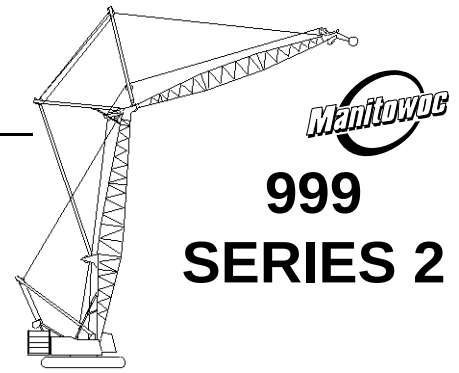




Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

LIFTING CAPACITIES: Lifting capacities for various boom lengths and 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 (*).

Consult Luffing Jib Raising Procedure chart **No. 8422-A** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 1 770 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is 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 in a level position on a firm uniformly supporting surface with gantry up. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8393-A** and Luffing Jib Raising Procedure chart **No. 8422-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

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

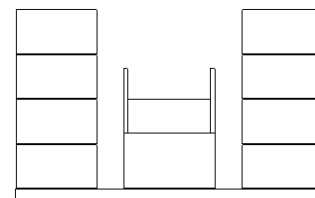
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, luffing jib straps, two 38 mm luffing jib backstay pendants, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Consult chart **No. 8416-AM** for main luffing jib capacities. Consult chart **No. 8345-AM** for intermediate fall capacities.

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

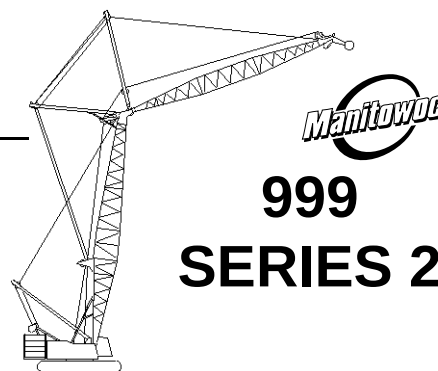
Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
21.3	140 Degrees
24.4 - 27.4	150 Degrees
30.5 - 36.6	160 Degrees
39.6 - 73.2	168 Degrees



83 730 kg Crane Counterweight
8 Side Boxes - 1 Center Box

Boom Catwalks Deduct

Deduct 200 kg from capacities when boom catwalks are attached.



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

Meets
ANSI B30.5
Requirements

21.3m (70 Ft.) Luffing Jib, Attached at 140 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	182 000 *
5.5	82.2	26.6	171 400 *
6.0	81.0	26.5	157 000 *
6.5	79.8	26.4	144 500 *
7.0	78.6	26.3	133 700 *
7.5	77.4	26.1	124 300 *
8.0	76.2	26.0	115 600
8.5	75.0	25.9	104 900
9.0	73.8	25.7	94 600
10.0	71.3	25.4	78 000
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	162 700 *
6.0	82.0	29.6	157 000 *
6.5	81.0	29.5	144 500 *
7.0	79.9	29.4	133 700 *
7.5	78.9	29.3	124 200 *
8.0	77.8	29.2	115 600
8.5	76.7	29.0	105 300
9.0	75.6	28.9	95 100
10.0	73.4	28.6	78 400
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	151 000 *
6.5	81.9	32.6	143 700 *
7.0	80.9	32.5	134 300 *
7.5	80.0	32.4	124 400 *
8.0	79.0	32.3	115 800
8.5	78.1	32.2	105 800
9.0	77.1	32.0	95 600
10.0	75.1	31.8	78 900
11.0	73.2	31.5	66 600
12.0	71.2	31.1	57 000
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	136 900 *
7.0	81.8	35.6	132 400 *
7.5	80.9	35.5	124 500 *
8.0	80.0	35.4	115 700
8.5	79.2	35.3	106 100
9.0	78.3	35.2	96 000
10.0	76.5	34.9	79 100
11.0	74.8	34.7	66 700
12.0	73.0	34.3	57 100
13.0	71.2	34.0	49 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	132 600 *
7.0	82.5	38.7	130 200 *
7.5	81.7	38.6	125 000 *
8.0	80.9	38.5	115 800
8.5	80.1	38.4	106 400
9.0	79.3	38.3	96 300
10.0	77.7	38.1	79 300
11.0	76.1	37.8	67 000
12.0	74.4	37.5	57 300
13.0	72.8	37.2	49 600
14.0	71.1	36.9	43 300
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	120 400 *
7.5	82.3	41.7	119 300 *
8.0	81.6	41.6	116 000
8.5	80.9	41.5	106 800
9.0	80.1	41.4	96 600
10.0	78.6	41.2	79 600
11.0	77.2	41.0	67 100
12.0	75.7	40.7	57 500
13.0	74.2	40.4	49 800
14.0	72.6	40.1	43 400
15.0	71.1	39.8	38 200
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	113 900 *
8.0	82.2	44.7	113 000
8.5	81.5	44.6	106 700
9.0	80.8	44.5	97 100
10.0	79.5	44.3	79 700
11.0	78.1	44.1	67 300
12.0	76.7	43.9	57 600
13.0	75.3	43.6	49 900
14.0	73.9	43.3	43 600
15.0	72.5	43.0	38 300
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	101 900 *
8.0	82.7	47.7	101 500 *
8.5	82.1	47.7	99 400 *
9.0	81.4	47.6	95 300
10.0	80.2	47.4	79 800
11.0	78.9	47.2	67 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
45.7m (150 Ft.) BOOM			
12.0	77.6	47.0	57 600
13.0	76.3	46.7	49 900
14.0	75.0	46.5	43 500
15.0	73.7	46.2	38 200
16.0	72.4	45.9	33 800
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	95 900 *
9.0	82.0	50.7	94 000 *
10.0	80.8	50.5	80 000
11.0	79.6	50.3	67 400
12.0	78.4	50.1	57 700
13.0	77.2	49.9	49 900
14.0	76.0	49.6	43 600
15.0	74.8	49.4	38 300
16.0	73.5	49.1	33 800
18.0	71.1	48.4	26 600
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	88 100 *
9.0	82.5	53.8	86 600 *
10.0	81.3	53.6	80 900
11.0	80.2	53.4	67 500
12.0	79.1	53.2	57 700
13.0	78.0	53.0	49 900
14.0	76.8	52.8	43 600
15.0	75.7	52.5	38 300
16.0	74.5	52.2	33 800
18.0	72.2	51.6	26 600
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	82 600 *
10.0	81.8	56.7	78 900
11.0	80.8	56.5	67 500
12.0	79.7	56.3	57 700
13.0	78.6	56.1	49 900
14.0	77.6	55.9	43 600
15.0	76.5	55.7	38 200
16.0	75.4	55.4	33 700
18.0	73.2	54.8	26 600



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

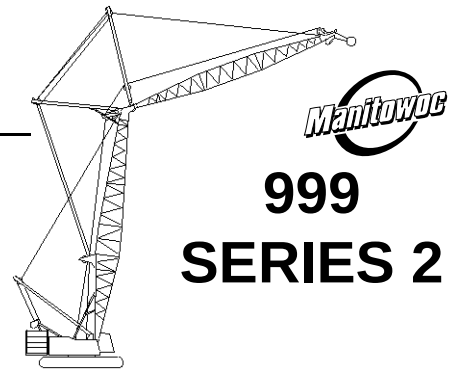
Meets
ANSI B30.5
Requirements

24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	182 100 *
5.5	82.2	26.6	171 500 *
6.0	81.0	26.5	156 900 *
6.5	79.8	26.4	144 300 *
7.0	78.6	26.3	133 500 *
7.5	77.4	26.1	124 000 *
8.0	76.2	26.0	115 300
8.5	75.0	25.9	104 400
9.0	73.8	25.7	94 000
10.0	71.3	25.4	77 300
11.0	68.8	25.0	65 000
12.0	66.2	24.5	55 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	162 700 *
6.0	82.0	29.6	157 000 *
6.5	81.0	29.5	144 400 *
7.0	79.9	29.4	133 500 *
7.5	78.9	29.3	124 000 *
8.0	77.8	29.2	115 400
8.5	76.7	29.0	105 000
9.0	75.6	28.9	94 700
10.0	73.4	28.6	77 900
11.0	71.2	28.2	65 500
12.0	69.0	27.8	55 800
13.0	66.7	27.4	48 100
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	149 500 *
6.5	81.9	32.6	143 200 *
7.0	80.9	32.5	134 400 *
7.5	80.0	32.4	124 200 *
8.0	79.0	32.3	115 600
8.5	78.1	32.2	105 600
9.0	77.1	32.0	95 400
10.0	75.1	31.8	78 400
11.0	73.2	31.5	66 000
12.0	71.2	31.1	56 300
13.0	69.2	30.7	48 600
14.0	67.1	30.3	42 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	135 500 *
7.0	81.8	35.6	131 600 *
7.5	80.9	35.5	124 600 *
8.0	80.0	35.4	115 500
8.5	79.2	35.3	106 000
9.0	78.3	35.2	95 800
10.0	76.5	34.9	78 700
11.0	74.8	34.7	66 200
12.0	73.0	34.3	56 500
13.0	71.2	34.0	48 800
14.0	69.3	33.6	42 500
15.0	67.5	33.2	37 200
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	131 300 *
7.0	82.5	38.7	129 500 *
7.5	81.7	38.6	125 100 *
8.0	80.9	38.5	115 600
8.5	80.1	38.4	106 300
9.0	79.3	38.3	96 200
10.0	77.7	38.1	79 100
11.0	76.1	37.8	66 600
12.0	74.4	37.5	56 900
13.0	72.8	37.2	49 100
14.0	71.1	36.9	42 700
15.0	69.5	36.5	37 400
16.0	67.8	36.1	32 900
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	119 600 *
7.5	82.3	41.7	118 500 *
8.0	81.6	41.6	115 200
8.5	80.9	41.5	106 700
9.0	80.1	41.4	96 600
10.0	78.6	41.2	79 300
11.0	77.2	41.0	66 800
12.0	75.7	40.7	57 100
13.0	74.2	40.4	49 300
14.0	72.6	40.1	42 900
15.0	71.1	39.8	37 600
16.0	69.6	39.4	33 100
18.0	66.4	38.5	25 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	113 000 *
8.0	82.2	44.7	112 200
8.5	81.5	44.6	106 700
9.0	80.8	44.5	97 200
10.0	79.5	44.3	79 600
11.0	78.1	44.1	67 000
12.0	76.7	43.9	57 200
13.0	75.3	43.6	49 500
14.0	73.9	43.3	43 100
15.0	72.5	43.0	37 800
16.0	71.1	42.6	33 200
18.0	68.2	41.9	26 100
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	101 000 *
8.0	82.7	47.7	100 700 *
8.5	82.1	47.7	98 500 *
9.0	81.4	47.6	95 000
10.0	80.2	47.4	79 700
11.0	78.9	47.2	67 100
12.0	77.6	47.0	57 300
13.0	76.3	46.7	49 500
14.0	75.0	46.5	43 100
15.0	73.7	46.2	37 800
16.0	72.4	45.9	33 200
18.0	69.7	45.1	26 000
20.0	67.0	44.3	20 500
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	95 100 *
9.0	82.0	50.7	93 100 *
10.0	80.8	50.5	80 000
11.0	79.6	50.3	67 200
12.0	78.4	50.1	57 400
13.0	77.2	49.9	49 500
14.0	76.0	49.6	43 200
15.0	74.8	49.4	37 800
16.0	73.5	49.1	33 300
18.0	71.1	48.4	26 100
20.0	68.5	47.6	20 600



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	87 300 *
9.0	82.5	53.8	85 700 *
10.0	81.3	53.6	80 600
11.0	80.2	53.4	67 300
12.0	79.1	53.2	57 400
13.0	78.0	53.0	49 600
14.0	76.8	52.8	43 200
15.0	75.7	52.5	37 800
16.0	74.5	52.2	33 300
18.0	72.2	51.6	26 100
20.0	69.9	50.9	20 600
22.0	67.5	50.1	16 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	81 700 *
10.0	81.8	56.7	78 200
11.0	80.8	56.5	67 400
12.0	79.7	56.3	57 500
13.0	78.6	56.1	49 600
14.0	77.6	55.9	43 200
15.0	76.5	55.7	37 800
16.0	75.4	55.4	33 300
18.0	73.2	54.8	26 100
20.0	71.0	54.1	20 500
22.0	68.8	53.4	16 200
24.0	66.5	52.5	12 700



Liftcrane Boom Capacities With Luffing Jib Attached

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

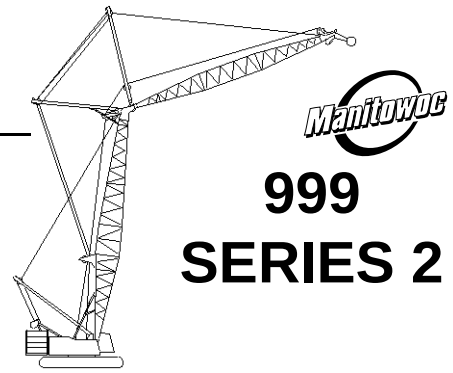
Meets
ANSI B30.5
Requirements

27.4m (90 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	180 100 *
5.5	82.2	26.6	169 500 *
6.0	81.0	26.5	155 000 *
6.5	79.8	26.4	142 500 *
7.0	78.6	26.3	131 700 *
7.5	77.4	26.1	122 300 *
8.0	76.2	26.0	113 600
8.5	75.0	25.9	102 000
9.0	73.8	25.7	91 600
10.0	71.3	25.4	75 200
11.0	68.8	25.0	63 000
12.0	66.2	24.5	53 500
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	160 800 *
6.0	82.0	29.6	155 200 *
6.5	81.0	29.5	142 600 *
7.0	79.9	29.4	131 800 *
7.5	78.9	29.3	122 400 *
8.0	77.8	29.2	113 700
8.5	76.7	29.0	102 700
9.0	75.6	28.9	92 400
10.0	73.4	28.6	75 800
11.0	71.2	28.2	63 600
12.0	69.0	27.8	54 100
13.0	66.7	27.4	46 500
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	148 400 *
6.5	81.9	32.6	141 700 *
7.0	80.9	32.5	132 600 *
7.5	80.0	32.4	122 600 *
8.0	79.0	32.3	114 000
8.5	78.1	32.2	103 300
9.0	77.1	32.0	93 000
10.0	75.1	31.8	76 400
11.0	73.2	31.5	64 200
12.0	71.2	31.1	54 600
13.0	69.2	30.7	47 000
14.0	67.1	30.3	40 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	134 400 *
7.0	81.8	35.6	130 300 *
7.5	80.9	35.5	122 900 *
8.0	80.0	35.4	113 900
8.5	79.2	35.3	103 800
9.0	78.3	35.2	93 500
10.0	76.5	34.9	76 800
11.0	74.8	34.7	64 500
12.0	73.0	34.3	54 900
13.0	71.2	34.0	47 200
14.0	69.3	33.6	41 000
15.0	67.5	33.2	35 800
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	130 400 *
7.0	82.5	38.7	128 200 *
7.5	81.7	38.6	123 400 *
8.0	80.9	38.5	114 100
8.5	80.1	38.4	104 200
9.0	79.3	38.3	94 000
10.0	77.7	38.1	77 100
11.0	76.1	37.8	64 800
12.0	74.4	37.5	55 200
13.0	72.8	37.2	47 500
14.0	71.1	36.9	41 300
15.0	69.5	36.5	36 000
16.0	67.8	36.1	31 600
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	119 000 *
7.5	82.3	41.7	117 900 *
8.0	81.6	41.6	114 400
8.5	80.9	41.5	104 700
9.0	80.1	41.4	94 300
10.0	78.6	41.2	77 400
11.0	77.2	41.0	65 100
12.0	75.7	40.7	55 400
13.0	74.2	40.4	47 800
14.0	72.6	40.1	41 500
15.0	71.1	39.8	36 300
16.0	69.6	39.4	31 800
18.0	66.4	38.5	24 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	112 400 *
8.0	82.2	44.7	111 400
8.5	81.5	44.6	104 600
9.0	80.8	44.5	95 000
10.0	79.5	44.3	77 700
11.0	78.1	44.1	65 300
12.0	76.7	43.9	55 700
13.0	75.3	43.6	48 000
14.0	73.9	43.3	41 700
15.0	72.5	43.0	36 500
16.0	71.1	42.6	32 000
18.0	68.2	41.9	24 900
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	100 400 *
8.0	82.7	47.7	100 100 *
8.5	82.1	47.7	97 900 *
9.0	81.4	47.6	93 500
10.0	80.2	47.4	77 900
11.0	78.9	47.2	65 400
12.0	77.6	47.0	55 700
13.0	76.3	46.7	48 000
14.0	75.0	46.5	41 700
15.0	73.7	46.2	36 400
16.0	72.4	45.9	32 000
18.0	69.7	45.1	24 900
20.0	67.0	44.3	19 400
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	94 500 *
9.0	82.0	50.7	92 500 *
10.0	80.8	50.5	78 000
11.0	79.6	50.3	65 600
12.0	78.4	50.1	55 900
13.0	77.2	49.9	48 100
14.0	76.0	49.6	41 800
15.0	74.8	49.4	36 500
16.0	73.5	49.1	32 000
18.0	71.1	48.4	24 900
20.0	68.5	47.6	19 500



999 SERIES 2

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

Meets
ANSI B30.5
Requirements

27.4m (90 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	86 700 *
9.0	82.5	53.8	85 200 *
10.0	81.3	53.6	79 000
11.0	80.2	53.4	65 600
12.0	79.1	53.2	55 900
13.0	78.0	53.0	48 200
14.0	76.8	52.8	41 800
15.0	75.7	52.5	36 600
16.0	74.5	52.2	32 100
18.0	72.2	51.6	24 900
20.0	69.9	50.9	19 500
22.0	67.5	50.1	15 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	81 200 *
10.0	81.8	56.7	77 300
11.0	80.8	56.5	65 700
12.0	79.7	56.3	56 000
13.0	78.6	56.1	48 200
14.0	77.6	55.9	41 900
15.0	76.5	55.7	36 600
16.0	75.4	55.4	32 100
18.0	73.2	54.8	24 900
20.0	71.0	54.1	19 500
22.0	68.8	53.4	15 200
24.0	66.5	52.5	11 700



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

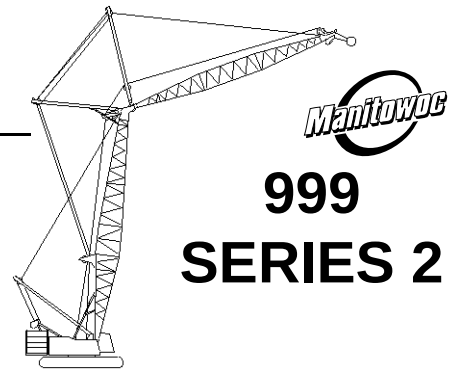
999
SERIES 2

30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	180 300 *
5.5	82.2	26.6	170 900 *
6.0	81.0	26.5	156 100 *
6.5	79.8	26.4	143 500 *
7.0	78.6	26.3	132 500 *
7.5	77.4	26.1	122 800 *
8.0	76.2	26.0	114 000
8.5	75.0	25.9	102 800
9.0	73.8	25.7	92 300
10.0	71.3	25.4	75 400
11.0	68.8	25.0	63 000
12.0	66.2	24.5	53 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	162 200 *
6.0	82.0	29.6	156 400 *
6.5	81.0	29.5	143 600 *
7.0	79.9	29.4	132 600 *
7.5	78.9	29.3	123 000 *
8.0	77.8	29.2	114 300
8.5	76.7	29.0	103 700
9.0	75.6	28.9	93 200
10.0	73.4	28.6	76 300
11.0	71.2	28.2	63 700
12.0	69.0	27.8	54 000
13.0	66.7	27.4	46 200
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	146 600 *
6.5	81.9	32.6	141 700 *
7.0	80.9	32.5	133 900 *
7.5	80.0	32.4	123 300 *
8.0	79.0	32.3	114 600
8.5	78.1	32.2	104 400
9.0	77.1	32.0	94 000
10.0	75.1	31.8	77 000
11.0	73.2	31.5	64 500
12.0	71.2	31.1	54 700
13.0	69.2	30.7	46 900
14.0	67.1	30.3	40 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	132 800 *
7.0	81.8	35.6	129 800 *
7.5	80.9	35.5	124 000 *
8.0	80.0	35.4	114 700
8.5	79.2	35.3	104 900
9.0	78.3	35.2	94 600
10.0	76.5	34.9	77 500
11.0	74.8	34.7	64 900
12.0	73.0	34.3	55 100
13.0	71.2	34.0	47 300
14.0	69.3	33.6	40 900
15.0	67.5	33.2	35 600
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	128 800 *
7.0	82.5	38.7	127 500 *
7.5	81.7	38.6	123 800 *
8.0	80.9	38.5	114 900
8.5	80.1	38.4	105 500
9.0	79.3	38.3	95 200
10.0	77.7	38.1	77 900
11.0	76.1	37.8	65 300
12.0	74.4	37.5	55 500
13.0	72.8	37.2	47 700
14.0	71.1	36.9	41 300
15.0	69.5	36.5	35 900
16.0	67.8	36.1	31 400
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	118 000 *
7.5	82.3	41.7	116 900 *
8.0	81.6	41.6	113 600
8.5	80.9	41.5	105 900
9.0	80.1	41.4	95 800
10.0	78.6	41.2	78 300
11.0	77.2	41.0	65 600
12.0	75.7	40.7	55 800
13.0	74.2	40.4	48 000
14.0	72.6	40.1	41 600
15.0	71.1	39.8	36 200
16.0	69.6	39.4	31 700
18.0	66.4	38.5	24 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	111 400 *
8.0	82.2	44.7	110 600
8.5	81.5	44.6	105 900
9.0	80.8	44.5	96 500
10.0	79.5	44.3	78 600
11.0	78.1	44.1	66 000
12.0	76.7	43.9	56 100
13.0	75.3	43.6	48 200
14.0	73.9	43.3	41 800
15.0	72.5	43.0	36 400
16.0	71.1	42.6	31 900
18.0	68.2	41.9	24 700
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	99 400 *
8.0	82.7	47.7	99 100 *
8.5	82.1	47.7	96 900 *
9.0	81.4	47.6	94 000
10.0	80.2	47.4	78 800
11.0	78.9	47.2	66 100
12.0	77.6	47.0	56 200
13.0	76.3	46.7	48 400
14.0	75.0	46.5	41 900
15.0	73.7	46.2	36 500
16.0	72.4	45.9	32 000
18.0	69.7	45.1	24 700
20.0	67.0	44.3	19 200
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	93 400 *
9.0	82.0	50.7	91 500 *
10.0	80.8	50.5	79 300
11.0	79.6	50.3	66 300
12.0	78.4	50.1	56 400
13.0	77.2	49.9	48 500
14.0	76.0	49.6	42 000
15.0	74.8	49.4	36 700
16.0	73.5	49.1	32 100
18.0	71.1	48.4	24 800
20.0	68.5	47.6	19 300



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	85 700 *
9.0	82.5	53.8	84 100 *
10.0	81.3	53.6	79 300
11.0	80.2	53.4	66 500
12.0	79.1	53.2	56 500
13.0	78.0	53.0	48 600
14.0	76.8	52.8	42 100
15.0	75.7	52.5	36 800
16.0	74.5	52.2	32 200
18.0	72.2	51.6	24 900
20.0	69.9	50.9	19 300
22.0	67.5	50.1	14 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	80 100 *
10.0	81.8	56.7	76 900
11.0	80.8	56.5	66 600
12.0	79.7	56.3	56 600
13.0	78.6	56.1	48 700
14.0	77.6	55.9	42 200
15.0	76.5	55.7	36 800
16.0	75.4	55.4	32 200
18.0	73.2	54.8	24 900
20.0	71.0	54.1	19 300
22.0	68.8	53.4	15 000
24.0	66.5	52.5	11 400



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

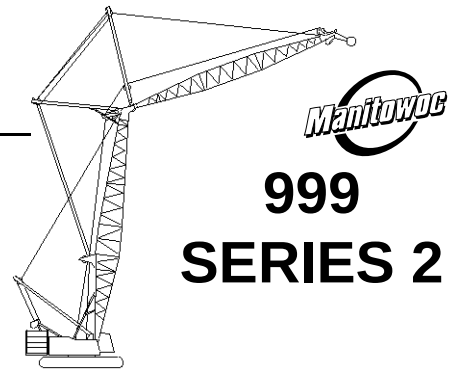
999
SERIES 2

33.5m (110 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	178 700 *
5.5	82.2	26.6	169 600 *
6.0	81.0	26.5	154 900 *
6.5	79.8	26.4	142 200 *
7.0	78.6	26.3	131 300 *
7.5	77.4	26.1	121 700 *
8.0	76.2	26.0	112 800
8.5	75.0	25.9	101 100
9.0	73.8	25.7	90 500
10.0	71.3	25.4	73 900
11.0	68.8	25.0	61 600
12.0	66.2	24.5	52 000
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	160 900 *
6.0	82.0	29.6	155 100 *
6.5	81.0	29.5	142 400 *
7.0	79.9	29.4	131 500 *
7.5	78.9	29.3	121 900 *
8.0	77.8	29.2	113 100
8.5	76.7	29.0	102 000
9.0	75.6	28.9	91 500
10.0	73.4	28.6	74 800
11.0	71.2	28.2	62 400
12.0	69.0	27.8	52 800
13.0	66.7	27.4	45 000
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	145 100 *
6.5	81.9	32.6	140 500 *
7.0	80.9	32.5	132 700 *
7.5	80.0	32.4	122 200 *
8.0	79.0	32.3	113 500
8.5	78.1	32.2	102 800
9.0	77.1	32.0	92 400
10.0	75.1	31.8	75 600
11.0	73.2	31.5	63 200
12.0	71.2	31.1	53 500
13.0	69.2	30.7	45 800
14.0	67.1	30.3	39 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	131 400 *
7.0	81.8	35.6	128 600 *
7.5	80.9	35.5	122 900 *
8.0	80.0	35.4	113 500
8.5	79.2	35.3	103 400
9.0	78.3	35.2	93 100
10.0	76.5	34.9	76 100
11.0	74.8	34.7	63 600
12.0	73.0	34.3	53 900
13.0	71.2	34.0	46 200
14.0	69.3	33.6	39 800
15.0	67.5	33.2	34 500
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	127 600 *
7.0	82.5	38.7	126 300 *
7.5	81.7	38.6	122 700 *
8.0	80.9	38.5	113 900
8.5	80.1	38.4	104 000
9.0	79.3	38.3	93 600
10.0	77.7	38.1	76 600
11.0	76.1	37.8	64 100
12.0	74.4	37.5	54 400
13.0	72.8	37.2	46 600
14.0	71.1	36.9	40 300
15.0	69.5	36.5	34 900
16.0	67.8	36.1	30 400
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	117 200 *
7.5	82.3	41.7	116 200 *
8.0	81.6	41.6	112 800
8.5	80.9	41.5	104 400
9.0	80.1	41.4	94 300
10.0	78.6	41.2	77 000
11.0	77.2	41.0	64 500
12.0	75.7	40.7	54 700
13.0	74.2	40.4	46 900
14.0	72.6	40.1	40 600
15.0	71.1	39.8	35 200
16.0	69.6	39.4	30 800
18.0	66.4	38.5	23 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	110 500 *
8.0	82.2	44.7	109 700
8.5	81.5	44.6	104 500
9.0	80.8	44.5	95 000
10.0	79.5	44.3	77 300
11.0	78.1	44.1	64 800
12.0	76.7	43.9	55 000
13.0	75.3	43.6	47 200
14.0	73.9	43.3	40 800
15.0	72.5	43.0	35 500
16.0	71.1	42.6	31 000
18.0	68.2	41.9	23 800
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	98 700 *
8.0	82.7	47.7	98 300 *
8.5	82.1	47.7	96 200 *
9.0	81.4	47.6	92 900
10.0	80.2	47.4	77 600
11.0	78.9	47.2	65 000
12.0	77.6	47.0	55 200
13.0	76.3	46.7	47 300
14.0	75.0	46.5	40 900
15.0	73.7	46.2	35 600
16.0	72.4	45.9	31 100
18.0	69.7	45.1	23 900
20.0	67.0	44.3	18 400
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	92 700 *
9.0	82.0	50.7	90 700 *
10.0	80.8	50.5	78 000
11.0	79.6	50.3	65 200
12.0	78.4	50.1	55 300
13.0	77.2	49.9	47 500
14.0	76.0	49.6	41 100
15.0	74.8	49.4	35 800
16.0	73.5	49.1	31 200
18.0	71.1	48.4	24 000
20.0	68.5	47.6	18 500



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

Meets
ANSI B30.5
Requirements

33.5m (110 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	85 000 *
9.0	82.5	53.8	83 400 *
10.0	81.3	53.6	78 400
11.0	80.2	53.4	65 300
12.0	79.1	53.2	55 500
13.0	78.0	53.0	47 600
14.0	76.8	52.8	41 200
15.0	75.7	52.5	35 900
16.0	74.5	52.2	31 300
18.0	72.2	51.6	24 100
20.0	69.9	50.9	18 600
22.0	67.5	50.1	14 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	79 400 *
10.0	81.8	56.7	76 000
11.0	80.8	56.5	65 500
12.0	79.7	56.3	55 600
13.0	78.6	56.1	47 700
14.0	77.6	55.9	41 300
15.0	76.5	55.7	35 900
16.0	75.4	55.4	31 400
18.0	73.2	54.8	24 100
20.0	71.0	54.1	18 600
22.0	68.8	53.4	14 200
24.0	66.5	52.5	10 700



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

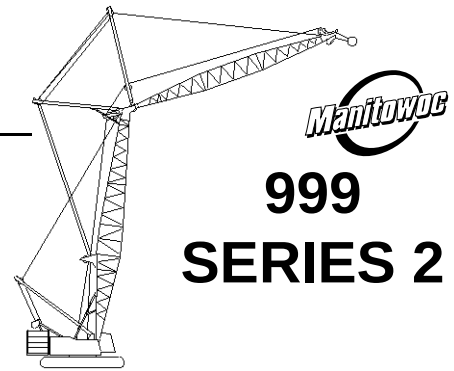
Meets
ANSI B30.5
Requirements

36.6m (120 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	176 200 *
5.5	82.2	26.6	167 300 *
6.0	81.0	26.5	152 700 *
6.5	79.8	26.4	140 100 *
7.0	78.6	26.3	129 200 *
7.5	77.4	26.1	119 600 *
8.0	76.2	26.0	110 800
8.5	75.0	25.9	98 300
9.0	73.8	25.7	87 600
10.0	71.3	25.4	71 300
11.0	68.8	25.0	59 200
12.0	66.2	24.5	49 700
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	158 800 *
6.0	82.0	29.6	153 000 *
6.5	81.0	29.5	140 300 *
7.0	79.9	29.4	129 400 *
7.5	78.9	29.3	119 900 *
8.0	77.8	29.2	111 100
8.5	76.7	29.0	99 300
9.0	75.6	28.9	88 800
10.0	73.4	28.6	72 300
11.0	71.2	28.2	60 100
12.0	69.0	27.8	50 500
13.0	66.7	27.4	43 000
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	142 900 *
6.5	81.9	32.6	138 400 *
7.0	80.9	32.5	130 800 *
7.5	80.0	32.4	120 300 *
8.0	79.0	32.3	111 600
8.5	78.1	32.2	100 200
9.0	77.1	32.0	89 700
10.0	75.1	31.8	73 200
11.0	73.2	31.5	60 900
12.0	71.2	31.1	51 300
13.0	69.2	30.7	43 700
14.0	67.1	30.3	37 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	129 400 *
7.0	81.8	35.6	126 700 *
7.5	80.9	35.5	121 100 *
8.0	80.0	35.4	111 700
8.5	79.2	35.3	100 800
9.0	78.3	35.2	90 500
10.0	76.5	34.9	73 700
11.0	74.8	34.7	61 400
12.0	73.0	34.3	51 900
13.0	71.2	34.0	44 200
14.0	69.3	33.6	37 900
15.0	67.5	33.2	32 700
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	125 700 *
7.0	82.5	38.7	124 400 *
7.5	81.7	38.6	120 800 *
8.0	80.9	38.5	112 000
8.5	80.1	38.4	101 500
9.0	79.3	38.3	91 100
10.0	77.7	38.1	74 300
11.0	76.1	37.8	62 000
12.0	74.4	37.5	52 400
13.0	72.8	37.2	44 700
14.0	71.1	36.9	38 400
15.0	69.5	36.5	33 200
16.0	67.8	36.1	28 800
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	115 600 *
7.5	82.3	41.7	114 600 *
8.0	81.6	41.6	111 500
8.5	80.9	41.5	102 000
9.0	80.1	41.4	91 700
10.0	78.6	41.2	74 800
11.0	77.2	41.0	62 400
12.0	75.7	40.7	52 800
13.0	74.2	40.4	45 100
14.0	72.6	40.1	38 800
15.0	71.1	39.8	33 500
16.0	69.6	39.4	29 100
18.0	66.4	38.5	22 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	109 200 *
8.0	82.2	44.7	108 300
8.5	81.5	44.6	102 000
9.0	80.8	44.5	92 500
10.0	79.5	44.3	75 200
11.0	78.1	44.1	62 800
12.0	76.7	43.9	53 100
13.0	75.3	43.6	45 400
14.0	73.9	43.3	39 100
15.0	72.5	43.0	33 900
16.0	71.1	42.6	29 400
18.0	68.2	41.9	22 300
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	97 400 *
8.0	82.7	47.7	97 100 *
8.5	82.1	47.7	94 900 *
9.0	81.4	47.6	90 900
10.0	80.2	47.4	75 400
11.0	78.9	47.2	63 000
12.0	77.6	47.0	53 300
13.0	76.3	46.7	45 600
14.0	75.0	46.5	39 300
15.0	73.7	46.2	34 000
16.0	72.4	45.9	29 500
18.0	69.7	45.1	22 400
20.0	67.0	44.3	17 000
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	91 300 *
9.0	82.0	50.7	89 400 *
10.0	80.8	50.5	75 800
11.0	79.6	50.3	63 200
12.0	78.4	50.1	53 500
13.0	77.2	49.9	45 800
14.0	76.0	49.6	39 400
15.0	74.8	49.4	34 200
16.0	73.5	49.1	29 700
18.0	71.1	48.4	22 500
20.0	68.5	47.6	17 100



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

999
SERIES 2

36.6m (120 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	83 700 *
9.0	82.5	53.8	82 200 *
10.0	81.3	53.6	76 900
11.0	80.2	53.4	63 400
12.0	79.1	53.2	53 700
13.0	78.0	53.0	45 900
14.0	76.8	52.8	39 600
15.0	75.7	52.5	34 300
16.0	74.5	52.2	29 800
18.0	72.2	51.6	22 700
20.0	69.9	50.9	17 200
22.0	67.5	50.1	12 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	78 100 *
10.0	81.8	56.7	74 500
11.0	80.8	56.5	63 600
12.0	79.7	56.3	53 800
13.0	78.6	56.1	46 100
14.0	77.6	55.9	39 700
15.0	76.5	55.7	34 400
16.0	75.4	55.4	29 900
18.0	73.2	54.8	22 700
20.0	71.0	54.1	17 300
22.0	68.8	53.4	13 000
24.0	66.5	52.5	9 500



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

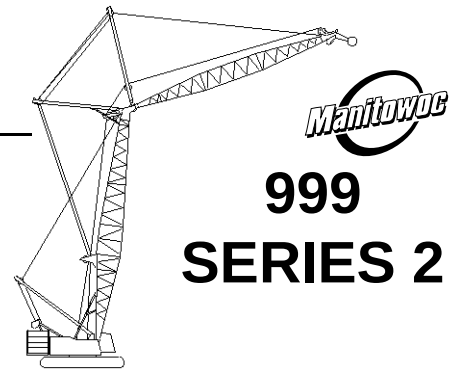
999
SERIES 2

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	174 700 *
5.5	82.2	26.6	170 100 *
6.0	81.0	26.5	155 000 *
6.5	79.8	26.4	142 200 *
7.0	78.6	26.3	131 000 *
7.5	77.4	26.1	121 200 *
8.0	76.2	26.0	112 300
8.5	75.0	25.9	100 400
9.0	73.8	25.7	89 700
10.0	71.3	25.4	72 700
11.0	68.8	25.0	60 200
12.0	66.2	24.5	50 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	161 300 *
6.0	82.0	29.6	155 400 *
6.5	81.0	29.5	142 500 *
7.0	79.9	29.4	131 400 *
7.5	78.9	29.3	121 600 *
8.0	77.8	29.2	112 700
8.5	76.7	29.0	101 600
9.0	75.6	28.9	91 000
10.0	73.4	28.6	73 900
11.0	71.2	28.2	61 200
12.0	69.0	27.8	51 400
13.0	66.7	27.4	43 600
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	141 700 *
6.5	81.9	32.6	139 200 *
7.0	80.9	32.5	133 000 *
7.5	80.0	32.4	122 200 *
8.0	79.0	32.3	113 300
8.5	78.1	32.2	102 700
9.0	77.1	32.0	92 100
10.0	75.1	31.8	74 900
11.0	73.2	31.5	62 200
12.0	71.2	31.1	52 400
13.0	69.2	30.7	44 500
14.0	67.1	30.3	38 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	128 200 *
7.0	81.8	35.6	126 700 *
7.5	80.9	35.5	122 700 *
8.0	80.0	35.4	113 400
8.5	79.2	35.3	103 400
9.0	78.3	35.2	92 900
10.0	76.5	34.9	75 600
11.0	74.8	34.7	62 900
12.0	73.0	34.3	53 000
13.0	71.2	34.0	45 100
14.0	69.3	33.6	38 600
15.0	67.5	33.2	33 200
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	124 700 *
7.0	82.5	38.7	123 400 *
7.5	81.7	38.6	120 200 *
8.0	80.9	38.5	114 000
8.5	80.1	38.4	104 200
9.0	79.3	38.3	93 700
10.0	77.7	38.1	76 300
11.0	76.1	37.8	63 500
12.0	74.4	37.5	53 600
13.0	72.8	37.2	45 700
14.0	71.1	36.9	39 200
15.0	69.5	36.5	33 800
16.0	67.8	36.1	29 200
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	114 700 *
7.5	82.3	41.7	113 800 *
8.0	81.6	41.6	111 200
8.5	80.9	41.5	104 600
9.0	80.1	41.4	94 600
10.0	78.6	41.2	76 800
11.0	77.2	41.0	64 000
12.0	75.7	40.7	54 100
13.0	74.2	40.4	46 100
14.0	72.6	40.1	39 600
15.0	71.1	39.8	34 200
16.0	69.6	39.4	29 600
18.0	66.4	38.5	22 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	108 600 *
8.0	82.2	44.7	108 100
8.5	81.5	44.6	104 800
9.0	80.8	44.5	95 500
10.0	79.5	44.3	77 300
11.0	78.1	44.1	64 500
12.0	76.7	43.9	54 500
13.0	75.3	43.6	46 500
14.0	73.9	43.3	40 000
15.0	72.5	43.0	34 600
16.0	71.1	42.6	30 000
18.0	68.2	41.9	22 700
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	96 800 *
8.0	82.7	47.7	96 500 *
8.5	82.1	47.7	94 300 *
9.0	81.4	47.6	92 200 *
10.0	80.2	47.4	77 600
11.0	78.9	47.2	64 700
12.0	77.6	47.0	54 700
13.0	76.3	46.7	46 800
14.0	75.0	46.5	40 300
15.0	73.7	46.2	34 800
16.0	72.4	45.9	30 200
18.0	69.7	45.1	22 800
20.0	67.0	44.3	17 300
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	90 800 *
9.0	82.0	50.7	88 800 *
10.0	80.8	50.5	78 400
11.0	79.6	50.3	65 000
12.0	78.4	50.1	55 000
13.0	77.2	49.9	47 000
14.0	76.0	49.6	40 500
15.0	74.8	49.4	35 000
16.0	73.5	49.1	30 400
18.0	71.1	48.4	23 100
20.0	68.5	47.6	17 400



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

Meets
ANSI B30.5
Requirements

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	83 100 *
9.0	82.5	53.8	81 600 *
10.0	81.3	53.6	77 100
11.0	80.2	53.4	65 300
12.0	79.1	53.2	55 200
13.0	78.0	53.0	47 200
14.0	76.8	52.8	40 700
15.0	75.7	52.5	35 200
16.0	74.5	52.2	30 600
18.0	72.2	51.6	23 200
20.0	69.9	50.9	17 600
22.0	67.5	50.1	13 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	77 600 *
10.0	81.8	56.7	74 700
11.0	80.8	56.5	65 500
12.0	79.7	56.3	55 400
13.0	78.6	56.1	47 400
14.0	77.6	55.9	40 800
15.0	76.5	55.7	35 300
16.0	75.4	55.4	30 700
18.0	73.2	54.8	23 300
20.0	71.0	54.1	17 700
22.0	68.8	53.4	13 200
24.0	66.5	52.5	9 600



Liftcrane Boom Capacities With Luffing Jib Attached

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

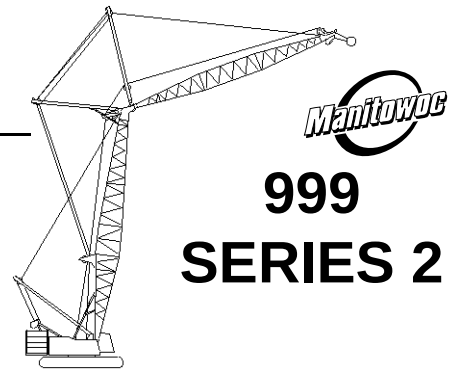
Meets
ANSI B30.5
Requirements

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	172 300 *
5.5	82.2	26.6	168 300 *
6.0	81.0	26.5	153 200 *
6.5	79.8	26.4	140 400 *
7.0	78.6	26.3	129 200 *
7.5	77.4	26.1	119 500 *
8.0	76.2	26.0	110 400
8.5	75.0	25.9	97 900
9.0	73.8	25.7	87 100
10.0	71.3	25.4	70 300
11.0	68.8	25.0	57 900
12.0	66.2	24.5	48 200
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	159 500 *
6.0	82.0	29.6	153 600 *
6.5	81.0	29.5	140 700 *
7.0	79.9	29.4	129 600 *
7.5	78.9	29.3	119 900 *
8.0	77.8	29.2	111 000
8.5	76.7	29.0	99 200
9.0	75.6	28.9	88 500
10.0	73.4	28.6	71 600
11.0	71.2	28.2	59 100
12.0	69.0	27.8	49 400
13.0	66.7	27.4	41 600
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	139 600 *
6.5	81.9	32.6	137 000 *
7.0	80.9	32.5	131 000 *
7.5	80.0	32.4	120 500 *
8.0	79.0	32.3	111 600
8.5	78.1	32.2	100 400
9.0	77.1	32.0	89 800
10.0	75.1	31.8	72 800
11.0	73.2	31.5	60 200
12.0	71.2	31.1	50 400
13.0	69.2	30.7	42 600
14.0	67.1	30.3	36 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	126 300 *
7.0	81.8	35.6	124 700 *
7.5	80.9	35.5	120 800 *
8.0	80.0	35.4	111 900
8.5	79.2	35.3	101 200
9.0	78.3	35.2	90 700
10.0	76.5	34.9	73 500
11.0	74.8	34.7	60 900
12.0	73.0	34.3	51 100
13.0	71.2	34.0	43 300
14.0	69.3	33.6	36 900
15.0	67.5	33.2	31 500
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	122 900 *
7.0	82.5	38.7	121 500 *
7.5	81.7	38.6	118 500 *
8.0	80.9	38.5	112 400
8.5	80.1	38.4	102 100
9.0	79.3	38.3	91 500
10.0	77.7	38.1	74 300
11.0	76.1	37.8	61 700
12.0	74.4	37.5	51 800
13.0	72.8	37.2	43 900
14.0	71.1	36.9	37 500
15.0	69.5	36.5	32 200
16.0	67.8	36.1	27 600
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	113 000 *
7.5	82.3	41.7	112 200 *
8.0	81.6	41.6	109 800
8.5	80.9	41.5	102 500
9.0	80.1	41.4	92 500
10.0	78.6	41.2	74 900
11.0	77.2	41.0	62 200
12.0	75.7	40.7	52 300
13.0	74.2	40.4	44 500
14.0	72.6	40.1	38 000
15.0	71.1	39.8	32 600
16.0	69.6	39.4	28 100
18.0	66.4	38.5	20 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	107 100 *
8.0	82.2	44.7	106 600
8.5	81.5	44.6	102 700
9.0	80.8	44.5	93 400
10.0	79.5	44.3	75 400
11.0	78.1	44.1	62 700
12.0	76.7	43.9	52 800
13.0	75.3	43.6	44 900
14.0	73.9	43.3	38 400
15.0	72.5	43.0	33 100
16.0	71.1	42.6	28 500
18.0	68.2	41.9	21 200
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	95 700 *
8.0	82.7	47.7	95 300 *
8.5	82.1	47.7	93 100 *
9.0	81.4	47.6	90 800
10.0	80.2	47.4	75 800
11.0	78.9	47.2	63 000
12.0	77.6	47.0	53 100
13.0	76.3	46.7	45 200
14.0	75.0	46.5	38 700
15.0	73.7	46.2	33 300
16.0	72.4	45.9	28 700
18.0	69.7	45.1	21 500
20.0	67.0	44.3	15 900
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	89 600 *
9.0	82.0	50.7	87 600 *
10.0	80.8	50.5	76 500
11.0	79.6	50.3	63 300
12.0	78.4	50.1	53 400
13.0	77.2	49.9	45 400
14.0	76.0	49.6	39 000
15.0	74.8	49.4	33 600
16.0	73.5	49.1	29 000
18.0	71.1	48.4	21 700
20.0	68.5	47.6	16 100



999 SERIES 2

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

Meets
ANSI B30.5
Requirements

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	82 000 *
9.0	82.5	53.8	80 400 *
10.0	81.3	53.6	75 800
11.0	80.2	53.4	63 600
12.0	79.1	53.2	53 600
13.0	78.0	53.0	45 700
14.0	76.8	52.8	39 200
15.0	75.7	52.5	33 800
16.0	74.5	52.2	29 200
18.0	72.2	51.6	21 900
20.0	69.9	50.9	16 300
22.0	67.5	50.1	11 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	76 400 *
10.0	81.8	56.7	73 400
11.0	80.8	56.5	63 800
12.0	79.7	56.3	53 900
13.0	78.6	56.1	45 900
14.0	77.6	55.9	39 400
15.0	76.5	55.7	33 900
16.0	75.4	55.4	29 400
18.0	73.2	54.8	22 000
20.0	71.0	54.1	16 400
22.0	68.8	53.4	12 000
24.0	66.5	52.5	8 400



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

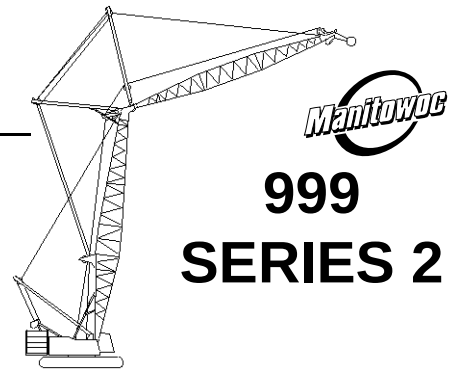
999
SERIES 2

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	170 100 *
5.5	82.2	26.6	166 800 *
6.0	81.0	26.5	151 800 *
6.5	79.8	26.4	139 000 *
7.0	78.6	26.3	127 900 *
7.5	77.4	26.1	118 100
8.0	76.2	26.0	108 800
8.5	75.0	25.9	95 800
9.0	73.8	25.7	85 000
10.0	71.3	25.4	68 500
11.0	68.8	25.0	56 100
12.0	66.2	24.5	46 500
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	158 100 *
6.0	82.0	29.6	152 300 *
6.5	81.0	29.5	139 400 *
7.0	79.9	29.4	128 300 *
7.5	78.9	29.3	118 600 *
8.0	77.8	29.2	109 700
8.5	76.7	29.0	97 300
9.0	75.6	28.9	86 600
10.0	73.4	28.6	69 900
11.0	71.2	28.2	57 500
12.0	69.0	27.8	47 800
13.0	66.7	27.4	40 100
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	137 700 *
6.5	81.9	32.6	135 200 *
7.0	80.9	32.5	129 400 *
7.5	80.0	32.4	119 400 *
8.0	79.0	32.3	110 400
8.5	78.1	32.2	98 600
9.0	77.1	32.0	87 900
10.0	75.1	31.8	71 100
11.0	73.2	31.5	58 700
12.0	71.2	31.1	49 000
13.0	69.2	30.7	41 200
14.0	67.1	30.3	34 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	124 600 *
7.0	81.8	35.6	123 000 *
7.5	80.9	35.5	119 100 *
8.0	80.0	35.4	110 700
8.5	79.2	35.3	99 500
9.0	78.3	35.2	88 900
10.0	76.5	34.9	72 000
11.0	74.8	34.7	59 500
12.0	73.0	34.3	49 700
13.0	71.2	34.0	41 900
14.0	69.3	33.6	35 600
15.0	67.5	33.2	30 300
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	121 300 *
7.0	82.5	38.7	119 900 *
7.5	81.7	38.6	116 900 *
8.0	80.9	38.5	111 300
8.5	80.1	38.4	100 400
9.0	79.3	38.3	89 800
10.0	77.7	38.1	72 700
11.0	76.1	37.8	60 200
12.0	74.4	37.5	50 500
13.0	72.8	37.2	42 700
14.0	71.1	36.9	36 300
15.0	69.5	36.5	31 000
16.0	67.8	36.1	26 500
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	111 500 *
7.5	82.3	41.7	110 800 *
8.0	81.6	41.6	108 300
8.5	80.9	41.5	100 900
9.0	80.1	41.4	90 800
10.0	78.6	41.2	73 400
11.0	77.2	41.0	60 800
12.0	75.7	40.7	51 000
13.0	74.2	40.4	43 200
14.0	72.6	40.1	36 900
15.0	71.1	39.8	31 500
16.0	69.6	39.4	27 000
18.0	66.4	38.5	19 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	105 800 *
8.0	82.2	44.7	105 200
8.5	81.5	44.6	101 100
9.0	80.8	44.5	91 800
10.0	79.5	44.3	74 000
11.0	78.1	44.1	61 400
12.0	76.7	43.9	51 600
13.0	75.3	43.6	43 700
14.0	73.9	43.3	37 300
15.0	72.5	43.0	32 000
16.0	71.1	42.6	27 500
18.0	68.2	41.9	20 300
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	94 700 *
8.0	82.7	47.7	94 400 *
8.5	82.1	47.7	92 200 *
9.0	81.4	47.6	89 400
10.0	80.2	47.4	74 400
11.0	78.9	47.2	61 700
12.0	77.6	47.0	51 900
13.0	76.3	46.7	44 000
14.0	75.0	46.5	37 600
15.0	73.7	46.2	32 200
16.0	72.4	45.9	27 700
18.0	69.7	45.1	20 500
20.0	67.0	44.3	15 000
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	88 600 *
9.0	82.0	50.7	86 600 *
10.0	80.8	50.5	75 100
11.0	79.6	50.3	62 100
12.0	78.4	50.1	52 200
13.0	77.2	49.9	44 300
14.0	76.0	49.6	37 900
15.0	74.8	49.4	32 500
16.0	73.5	49.1	28 000
18.0	71.1	48.4	20 700
20.0	68.5	47.6	15 200



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

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

**Meets
ANSI B30.5
Requirements**

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	81 100 *
9.0	82.5	53.8	79 500 *
10.0	81.3	53.6	74 800
11.0	80.2	53.4	62 400
12.0	79.1	53.2	52 500
13.0	78.0	53.0	44 600
14.0	76.8	52.8	38 200
15.0	75.7	52.5	32 800
16.0	74.5	52.2	28 200
18.0	72.2	51.6	21 000
20.0	69.9	50.9	15 400
22.0	67.5	50.1	11 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	75 500 *
10.0	81.8	56.7	72 300
11.0	80.8	56.5	62 600
12.0	79.7	56.3	52 700
13.0	78.6	56.1	44 800
14.0	77.6	55.9	38 400
15.0	76.5	55.7	33 000
16.0	75.4	55.4	28 400
18.0	73.2	54.8	21 100



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

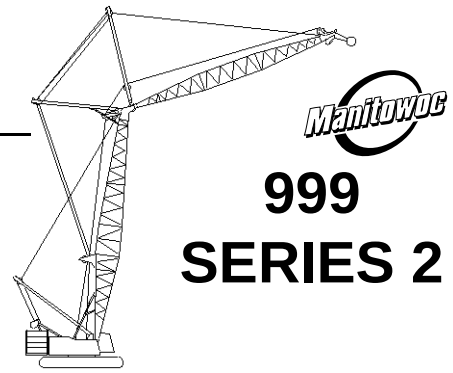
999
SERIES 2

48.8m (160 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	167 500 *
5.5	82.2	26.6	164 900 *
6.0	81.0	26.5	149 800 *
6.5	79.8	26.4	137 000 *
7.0	78.6	26.3	126 000 *
7.5	77.4	26.1	116 000
8.0	76.2	26.0	105 800
8.5	75.0	25.9	93 000
9.0	73.8	25.7	82 400
10.0	71.3	25.4	66 000
11.0	68.8	25.0	53 800
12.0	66.2	24.5	44 200
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	156 300 *
6.0	82.0	29.6	150 400 *
6.5	81.0	29.5	137 600 *
7.0	79.9	29.4	126 500 *
7.5	78.9	29.3	116 800
8.0	77.8	29.2	107 600
8.5	76.7	29.0	94 700
9.0	75.6	28.9	84 000
10.0	73.4	28.6	67 500
11.0	71.2	28.2	55 200
12.0	69.0	27.8	45 700
13.0	66.7	27.4	38 000
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	135 300 *
6.5	81.9	32.6	132 900 *
7.0	80.9	32.5	127 300 *
7.5	80.0	32.4	117 700 *
8.0	79.0	32.3	108 600
8.5	78.1	32.2	96 100
9.0	77.1	32.0	85 400
10.0	75.1	31.8	68 800
11.0	73.2	31.5	56 500
12.0	71.2	31.1	46 900
13.0	69.2	30.7	39 200
14.0	67.1	30.3	33 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	122 400 *
7.0	81.8	35.6	120 800 *
7.5	80.9	35.5	117 100 *
8.0	80.0	35.4	109 000
8.5	79.2	35.3	97 200
9.0	78.3	35.2	86 500
10.0	76.5	34.9	69 800
11.0	74.8	34.7	57 400
12.0	73.0	34.3	47 800
13.0	71.2	34.0	40 000
14.0	69.3	33.6	33 800
15.0	67.5	33.2	28 500
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	119 400 *
7.0	82.5	38.7	118 000 *
7.5	81.7	38.6	115 100 *
8.0	80.9	38.5	109 600
8.5	80.1	38.4	98 100
9.0	79.3	38.3	87 400
10.0	77.7	38.1	70 600
11.0	76.1	37.8	58 200
12.0	74.4	37.5	48 600
13.0	72.8	37.2	40 800
14.0	71.1	36.9	34 500
15.0	69.5	36.5	29 300
16.0	67.8	36.1	24 800
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	109 800 *
7.5	82.3	41.7	109 000 *
8.0	81.6	41.6	106 400
8.5	80.9	41.5	98 600
9.0	80.1	41.4	88 600
10.0	78.6	41.2	71 300
11.0	77.2	41.0	58 900
12.0	75.7	40.7	49 200
13.0	74.2	40.4	41 500
14.0	72.6	40.1	35 100
15.0	71.1	39.8	29 800
16.0	69.6	39.4	25 400
18.0	66.4	38.5	18 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	104 000 *
8.0	82.2	44.7	103 400
8.5	81.5	44.6	98 900
9.0	80.8	44.5	89 600
10.0	79.5	44.3	72 000
11.0	78.1	44.1	59 500
12.0	76.7	43.9	49 800
13.0	75.3	43.6	42 000
14.0	73.9	43.3	35 700
15.0	72.5	43.0	30 400
16.0	71.1	42.6	25 900
18.0	68.2	41.9	18 800
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	93 500 *
8.0	82.7	47.7	93 100 *
8.5	82.1	47.7	90 900 *
9.0	81.4	47.6	87 600
10.0	80.2	47.4	72 400
11.0	78.9	47.2	59 900
12.0	77.6	47.0	50 200
13.0	76.3	46.7	42 300
14.0	75.0	46.5	36 000
15.0	73.7	46.2	30 700
16.0	72.4	45.9	26 200
18.0	69.7	45.1	19 000
20.0	67.0	44.3	13 500
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	87 300 *
9.0	82.0	50.7	85 400 *
10.0	80.8	50.5	73 100
11.0	79.6	50.3	60 300
12.0	78.4	50.1	50 500
13.0	77.2	49.9	42 700
14.0	76.0	49.6	36 400
15.0	74.8	49.4	31 000
16.0	73.5	49.1	26 500
18.0	71.1	48.4	19 300
20.0	68.5	47.6	13 900



999 SERIES 2

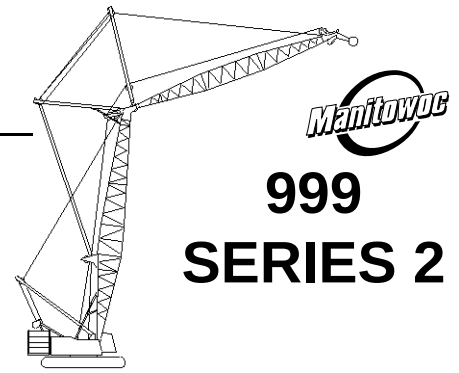
Boom No. 82
Luffing Jib No. 149
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

48.8m (160 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	79 800 *
9.0	82.5	53.8	78 200 *
10.0	81.3	53.6	73 400
11.0	80.2	53.4	60 600
12.0	79.1	53.2	50 800
13.0	78.0	53.0	43 000
14.0	76.8	52.8	36 600
15.0	75.7	52.5	31 300
16.0	74.5	52.2	26 800
18.0	72.2	51.6	19 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	53 500 *
10.0	81.8	56.7	53 500 *
11.0	80.8	56.5	53 500 *
12.0	79.7	56.3	50 700
13.0	78.6	56.1	43 200
14.0	77.6	55.9	36 900
15.0	76.5	55.7	31 500
16.0	75.4	55.4	27 000
18.0	73.2	54.8	19 800



Liftcrane Boom Capacities With Luffing Jib Attached

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

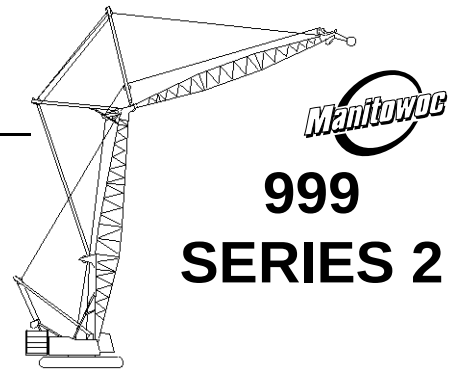
Meets
ANSI B30.5
Requirements

51.8m (170 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	165 700 *
5.5	82.2	26.6	163 100 *
6.0	81.0	26.5	148 200 *
6.5	79.8	26.4	135 400 *
7.0	78.6	26.3	124 300 *
7.5	77.4	26.1	114 200
8.0	76.2	26.0	103 200
8.5	75.0	25.9	90 600
9.0	73.8	25.7	80 000
10.0	71.3	25.4	63 900
11.0	68.8	25.0	51 700
12.0	66.2	24.5	42 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	154 600 *
6.0	82.0	29.6	148 800 *
6.5	81.0	29.5	136 000 *
7.0	79.9	29.4	125 000 *
7.5	78.9	29.3	115 100
8.0	77.8	29.2	105 200
8.5	76.7	29.0	92 400
9.0	75.6	28.9	81 800
10.0	73.4	28.6	65 500
11.0	71.2	28.2	53 300
12.0	69.0	27.8	43 800
13.0	66.7	27.4	36 300
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	133 900 *
6.5	81.9	32.6	131 300 *
7.0	80.9	32.5	125 800 *
7.5	80.0	32.4	116 200
8.0	79.0	32.3	106 800
8.5	78.1	32.2	94 000
9.0	77.1	32.0	83 300
10.0	75.1	31.8	66 900
11.0	73.2	31.5	54 700
12.0	71.2	31.1	45 200
13.0	69.2	30.7	37 600
14.0	67.1	30.3	31 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	121 000 *
7.0	81.8	35.6	119 400 *
7.5	80.9	35.5	115 700 *
8.0	80.0	35.4	107 600
8.5	79.2	35.3	95 100
9.0	78.3	35.2	84 400
10.0	76.5	34.9	67 900
11.0	74.8	34.7	55 700
12.0	73.0	34.3	46 100
13.0	71.2	34.0	38 500
14.0	69.3	33.6	32 200
15.0	67.5	33.2	27 000
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	118 200 *
7.0	82.5	38.7	116 700 *
7.5	81.7	38.6	113 700 *
8.0	80.9	38.5	108 200
8.5	80.1	38.4	96 200
9.0	79.3	38.3	85 400
10.0	77.7	38.1	68 800
11.0	76.1	37.8	56 500
12.0	74.4	37.5	47 000
13.0	72.8	37.2	39 300
14.0	71.1	36.9	33 000
15.0	69.5	36.5	27 800
16.0	67.8	36.1	23 400
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	108 600 *
7.5	82.3	41.7	107 800 *
8.0	81.6	41.6	105 200
8.5	80.9	41.5	96 700
9.0	80.1	41.4	86 700
10.0	78.6	41.2	69 600
11.0	77.2	41.0	57 300
12.0	75.7	40.7	47 700
13.0	74.2	40.4	40 000
14.0	72.6	40.1	33 700
15.0	71.1	39.8	28 500
16.0	69.6	39.4	24 000
18.0	66.4	38.5	17 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	103 000 *
8.0	82.2	44.7	102 200
8.5	81.5	44.6	97 100
9.0	80.8	44.5	87 700
10.0	79.5	44.3	70 300
11.0	78.1	44.1	57 900
12.0	76.7	43.9	48 300
13.0	75.3	43.6	40 600
14.0	73.9	43.3	34 300
15.0	72.5	43.0	29 100
16.0	71.1	42.6	24 600
18.0	68.2	41.9	17 500
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	92 700 *
8.0	82.7	47.7	92 400 *
8.5	82.1	47.7	90 200 *
9.0	81.4	47.6	86 200
10.0	80.2	47.4	70 800
11.0	78.9	47.2	58 300
12.0	77.6	47.0	48 700
13.0	76.3	46.7	41 000
14.0	75.0	46.5	34 600
15.0	73.7	46.2	29 400
16.0	72.4	45.9	24 900
18.0	69.7	45.1	17 800
20.0	67.0	44.3	12 400
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	86 500 *
9.0	82.0	50.7	84 600 *
10.0	80.8	50.5	71 400
11.0	79.6	50.3	58 800
12.0	78.4	50.1	49 100
13.0	77.2	49.9	41 400
14.0	76.0	49.6	35 000
15.0	74.8	49.4	29 800
16.0	73.5	49.1	25 300
18.0	71.1	48.4	18 200



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

51.8m (170 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	79 100 *
9.0	82.5	53.8	77 500 *
10.0	81.3	53.6	72 400
11.0	80.2	53.4	59 200
12.0	79.1	53.2	49 400
13.0	78.0	53.0	41 700
14.0	76.8	52.8	35 400
15.0	75.7	52.5	30 000
16.0	74.5	52.2	25 600
18.0	72.2	51.6	18 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	53 500 *
10.0	81.8	56.7	53 500 *
11.0	80.8	56.5	53 500 *
12.0	79.7	56.3	49 800
13.0	78.6	56.1	41 900
14.0	77.6	55.9	35 600
15.0	76.5	55.7	30 300



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

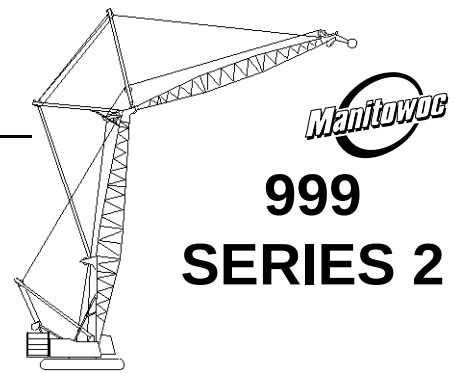
999
SERIES 2

54.9m (180 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	163 000 *
5.5	82.2	26.6	160 300 *
6.0	81.0	26.5	146 200 *
6.5	79.8	26.4	133 400 *
7.0	78.6	26.3	122 300 *
7.5	77.4	26.1	112 000
8.0	76.2	26.0	100 100
8.5	75.0	25.9	87 600
9.0	73.8	25.7	77 200
10.0	71.3	25.4	61 200
11.0	68.8	25.0	49 200
12.0	66.2	24.5	39 800
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	152 600 *
6.0	82.0	29.6	146 800 *
6.5	81.0	29.5	134 000 *
7.0	79.9	29.4	123 000 *
7.5	78.9	29.3	113 000
8.0	77.8	29.2	102 200
8.5	76.7	29.0	89 600
9.0	75.6	28.9	79 100
10.0	73.4	28.6	63 000
11.0	71.2	28.2	50 900
12.0	69.0	27.8	41 500
13.0	66.7	27.4	34 100
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	131 400 *
6.5	81.9	32.6	128 800 *
7.0	80.9	32.5	123 500 *
7.5	80.0	32.4	114 200
8.0	79.0	32.3	103 900
8.5	78.1	32.2	91 300
9.0	77.1	32.0	80 700
10.0	75.1	31.8	64 500
11.0	73.2	31.5	52 400
12.0	71.2	31.1	43 000
13.0	69.2	30.7	35 500
14.0	67.1	30.3	29 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	118 700 *
7.0	81.8	35.6	117 100 *
7.5	80.9	35.5	113 400
8.0	80.0	35.4	105 300
8.5	79.2	35.3	92 600
9.0	78.3	35.2	81 900
10.0	76.5	34.9	65 600
11.0	74.8	34.7	53 500
12.0	73.0	34.3	44 000
13.0	71.2	34.0	36 400
14.0	69.3	33.6	30 300
15.0	67.5	33.2	25 100
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	116 100 *
7.0	82.5	38.7	114 600 *
7.5	81.7	38.6	111 700 *
8.0	80.9	38.5	106 500
8.5	80.1	38.4	93 700
9.0	79.3	38.3	82 900
10.0	77.7	38.1	66 600
11.0	76.1	37.8	54 500
12.0	74.4	37.5	44 900
13.0	72.8	37.2	37 300
14.0	71.1	36.9	31 200
15.0	69.5	36.5	26 000
16.0	67.8	36.1	21 600
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	106 700 *
7.5	82.3	41.7	105 900 *
8.0	81.6	41.6	103 300
8.5	80.9	41.5	94 300
9.0	80.1	41.4	84 300
10.0	78.6	41.2	67 500
11.0	77.2	41.0	55 200
12.0	75.7	40.7	45 700
13.0	74.2	40.4	38 100
14.0	72.6	40.1	31 900
15.0	71.1	39.8	26 700
16.0	69.6	39.4	22 400
18.0	66.4	38.5	15 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	101 200 *
8.0	82.2	44.7	100 300
8.5	81.5	44.6	94 700
9.0	80.8	44.5	85 300
10.0	79.5	44.3	68 200
11.0	78.1	44.1	55 900
12.0	76.7	43.9	46 300
13.0	75.3	43.6	38 700
14.0	73.9	43.3	32 500
15.0	72.5	43.0	27 300
16.0	71.1	42.6	22 900
18.0	68.2	41.9	15 900
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	91 400 *
8.0	82.7	47.7	91 100 *
8.5	82.1	47.7	88 900 *
9.0	81.4	47.6	84 300
10.0	80.2	47.4	68 700
11.0	78.9	47.2	56 400
12.0	77.6	47.0	46 800
13.0	76.3	46.7	39 200
14.0	75.0	46.5	33 000
15.0	73.7	46.2	27 700
16.0	72.4	45.9	23 300
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	85 200 *
9.0	82.0	50.7	83 200 *
10.0	80.8	50.5	69 300
11.0	79.6	50.3	56 900
12.0	78.4	50.1	47 300
13.0	77.2	49.9	39 600
14.0	76.0	49.6	33 400
15.0	74.8	49.4	28 200
16.0	73.5	49.1	23 700
18.0	71.1	48.4	16 700
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	77 800 *
9.0	82.5	53.8	76 200 *
10.0	81.3	53.6	70 600
11.0	80.2	53.4	57 300
12.0	79.1	53.2	47 700
13.0	78.0	53.0	40 000
14.0	76.8	52.8	33 700
15.0	75.7	52.5	28 500



Liftcrane Boom Capacities With Luffing Jib Attached

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

**Meets
ANSI B30.5
Requirements**

57.9m (190 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	160 700 *
5.5	82.2	26.6	158 000 *
6.0	81.0	26.5	145 000 *
6.5	79.8	26.4	132 100 *
7.0	78.6	26.3	121 100 *
7.5	77.4	26.1	110 500
8.0	76.2	26.0	97 900
8.5	75.0	25.9	85 600
9.0	73.8	25.7	75 300
10.0	71.3	25.4	59 400
11.0	68.8	25.0	47 500
12.0	66.2	24.5	38 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	151 400 *
6.0	82.0	29.6	145 600 *
6.5	81.0	29.5	132 800 *
7.0	79.9	29.4	121 800 *
7.5	78.9	29.3	111 600
8.0	77.8	29.2	100 200
8.5	76.7	29.0	87 700
9.0	75.6	28.9	77 300
10.0	73.4	28.6	61 300
11.0	71.2	28.2	49 400
12.0	69.0	27.8	40 000
13.0	66.7	27.4	32 600
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	129 500 *
6.5	81.9	32.6	126 800 *
7.0	80.9	32.5	121 700 *
7.5	80.0	32.4	113 000
8.0	79.0	32.3	102 000
8.5	78.1	32.2	89 500
9.0	77.1	32.0	79 000
10.0	75.1	31.8	63 000
11.0	73.2	31.5	51 000
12.0	71.2	31.1	41 600
13.0	69.2	30.7	34 100
14.0	67.1	30.3	28 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	116 900 *
7.0	81.8	35.6	115 300 *
7.5	80.9	35.5	111 500
8.0	80.0	35.4	103 600
8.5	79.2	35.3	90 900
9.0	78.3	35.2	80 300
10.0	76.5	34.9	64 200
11.0	74.8	34.7	52 100
12.0	73.0	34.3	42 700
13.0	71.2	34.0	35 200
14.0	69.3	33.6	29 000
15.0	67.5	33.2	24 000
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	114 400 *
7.0	82.5	38.7	113 000 *
7.5	81.7	38.6	110 100
8.0	80.9	38.5	104 900
8.5	80.1	38.4	92 100
9.0	79.3	38.3	81 400
10.0	77.7	38.1	65 200
11.0	76.1	37.8	53 100
12.0	74.4	37.5	43 700
13.0	72.8	37.2	36 200
14.0	71.1	36.9	30 000
15.0	69.5	36.5	24 900
16.0	67.8	36.1	20 600
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	105 200 *
7.5	82.3	41.7	104 400 *
8.0	81.6	41.6	101 700
8.5	80.9	41.5	92 800
9.0	80.1	41.4	82 700
10.0	78.6	41.2	66 100
11.0	77.2	41.0	54 000
12.0	75.7	40.7	44 500
13.0	74.2	40.4	37 000
14.0	72.6	40.1	30 800
15.0	71.1	39.8	25 600
16.0	69.6	39.4	21 300
18.0	66.4	38.5	14 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	99 700 *
8.0	82.2	44.7	98 900
8.5	81.5	44.6	93 200
9.0	80.8	44.5	83 900
10.0	79.5	44.3	66 800
11.0	78.1	44.1	54 700
12.0	76.7	43.9	45 200
13.0	75.3	43.6	37 600
14.0	73.9	43.3	31 500
15.0	72.5	43.0	26 300
16.0	71.1	42.6	21 900
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	90 400 *
8.0	82.7	47.7	90 000 *
8.5	82.1	47.7	87 800 *
9.0	81.4	47.6	83 000
10.0	80.2	47.4	67 400
11.0	78.9	47.2	55 200
12.0	77.6	47.0	45 700
13.0	76.3	46.7	38 100
14.0	75.0	46.5	31 900
15.0	73.7	46.2	26 700
16.0	72.4	45.9	22 400
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	84 100 *
9.0	82.0	50.7	82 200 *
10.0	80.8	50.5	68 000
11.0	79.6	50.3	55 700
12.0	78.4	50.1	46 200
13.0	77.2	49.9	38 600
14.0	76.0	49.6	32 400
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	76 700 *
9.0	82.5	53.8	75 200 *
10.0	81.3	53.6	69 300
11.0	80.2	53.4	56 200
12.0	79.1	53.2	46 600
13.0	78.0	53.0	39 000
14.0	76.8	52.8	32 700
15.0	75.7	52.5	27 500



Liftcrane Boom Capacities With Luffing Jib Attached

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

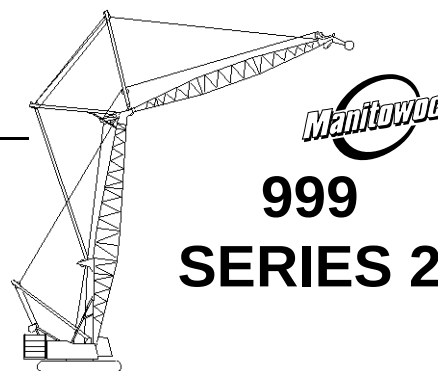
Meets
ANSI B30.5
Requirements

61.0m (200 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	157 800 *
5.5	82.2	26.6	155 000 *
6.0	81.0	26.5	142 900 *
6.5	79.8	26.4	129 900 *
7.0	78.6	26.3	118 900 *
7.5	77.4	26.1	108 200
8.0	76.2	26.0	94 600
8.5	75.0	25.9	82 500
9.0	73.8	25.7	72 300
10.0	71.3	25.4	56 600
11.0	68.8	25.0	44 800
12.0	66.2	24.5	35 700
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	149 200 *
6.0	82.0	29.6	143 500 *
6.5	81.0	29.5	130 800 *
7.0	79.9	29.4	119 800 *
7.5	78.9	29.3	109 400
8.0	77.8	29.2	97 000
8.5	76.7	29.0	84 800
9.0	75.6	28.9	74 500
10.0	73.4	28.6	58 700
11.0	71.2	28.2	46 800
12.0	69.0	27.8	37 600
13.0	66.7	27.4	30 300
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	126 800 *
6.5	81.9	32.6	124 100 *
7.0	80.9	32.5	119 300 *
7.5	80.0	32.4	110 900
8.0	79.0	32.3	99 000
8.5	78.1	32.2	86 600
9.0	77.1	32.0	76 300
10.0	75.1	31.8	60 400
11.0	73.2	31.5	48 600
12.0	71.2	31.1	39 300
13.0	69.2	30.7	31 900
14.0	67.1	30.3	25 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	114 500 *
7.0	81.8	35.6	112 900 *
7.5	80.9	35.5	109 000
8.0	80.0	35.4	100 700
8.5	79.2	35.3	88 100
9.0	78.3	35.2	77 600
10.0	76.5	34.9	61 700
11.0	74.8	34.7	49 800
12.0	73.0	34.3	40 500
13.0	71.2	34.0	33 100
14.0	69.3	33.6	27 000
15.0	67.5	33.2	22 000
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	112 200 *
7.0	82.5	38.7	110 700 *
7.5	81.7	38.6	107 700
8.0	80.9	38.5	102 100
8.5	80.1	38.4	89 500
9.0	79.3	38.3	78 900
10.0	77.7	38.1	62 900
11.0	76.1	37.8	50 900
12.0	74.4	37.5	41 500
13.0	72.8	37.2	34 100
14.0	71.1	36.9	28 000
15.0	69.5	36.5	23 000
16.0	67.8	36.1	18 700
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	103 100 *
7.5	82.3	41.7	102 400 *
8.0	81.6	41.6	99 600
8.5	80.9	41.5	90 300
9.0	80.1	41.4	80 200
10.0	78.6	41.2	63 800
11.0	77.2	41.0	51 800
12.0	75.7	40.7	42 400
13.0	74.2	40.4	35 000
14.0	72.6	40.1	28 900
15.0	71.1	39.8	23 800
16.0	69.6	39.4	19 500
18.0	66.4	38.5	12 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	97 800 *
8.0	82.2	44.7	96 900
8.5	81.5	44.6	90 700
9.0	80.8	44.5	81 400
10.0	79.5	44.3	64 600
11.0	78.1	44.1	52 600
12.0	76.7	43.9	43 200
13.0	75.3	43.6	35 700
14.0	73.9	43.3	29 600
15.0	72.5	43.0	24 500
16.0	71.1	42.6	20 200
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	88 900 *
8.0	82.7	47.7	88 600 *
8.5	82.1	47.7	86 400 *
9.0	81.4	47.6	81 000
10.0	80.2	47.4	65 300
11.0	78.9	47.2	53 200
12.0	77.6	47.0	43 800
13.0	76.3	46.7	36 300
14.0	75.0	46.5	30 100
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	82 700 *
9.0	82.0	50.7	80 200
10.0	80.8	50.5	65 900
11.0	79.6	50.3	53 700
12.0	78.4	50.1	44 300
13.0	77.2	49.9	36 800
14.0	76.0	49.6	30 600
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	75 400 *
9.0	82.5	53.8	73 800 *
10.0	81.3	53.6	67 200
11.0	80.2	53.4	54 200
12.0	79.1	53.2	44 700
13.0	78.0	53.0	37 200
14.0	76.8	52.8	31 000
15.0	75.7	52.5	25 900



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 2**

Boom No. 82

Luffing Jib No. 149

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Meets
ANSI B30.5
Requirements

64.0m (210 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	155 400 *
5.5	82.2	26.6	152 600 *
6.0	81.0	26.5	140 900 *
6.5	79.8	26.4	127 900 *
7.0	78.6	26.3	117 000 *
7.5	77.4	26.1	106 000
8.0	76.2	26.0	91 400
8.5	75.0	25.9	79 500
9.0	73.8	25.7	69 500
10.0	71.3	25.4	54 000
11.0	68.8	25.0	42 400
12.0	66.2	24.5	33 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	147 300 *
6.0	82.0	29.6	141 500 *
6.5	81.0	29.5	128 800 *
7.0	79.9	29.4	117 900 *
7.5	78.9	29.3	107 400
8.0	77.8	29.2	94 000
8.5	76.7	29.0	81 900
9.0	75.6	28.9	71 800
10.0	73.4	28.6	56 200
11.0	71.2	28.2	44 500
12.0	69.0	27.8	35 400
13.0	66.7	27.4	28 200
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	124 700 *
6.5	81.9	32.6	122 000 *
7.0	80.9	32.5	117 300 *
7.5	80.0	32.4	109 000
8.0	79.0	32.3	96 100
8.5	78.1	32.2	83 900
9.0	77.1	32.0	73 800
10.0	75.1	31.8	58 000
11.0	73.2	31.5	46 300
12.0	71.2	31.1	37 200
13.0	69.2	30.7	29 900
14.0	67.1	30.3	23 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	112 600 *
7.0	81.8	35.6	110 900 *
7.5	80.9	35.5	106 800
8.0	80.0	35.4	97 900
8.5	79.2	35.3	85 600
9.0	78.3	35.2	75 200
10.0	76.5	34.9	59 400
11.0	74.8	34.7	47 700
12.0	73.0	34.3	38 400
13.0	71.2	34.0	31 100
14.0	69.3	33.6	25 100
15.0	67.5	33.2	20 200
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	110 500 *
7.0	82.5	38.7	109 000 *
7.5	81.7	38.6	105 700
8.0	80.9	38.5	99 400
8.5	80.1	38.4	87 000
9.0	79.3	38.3	76 500
10.0	77.7	38.1	60 700
11.0	76.1	37.8	48 800
12.0	74.4	37.5	39 600
13.0	72.8	37.2	32 300
14.0	71.1	36.9	26 200
15.0	69.5	36.5	21 200
16.0	67.8	36.1	17 000
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	101 600 *
7.5	82.3	41.7	100 800 *
8.0	81.6	41.6	98 000
8.5	80.9	41.5	87 900
9.0	80.1	41.4	77 900
10.0	78.6	41.2	61 700
11.0	77.2	41.0	49 800
12.0	75.7	40.7	40 600
13.0	74.2	40.4	33 200
14.0	72.6	40.1	27 100
15.0	71.1	39.8	22 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	96 300 *
8.0	82.2	44.7	95 300
8.5	81.5	44.6	88 500
9.0	80.8	44.5	79 100
10.0	79.5	44.3	62 600
11.0	78.1	44.1	50 600
12.0	76.7	43.9	41 400
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	87 900 *
8.0	82.7	47.7	87 600 *
8.5	82.1	47.7	85 400 *
9.0	81.4	47.6	79 200
10.0	80.2	47.4	63 300
11.0	78.9	47.2	51 300
12.0	77.6	47.0	42 000
13.0	76.3	46.7	34 600
14.0	75.0	46.5	28 500
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	81 600 *
9.0	82.0	50.7	78 300
10.0	80.8	50.5	63 900
11.0	79.6	50.3	51 900
12.0	78.4	50.1	42 600
13.0	77.2	49.9	35 100
14.0	76.0	49.6	29 000
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	74 300 *
9.0	82.5	53.8	72 700 *
10.0	81.3	53.6	65 100



Liftcrane Boom Capacities With Luffing Jib Attached

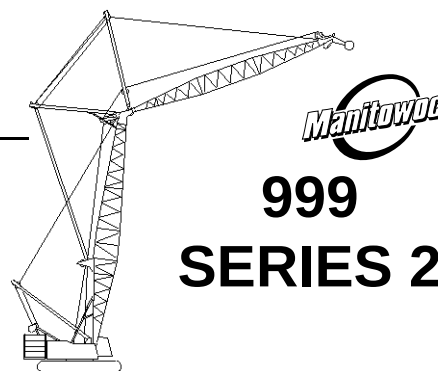
Boom No. 82
Luffing Jib No. 149
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
 ANSI B30.5
 Requirements

67.1m (220 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	152 200 *
5.5	82.2	26.6	149 400 *
6.0	81.0	26.5	138 700 *
6.5	79.8	26.4	125 700 *
7.0	78.6	26.3	114 800
7.5	77.4	26.1	103 600
8.0	76.2	26.0	87 900
8.5	75.0	25.9	76 200
9.0	73.8	25.7	66 300
10.0	71.3	25.4	51 000
11.0	68.8	25.0	39 500
12.0	66.2	24.5	30 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	145 100 *
6.0	82.0	29.6	139 300 *
6.5	81.0	29.5	126 700 *
7.0	79.9	29.4	115 800 *
7.5	78.9	29.3	105 000
8.0	77.8	29.2	90 600
8.5	76.7	29.0	78 800
9.0	75.6	28.9	68 800
10.0	73.4	28.6	53 400
11.0	71.2	28.2	41 900
12.0	69.0	27.8	32 900
13.0	66.7	27.4	25 700
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	122 000 *
6.5	81.9	32.6	119 200 *
7.0	80.9	32.5	114 700 *
7.5	80.0	32.4	106 800
8.0	79.0	32.3	92 900
8.5	78.1	32.2	80 900
9.0	77.1	32.0	70 900
10.0	75.1	31.8	55 400
11.0	73.2	31.5	43 800
12.0	71.2	31.1	34 700
13.0	69.2	30.7	27 600
14.0	67.1	30.3	21 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	110 000 *
7.0	81.8	35.6	108 300 *
7.5	80.9	35.5	104 100
8.0	80.0	35.4	94 900
8.5	79.2	35.3	82 700
9.0	78.3	35.2	72 500
10.0	76.5	34.9	56 900
11.0	74.8	34.7	45 200
12.0	73.0	34.3	36 200
13.0	71.2	34.0	28 900
14.0	69.3	33.6	23 000
15.0	67.5	33.2	18 100
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	108 100 *
7.0	82.5	38.7	106 600 *
7.5	81.7	38.6	103 300
8.0	80.9	38.5	96 500
8.5	80.1	38.4	84 200
9.0	79.3	38.3	73 900
10.0	77.7	38.1	58 200
11.0	76.1	37.8	46 500
12.0	74.4	37.5	37 400
13.0	72.8	37.2	30 200
14.0	71.1	36.9	24 200
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	99 400 *
7.5	82.3	41.7	98 600 *
8.0	81.6	41.6	95 700
8.5	80.9	41.5	85 300
9.0	80.1	41.4	75 200
10.0	78.6	41.2	59 300
11.0	77.2	41.0	47 600
12.0	75.7	40.7	38 400
13.0	74.2	40.4	31 100
14.0	72.6	40.1	25 200
15.0	71.1	39.8	20 200
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	94 300 *
8.0	82.2	44.7	93 200
8.5	81.5	44.6	85 900
9.0	80.8	44.5	76 600
10.0	79.5	44.3	60 300
11.0	78.1	44.1	48 500
12.0	76.7	43.9	39 300



Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82

Luffing Jib No. 149

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

Meets
ANSI B30.5
Requirements

70.1m (230 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	149 500 *
5.5	82.2	26.6	146 600 *
6.0	81.0	26.5	136 900 *
6.5	79.8	26.4	123 900 *
7.0	78.6	26.3	112 400
7.5	77.4	26.1	100 300
8.0	76.2	26.0	85 000
8.5	75.0	25.9	73 400
9.0	73.8	25.7	63 700
10.0	71.3	25.4	48 500
11.0	68.8	25.0	37 200
12.0	66.2	24.5	28 400
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	143 200 *
6.0	82.0	29.6	137 500 *
6.5	81.0	29.5	124 900 *
7.0	79.9	29.4	114 100 *
7.5	78.9	29.3	103 100
8.0	77.8	29.2	87 800
8.5	76.7	29.0	76 100
9.0	75.6	28.9	66 300
10.0	73.4	28.6	51 100
11.0	71.2	28.2	39 600
12.0	69.0	27.8	30 800
13.0	66.7	27.4	23 700
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	119 500 *
6.5	81.9	32.6	116 800 *
7.0	80.9	32.5	112 600 *
7.5	80.0	32.4	105 100
8.0	79.0	32.3	90 100
8.5	78.1	32.2	78 400
9.0	77.1	32.0	68 500
10.0	75.1	31.8	53 200
11.0	73.2	31.5	41 700
12.0	71.2	31.1	32 800
13.0	69.2	30.7	25 700
14.0	67.1	30.3	19 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	107 800 *
7.0	81.8	35.6	106 100 *
7.5	80.9	35.5	101 800
8.0	80.0	35.4	92 300
8.5	79.2	35.3	80 300
9.0	78.3	35.2	70 200
10.0	76.5	34.9	54 700
11.0	74.8	34.7	43 300
12.0	73.0	34.3	34 300
13.0	71.2	34.0	27 100
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	106 100 *
7.0	82.5	38.7	104 600 *
7.5	81.7	38.6	101 100
8.0	80.9	38.5	94 000
8.5	80.1	38.4	81 800
9.0	79.3	38.3	71 600
10.0	77.7	38.1	56 200
11.0	76.1	37.8	44 600
12.0	74.4	37.5	35 600
13.0	72.8	37.2	28 400
14.0	71.1	36.9	22 600
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	97 600 *
7.5	82.3	41.7	96 700 *
8.0	81.6	41.6	93 800
8.5	80.9	41.5	83 100
9.0	80.1	41.4	73 000
10.0	78.6	41.2	57 400
11.0	77.2	41.0	45 800
12.0	75.7	40.7	36 700



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

73.2m (240 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	146 100 *
5.5	82.2	26.6	143 200 *
6.0	81.0	26.5	134 700 *
6.5	79.8	26.4	121 500 *
7.0	78.6	26.3	109 600
7.5	77.4	26.1	96 300
8.0	76.2	26.0	81 400
8.5	75.0	25.9	69 900
9.0	73.8	25.7	60 400
10.0	71.3	25.4	45 400
11.0	68.8	25.0	34 200
12.0	66.2	24.5	25 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	140 900 *
6.0	82.0	29.6	135 200 *
6.5	81.0	29.5	122 700 *
7.0	79.9	29.4	111 500
7.5	78.9	29.3	99 600
8.0	77.8	29.2	84 400
8.5	76.7	29.0	72 800
9.0	75.6	28.9	63 200
10.0	73.4	28.6	48 100
11.0	71.2	28.2	36 900
12.0	69.0	27.8	28 100
13.0	66.7	27.4	21 200
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	116 600 *
6.5	81.9	32.6	113 800 *
7.0	80.9	32.5	109 900 *
7.5	80.0	32.4	102 800
8.0	79.0	32.3	86 800
8.5	78.1	32.2	75 200
9.0	77.1	32.0	65 500
10.0	75.1	31.8	50 400
11.0	73.2	31.5	39 100
12.0	71.2	31.1	30 300
13.0	69.2	30.7	23 300
14.0	67.1	30.3	17 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	105 100 *
7.0	81.8	35.6	103 300 *
7.5	80.9	35.5	99 000
8.0	80.0	35.4	89 100
8.5	79.2	35.3	77 200
9.0	78.3	35.2	67 300
10.0	76.5	34.9	52 100
11.0	74.8	34.7	40 700
12.0	73.0	34.3	31 900
13.0	71.2	34.0	24 800
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	103 600 *
7.0	82.5	38.7	102 100 *
7.5	81.7	38.6	98 500
8.0	80.9	38.5	90 900
8.5	80.1	38.4	78 900
9.0	79.3	38.3	68 900
10.0	77.7	38.1	53 600
11.0	76.1	37.8	42 200