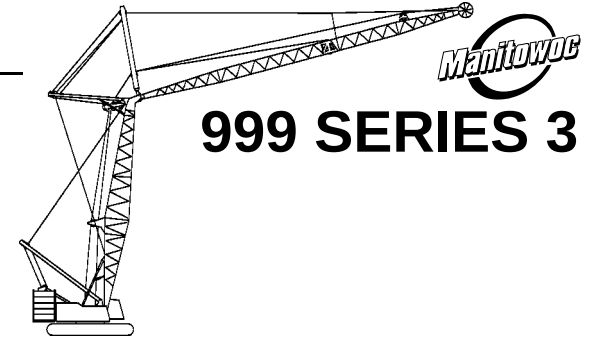
61.0m (200 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	73.1	81.9	6 800 * ^b															10.7	
12.0	68.9	81.4	6 800 *															12.0	
14.0	62.4	80.4	6 800 *															14.0	
16.0	55.4	79.1	6 800 *															16.0	
18.0	47.8	77.5	6 800 *	66.7	80.6	6 800 *												18.0	
20.0	39.0	75.3	6 000 *	60.0	79.5	6 800 *												20.0	
22.0	27.9	72.1	5 000 *	52.8	78.1	6 800 *	63.9	79.7	6 800 *									22.0	
24.0				44.8	76.3	6 800 *	57.0	78.5	6 800 *									24.0	
26.0				35.5	73.8	5 800 *	49.6	76.9	6 800 *									26.0	
28.0				22.9	70.1	4 800 *	41.1	74.8	6 400 *	61.1	78.0	6 800 *						28.0	
30.0							30.7	72.0	5 400 *	54.1	76.7	6 800 *						30.0	
32.0							14.6	66.9	4 600 *	46.2	74.9	6 800 *						32.0	
34.0										37.2	72.6	6 200 *						34.0	
36.0										25.4	69.1	5 100 *	50.5	74.2	6 800 *			36.0	
38.0													42.2	72.3	6 800 *			38.0	
40.0													32.1	69.5	5 700 *			40.0	
42.0													17.3	64.9	4 800 *	46.0	71.1	42.0	
44.0																36.9	68.8	44.0	
46.0																25.0	65.3	46.0	

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



999 SERIES 3

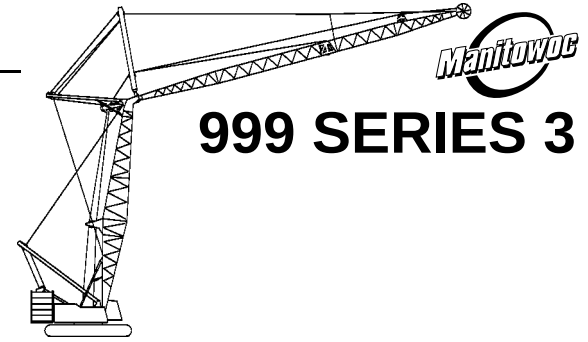
61.0m (200 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	73.1	81.9	6 800 *			66.7	80.6	6 800 *											10.7						
12.0	68.9	81.4	6 800 *																12.0						
14.0	62.4	80.4	6 800 *																14.0						
16.0	55.4	79.1	6 800 *																16.0						
18.0	47.8	77.5	6 800 *																18.0						
20.0	39.0	75.3	5 900 *	60.0	79.5	6 800 *	63.9	79.7	6 800 *										20.0						
22.0	27.9	72.1	4 900 *	52.8	78.1	6 800 *													57.0	78.5	6 800 *	22.0			
24.0				44.8	76.3	6 600 *													49.6	76.9	6 800 *	24.0			
26.0				35.5	73.8	5 600 *													41.1	74.8	6 400 *	26.0			
28.0				22.9	70.1	4 800 *													61.1	78.0	6 800 *	28.0			
30.0							30.7	72.0	5 300 *	54.1	76.7	6 800 *							30.0						
32.0							14.6	66.9	4 500 *	46.2	74.9	6 800 *							32.0						
34.0										37.2	72.6	6 100 *							34.0						
36.0										25.4	69.1	5 000 *							36.0						
38.0																			42.2	72.3	6 800 *	38.0			
40.0																			40.0						
42.0																			32.1	69.5	5 600 *	46.0	71.1	4 900	42.0
44.0																			17.3	64.9	4 700 *	36.9	68.8	4 100	44.0
46.0																						25.0	65.3	3 500	46.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



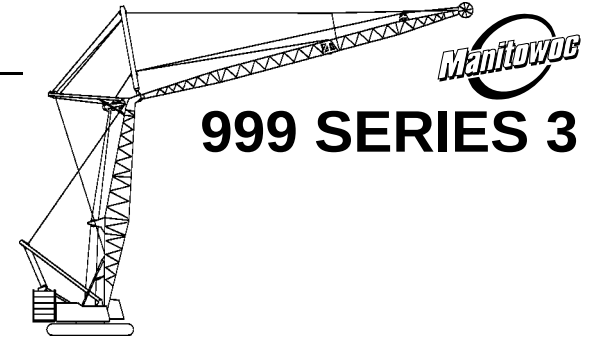
61.0m (200 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	73.1	81.9	6 800 *			66.7	80.6	6 800 *											10.7									
12.0	68.9	81.4	6 800 *																12.0									
14.0	62.4	80.4	6 800 *																14.0									
16.0	55.4	79.1	6 800 *																16.0									
18.0	47.8	77.5	6 300 *																18.0									
20.0	39.0	75.3	5 200 *	60.0	79.5	6 800 *	63.9	79.7	6 800 *										20.0									
22.0	27.9	72.1	4 400 *	52.8	78.1	6 800 *													57.0	78.5	6 800 *	22.0						
24.0				44.8	76.3	6 100 *													49.6	76.9	6 700 *	24.0						
26.0				35.5	73.8	5 000 *													41.1	74.8	5 700 *	26.0						
28.0				22.9	70.1	4 100 *													61.1	78.0	6 800 *	28.0						
30.0							30.7	72.0	4 600 *	54.1	76.7	6 800 *							30.0									
32.0							14.6	66.9	3 900 *	46.2	74.9	6 500 *							32.0									
34.0										37.2	72.6	5 300 *							34.0									
36.0										25.4	69.1	4 400 *							36.0									
38.0																			42.2	72.3	6 000 *	38.0						
40.0																			40.0									
42.0																									32.1	69.5	4 900 *	42.0
44.0																									17.3	64.9	4 100 *	44.0
46.0																												46.0

Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 135 On Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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



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

Int. Fall Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	73.1	81.9	6 800 *			66.7	80.6	6 800 *													
12.0	68.9	81.4	6 800 *																		
14.0	62.4	80.4	6 800 *																		
16.0	55.4	79.1	6 800 *																		
18.0	47.8	77.5	6 000 *																		
20.0	39.0	75.3	4 900 *	60.0	79.5	6 800 *	63.9	79.7	6 800 *												
22.0	27.9	72.1	4 100 *	52.8	78.1	6 700 *															
24.0				44.8	76.3	5 900 *													57.0	78.5	6 800 *
26.0				35.5	73.8	4 700 *													49.6	76.9	6 700 *
28.0				22.9	70.1	3 900 *													41.1	74.8	5 300 *
30.0							30.7	72.0	4 400 *	61.1	78.0	6 800 *									
32.0							14.6	66.9	3 700 *	54.1	76.7	6 800 *									
34.0										46.2	74.9	6 200 *									
36.0										37.2	72.6	5 000 *									
38.0										25.4	69.1	4 200 *									
40.0													50.5	74.2	6 700 *	46.0	71.1	4 100			
42.0													42.2	72.3	5 800 *						
44.0																					
46.0																					
																			36.9	68.8	3 300
																25.0	65.3	2 700			