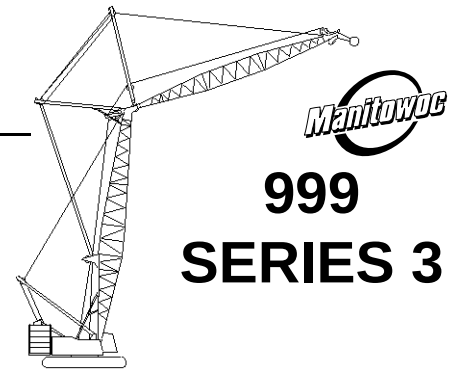




Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82
Luffing Jib No. 149
99 610 kg Crane Counterweight
36 290 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.

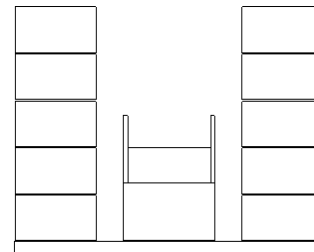
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

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, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

Consult chart **No. 8419-AM** for main luffing jib capacities. Consult chart **No. 8348-AM** for intermediate fall capacities.

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

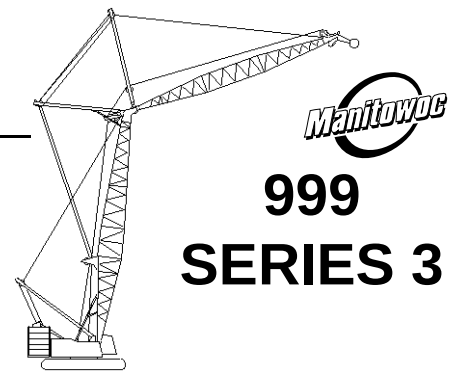
Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
21.3	140 Degrees
24.4 - 27.4	150 Degrees
30.5 - 36.6	160 Degrees
39.6 - 73.2	168 Degrees



99 610 kg Crane Counterweight
10 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 3**

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

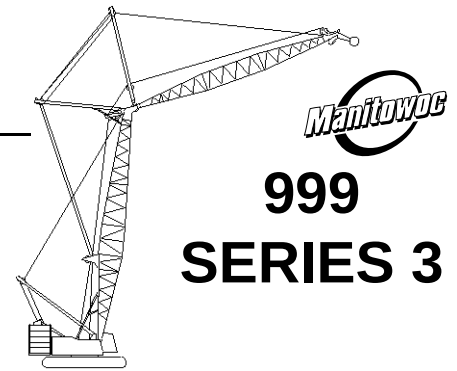
Meets
ANSI B30.5
Requirements

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	185 400 *
5.5	82.2	26.6	179 300 *
6.0	81.0	26.5	164 100 *
6.5	79.8	26.4	151 100 *
7.0	78.6	26.3	139 900 *
7.5	77.4	26.1	130 100 *
8.0	76.2	26.0	121 400 *
8.5	75.0	25.9	113 700 *
9.0	73.8	25.7	106 700 *
10.0	71.3	25.4	94 700
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	170 000 *
6.0	82.0	29.6	164 100 *
6.5	81.0	29.5	151 100 *
7.0	79.9	29.4	139 900 *
7.5	78.9	29.3	130 000 *
8.0	77.8	29.2	121 400 *
8.5	76.7	29.0	113 600 *
9.0	75.6	28.9	106 700 *
10.0	73.4	28.6	94 800 *
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	151 000 *
6.5	81.9	32.6	148 000 *
7.0	80.9	32.5	141 300 *
7.5	80.0	32.4	130 200 *
8.0	79.0	32.3	121 500 *
8.5	78.1	32.2	113 800 *
9.0	77.1	32.0	106 900 *
10.0	75.1	31.8	95 000 *
11.0	73.2	31.5	82 600
12.0	71.2	31.1	71 200
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	136 900 *
7.0	81.8	35.6	135 300 *
7.5	80.9	35.5	131 000 *
8.0	80.0	35.4	121 400 *
8.5	79.2	35.3	113 600 *
9.0	78.3	35.2	106 700 *
10.0	76.5	34.9	94 800 *
11.0	74.8	34.7	82 800
12.0	73.0	34.3	71 400
13.0	71.2	34.0	62 300

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	131 300 *
7.5	81.7	38.6	128 200 *
8.0	80.9	38.5	121 600 *
8.5	80.1	38.4	113 800 *
9.0	79.3	38.3	106 700 *
10.0	77.7	38.1	94 800 *
11.0	76.1	37.8	83 100
12.0	74.4	37.5	71 600
13.0	72.8	37.2	62 500
14.0	71.1	36.9	55 000
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	116 500 *
8.5	80.9	41.5	113 300 *
9.0	80.1	41.4	107 200 *
10.0	78.6	41.2	94 800 *
11.0	77.2	41.0	83 300
12.0	75.7	40.7	71 800
13.0	74.2	40.4	62 600
14.0	72.6	40.1	55 100
15.0	71.1	39.8	48 900
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	113 900 *
8.0	82.2	44.7	113 500 *
8.5	81.5	44.6	110 800 *
9.0	80.8	44.5	106 400 *
10.0	79.5	44.3	94 800 *
11.0	78.1	44.1	83 400
12.0	76.7	43.9	71 900
13.0	75.3	43.6	62 700
14.0	73.9	43.3	55 200
15.0	72.5	43.0	49 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	97 300 *
10.0	80.2	47.4	92 700 *
11.0	78.9	47.2	83 500
12.0	77.6	47.0	71 900
13.0	76.3	46.7	62 700
14.0	75.0	46.5	55 200
15.0	73.7	46.2	49 000
16.0	72.4	45.9	43 600
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	89 800 *
11.0	79.6	50.3	81 600
12.0	78.4	50.1	72 200
13.0	77.2	49.9	62 800
14.0	76.0	49.6	55 200
15.0	74.8	49.4	49 000
16.0	73.5	49.1	43 600
18.0	71.1	48.4	35 200
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	83 300 *
11.0	80.2	53.4	79 900 *
12.0	79.1	53.2	71 500
13.0	78.0	53.0	62 800
14.0	76.8	52.8	55 200
15.0	75.7	52.5	49 000
16.0	74.5	52.2	43 600
18.0	72.2	51.6	35 200



Liftcrane Boom Capacities With Luffing Jib Attached

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

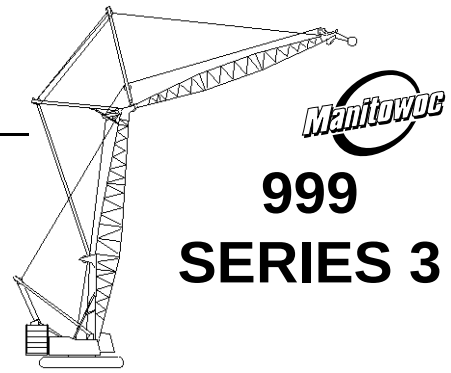
Meets
ANSI B30.5
Requirements

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
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	82 600 *
10.0	81.8	56.7	79 900 *
11.0	80.8	56.5	76 800 *
12.0	79.7	56.3	70 100 *
13.0	78.6	56.1	62 900
14.0	77.6	55.9	55 200
15.0	76.5	55.7	48 900
16.0	75.4	55.4	43 600
18.0	73.2	54.8	35 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	53 500 *
15.0	77.2	58.8	49 100
16.0	76.2	58.6	43 500
18.0	74.2	58.0	35 000
20.0	72.1	57.4	28 500

REFLECT ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

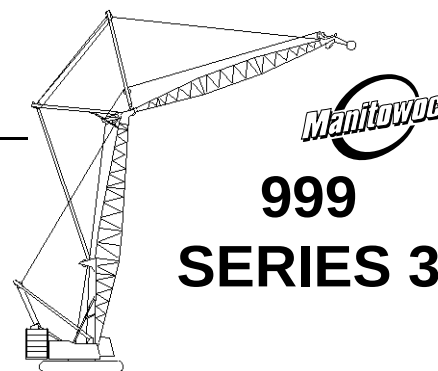
**Meets
ANSI B30.5
Requirements**

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	183 600 *
5.5	82.2	26.6	179 400 *
6.0	81.0	26.5	164 000 *
6.5	79.8	26.4	151 000 *
7.0	78.6	26.3	139 700 *
7.5	77.4	26.1	129 800 *
8.0	76.2	26.0	121 000 *
8.5	75.0	25.9	113 200 *
9.0	73.8	25.7	106 200 *
10.0	71.3	25.4	94 100
11.0	68.8	25.0	81 000
12.0	66.2	24.5	69 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	170 100 *
6.0	82.0	29.6	164 100 *
6.5	81.0	29.5	151 000 *
7.0	79.9	29.4	139 700 *
7.5	78.9	29.3	129 800 *
8.0	77.8	29.2	121 000 *
8.5	76.7	29.0	113 300 *
9.0	75.6	28.9	106 300 *
10.0	73.4	28.6	94 300 *
11.0	71.2	28.2	81 600
12.0	69.0	27.8	70 100
13.0	66.7	27.4	61 000
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	149 500 *
6.5	81.9	32.6	147 200 *
7.0	80.9	32.5	141 100 *
7.5	80.0	32.4	130 000 *
8.0	79.0	32.3	121 300 *
8.5	78.1	32.2	113 500 *
9.0	77.1	32.0	106 500 *
10.0	75.1	31.8	94 500 *
11.0	73.2	31.5	82 100
12.0	71.2	31.1	70 600
13.0	69.2	30.7	61 500
14.0	67.1	30.3	54 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	135 500 *
7.0	81.8	35.6	134 000 *
7.5	80.9	35.5	130 100 *
8.0	80.0	35.4	121 200 *
8.5	79.2	35.3	113 400 *
9.0	78.3	35.2	106 400 *
10.0	76.5	34.9	94 400 *
11.0	74.8	34.7	82 300
12.0	73.0	34.3	70 900
13.0	71.2	34.0	61 600
14.0	69.3	33.6	54 200
15.0	67.5	33.2	47 900
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	131 300 *
7.0	82.5	38.7	130 000 *
7.5	81.7	38.6	127 100 *
8.0	80.9	38.5	121 500 *
8.5	80.1	38.4	113 600 *
9.0	79.3	38.3	106 500 *
10.0	77.7	38.1	94 500 *
11.0	76.1	37.8	82 700
12.0	74.4	37.5	71 100
13.0	72.8	37.2	61 900
14.0	71.1	36.9	54 400
15.0	69.5	36.5	48 200
16.0	67.8	36.1	42 800
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	115 600 *
8.5	80.9	41.5	112 900 *
9.0	80.1	41.4	106 900 *
10.0	78.6	41.2	94 500 *
11.0	77.2	41.0	82 900
12.0	75.7	40.7	71 300
13.0	74.2	40.4	62 100
14.0	72.6	40.1	54 600
15.0	71.1	39.8	48 300
16.0	69.6	39.4	42 900
18.0	66.4	38.5	34 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	113 000 *
8.0	82.2	44.7	112 600 *
8.5	81.5	44.6	109 900 *
9.0	80.8	44.5	106 000 *
10.0	79.5	44.3	94 500 *
11.0	78.1	44.1	83 100
12.0	76.7	43.9	71 500
13.0	75.3	43.6	62 300
14.0	73.9	43.3	54 700
15.0	72.5	43.0	48 500
16.0	71.1	42.6	43 100
18.0	68.2	41.9	34 600
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	96 400 *
10.0	80.2	47.4	91 900 *
11.0	78.9	47.2	83 200
12.0	77.6	47.0	71 600
13.0	76.3	46.7	62 300
14.0	75.0	46.5	54 800
15.0	73.7	46.2	48 500
16.0	72.4	45.9	43 100
18.0	69.7	45.1	34 600
20.0	67.0	44.3	28 100
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	89 100 *
11.0	79.6	50.3	81 300 *
12.0	78.4	50.1	71 900
13.0	77.2	49.9	62 400
14.0	76.0	49.6	54 800
15.0	74.8	49.4	48 500
16.0	73.5	49.1	43 200
18.0	71.1	48.4	34 600
20.0	68.5	47.6	28 100



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

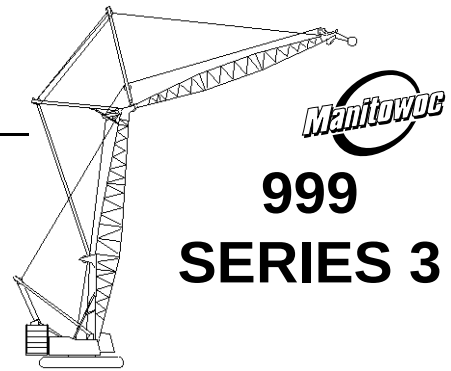
24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

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	82 400 *
11.0	80.2	53.4	79 100 *
12.0	79.1	53.2	71 200 *
13.0	78.0	53.0	62 400
14.0	76.8	52.8	54 900
15.0	75.7	52.5	48 500
16.0	74.5	52.2	43 200
18.0	72.2	51.6	34 600
20.0	69.9	50.9	28 100
22.0	67.5	50.1	22 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	81 700 *
10.0	81.8	56.7	79 100 *
11.0	80.8	56.5	75 900 *
12.0	79.7	56.3	69 800 *
13.0	78.6	56.1	62 500
14.0	77.6	55.9	54 900
15.0	76.5	55.7	48 500
16.0	75.4	55.4	43 200
18.0	73.2	54.8	34 600
20.0	71.0	54.1	28 100
22.0	68.8	53.4	22 900
24.0	66.5	52.5	18 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	53 500 *
15.0	77.2	58.8	48 600
16.0	76.2	58.6	43 100
18.0	74.2	58.0	34 500
20.0	72.1	57.4	28 000
22.0	70.0	56.7	22 800
24.0	67.8	55.9	18 600

REVIEW ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

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

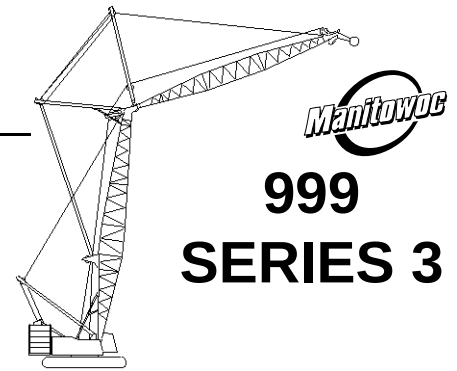
Meets
ANSI B30.5
Requirements

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	182 300 *
5.5	82.2	26.6	177 400 *
6.0	81.0	26.5	162 200 *
6.5	79.8	26.4	149 200 *
7.0	78.6	26.3	137 900 *
7.5	77.4	26.1	128 100 *
8.0	76.2	26.0	119 400 *
8.5	75.0	25.9	111 600 *
9.0	73.8	25.7	104 600 *
10.0	71.3	25.4	92 400
11.0	68.8	25.0	79 100
12.0	66.2	24.5	67 800
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	168 200 *
6.0	82.0	29.6	162 300 *
6.5	81.0	29.5	149 200 *
7.0	79.9	29.4	138 000 *
7.5	78.9	29.3	128 200 *
8.0	77.8	29.2	119 400 *
8.5	76.7	29.0	111 700 *
9.0	75.6	28.9	104 800 *
10.0	73.4	28.6	92 700
11.0	71.2	28.2	79 700
12.0	69.0	27.8	68 400
13.0	66.7	27.4	59 300
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	148 400 *
6.5	81.9	32.6	145 900 *
7.0	80.9	32.5	139 700 *
7.5	80.0	32.4	128 400 *
8.0	79.0	32.3	119 700 *
8.5	78.1	32.2	112 000 *
9.0	77.1	32.0	105 000 *
10.0	75.1	31.8	93 000
11.0	73.2	31.5	80 200
12.0	71.2	31.1	68 900
13.0	69.2	30.7	59 800
14.0	67.1	30.3	52 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	134 400 *
7.0	81.8	35.6	133 000 *
7.5	80.9	35.5	129 000 *
8.0	80.0	35.4	119 700 *
8.5	79.2	35.3	111 900 *
9.0	78.3	35.2	105 000 *
10.0	76.5	34.9	93 000 *
11.0	74.8	34.7	80 600
12.0	73.0	34.3	69 200
13.0	71.2	34.0	60 100
14.0	69.3	33.6	52 700
15.0	67.5	33.2	46 500
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	130 400 *
7.0	82.5	38.7	129 000 *
7.5	81.7	38.6	126 000 *
8.0	80.9	38.5	120 000 *
8.5	80.1	38.4	112 100 *
9.0	79.3	38.3	105 000 *
10.0	77.7	38.1	93 200 *
11.0	76.1	37.8	80 900
12.0	74.4	37.5	69 500
13.0	72.8	37.2	60 400
14.0	71.1	36.9	53 000
15.0	69.5	36.5	46 800
16.0	67.8	36.1	41 500
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	115 000 *
8.5	80.9	41.5	111 700 *
9.0	80.1	41.4	105 500 *
10.0	78.6	41.2	93 200 *
11.0	77.2	41.0	81 200
12.0	75.7	40.7	69 800
13.0	74.2	40.4	60 600
14.0	72.6	40.1	53 200
15.0	71.1	39.8	47 000
16.0	69.6	39.4	41 700
18.0	66.4	38.5	33 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	112 400 *
8.0	82.2	44.7	112 000 *
8.5	81.5	44.6	109 200 *
9.0	80.8	44.5	104 800 *
10.0	79.5	44.3	93 200 *
11.0	78.1	44.1	81 400
12.0	76.7	43.9	70 000
13.0	75.3	43.6	60 800
14.0	73.9	43.3	53 300
15.0	72.5	43.0	47 100
16.0	71.1	42.6	41 900
18.0	68.2	41.9	33 400
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	95 800 *
10.0	80.2	47.4	90 900 *
11.0	78.9	47.2	81 300
12.0	77.6	47.0	70 100
13.0	76.3	46.7	60 900
14.0	75.0	46.5	53 400
15.0	73.7	46.2	47 200
16.0	72.4	45.9	41 800
18.0	69.7	45.1	33 400
20.0	67.0	44.3	27 000
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	88 100 *
11.0	79.6	50.3	79 400 *
12.0	78.4	50.1	70 300
13.0	77.2	49.9	61 000
14.0	76.0	49.6	53 500
15.0	74.8	49.4	47 200
16.0	73.5	49.1	41 900
18.0	71.1	48.4	33 500
20.0	68.5	47.6	27 100



999 SERIES 3

Boom No. 82
Luffing Jib No. 149
99 610 kg Crane Counterweight
36 290 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	81 800 *
11.0	80.2	53.4	77 700 *
12.0	79.1	53.2	69 400 *
13.0	78.0	53.0	61 100
14.0	76.8	52.8	53 500
15.0	75.7	52.5	47 300
16.0	74.5	52.2	42 000
18.0	72.2	51.6	33 500
20.0	69.9	50.9	27 100
22.0	67.5	50.1	22 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	81 200 *
10.0	81.8	56.7	78 500 *
11.0	80.8	56.5	75 300 *
12.0	79.7	56.3	67 900 *
13.0	78.6	56.1	60 900
14.0	77.6	55.9	53 600
15.0	76.5	55.7	47 300
16.0	75.4	55.4	42 000
18.0	73.2	54.8	33 500
20.0	71.0	54.1	27 100
22.0	68.8	53.4	22 000
24.0	66.5	52.5	17 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	52 600 *
15.0	77.2	58.8	47 400
16.0	76.2	58.6	41 900
18.0	74.2	58.0	33 400
20.0	72.1	57.4	27 000
22.0	70.0	56.7	21 800
24.0	67.8	55.9	17 700

REVIEW ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

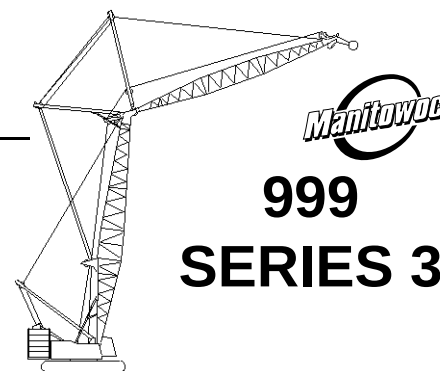
Meets
ANSI B30.5
Requirements

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
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	180 300 *
5.5	82.2	26.6	177 900 *
6.0	81.0	26.5	163 400 *
6.5	79.8	26.4	150 100 *
7.0	78.6	26.3	138 700 *
7.5	77.4	26.1	128 600 *
8.0	76.2	26.0	119 800 *
8.5	75.0	25.9	111 900 *
9.0	73.8	25.7	104 900 *
10.0	71.3	25.4	92 500
11.0	68.8	25.0	79 100
12.0	66.2	24.5	67 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	169 500 *
6.0	82.0	29.6	163 500 *
6.5	81.0	29.5	150 200 *
7.0	79.9	29.4	138 800 *
7.5	78.9	29.3	128 800 *
8.0	77.8	29.2	120 000 *
8.5	76.7	29.0	112 100 *
9.0	75.6	28.9	105 100 *
10.0	73.4	28.6	92 900
11.0	71.2	28.2	79 800
12.0	69.0	27.8	68 300
13.0	66.7	27.4	59 100
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	146 600 *
6.5	81.9	32.6	144 200 *
7.0	80.9	32.5	138 800 *
7.5	80.0	32.4	129 400 *
8.0	79.0	32.3	120 300 *
8.5	78.1	32.2	112 400 *
9.0	77.1	32.0	105 400 *
10.0	75.1	31.8	93 300 *
11.0	73.2	31.5	80 600
12.0	71.2	31.1	69 000
13.0	69.2	30.7	59 800
14.0	67.1	30.3	52 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	132 800 *
7.0	81.8	35.6	131 200 *
7.5	80.9	35.5	127 700 *
8.0	80.0	35.4	120 500 *
8.5	79.2	35.3	112 500 *
9.0	78.3	35.2	105 400 *
10.0	76.5	34.9	93 300 *
11.0	74.8	34.7	81 000
12.0	73.0	34.3	69 400
13.0	71.2	34.0	60 100
14.0	69.3	33.6	52 600
15.0	67.5	33.2	46 300
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	124 900 *
8.0	80.9	38.5	120 800 *
8.5	80.1	38.4	112 800 *
9.0	79.3	38.3	105 600 *
10.0	77.7	38.1	93 500 *
11.0	76.1	37.8	81 400
12.0	74.4	37.5	69 800
13.0	72.8	37.2	60 500
14.0	71.1	36.9	52 900
15.0	69.5	36.5	46 600
16.0	67.8	36.1	41 300
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	114 100 *
8.5	80.9	41.5	111 200 *
9.0	80.1	41.4	105 800 *
10.0	78.6	41.2	93 600 *
11.0	77.2	41.0	81 800
12.0	75.7	40.7	70 100
13.0	74.2	40.4	60 900
14.0	72.6	40.1	53 300
15.0	71.1	39.8	46 900
16.0	69.6	39.4	41 500
18.0	66.4	38.5	33 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	111 400 *
8.0	82.2	44.7	110 900 *
8.5	81.5	44.6	108 200 *
9.0	80.8	44.5	104 900 *
10.0	79.5	44.3	93 600 *
11.0	78.1	44.1	82 100
12.0	76.7	43.9	70 400
13.0	75.3	43.6	61 100
14.0	73.9	43.3	53 500
15.0	72.5	43.0	47 200
16.0	71.1	42.6	41 800
18.0	68.2	41.9	33 200
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	94 800 *
10.0	80.2	47.4	90 500 *
11.0	78.9	47.2	81 900
12.0	77.6	47.0	70 500
13.0	76.3	46.7	61 200
14.0	75.0	46.5	53 600
15.0	73.7	46.2	47 200
16.0	72.4	45.9	41 800
18.0	69.7	45.1	33 300
20.0	67.0	44.3	26 700
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	87 500 *
11.0	79.6	50.3	80 100 *
12.0	78.4	50.1	70 800
13.0	77.2	49.9	61 300
14.0	76.0	49.6	53 700
15.0	74.8	49.4	47 400
16.0	73.5	49.1	42 000
18.0	71.1	48.4	33 400
20.0	68.5	47.6	26 800



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

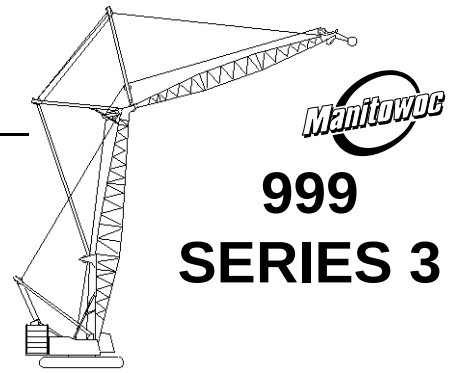
30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

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	80 800 *
11.0	80.2	53.4	77 600 *
12.0	79.1	53.2	70 100 *
13.0	78.0	53.0	61 500
14.0	76.8	52.8	53 800
15.0	75.7	52.5	47 400
16.0	74.5	52.2	42 000
18.0	72.2	51.6	33 400
20.0	69.9	50.9	26 900
22.0	67.5	50.1	21 700

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	77 400 *
11.0	80.8	56.5	74 300 *
12.0	79.7	56.3	68 700 *
13.0	78.6	56.1	61 300
14.0	77.6	55.9	53 900
15.0	76.5	55.7	47 500
16.0	75.4	55.4	42 100
18.0	73.2	54.8	33 500
20.0	71.0	54.1	26 900
22.0	68.8	53.4	21 700
24.0	66.5	52.5	17 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	52 900 *
15.0	77.2	58.8	47 600
16.0	76.2	58.6	42 100
18.0	74.2	58.0	33 400
20.0	72.1	57.4	26 800
22.0	70.0	56.7	21 600
24.0	67.8	55.9	17 400

REVIEW ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

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

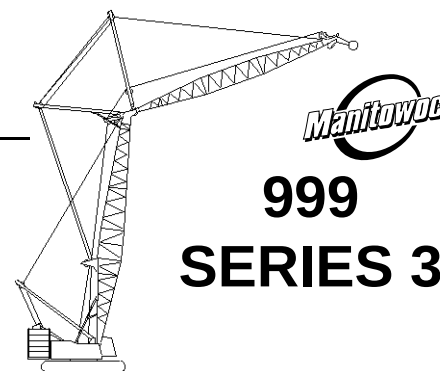
Meets
ANSI B30.5
Requirements

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
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	178 700 *
5.5	82.2	26.6	176 300 *
6.0	81.0	26.5	162 100 *
6.5	79.8	26.4	148 900 *
7.0	78.6	26.3	137 500 *
7.5	77.4	26.1	127 500 *
8.0	76.2	26.0	118 700 *
8.5	75.0	25.9	110 800 *
9.0	73.8	25.7	103 800 *
10.0	71.3	25.4	91 300
11.0	68.8	25.0	77 700
12.0	66.2	24.5	66 300
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	168 200 *
6.0	82.0	29.6	162 200 *
6.5	81.0	29.5	149 000 *
7.0	79.9	29.4	137 700 *
7.5	78.9	29.3	127 700 *
8.0	77.8	29.2	118 900 *
8.5	76.7	29.0	111 000 *
9.0	75.6	28.9	104 000 *
10.0	73.4	28.6	91 700
11.0	71.2	28.2	78 500
12.0	69.0	27.8	67 000
13.0	66.7	27.4	57 900
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	145 100 *
6.5	81.9	32.6	142 700 *
7.0	80.9	32.5	137 500 *
7.5	80.0	32.4	128 300 *
8.0	79.0	32.3	119 300 *
8.5	78.1	32.2	111 400 *
9.0	77.1	32.0	104 400 *
10.0	75.1	31.8	92 300
11.0	73.2	31.5	79 200
12.0	71.2	31.1	67 800
13.0	69.2	30.7	58 600
14.0	67.1	30.3	51 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	131 400 *
7.0	81.8	35.6	129 900 *
7.5	80.9	35.5	126 400 *
8.0	80.0	35.4	119 400 *
8.5	79.2	35.3	111 500 *
9.0	78.3	35.2	104 400 *
10.0	76.5	34.9	92 400 *
11.0	74.8	34.7	79 700
12.0	73.0	34.3	68 200
13.0	71.2	34.0	59 000
14.0	69.3	33.6	51 500
15.0	67.5	33.2	45 300
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	123 800 *
8.0	80.9	38.5	119 800 *
8.5	80.1	38.4	111 800 *
9.0	79.3	38.3	104 600 *
10.0	77.7	38.1	92 600 *
11.0	76.1	37.8	80 200
12.0	74.4	37.5	68 600
13.0	72.8	37.2	59 400
14.0	71.1	36.9	51 900
15.0	69.5	36.5	45 700
16.0	67.8	36.1	40 300
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	113 300 *
8.5	80.9	41.5	110 500 *
9.0	80.1	41.4	104 900 *
10.0	78.6	41.2	92 600 *
11.0	77.2	41.0	80 600
12.0	75.7	40.7	69 000
13.0	74.2	40.4	59 800
14.0	72.6	40.1	52 200
15.0	71.1	39.8	46 000
16.0	69.6	39.4	40 600
18.0	66.4	38.5	32 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	110 500 *
8.0	82.2	44.7	110 100 *
8.5	81.5	44.6	107 400 *
9.0	80.8	44.5	104 000 *
10.0	79.5	44.3	92 800 *
11.0	78.1	44.1	80 900
12.0	76.7	43.9	69 300
13.0	75.3	43.6	60 000
14.0	73.9	43.3	52 500
15.0	72.5	43.0	46 200
16.0	71.1	42.6	40 900
18.0	68.2	41.9	32 400
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	94 000 *
10.0	80.2	47.4	89 500 *
11.0	78.9	47.2	80 600
12.0	77.6	47.0	69 500
13.0	76.3	46.7	60 200
14.0	75.0	46.5	52 600
15.0	73.7	46.2	46 300
16.0	72.4	45.9	40 900
18.0	69.7	45.1	32 400
20.0	67.0	44.3	25 900
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	86 600 *
11.0	79.6	50.3	78 800 *
12.0	78.4	50.1	69 600
13.0	77.2	49.9	60 300
14.0	76.0	49.6	52 800
15.0	74.8	49.4	46 400
16.0	73.5	49.1	41 100
18.0	71.1	48.4	32 500
20.0	68.5	47.6	26 100



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82
Luffing Jib No. 149
99 610 kg Crane Counterweight
36 290 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	80 100 *
11.0	80.2	53.4	76 800 *
12.0	79.1	53.2	68 800 *
13.0	78.0	53.0	60 500
14.0	76.8	52.8	52 900
15.0	75.7	52.5	46 600
16.0	74.5	52.2	41 200
18.0	72.2	51.6	32 600
20.0	69.9	50.9	26 100
22.0	67.5	50.1	20 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	79 400 *
10.0	81.8	56.7	76 700 *
11.0	80.8	56.5	73 500 *
12.0	79.7	56.3	67 400 *
13.0	78.6	56.1	60 200
14.0	77.6	55.9	53 000
15.0	76.5	55.7	46 600
16.0	75.4	55.4	41 200
18.0	73.2	54.8	32 700
20.0	71.0	54.1	26 200
22.0	68.8	53.4	21 000
24.0	66.5	52.5	16 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	51 900 *
15.0	77.2	58.8	46 700
16.0	76.2	58.6	41 200
18.0	74.2	58.0	32 600
20.0	72.1	57.4	26 100
22.0	70.0	56.7	20 900
24.0	67.8	55.9	16 800

REVIEW ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

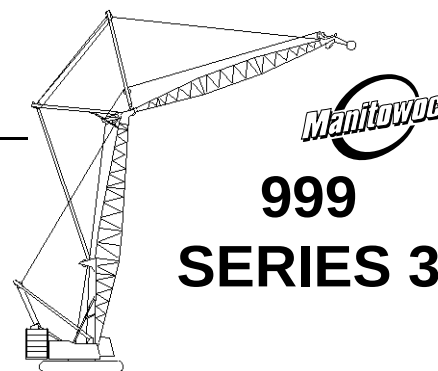
Meets
ANSI B30.5
Requirements

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	173 800 *
6.0	81.0	26.5	160 000 *
6.5	79.8	26.4	146 700 *
7.0	78.6	26.3	135 400 *
7.5	77.4	26.1	125 400 *
8.0	76.2	26.0	116 700 *
8.5	75.0	25.9	108 900 *
9.0	73.8	25.7	101 800 *
10.0	71.3	25.4	89 300
11.0	68.8	25.0	75 200
12.0	66.2	24.5	64 000
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	166 100 *
6.0	82.0	29.6	160 100 *
6.5	81.0	29.5	147 000 *
7.0	79.9	29.4	135 600 *
7.5	78.9	29.3	125 700 *
8.0	77.8	29.2	117 000 *
8.5	76.7	29.0	109 200 *
9.0	75.6	28.9	102 200 *
10.0	73.4	28.6	89 800
11.0	71.2	28.2	76 200
12.0	69.0	27.8	64 800
13.0	66.7	27.4	55 800
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	142 900 *
6.5	81.9	32.6	140 500 *
7.0	80.9	32.5	135 400 *
7.5	80.0	32.4	126 500 *
8.0	79.0	32.3	117 400 *
8.5	78.1	32.2	109 600 *
9.0	77.1	32.0	102 600 *
10.0	75.1	31.8	90 300
11.0	73.2	31.5	77 000
12.0	71.2	31.1	65 700
13.0	69.2	30.7	56 600
14.0	67.1	30.3	49 200

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	127 800 *
7.5	80.9	35.5	124 300 *
8.0	80.0	35.4	117 600 *
8.5	79.2	35.3	109 700 *
9.0	78.3	35.2	102 600 *
10.0	76.5	34.9	90 600
11.0	74.8	34.7	77 500
12.0	73.0	34.3	66 100
13.0	71.2	34.0	57 100
14.0	69.3	33.6	49 600
15.0	67.5	33.2	43 400
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	121 900 *
8.0	80.9	38.5	118 000 *
8.5	80.1	38.4	110 000 *
9.0	79.3	38.3	102 900 *
10.0	77.7	38.1	90 900
11.0	76.1	37.8	78 100
12.0	74.4	37.5	66 600
13.0	72.8	37.2	57 500
14.0	71.1	36.9	50 100
15.0	69.5	36.5	43 900
16.0	67.8	36.1	38 600
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	112 000 *
8.5	80.9	41.5	109 200 *
9.0	80.1	41.4	103 400 *
10.0	78.6	41.2	91 000 *
11.0	77.2	41.0	78 500
12.0	75.7	40.7	67 000
13.0	74.2	40.4	57 900
14.0	72.6	40.1	50 400
15.0	71.1	39.8	44 200
16.0	69.6	39.4	39 000
18.0	66.4	38.5	30 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	109 200 *
8.0	82.2	44.7	108 800 *
8.5	81.5	44.6	106 100 *
9.0	80.8	44.5	102 500 *
10.0	79.5	44.3	91 000 *
11.0	78.1	44.1	78 900
12.0	76.7	43.9	67 400
13.0	75.3	43.6	58 200
14.0	73.9	43.3	50 800
15.0	72.5	43.0	44 500
16.0	71.1	42.6	39 300
18.0	68.2	41.9	30 800
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	92 800 *
10.0	80.2	47.4	87 900 *
11.0	78.9	47.2	78 300
12.0	77.6	47.0	67 700
13.0	76.3	46.7	58 400
14.0	75.0	46.5	50 900
15.0	73.7	46.2	44 700
16.0	72.4	45.9	39 400
18.0	69.7	45.1	30 900
20.0	67.0	44.3	24 500
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	85 000 *
11.0	79.6	50.3	76 500 *
12.0	78.4	50.1	67 700
13.0	77.2	49.9	58 600
14.0	76.0	49.6	51 100
15.0	74.8	49.4	44 800
16.0	73.5	49.1	39 500
18.0	71.1	48.4	31 100
20.0	68.5	47.6	24 700



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

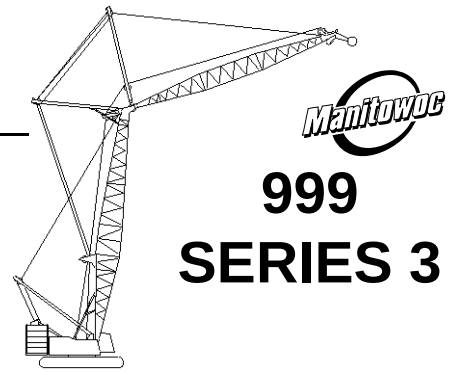
Meets
ANSI B30.5
Requirements

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
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	78 900 *
11.0	80.2	53.4	74 900 *
12.0	79.1	53.2	66 600 *
13.0	78.0	53.0	58 900
14.0	76.8	52.8	51 300
15.0	75.7	52.5	45 000
16.0	74.5	52.2	39 700
18.0	72.2	51.6	31 200
20.0	69.9	50.9	24 800
22.0	67.5	50.1	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	78 100 *
10.0	81.8	56.7	75 400 *
11.0	80.8	56.5	72 300 *
12.0	79.7	56.3	65 200 *
13.0	78.6	56.1	58 300
14.0	77.6	55.9	51 400
15.0	76.5	55.7	45 100
16.0	75.4	55.4	39 700
18.0	73.2	54.8	31 300
20.0	71.0	54.1	24 800
22.0	68.8	53.4	19 700
24.0	66.5	52.5	15 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 400 *
14.0	78.2	59.0	50 000 *
15.0	77.2	58.8	45 000
16.0	76.2	58.6	39 900
18.0	74.2	58.0	31 300
20.0	72.1	57.4	24 800
22.0	70.0	56.7	19 700
24.0	67.8	55.9	15 500



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

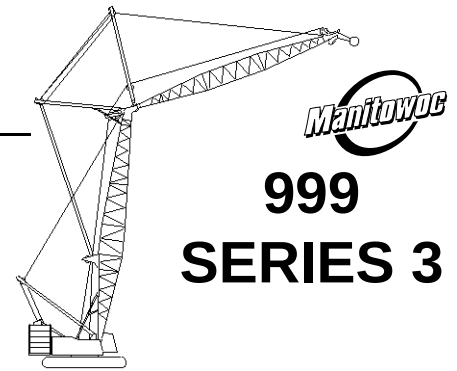
Meets
ANSI B30.5
Requirements

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
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	174 700 *
5.5	82.2	26.6	172 400 *
6.0	81.0	26.5	162 800 *
6.5	79.8	26.4	148 800 *
7.0	78.6	26.3	137 200 *
7.5	77.4	26.1	127 100 *
8.0	76.2	26.0	118 100 *
8.5	75.0	25.9	110 100 *
9.0	73.8	25.7	102 900 *
10.0	71.3	25.4	90 200
11.0	68.8	25.0	76 200
12.0	66.2	24.5	64 700
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	168 300 *
6.0	82.0	29.6	162 500 *
6.5	81.0	29.5	149 200 *
7.0	79.9	29.4	137 500 *
7.5	78.9	29.3	127 400 *
8.0	77.8	29.2	118 500 *
8.5	76.7	29.0	110 500 *
9.0	75.6	28.9	103 400 *
10.0	73.4	28.6	90 900
11.0	71.2	28.2	77 300
12.0	69.0	27.8	65 700
13.0	66.7	27.4	56 400
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	135 100 *
7.5	80.0	32.4	128 600 *
8.0	79.0	32.3	119 000 *
8.5	78.1	32.2	111 000 *
9.0	77.1	32.0	103 900 *
10.0	75.1	31.8	91 500
11.0	73.2	31.5	78 300
12.0	71.2	31.1	66 700
13.0	69.2	30.7	57 400
14.0	67.1	30.3	49 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	128 200 *
7.0	81.8	35.6	126 700 *
7.5	80.9	35.5	123 800 *
8.0	80.0	35.4	119 400 *
8.5	79.2	35.3	111 300 *
9.0	78.3	35.2	104 000 *
10.0	76.5	34.9	91 800 *
11.0	74.8	34.7	79 000
12.0	73.0	34.3	67 300
13.0	71.2	34.0	57 900
14.0	69.3	33.6	50 300
15.0	67.5	33.2	43 900
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	121 000 *
8.0	80.9	38.5	118 400 *
8.5	80.1	38.4	111 500 *
9.0	79.3	38.3	104 500 *
10.0	77.7	38.1	92 100 *
11.0	76.1	37.8	79 600
12.0	74.4	37.5	67 900
13.0	72.8	37.2	58 500
14.0	71.1	36.9	50 900
15.0	69.5	36.5	44 500
16.0	67.8	36.1	39 100
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	111 500 *
8.5	80.9	41.5	108 700 *
9.0	80.1	41.4	104 200 *
10.0	78.6	41.2	92 300 *
11.0	77.2	41.0	80 100
12.0	75.7	40.7	68 400
13.0	74.2	40.4	59 000
14.0	72.6	40.1	51 300
15.0	71.1	39.8	44 900
16.0	69.6	39.4	39 500
18.0	66.4	38.5	30 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	108 600 *
8.0	82.2	44.7	108 200 *
8.5	81.5	44.6	105 500 *
9.0	80.8	44.5	102 800 *
10.0	79.5	44.3	92 500 *
11.0	78.1	44.1	80 600
12.0	76.7	43.9	68 800
13.0	75.3	43.6	59 400
14.0	73.9	43.3	51 700
15.0	72.5	43.0	45 300
16.0	71.1	42.6	39 900
18.0	68.2	41.9	31 200
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	88 000 *
11.0	78.9	47.2	80 200
12.0	77.6	47.0	69 100
13.0	76.3	46.7	59 600
14.0	75.0	46.5	51 900
15.0	73.7	46.2	45 500
16.0	72.4	45.9	40 100
18.0	69.7	45.1	31 400
20.0	67.0	44.3	24 800
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	84 800 *
11.0	79.6	50.3	78 500 *
12.0	78.4	50.1	69 200
13.0	77.2	49.9	59 900
14.0	76.0	49.6	52 200
15.0	74.8	49.4	45 700
16.0	73.5	49.1	40 300
18.0	71.1	48.4	31 600
20.0	68.5	47.6	25 000



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

999
SERIES 3

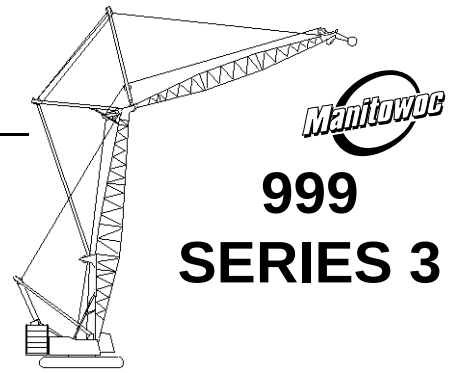
39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

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	78 300 *
11.0	80.2	53.4	75 000 *
12.0	79.1	53.2	68 500 *
13.0	78.0	53.0	60 100
14.0	76.8	52.8	52 300
15.0	75.7	52.5	45 900
16.0	74.5	52.2	40 400
18.0	72.2	51.6	31 700
20.0	69.9	50.9	25 100
22.0	67.5	50.1	19 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	77 600 *
10.0	81.8	56.7	74 800 *
11.0	80.8	56.5	71 700 *
12.0	79.7	56.3	67 100 *
13.0	78.6	56.1	59 700
14.0	77.6	55.9	52 500
15.0	76.5	55.7	46 100
16.0	75.4	55.4	40 600
18.0	73.2	54.8	31 800
20.0	71.0	54.1	25 200
22.0	68.8	53.4	20 000
24.0	66.5	52.5	15 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 500 *
14.0	78.2	59.0	51 200 *
15.0	77.2	58.8	46 100
16.0	76.2	58.6	40 700
18.0	74.2	58.0	31 900
20.0	72.1	57.4	25 200
22.0	70.0	56.7	20 000
24.0	67.8	55.9	15 700

REPRINT ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

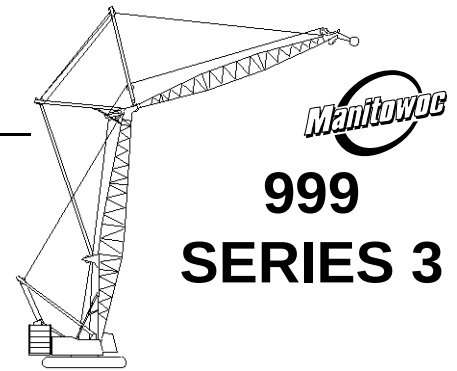
**Meets
ANSI B30.5
Requirements**

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	169 900 *
6.0	81.0	26.5	161 000 *
6.5	79.8	26.4	147 000 *
7.0	78.6	26.3	135 400 *
7.5	77.4	26.1	125 300 *
8.0	76.2	26.0	116 300 *
8.5	75.0	25.9	108 300 *
9.0	73.8	25.7	101 200 *
10.0	71.3	25.4	88 300
11.0	68.8	25.0	74 000
12.0	66.2	24.5	62 500
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	166 100 *
6.0	82.0	29.6	160 500 *
6.5	81.0	29.5	147 600 *
7.0	79.9	29.4	135 800 *
7.5	78.9	29.3	125 700 *
8.0	77.8	29.2	116 800 *
8.5	76.7	29.0	108 800 *
9.0	75.6	28.9	101 700 *
10.0	73.4	28.6	89 100
11.0	71.2	28.2	75 200
12.0	69.0	27.8	63 700
13.0	66.7	27.4	54 400
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	133 100 *
7.5	80.0	32.4	127 000 *
8.0	79.0	32.3	117 400 *
8.5	78.1	32.2	109 400 *
9.0	77.1	32.0	102 300 *
10.0	75.1	31.8	89 800
11.0	73.2	31.5	76 300
12.0	71.2	31.1	64 700
13.0	69.2	30.7	55 500
14.0	67.1	30.3	47 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	126 300 *
7.0	81.8	35.6	124 700 *
7.5	80.9	35.5	121 900 *
8.0	80.0	35.4	117 900 *
8.5	79.2	35.3	109 800 *
9.0	78.3	35.2	102 500 *
10.0	76.5	34.9	90 200
11.0	74.8	34.7	77 000
12.0	73.0	34.3	65 400
13.0	71.2	34.0	56 100
14.0	69.3	33.6	48 600
15.0	67.5	33.2	42 200
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	119 200 *
8.0	80.9	38.5	116 600 *
8.5	80.1	38.4	110 000 *
9.0	79.3	38.3	103 000 *
10.0	77.7	38.1	90 600 *
11.0	76.1	37.8	77 700
12.0	74.4	37.5	66 100
13.0	72.8	37.2	56 800
14.0	71.1	36.9	49 200
15.0	69.5	36.5	42 900
16.0	67.8	36.1	37 500
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	110 200 *
8.5	80.9	41.5	107 600 *
9.0	80.1	41.4	102 900 *
10.0	78.6	41.2	90 800 *
11.0	77.2	41.0	78 300
12.0	75.7	40.7	66 600
13.0	74.2	40.4	57 300
14.0	72.6	40.1	49 700
15.0	71.1	39.8	43 400
16.0	69.6	39.4	38 000
18.0	66.4	38.5	29 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	107 100 *
8.0	82.2	44.7	106 800 *
8.5	81.5	44.6	104 300 *
9.0	80.8	44.5	101 600 *
10.0	79.5	44.3	91 000 *
11.0	78.1	44.1	78 800
12.0	76.7	43.9	67 100
13.0	75.3	43.6	57 800
14.0	73.9	43.3	50 100
15.0	72.5	43.0	43 800
16.0	71.1	42.6	38 400
18.0	68.2	41.9	29 800
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	91 000 *
10.0	80.2	47.4	86 700 *
11.0	78.9	47.2	78 200
12.0	77.6	47.0	67 500
13.0	76.3	46.7	58 000
14.0	75.0	46.5	50 400
15.0	73.7	46.2	44 000
16.0	72.4	45.9	38 600
18.0	69.7	45.1	30 000
20.0	67.0	44.3	23 400
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	83 600 *
11.0	79.6	50.3	76 500 *
12.0	78.4	50.1	67 400
13.0	77.2	49.9	58 300
14.0	76.0	49.6	50 700
15.0	74.8	49.4	44 300
16.0	73.5	49.1	38 900
18.0	71.1	48.4	30 200
20.0	68.5	47.6	23 700



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

999
SERIES 3

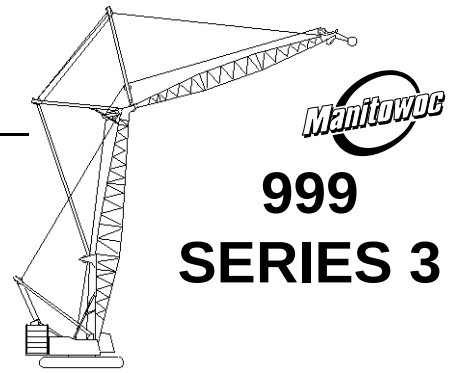
42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

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	77 100 *
11.0	80.2	53.4	73 900 *
12.0	79.1	53.2	66 500 *
13.0	78.0	53.0	58 700
14.0	76.8	52.8	50 900
15.0	75.7	52.5	44 500
16.0	74.5	52.2	39 000
18.0	72.2	51.6	30 400
20.0	69.9	50.9	23 800
22.0	67.5	50.1	18 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	76 400 *
10.0	81.8	56.7	73 600 *
11.0	80.8	56.5	70 600 *
12.0	79.7	56.3	65 200 *
13.0	78.6	56.1	58 000
14.0	77.6	55.9	51 100
15.0	76.5	55.7	44 700
16.0	75.4	55.4	39 200
18.0	73.2	54.8	30 600
20.0	71.0	54.1	24 000
22.0	68.8	53.4	18 700
24.0	66.5	52.5	14 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	53 300 *
14.0	78.2	59.0	49 600 *
15.0	77.2	58.8	44 600
16.0	76.2	58.6	39 500
18.0	74.2	58.0	30 600
20.0	72.1	57.4	24 000
22.0	70.0	56.7	18 800
24.0	67.8	55.9	14 500

REVIEW ONLY



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

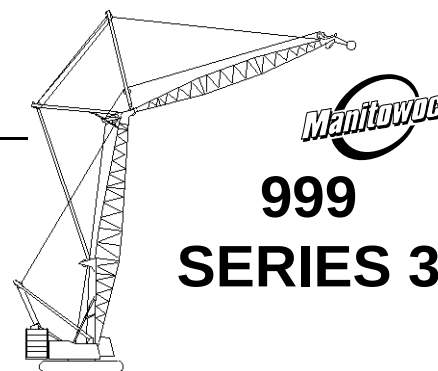
Meets
ANSI B30.5
Requirements

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
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	170 100 *
5.5	82.2	26.6	167 700 *
6.0	81.0	26.5	159 700 *
6.5	79.8	26.4	145 600 *
7.0	78.6	26.3	134 100 *
7.5	77.4	26.1	123 900 *
8.0	76.2	26.0	115 000 *
8.5	75.0	25.9	107 100 *
9.0	73.8	25.7	99 900 *
10.0	71.3	25.4	86 900
11.0	68.8	25.0	72 200
12.0	66.2	24.5	60 800
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	164 100 *
6.0	82.0	29.6	159 000 *
6.5	81.0	29.5	146 500 *
7.0	79.9	29.4	134 500 *
7.5	78.9	29.3	124 400 *
8.0	77.8	29.2	115 600 *
8.5	76.7	29.0	107 600 *
9.0	75.6	28.9	100 500 *
10.0	73.4	28.6	87 700
11.0	71.2	28.2	73 600
12.0	69.0	27.8	62 100
13.0	66.7	27.4	52 900
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	131 500 *
7.5	80.0	32.4	125 900 *
8.0	79.0	32.3	116 200 *
8.5	78.1	32.2	108 200 *
9.0	77.1	32.0	101 100 *
10.0	75.1	31.8	88 600
11.0	73.2	31.5	74 800
12.0	71.2	31.1	63 200
13.0	69.2	30.7	54 100
14.0	67.1	30.3	46 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	124 600 *
7.0	81.8	35.6	123 000 *
7.5	80.9	35.5	120 200 *
8.0	80.0	35.4	116 800 *
8.5	79.2	35.3	108 700 *
9.0	78.3	35.2	101 400 *
10.0	76.5	34.9	89 000
11.0	74.8	34.7	75 500
12.0	73.0	34.3	64 000
13.0	71.2	34.0	54 800
14.0	69.3	33.6	47 300
15.0	67.5	33.2	41 000
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	117 600 *
8.0	80.9	38.5	114 900 *
8.5	80.1	38.4	108 800 *
9.0	79.3	38.3	102 000 *
10.0	77.7	38.1	89 500
11.0	76.1	37.8	76 300
12.0	74.4	37.5	64 700
13.0	72.8	37.2	55 500
14.0	71.1	36.9	48 000
15.0	69.5	36.5	41 700
16.0	67.8	36.1	36 300
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	108 700 *
8.5	80.9	41.5	106 400 *
9.0	80.1	41.4	101 800 *
10.0	78.6	41.2	89 800
11.0	77.2	41.0	76 900
12.0	75.7	40.7	65 300
13.0	74.2	40.4	56 100
14.0	72.6	40.1	48 500
15.0	71.1	39.8	42 200
16.0	69.6	39.4	36 900
18.0	66.4	38.5	28 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	105 800 *
8.0	82.2	44.7	105 400 *
8.5	81.5	44.6	103 200 *
9.0	80.8	44.5	100 700 *
10.0	79.5	44.3	89 500 *
11.0	78.1	44.1	77 500
12.0	76.7	43.9	65 800
13.0	75.3	43.6	56 600
14.0	73.9	43.3	49 000
15.0	72.5	43.0	42 700
16.0	71.1	42.6	37 300
18.0	68.2	41.9	28 800
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	90 000 *
10.0	80.2	47.4	85 600 *
11.0	78.9	47.2	76 700
12.0	77.6	47.0	66 300
13.0	76.3	46.7	56 900
14.0	75.0	46.5	49 300
15.0	73.7	46.2	43 000
16.0	72.4	45.9	37 600
18.0	69.7	45.1	29 100
20.0	67.0	44.3	22 500
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	82 600 *
11.0	79.6	50.3	75 000 *
12.0	78.4	50.1	66 200
13.0	77.2	49.9	57 200
14.0	76.0	49.6	49 600
15.0	74.8	49.4	43 200
16.0	73.5	49.1	37 900
18.0	71.1	48.4	29 300
20.0	68.5	47.6	22 800



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

Meets
ANSI B30.5
Requirements

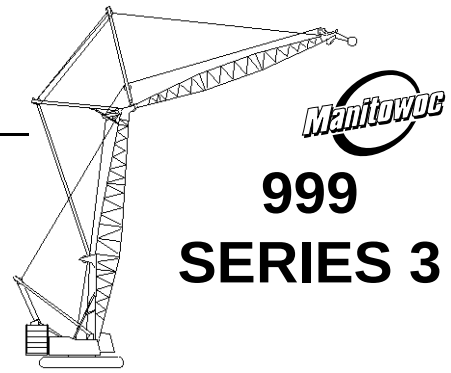
45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

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	76 200 *
11.0	80.2	53.4	72 900 *
12.0	79.1	53.2	65 100 *
13.0	78.0	53.0	57 600
14.0	76.8	52.8	49 900
15.0	75.7	52.5	43 500
16.0	74.5	52.2	38 100
18.0	72.2	51.6	29 500
20.0	69.9	50.9	23 000
22.0	67.5	50.1	17 800

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	72 700 *
11.0	80.8	56.5	69 600 *
12.0	79.7	56.3	63 900 *
13.0	78.6	56.1	56 700 *
14.0	77.6	55.9	50 000
15.0	76.5	55.7	43 700
16.0	75.4	55.4	38 300
18.0	73.2	54.8	29 700
20.0	71.0	54.1	23 100
22.0	68.8	53.4	17 900
24.0	66.5	52.5	13 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	52 900 *
14.0	78.2	59.0	48 400 *
15.0	77.2	58.8	43 500
16.0	76.2	58.6	38 700
18.0	74.2	58.0	29 800
20.0	72.1	57.4	23 200
22.0	70.0	56.7	18 000
24.0	67.8	55.9	13 800

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Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

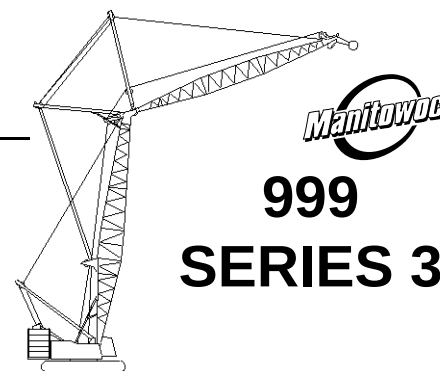
Meets
ANSI B30.5
Requirements

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
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	167 500 *
5.5	82.2	26.6	165 000 *
6.0	81.0	26.5	157 700 *
6.5	79.8	26.4	143 700 *
7.0	78.6	26.3	132 200 *
7.5	77.4	26.1	122 100 *
8.0	76.2	26.0	113 200 *
8.5	75.0	25.9	105 200 *
9.0	73.8	25.7	98 100 *
10.0	71.3	25.4	84 900
11.0	68.8	25.0	69 900
12.0	66.2	24.5	58 500
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	161 700 *
6.0	82.0	29.6	156 900 *
6.5	81.0	29.5	144 800 *
7.0	79.9	29.4	132 700 *
7.5	78.9	29.3	122 700 *
8.0	77.8	29.2	113 800 *
8.5	76.7	29.0	105 900 *
9.0	75.6	28.9	98 700 *
10.0	73.4	28.6	85 900
11.0	71.2	28.2	71 300
12.0	69.0	27.8	59 900
13.0	66.7	27.4	50 900
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	129 400 *
7.5	80.0	32.4	124 200 *
8.0	79.0	32.3	114 500 *
8.5	78.1	32.2	106 600 *
9.0	77.1	32.0	99 500 *
10.0	75.1	31.8	86 700
11.0	73.2	31.5	72 600
12.0	71.2	31.1	61 200
13.0	69.2	30.7	52 100
14.0	67.1	30.3	44 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	122 400 *
7.0	81.8	35.6	120 800 *
7.5	80.9	35.5	118 200 *
8.0	80.0	35.4	115 100 *
8.5	79.2	35.3	107 000 *
9.0	78.3	35.2	99 800 *
10.0	76.5	34.9	87 200
11.0	74.8	34.7	73 500
12.0	73.0	34.3	62 000
13.0	71.2	34.0	52 900
14.0	69.3	33.6	45 400
15.0	67.5	33.2	39 200
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	115 600 *
8.0	80.9	38.5	112 900 *
8.5	80.1	38.4	107 200 *
9.0	79.3	38.3	100 400 *
10.0	77.7	38.1	87 800
11.0	76.1	37.8	74 300
12.0	74.4	37.5	62 900
13.0	72.8	37.2	53 700
14.0	71.1	36.9	46 200
15.0	69.5	36.5	40 000
16.0	67.8	36.1	34 700
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	106 900 *
8.5	80.9	41.5	105 000 *
9.0	80.1	41.4	100 400 *
10.0	78.6	41.2	88 200
11.0	77.2	41.0	75 000
12.0	75.7	40.7	63 500
13.0	74.2	40.4	54 300
14.0	72.6	40.1	46 800
15.0	71.1	39.8	40 600
16.0	69.6	39.4	35 300
18.0	66.4	38.5	26 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	104 000 *
8.0	82.2	44.7	103 800 *
8.5	81.5	44.6	101 900 *
9.0	80.8	44.5	99 300 *
10.0	79.5	44.3	87 100 *
11.0	78.1	44.1	75 600
12.0	76.7	43.9	64 000
13.0	75.3	43.6	54 900
14.0	73.9	43.3	47 400
15.0	72.5	43.0	41 100
16.0	71.1	42.6	35 800
18.0	68.2	41.9	27 300
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	88 800 *
10.0	80.2	47.4	84 000 *
11.0	78.9	47.2	74 600
12.0	77.6	47.0	64 600
13.0	76.3	46.7	55 200
14.0	75.0	46.5	47 700
15.0	73.7	46.2	41 400
16.0	72.4	45.9	36 100
18.0	69.7	45.1	27 600
20.0	67.0	44.3	21 100
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	81 100 *
11.0	79.6	50.3	73 000 *
12.0	78.4	50.1	64 400
13.0	77.2	49.9	55 600
14.0	76.0	49.6	48 000
15.0	74.8	49.4	41 700
16.0	73.5	49.1	36 400
18.0	71.1	48.4	27 900
20.0	68.5	47.6	21 400



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

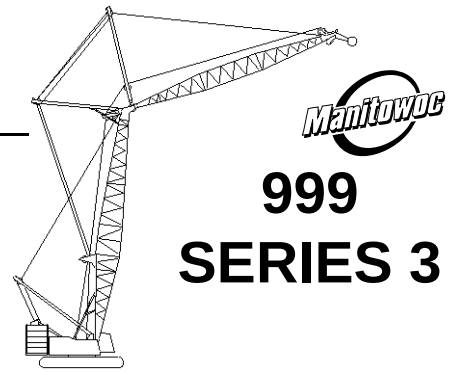
Meets
ANSI B30.5
Requirements

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	74 900 *
11.0	80.2	53.4	71 500 *
12.0	79.1	53.2	63 100 *
13.0	78.0	53.0	55 900
14.0	76.8	52.8	48 300
15.0	75.7	52.5	42 000
16.0	74.5	52.2	36 600
18.0	72.2	51.6	28 100
20.0	69.9	50.9	21 600
22.0	67.5	50.1	16 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	74 200 *
10.0	81.8	56.7	71 400 *
11.0	80.8	56.5	68 300 *
12.0	79.7	56.3	61 900 *
13.0	78.6	56.1	54 900 *
14.0	77.6	55.9	48 500
15.0	76.5	55.7	42 200
16.0	75.4	55.4	36 900
18.0	73.2	54.8	28 300
20.0	71.0	54.1	21 800
22.0	68.8	53.4	16 700
24.0	66.5	52.5	12 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	52 500 *
14.0	78.2	59.0	46 500 *
15.0	77.2	58.8	41 700 *
16.0	76.2	58.6	37 100
18.0	74.2	58.0	28 400
20.0	72.1	57.4	21 900
22.0	70.0	56.7	16 700
24.0	67.8	55.9	12 600



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

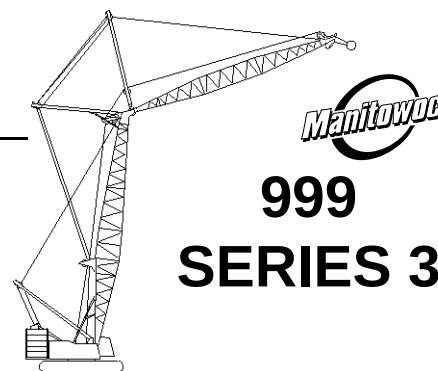
Meets
ANSI B30.5
Requirements

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	163 300 *
6.0	81.0	26.5	155 900 *
6.5	79.8	26.4	142 200 *
7.0	78.6	26.3	130 500 *
7.5	77.4	26.1	120 500 *
8.0	76.2	26.0	111 600 *
8.5	75.0	25.9	103 700 *
9.0	73.8	25.7	96 600 *
10.0	71.3	25.4	82 700
11.0	68.8	25.0	67 800
12.0	66.2	24.5	56 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	160 100 *
6.0	82.0	29.6	155 300 *
6.5	81.0	29.5	143 200 *
7.0	79.9	29.4	131 200 *
7.5	78.9	29.3	121 100 *
8.0	77.8	29.2	112 300 *
8.5	76.7	29.0	104 400 *
9.0	75.6	28.9	97 300 *
10.0	73.4	28.6	84 200
11.0	71.2	28.2	69 400
12.0	69.0	27.8	58 100
13.0	66.7	27.4	49 100
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	127 900 *
7.5	80.0	32.4	122 800 *
8.0	79.0	32.3	113 000 *
8.5	78.1	32.2	105 100 *
9.0	77.1	32.0	98 100 *
10.0	75.1	31.8	85 200
11.0	73.2	31.5	70 800
12.0	71.2	31.1	59 400
13.0	69.2	30.7	50 400
14.0	67.1	30.3	43 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	121 000 *
7.0	81.8	35.6	119 400 *
7.5	80.9	35.5	116 700 *
8.0	80.0	35.4	113 800 *
8.5	79.2	35.3	105 700 *
9.0	78.3	35.2	98 400 *
10.0	76.5	34.9	85 800
11.0	74.8	34.7	71 700
12.0	73.0	34.3	60 400
13.0	71.2	34.0	51 300
14.0	69.3	33.6	43 900
15.0	67.5	33.2	37 700
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	114 300 *
8.0	80.9	38.5	111 600 *
8.5	80.1	38.4	105 900 *
9.0	79.3	38.3	99 100 *
10.0	77.7	38.1	86 400
11.0	76.1	37.8	72 600
12.0	74.4	37.5	61 200
13.0	72.8	37.2	52 100
14.0	71.1	36.9	44 700
15.0	69.5	36.5	38 500
16.0	67.8	36.1	33 300
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	105 700 *
8.5	80.9	41.5	103 600 *
9.0	80.1	41.4	99 100 *
10.0	78.6	41.2	86 800
11.0	77.2	41.0	73 400
12.0	75.7	40.7	61 900
13.0	74.2	40.4	52 900
14.0	72.6	40.1	45 400
15.0	71.1	39.8	39 200
16.0	69.6	39.4	33 900
18.0	66.4	38.5	25 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	103 000 *
8.0	82.2	44.7	102 700 *
8.5	81.5	44.6	101 000 *
9.0	80.8	44.5	97 600 *
10.0	79.5	44.3	85 200 *
11.0	78.1	44.1	74 000
12.0	76.7	43.9	62 500
13.0	75.3	43.6	53 400
14.0	73.9	43.3	45 900
15.0	72.5	43.0	39 700
16.0	71.1	42.6	34 500
18.0	68.2	41.9	26 100
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	88 100 *
10.0	80.2	47.4	83 000 *
11.0	78.9	47.2	72 800
12.0	77.6	47.0	63 100
13.0	76.3	46.7	53 800
14.0	75.0	46.5	46 300
15.0	73.7	46.2	40 100
16.0	72.4	45.9	34 800
18.0	69.7	45.1	26 400
20.0	67.0	44.3	20 000
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	80 100 *
11.0	79.6	50.3	71 200 *
12.0	78.4	50.1	62 800 *
13.0	77.2	49.9	54 200
14.0	76.0	49.6	46 700
15.0	74.8	49.4	40 400
16.0	73.5	49.1	35 100
18.0	71.1	48.4	26 700
20.0	68.5	47.6	20 300



999

SERIES 3

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

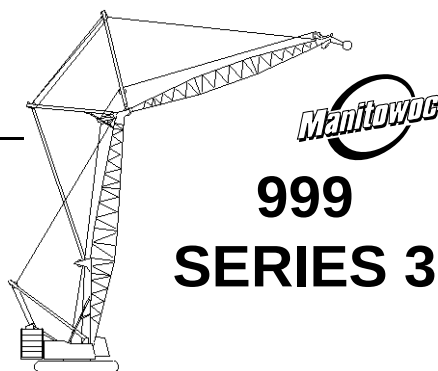
Meets
ANSI B30.5
Requirements

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	74 200 *
11.0	80.2	53.4	69 800 *
12.0	79.1	53.2	61 500 *
13.0	78.0	53.0	54 300
14.0	76.8	52.8	47 000
15.0	75.7	52.5	40 800
16.0	74.5	52.2	35 400
18.0	72.2	51.6	27 000
20.0	69.9	50.9	20 500
22.0	67.5	50.1	15 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	73 400 *
10.0	81.8	56.7	70 700 *
11.0	80.8	56.5	67 500 *
12.0	79.7	56.3	60 200 *
13.0	78.6	56.1	53 300 *
14.0	77.6	55.9	47 200
15.0	76.5	55.7	41 000
16.0	75.4	55.4	35 700
18.0	73.2	54.8	27 200
20.0	71.0	54.1	20 800
22.0	68.8	53.4	15 700
24.0	66.5	52.5	11 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	50 800 *
14.0	78.2	59.0	45 100 *
15.0	77.2	58.8	40 300 *
16.0	76.2	58.6	35 800
18.0	74.2	58.0	27 400
20.0	72.1	57.4	20 900



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

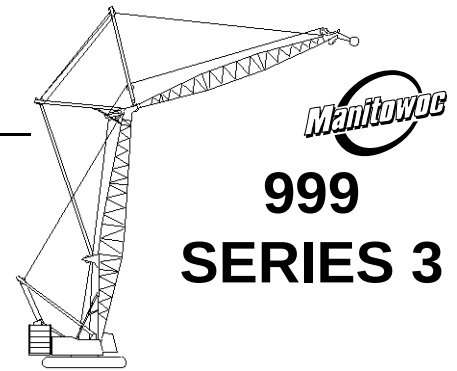
Meets
ANSI B30.5
Requirements

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	160 400 *
6.0	81.0	26.5	153 500 *
6.5	79.8	26.4	140 300 *
7.0	78.6	26.3	128 500 *
7.5	77.4	26.1	118 500 *
8.0	76.2	26.0	109 600 *
8.5	75.0	25.9	101 700 *
9.0	73.8	25.7	94 600 *
10.0	71.3	25.4	79 900
11.0	68.8	25.0	65 200
12.0	66.2	24.5	54 100
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	157 500 *
6.0	82.0	29.6	153 200 *
6.5	81.0	29.5	141 400 *
7.0	79.9	29.4	129 200 *
7.5	78.9	29.3	119 200 *
8.0	77.8	29.2	110 400 *
8.5	76.7	29.0	102 500 *
9.0	75.6	28.9	95 400 *
10.0	73.4	28.6	81 800
11.0	71.2	28.2	67 000
12.0	69.0	27.8	55 800
13.0	66.7	27.4	46 900
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	125 600 *
7.5	80.0	32.4	121 000 *
8.0	79.0	32.3	111 200 *
8.5	78.1	32.2	103 300 *
9.0	77.1	32.0	96 300 *
10.0	75.1	31.8	83 300
11.0	73.2	31.5	68 500
12.0	71.2	31.1	57 300
13.0	69.2	30.7	48 300
14.0	67.1	30.3	41 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	118 700 *
7.0	81.8	35.6	117 100 *
7.5	80.9	35.5	114 400 *
8.0	80.0	35.4	111 400 *
8.5	79.2	35.3	103 900 *
9.0	78.3	35.2	96 700 *
10.0	76.5	34.9	83 900
11.0	74.8	34.7	69 500
12.0	73.0	34.3	58 300
13.0	71.2	34.0	49 300
14.0	69.3	33.6	42 000
15.0	67.5	33.2	35 800
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	112 200 *
8.0	80.9	38.5	109 500 *
8.5	80.1	38.4	104 200 *
9.0	79.3	38.3	97 500 *
10.0	77.7	38.1	84 600
11.0	76.1	37.8	70 500
12.0	74.4	37.5	59 200
13.0	72.8	37.2	50 200
14.0	71.1	36.9	42 900
15.0	69.5	36.5	36 700
16.0	67.8	36.1	31 500
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	103 800 *
8.5	80.9	41.5	101 800 *
9.0	80.1	41.4	97 400 *
10.0	78.6	41.2	84 600
11.0	77.2	41.0	71 300
12.0	75.7	40.7	60 000
13.0	74.2	40.4	51 000
14.0	72.6	40.1	43 600
15.0	71.1	39.8	37 400
16.0	69.6	39.4	32 200
18.0	66.4	38.5	23 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	101 200 *
8.0	82.2	44.7	100 900 *
8.5	81.5	44.6	99 100 *
9.0	80.8	44.5	95 400 *
10.0	79.5	44.3	82 800 *
11.0	78.1	44.1	72 000
12.0	76.7	43.9	60 700
13.0	75.3	43.6	51 600
14.0	73.9	43.3	44 200
15.0	72.5	43.0	38 000
16.0	71.1	42.6	32 800
18.0	68.2	41.9	24 500
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	86 700 *
10.0	80.2	47.4	81 400 *
11.0	78.9	47.2	70 500 *
12.0	77.6	47.0	61 300
13.0	76.3	46.7	52 000
14.0	75.0	46.5	44 600
15.0	73.7	46.2	38 400
16.0	72.4	45.9	33 200
18.0	69.7	45.1	24 800
20.0	67.0	44.3	18 500
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	78 500 *
11.0	79.6	50.3	69 000 *
12.0	78.4	50.1	60 600 *
13.0	77.2	49.9	52 500
14.0	76.0	49.6	45 000
15.0	74.8	49.4	38 800
16.0	73.5	49.1	33 600
18.0	71.1	48.4	25 200
20.0	68.5	47.6	18 800



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

999
SERIES 3

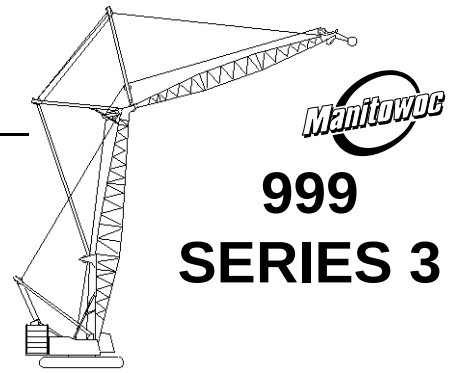
54.9m (180 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	72 900 *
11.0	80.2	53.4	67 600 *
12.0	79.1	53.2	59 400 *
13.0	78.0	53.0	52 400
14.0	76.8	52.8	45 400
15.0	75.7	52.5	39 200
16.0	74.5	52.2	33 900
18.0	72.2	51.6	25 500
20.0	69.9	50.9	19 100
22.0	67.5	50.1	14 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	72 100 *
10.0	81.8	56.7	69 400 *
11.0	80.8	56.5	66 200 *
12.0	79.7	56.3	58 000 *
13.0	78.6	56.1	51 300 *
14.0	77.6	55.9	45 600 *
15.0	76.5	55.7	39 500
16.0	75.4	55.4	34 200
18.0	73.2	54.8	25 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	53 500 *
13.0	79.2	59.3	48 600 *
14.0	78.2	59.0	43 100 *
15.0	77.2	58.8	38 400 *
16.0	76.2	58.6	34 100
18.0	74.2	58.0	26 000
20.0	72.1	57.4	19 500

REFERENCE ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

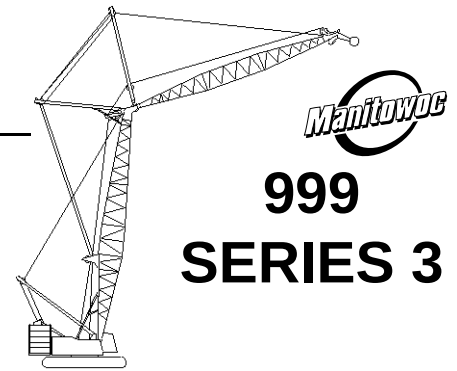
Meets
ANSI B30.5
Requirements

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	158 100 *
6.0	81.0	26.5	151 800 *
6.5	79.8	26.4	139 400 *
7.0	78.6	26.3	127 300 *
7.5	77.4	26.1	117 200 *
8.0	76.2	26.0	108 400 *
8.5	75.0	25.9	100 500 *
9.0	73.8	25.7	93 400 *
10.0	71.3	25.4	78 100
11.0	68.8	25.0	63 600
12.0	66.2	24.5	52 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	155 500 *
6.0	82.0	29.6	151 700 *
6.5	81.0	29.5	140 400 *
7.0	79.9	29.4	128 000 *
7.5	78.9	29.3	118 000 *
8.0	77.8	29.2	109 200 *
8.5	76.7	29.0	101 300 *
9.0	75.6	28.9	94 300 *
10.0	73.4	28.6	80 100
11.0	71.2	28.2	65 500
12.0	69.0	27.8	54 400
13.0	66.7	27.4	45 500
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	123 600 *
7.5	80.0	32.4	119 300 *
8.0	79.0	32.3	110 100 *
8.5	78.1	32.2	102 300 *
9.0	77.1	32.0	95 200 *
10.0	75.1	31.8	81 900
11.0	73.2	31.5	67 000
12.0	71.2	31.1	55 900
13.0	69.2	30.7	47 000
14.0	67.1	30.3	39 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	116 900 *
7.0	81.8	35.6	115 300 *
7.5	80.9	35.5	112 500 *
8.0	80.0	35.4	109 500 *
8.5	79.2	35.3	102 700 *
9.0	78.3	35.2	95 800 *
10.0	76.5	34.9	82 800
11.0	74.8	34.7	68 100
12.0	73.0	34.3	57 000
13.0	71.2	34.0	48 000
14.0	69.3	33.6	40 700
15.0	67.5	33.2	34 600
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	110 500 *
8.0	80.9	38.5	107 900 *
8.5	80.1	38.4	103 100 *
9.0	79.3	38.3	96 500 *
10.0	77.7	38.1	83 500
11.0	76.1	37.8	69 200
12.0	74.4	37.5	58 000
13.0	72.8	37.2	49 000
14.0	71.1	36.9	41 700
15.0	69.5	36.5	35 600
16.0	67.8	36.1	30 400
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	102 300 *
8.5	80.9	41.5	100 200 *
9.0	80.1	41.4	96 100 *
10.0	78.6	41.2	83 100
11.0	77.2	41.0	70 000
12.0	75.7	40.7	58 800
13.0	74.2	40.4	49 800
14.0	72.6	40.1	42 500
15.0	71.1	39.8	36 300
16.0	69.6	39.4	31 100
18.0	66.4	38.5	22 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	99 700 *
8.0	82.2	44.7	99 500 *
8.5	81.5	44.6	97 600 *
9.0	80.8	44.5	93 800 *
10.0	79.5	44.3	81 300 *
11.0	78.1	44.1	70 700
12.0	76.7	43.9	59 500
13.0	75.3	43.6	50 500
14.0	73.9	43.3	43 100
15.0	72.5	43.0	37 000
16.0	71.1	42.6	31 800
18.0	68.2	41.9	23 500
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	85 700 *
10.0	80.2	47.4	80 100 *
11.0	78.9	47.2	69 200 *
12.0	77.6	47.0	60 000
13.0	76.3	46.7	51 000
14.0	75.0	46.5	43 600
15.0	73.7	46.2	37 400
16.0	72.4	45.9	32 200
18.0	69.7	45.1	23 900
20.0	67.0	44.3	17 600
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	77 300 *
11.0	79.6	50.3	67 600 *
12.0	78.4	50.1	59 300 *
13.0	77.2	49.9	51 500
14.0	76.0	49.6	44 000
15.0	74.8	49.4	37 900
16.0	73.5	49.1	32 600
18.0	71.1	48.4	24 300
20.0	68.5	47.6	18 000



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

999
SERIES 3

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
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	71 800 *
11.0	80.2	53.4	66 300 *
12.0	79.1	53.2	58 100 *
13.0	78.0	53.0	51 300
14.0	76.8	52.8	44 400
15.0	75.7	52.5	38 200
16.0	74.5	52.2	33 000
18.0	72.2	51.6	24 700
20.0	69.9	50.9	18 300
22.0	67.5	50.1	13 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	71 100 *
10.0	81.8	56.7	68 300 *
11.0	80.8	56.5	64 900 *
12.0	79.7	56.3	56 800 *
13.0	78.6	56.1	50 100 *
14.0	77.6	55.9	44 400 *
15.0	76.5	55.7	38 600
16.0	75.4	55.4	33 300
18.0	73.2	54.8	24 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	53 500 *
10.0	82.3	59.8	53 500 *
11.0	81.3	59.6	53 500 *
12.0	80.3	59.4	52 800 *
13.0	79.2	59.3	47 400 *
14.0	78.2	59.0	42 100 *
15.0	77.2	58.8	37 300 *
16.0	76.2	58.6	33 100

REFERENCE ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

Boom No. 82

Luffing Jib No. 149

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

360 Degree Rating

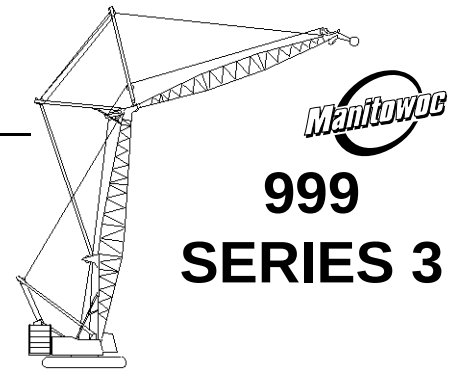
Meets
ANSI B30.5
Requirements

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	155 100 *
6.0	81.0	26.5	149 200 *
6.5	79.8	26.4	137 400 *
7.0	78.6	26.3	125 100 *
7.5	77.4	26.1	115 100 *
8.0	76.2	26.0	106 300 *
8.5	75.0	25.9	98 400 *
9.0	73.8	25.7	91 300 *
10.0	71.3	25.4	75 200
11.0	68.8	25.0	60 900
12.0	66.2	24.5	50 000
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	152 700 *
6.0	82.0	29.6	149 400 *
6.5	81.0	29.5	138 500 *
7.0	79.9	29.4	126 000 *
7.5	78.9	29.3	116 000 *
8.0	77.8	29.2	107 200 *
8.5	76.7	29.0	99 400 *
9.0	75.6	28.9	92 400 *
10.0	73.4	28.6	77 400
11.0	71.2	28.2	62 900
12.0	69.0	27.8	51 900
13.0	66.7	27.4	43 200
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	120 900 *
7.5	80.0	32.4	116 600 *
8.0	79.0	32.3	108 300 *
8.5	78.1	32.2	100 400 *
9.0	77.1	32.0	93 300 *
10.0	75.1	31.8	79 200
11.0	73.2	31.5	64 600
12.0	71.2	31.1	53 600
13.0	69.2	30.7	44 800
14.0	67.1	30.3	37 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	114 500 *
7.0	81.8	35.6	112 900 *
7.5	80.9	35.5	110 100 *
8.0	80.0	35.4	107 000 *
8.5	79.2	35.3	100 900 *
9.0	78.3	35.2	94 000 *
10.0	76.5	34.9	80 600
11.0	74.8	34.7	65 800
12.0	73.0	34.3	54 800
13.0	71.2	34.0	45 900
14.0	69.3	33.6	38 700
15.0	67.5	33.2	32 700
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	108 300 *
8.0	80.9	38.5	105 700 *
8.5	80.1	38.4	101 300 *
9.0	79.3	38.3	94 800 *
10.0	77.7	38.1	81 600
11.0	76.1	37.8	67 000
12.0	74.4	37.5	55 900
13.0	72.8	37.2	47 000
14.0	71.1	36.9	39 700
15.0	69.5	36.5	33 700
16.0	67.8	36.1	28 600
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	100 200 *
8.5	80.9	41.5	98 200 *
9.0	80.1	41.4	93 600 *
10.0	78.6	41.2	80 500 *
11.0	77.2	41.0	67 900
12.0	75.7	40.7	56 700
13.0	74.2	40.4	47 800
14.0	72.6	40.1	40 500
15.0	71.1	39.8	34 500
16.0	69.6	39.4	29 400
18.0	66.4	38.5	21 200

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	97 500 *
8.5	81.5	44.6	95 700 *
9.0	80.8	44.5	91 400 *
10.0	79.5	44.3	78 800 *
11.0	78.1	44.1	68 300
12.0	76.7	43.9	57 500
13.0	75.3	43.6	48 600
14.0	73.9	43.3	41 300
15.0	72.5	43.0	35 200
16.0	71.1	42.6	30 100
18.0	68.2	41.9	21 900
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	84 300 *
10.0	80.2	47.4	77 500 *
11.0	78.9	47.2	66 800 *
12.0	77.6	47.0	58 000
13.0	76.3	46.7	49 100
14.0	75.0	46.5	41 800
15.0	73.7	46.2	35 700
16.0	72.4	45.9	30 500
18.0	69.7	45.1	22 300
20.0	67.0	44.3	16 000
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	82 700 *
9.0	82.0	50.7	80 700 *
10.0	80.8	50.5	75 500 *
11.0	79.6	50.3	65 300 *
12.0	78.4	50.1	57 100 *
13.0	77.2	49.9	49 700
14.0	76.0	49.6	42 300
15.0	74.8	49.4	36 200
16.0	73.5	49.1	31 000
18.0	71.1	48.4	22 800
20.0	68.5	47.6	16 500



Liftcrane Boom Capacities With Luffing Jib Attached

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

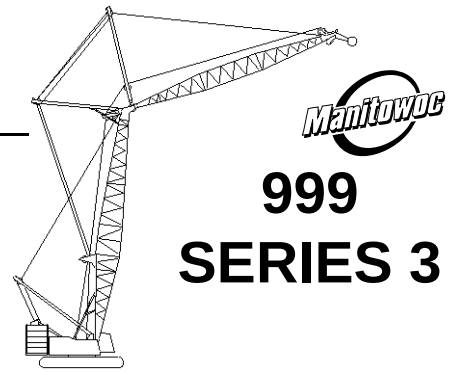
Meets
ANSI B30.5
Requirements

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
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	70 400 *
11.0	80.2	53.4	64 000 *
12.0	79.1	53.2	55 900 *
13.0	78.0	53.0	49 200 *
14.0	76.8	52.8	42 700
15.0	75.7	52.5	36 600
16.0	74.5	52.2	31 400
18.0	72.2	51.6	23 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	69 700 *
10.0	81.8	56.7	66 900 *
11.0	80.8	56.5	62 600 *
12.0	79.7	56.3	54 700 *
13.0	78.6	56.1	48 100 *
14.0	77.6	55.9	42 400 *
15.0	76.5	55.7	37 000
16.0	75.4	55.4	31 700
18.0	73.2	54.8	23 400

REFERENCE ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

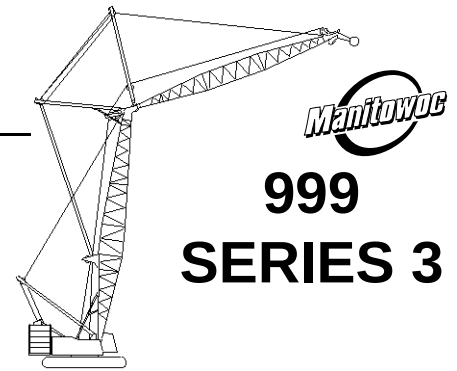
Meets
ANSI B30.5
Requirements

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	152 700 *
6.0	81.0	26.5	147 000 *
6.5	79.8	26.4	135 600 *
7.0	78.6	26.3	123 200 *
7.5	77.4	26.1	113 200 *
8.0	76.2	26.0	104 400 *
8.5	75.0	25.9	96 500 *
9.0	73.8	25.7	89 500 *
10.0	71.3	25.4	72 400
11.0	68.8	25.0	58 400
12.0	66.2	24.5	47 600
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	150 500 *
6.0	82.0	29.6	147 400 *
6.5	81.0	29.5	136 700 *
7.0	79.9	29.4	124 100 *
7.5	78.9	29.3	114 200 *
8.0	77.8	29.2	105 400 *
8.5	76.7	29.0	97 600 *
9.0	75.6	28.9	90 600 *
10.0	73.4	28.6	74 800
11.0	71.2	28.2	60 600
12.0	69.0	27.8	49 700
13.0	66.7	27.4	41 000
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	118 700 *
7.5	80.0	32.4	114 500 *
8.0	79.0	32.3	106 500 *
8.5	78.1	32.2	98 700 *
9.0	77.1	32.0	91 600 *
10.0	75.1	31.8	76 700
11.0	73.2	31.5	62 400
12.0	71.2	31.1	51 500
13.0	69.2	30.7	42 700
14.0	67.1	30.3	35 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	112 600 *
7.0	81.8	35.6	110 900 *
7.5	80.9	35.5	108 000 *
8.0	80.0	35.4	105 000 *
8.5	79.2	35.3	99 200 *
9.0	78.3	35.2	92 400 *
10.0	76.5	34.9	78 200
11.0	74.8	34.7	63 700
12.0	73.0	34.3	52 700
13.0	71.2	34.0	44 000
14.0	69.3	33.6	36 800
15.0	67.5	33.2	30 800
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	106 400 *
8.0	80.9	38.5	103 900 *
8.5	80.1	38.4	99 700 *
9.0	79.3	38.3	93 300 *
10.0	77.7	38.1	79 200
11.0	76.1	37.8	64 900
12.0	74.4	37.5	53 900
13.0	72.8	37.2	45 100
14.0	71.1	36.9	37 900
15.0	69.5	36.5	32 000
16.0	67.8	36.1	26 900
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	98 600 *
8.5	80.9	41.5	96 500 *
9.0	80.1	41.4	91 400 *
10.0	78.6	41.2	78 200 *
11.0	77.2	41.0	65 900
12.0	75.7	40.7	54 800
13.0	74.2	40.4	46 100
14.0	72.6	40.1	38 800
15.0	71.1	39.8	32 800
16.0	69.6	39.4	27 800
18.0	66.4	38.5	19 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	96 300 *
8.0	82.2	44.7	96 000 *
8.5	81.5	44.6	94 200 *
9.0	80.8	44.5	89 300 *
10.0	79.5	44.3	76 500 *
11.0	78.1	44.1	66 100
12.0	76.7	43.9	55 800
13.0	75.3	43.6	46 800
14.0	73.9	43.3	39 600
15.0	72.5	43.0	33 600
16.0	71.1	42.6	28 500
18.0	68.2	41.9	20 400
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	83 200 *
10.0	80.2	47.4	75 100 *
11.0	78.9	47.2	64 700 *
12.0	77.6	47.0	56 100
13.0	76.3	46.7	47 400
14.0	75.0	46.5	40 200
15.0	73.7	46.2	34 100
16.0	72.4	45.9	29 000
18.0	69.7	45.1	20 900
20.0	67.0	44.3	14 700
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	81 600 *
9.0	82.0	50.7	79 700 *
10.0	80.8	50.5	73 600 *
11.0	79.6	50.3	63 300 *
12.0	78.4	50.1	55 100 *
13.0	77.2	49.9	48 100
14.0	76.0	49.6	40 700
15.0	74.8	49.4	34 700
16.0	73.5	49.1	29 600
18.0	71.1	48.4	21 400



Liftcrane Boom Capacities With Luffing Jib Attached

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

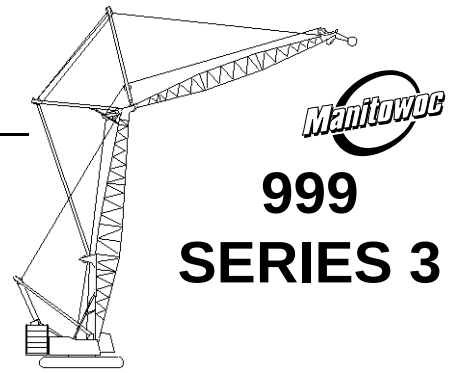
Meets
ANSI B30.5
Requirements

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
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	69 300 *
11.0	80.2	53.4	61 900 *
12.0	79.1	53.2	54 000 *
13.0	78.0	53.0	47 300 *
14.0	76.8	52.8	41 200
15.0	75.7	52.5	35 100
16.0	74.5	52.2	29 900
18.0	72.2	51.6	21 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	68 600 *
10.0	81.8	56.7	65 900 *
11.0	80.8	56.5	60 600 *
12.0	79.7	56.3	52 700 *
13.0	78.6	56.1	46 200 *
14.0	77.6	55.9	40 600 *
15.0	76.5	55.7	35 500

REFERENCE ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

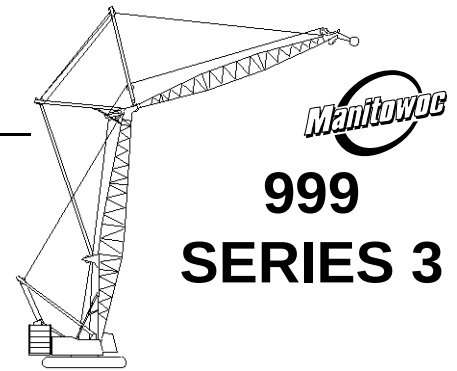
Meets
ANSI B30.5
Requirements

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	144 300 *
6.5	79.8	26.4	133 700 *
7.0	78.6	26.3	120 900 *
7.5	77.4	26.1	111 000 *
8.0	76.2	26.0	102 200 *
8.5	75.0	25.9	94 300 *
9.0	73.8	25.7	86 900 *
10.0	71.3	25.4	69 400 *
11.0	68.8	25.0	55 600 *
12.0	66.2	24.5	44 900 *
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	147 600 *
6.0	82.0	29.6	145 000 *
6.5	81.0	29.5	134 800 *
7.0	79.9	29.4	122 000 *
7.5	78.9	29.3	112 100 *
8.0	77.8	29.2	103 300 *
8.5	76.7	29.0	95 500 *
9.0	75.6	28.9	88 500 *
10.0	73.4	28.6	71 900 *
11.0	71.2	28.2	57 900 *
12.0	69.0	27.8	47 100 *
13.0	66.7	27.4	38 600 *
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	115 800 *
7.5	80.0	32.4	111 800 *
8.0	79.0	32.3	104 600 *
8.5	78.1	32.2	96 700 *
9.0	77.1	32.0	89 700 *
10.0	75.1	31.8	74 000 *
11.0	73.2	31.5	59 900 *
12.0	71.2	31.1	49 000 *
13.0	69.2	30.7	40 400 *
14.0	67.1	30.3	33 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	110 000 *
7.0	81.8	35.6	108 300 *
7.5	80.9	35.5	105 400 *
8.0	80.0	35.4	102 400 *
8.5	79.2	35.3	97 200 *
9.0	78.3	35.2	90 600 *
10.0	76.5	34.9	75 500 *
11.0	74.8	34.7	61 300 *
12.0	73.0	34.3	50 400 *
13.0	71.2	34.0	41 800 *
14.0	69.3	33.6	34 700 *
15.0	67.5	33.2	28 800 *
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	104 100 *
8.0	80.9	38.5	101 500 *
8.5	80.1	38.4	97 800 *
9.0	79.3	38.3	90 900 *
10.0	77.7	38.1	76 500 *
11.0	76.1	37.8	62 600 *
12.0	74.4	37.5	51 700 *
13.0	72.8	37.2	43 000 *
14.0	71.1	36.9	35 900 *
15.0	69.5	36.5	29 900 *
16.0	67.8	36.1	24 900 *
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	96 400 *
8.5	80.9	41.5	94 200 *
9.0	80.1	41.4	88 700 *
10.0	78.6	41.2	75 500 *
11.0	77.2	41.0	63 700 *
12.0	75.7	40.7	52 700 *
13.0	74.2	40.4	44 000 *
14.0	72.6	40.1	36 900 *
15.0	71.1	39.8	30 900 *
16.0	69.6	39.4	25 900 *
18.0	66.4	38.5	17 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	94 300 *
8.0	82.2	44.7	94 000 *
8.5	81.5	44.6	92 100 *
9.0	80.8	44.5	86 700 *
10.0	79.5	44.3	73 800 *
11.0	78.1	44.1	63 600 *
12.0	76.7	43.9	53 700 *
13.0	75.3	43.6	44 800 *
14.0	73.9	43.3	37 700 *
15.0	72.5	43.0	31 800 *
16.0	71.1	42.6	26 700 *
18.0	68.2	41.9	18 600 *
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	86 500 *
8.0	82.7	47.7	86 100 *
8.5	82.1	47.7	83 900 *
9.0	81.4	47.6	81 700 *
10.0	80.2	47.4	72 300 *
11.0	78.9	47.2	62 200 *
12.0	77.6	47.0	53 900 *
13.0	76.3	46.7	45 500 *
14.0	75.0	46.5	38 300 *
15.0	73.7	46.2	32 300 *
16.0	72.4	45.9	27 200 *
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	79 900 *
9.0	82.0	50.7	78 100 *
10.0	80.8	50.5	70 900 *
11.0	79.6	50.3	60 800 *
12.0	78.4	50.1	52 800 *
13.0	77.2	49.9	45 900 *
14.0	76.0	49.6	38 900 *
15.0	74.8	49.4	32 900 *
16.0	73.5	49.1	27 800 *
18.0	71.1	48.4	19 700 *



Liftcrane Boom Capacities With Luffing Jib Attached

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

Meets
ANSI B30.5
Requirements

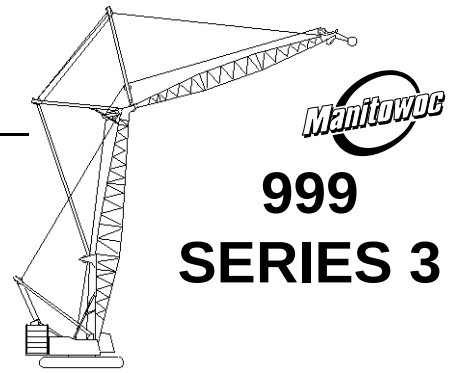
999
SERIES 3

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
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	68 100 *
9.0	82.5	53.8	67 700 *
10.0	81.3	53.6	66 400 *
11.0	80.2	53.4	59 500 *
12.0	79.1	53.2	51 700 *
13.0	78.0	53.0	45 100 *
14.0	76.8	52.8	39 300
15.0	75.7	52.5	33 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	59 100 *
10.0	81.8	56.7	58 100 *
11.0	80.8	56.5	57 300 *
12.0	79.7	56.3	50 600 *
13.0	78.6	56.1	44 100 *
14.0	77.6	55.9	38 500 *
15.0	76.5	55.7	33 700

REFERENCE ONLY!



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

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

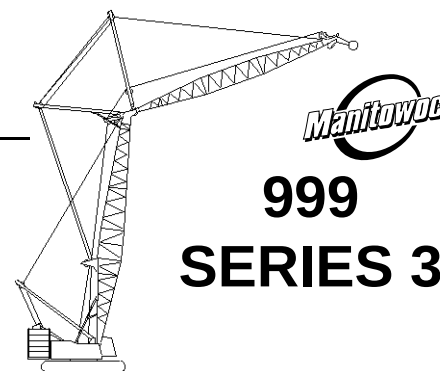
Meets
ANSI B30.5
Requirements

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	142 000 *
6.5	79.8	26.4	132 100 *
7.0	78.6	26.3	119 100 *
7.5	77.4	26.1	109 200 *
8.0	76.2	26.0	100 400 *
8.5	75.0	25.9	92 600 *
9.0	73.8	25.7	84 600 *
10.0	71.3	25.4	66 900 *
11.0	68.8	25.0	53 300 *
12.0	66.2	24.5	42 700 *
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	145 000 *
6.0	82.0	29.6	142 900 *
6.5	81.0	29.5	133 200 *
7.0	79.9	29.4	120 300 *
7.5	78.9	29.3	110 400 *
8.0	77.8	29.2	101 700 *
8.5	76.7	29.0	93 900 *
9.0	75.6	28.9	86 800 *
10.0	73.4	28.6	69 400 *
11.0	71.2	28.2	55 700 *
12.0	69.0	27.8	45 100 *
13.0	66.7	27.4	36 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	113 400 *
7.5	80.0	32.4	109 400 *
8.0	79.0	32.3	103 100 *
8.5	78.1	32.2	95 200 *
9.0	77.1	32.0	88 200 *
10.0	75.1	31.8	71 600 *
11.0	73.2	31.5	57 800 *
12.0	71.2	31.1	47 100 *
13.0	69.2	30.7	38 500 *
14.0	67.1	30.3	31 600 *
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	103 100 *
8.0	80.0	35.4	100 100 *
8.5	79.2	35.3	95 600 *
9.0	78.3	35.2	89 200 *
10.0	76.5	34.9	73 400 *
11.0	74.8	34.7	59 300 *
12.0	73.0	34.3	48 500 *
13.0	71.2	34.0	40 000 *
14.0	69.3	33.6	33 000 *
15.0	67.5	33.2	27 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	102 000 *
8.0	80.9	38.5	99 400 *
8.5	80.1	38.4	95 800 *
9.0	79.3	38.3	88 700 *
10.0	77.7	38.1	74 300 *
11.0	76.1	37.8	60 700 *
12.0	74.4	37.5	49 900 *
13.0	72.8	37.2	41 300 *
14.0	71.1	36.9	34 200 *
15.0	69.5	36.5	28 400 *
16.0	67.8	36.1	23 400 *
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	94 500 *
8.5	80.9	41.5	92 300 *
9.0	80.1	41.4	86 500 *
10.0	78.6	41.2	73 300 *
11.0	77.2	41.0	61 800 *
12.0	75.7	40.7	51 000 *
13.0	74.2	40.4	42 300 *
14.0	72.6	40.1	35 300 *
15.0	71.1	39.8	29 400 *
16.0	69.6	39.4	24 400 *
18.0	66.4	38.5	16 500 *



Liftcrane Boom Capacities With Luffing Jib Attached

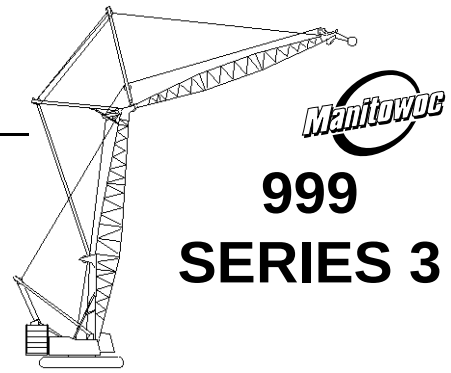
Boom No. 82
Luffing Jib No. 149
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

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
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	92 500 *
8.0	82.2	44.7	92 200 *
8.5	81.5	44.6	90 300 *
9.0	80.8	44.5	84 700 *
10.0	79.5	44.3	71 700 *
11.0	78.1	44.1	61 600
12.0	76.7	43.9	52 100
13.0	75.3	43.6	43 300
14.0	73.9	43.3	36 200
15.0	72.5	43.0	30 300
16.0	71.1	42.6	25 300
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	84 900 *
8.0	82.7	47.7	84 600 *
8.5	82.1	47.7	82 600 *
9.0	81.4	47.6	80 400 *
10.0	80.2	47.4	70 200 *
11.0	78.9	47.2	60 300 *
12.0	77.6	47.0	52 100 *
13.0	76.3	46.7	44 000
14.0	75.0	46.5	36 900
15.0	73.7	46.2	30 900
16.0	72.4	45.9	25 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	78 700 *
9.0	82.0	50.7	76 800 *
10.0	80.8	50.5	68 800 *
11.0	79.6	50.3	59 000 *
12.0	78.4	50.1	51 000 *
13.0	77.2	49.9	44 300
14.0	76.0	49.6	37 500
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	71 600 *
9.0	82.5	53.8	70 000 *
10.0	81.3	53.6	66 100 *
11.0	80.2	53.4	57 700 *
12.0	79.1	53.2	49 900 *
13.0	78.0	53.0	43 400 *
14.0	76.8	52.8	37 800 *
15.0	75.7	52.5	32 100
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	65 800 *
10.0	81.8	56.7	63 100 *
11.0	80.8	56.5	56 400 *



Liftcrane Boom Capacities With Luffing Jib Attached

**999
SERIES 3**

Boom No. 82
Luffing Jib No. 149
99 610 kg Crane Counterweight
36 290 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	143 300 *
6.0	81.0	26.5	138 900 *
6.5	79.8	26.4	129 700 *
7.0	78.6	26.3	116 900 *
7.5	77.4	26.1	106 900 *
8.0	76.2	26.0	98 200 *
8.5	75.0	25.9	90 400 *
9.0	73.8	25.7	81 600 *
10.0	71.3	25.4	63 800 *
11.0	68.8	25.0	50 300 *
12.0	66.2	24.5	39 900 *
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	142 000 *
6.0	82.0	29.6	140 300 *
6.5	81.0	29.5	131 000 *
7.0	79.9	29.4	118 100 *
7.5	78.9	29.3	108 200 *
8.0	77.8	29.2	99 500 *
8.5	76.7	29.0	91 800 *
9.0	75.6	28.9	84 000 *
10.0	73.4	28.6	66 500 *
11.0	71.2	28.2	53 000 *
12.0	69.0	27.8	42 400 *
13.0	66.7	27.4	34 000 *
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	110 300 *
7.5	80.0	32.4	106 500 *
8.0	79.0	32.3	101 000 *
8.5	78.1	32.2	93 200 *
9.0	77.1	32.0	86 000 *
10.0	75.1	31.8	68 800 *
11.0	73.2	31.5	55 100 *
12.0	71.2	31.1	44 600 *
13.0	69.2	30.7	36 100 *
14.0	67.1	30.3	29 200 *

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	100 400 *
8.0	80.0	35.4	97 500 *
8.5	79.2	35.3	93 600 *
9.0	78.3	35.2	87 000 *
10.0	76.5	34.9	70 600 *
11.0	74.8	34.7	56 800 *
12.0	73.0	34.3	46 200 *
13.0	71.2	34.0	37 700 *
14.0	69.3	33.6	30 700 *
15.0	67.5	33.2	25 000 *
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	99 500 *
8.0	80.9	38.5	96 900 *
8.5	80.1	38.4	92 700 *
9.0	79.3	38.3	85 600 *
10.0	77.7	38.1	71 500 *
11.0	76.1	37.8	58 300 *
12.0	74.4	37.5	47 600 *
13.0	72.8	37.2	39 000 *
14.0	71.1	36.9	32 100 *
15.0	69.5	36.5	26 300 *
16.0	67.8	36.1	21 400 *
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	95 300 *
7.5	82.3	41.7	94 500 *
8.0	81.6	41.6	92 200 *
8.5	80.9	41.5	90 000 *
9.0	80.1	41.4	83 800 *
10.0	78.6	41.2	70 500 *
11.0	77.2	41.0	59 500 *
12.0	75.7	40.7	48 800 *
13.0	74.2	40.4	40 200 *
14.0	72.6	40.1	33 200 *
15.0	71.1	39.8	27 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	90 400 *
8.0	82.2	44.7	90 100 *
8.5	81.5	44.6	88 100 *
9.0	80.8	44.5	82 000 *
10.0	79.5	44.3	69 000 *
11.0	78.1	44.1	59 000 *
12.0	76.7	43.9	49 900 *
13.0	75.3	43.6	41 200 *
14.0	73.9	43.3	34 200 *
15.0	72.5	43.0	28 300 *
16.0	71.1	42.6	23 400 *
45.7m (150 Ft.) BOOM			
7.9	82.8	47.8	82 900 *
8.0	82.7	47.7	82 700 *
8.5	82.1	47.7	81 000 *
9.0	81.4	47.6	78 500 *
10.0	80.2	47.4	67 500 *
11.0	78.9	47.2	57 700 *
12.0	77.6	47.0	49 600 *
13.0	76.3	46.7	42 000 *
14.0	75.0	46.5	34 900 *
48.8m (160 Ft.) BOOM			
8.5	82.5	50.8	77 100 *
9.0	82.0	50.7	75 200 *
10.0	80.8	50.5	66 100 *
11.0	79.6	50.3	56 400 *
12.0	78.4	50.1	48 600 *
13.0	77.2	49.9	42 000 *
14.0	76.0	49.6	35 600 *
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	70 000 *
9.0	82.5	53.8	68 500 *
10.0	81.3	53.6	64 300 *
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	53 300 *