



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

999 SERIES 3

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 (*). Capacities indicated by (b) require 5 670 kg minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 13 380 kg or 26 760 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

76.2m thru 88.4m boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Note: 22L boom top **No. 196142** or **No. 417403** required for capacities greater than or equal to 219 900 kg.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. 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. Refer to boom rigging **No. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-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 and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8225-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 or four 35 mm boom pendants, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

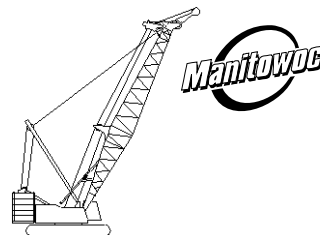
Boom Catwalks Deduct

Deduct 300 kg from capacities when boom catwalks are attached.

WITHOUT BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 88.4m	—	(a) 88.4m	—
85.3m	—	85.3m	—
82.3m	9.1m	82.3m	9.1m
79.2m	18.3m	79.2m	18.3m
76.2m	24.4m	76.2m	24.4m
Load block, hook and weight ball on ground at start. a) Upper boom point cannot be used on 88.4m boom.			

Consult jib chart for jib capacities.
Upper boom point cannot be used when jib is attached.

WITH BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 88.4m	—	(a)(b) 88.4m	—
85.3m	—	85.3m	—
82.3m	9.1m	82.3m	—
79.2m	18.3m	79.2m	(b) 18.3m
76.2m	24.4m	76.2m	24.4m
Load block, hook and weight ball on ground at start. a) Upper boom point cannot be used on 88.4m boom. (b) Machine must equipped with lowerworks jacking cylinders.			



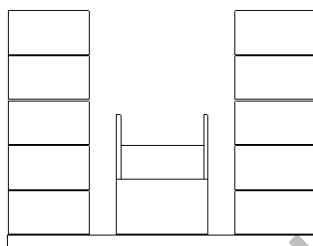
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Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
9.1m	1 220 kg
12.2m	1 590 kg
15.2m	1 950 kg
18.3m	2 310 kg
21.3m	2 770 kg
24.4m	3 220 kg



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

Oper. Rad. Meters	Boom Capacity Kilograms
18.3m (60 Ft.) BOOM	
4.6	250 000*b ¹

¹ Note: Special equipment required.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.9	82.8	23.5	226 700 *b ²
5.0	82.5	23.5	219 900 *b ²
5.5	81.1	23.4	198 500 *b
6.0	79.7	23.3	183 000 *b
7.0	77.0	23.1	158 000 *b
8.0	74.2	22.8	139 000 *
9.0	71.3	22.5	123 800 *
10.0	68.4	22.1	111 500 *
11.0	65.5	21.6	100 200
12.0	62.5	21.1	88 200
13.0	59.3	20.5	78 700
14.0	56.1	19.8	70 900
15.0	52.7	19.0	64 400
16.0	49.1	18.2	58 900
18.0	41.3	16.0	50 100
20.0	31.9	13.2	42 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	203 000 *b
5.5	82.2	26.5	198 300 *b
6.0	81.0	26.4	182 700 *b
7.0	78.6	26.2	157 800 *b
8.0	76.2	26.0	138 700 *
9.0	73.8	25.7	123 500 *
10.0	71.3	25.3	111 300 *
11.0	68.8	24.9	100 300
12.0	66.2	24.5	88 300
13.0	63.5	24.0	78 700
14.0	60.9	23.4	70 900
15.0	58.1	22.8	64 400
16.0	55.2	22.1	58 900
18.0	49.1	20.5	50 100
20.0	42.4	18.4	43 300
22.0	34.5	15.7	37 900
24.0	24.5	11.9	31 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	182 800 *b
6.0	82.0	29.5	180 700 *b
7.0	79.9	29.4	157 500 *b
8.0	77.8	29.1	138 500 *
9.0	75.6	28.9	123 400 *
10.0	73.4	28.6	111 100 *
11.0	71.2	28.2	100 300
12.0	69.0	27.8	88 300
13.0	66.7	27.4	78 800
14.0	64.4	26.9	70 900
15.0	62.0	26.4	64 400
16.0	59.6	25.8	58 900
18.0	54.5	24.4	50 100
20.0	49.1	22.8	43 300
22.0	43.2	20.7	38 000
24.0	36.4	18.2	33 600
26.0	28.3	14.9	29 800 *

² See note on page 1.



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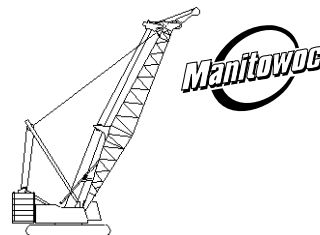
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	175 000 *b
7.0	80.9	32.5	158 000 *b
8.0	79.0	32.3	138 400 *
9.0	77.1	32.0	123 300 *
10.0	75.1	31.7	111 000 *
11.0	73.2	31.4	100 400
12.0	71.2	31.1	88 300
13.0	69.2	30.7	78 800
14.0	67.1	30.3	71 000
15.0	65.1	29.8	64 400
16.0	62.9	29.3	58 900
18.0	58.6	28.1	50 100
20.0	54.0	26.7	43 300
22.0	49.1	25.1	38 000
24.0	43.8	23.1	33 700
26.0	37.9	20.6	30 100
28.0	31.0	17.6	27 000
30.0	22.2	13.4	23 200 *
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	160 400 *
7.0	81.8	35.5	155 700 *
8.0	80.0	35.4	138 100 *
9.0	78.3	35.2	123 000 *
10.0	76.5	34.9	110 800 *
11.0	74.8	34.6	100 400
12.0	73.0	34.3	88 300
13.0	71.2	34.0	78 700
14.0	69.3	33.6	70 900
15.0	67.5	33.2	64 400
16.0	65.6	32.7	58 800
18.0	61.7	31.7	50 000
20.0	57.7	30.5	43 200
22.0	53.5	29.0	37 900
24.0	49.1	27.4	33 600
26.0	44.3	25.4	30 000
28.0	39.0	23.0	27 000
30.0	33.1	20.2	24 400
32.0	25.8	16.5	21 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	147 100 *
7.0	82.5	38.6	147 100 *
8.0	80.9	38.5	138 200 *
9.0	79.3	38.3	122 900 *
10.0	77.7	38.1	110 600 *
11.0	76.1	37.8	100 400
12.0	74.4	37.5	88 300
13.0	72.8	37.2	78 700
14.0	71.1	36.9	70 900
15.0	69.5	36.5	64 300
16.0	67.8	36.1	58 800
18.0	64.3	35.1	49 900
20.0	60.7	34.0	43 200
22.0	57.0	32.8	37 800
24.0	53.2	31.3	33 500
26.0	49.1	29.7	30 000
28.0	44.7	27.7	26 900
30.0	40.0	25.4	24 400
32.0	34.7	22.7	22 100
34.0	28.5	19.3	20 100
36.0	20.6	14.7	17 100 *
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	133 800 *
8.0	81.6	41.6	133 200 *
9.0	80.1	41.4	123 200 *
10.0	78.6	41.2	110 500 *
11.0	77.2	40.9	100 300
12.0	75.7	40.7	88 300
13.0	74.2	40.4	78 700
14.0	72.6	40.1	70 900
15.0	71.1	39.7	64 300
16.0	69.6	39.4	58 800
18.0	66.4	38.5	49 900
20.0	63.2	37.5	43 100
22.0	59.9	36.4	37 800
24.0	56.4	35.1	33 500
26.0	52.8	33.6	29 900
28.0	49.1	32.0	26 900
30.0	45.1	30.0	24 300
32.0	40.7	27.8	22 100
34.0	36.0	25.2	20 200
36.0	30.5	22.0	18 500
38.0	24.0	18.0	16 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	133 800 *
8.0	82.2	44.6	133 200 *
9.0	80.8	44.5	123 100 *
10.0	79.5	44.3	110 300 *
11.0	78.1	44.1	100 200
12.0	76.7	43.8	88 200
13.0	75.3	43.6	78 600
14.0	73.9	43.3	70 800
15.0	72.5	43.0	64 200
16.0	71.1	42.6	58 700
18.0	68.2	41.8	49 800
20.0	65.3	40.9	43 100
22.0	62.2	39.9	37 700
24.0	59.1	38.7	33 400
26.0	55.9	37.4	29 800
28.0	52.6	35.9	26 800
30.0	49.1	34.3	24 200
32.0	45.4	32.3	22 000
34.0	41.4	30.2	20 100
36.0	37.0	27.6	18 400
38.0	32.2	24.6	16 800
40.0	26.6	20.9	15 200 *
42.0	19.4	16.0	12 800 *
45.7m (150 Ft.) BOOM			
7.9	82.8	47.7	120 400 *
8.0	82.7	47.7	120 100 *
9.0	81.4	47.6	116 600 *
10.0	80.2	47.4	110 600 *
11.0	78.9	47.2	99 900
12.0	77.6	47.0	88 200
13.0	76.3	46.7	78 500
14.0	75.0	46.5	70 600
15.0	73.7	46.2	64 100
16.0	72.4	45.8	58 500
18.0	69.7	45.1	49 600
20.0	67.0	44.3	42 900
22.0	64.3	43.3	37 500
24.0	61.4	42.3	33 200
26.0	58.5	41.1	29 600
28.0	55.5	39.7	26 600
30.0	52.3	38.2	24 100
32.0	49.1	36.6	21 900
34.0	45.6	34.7	19 900
36.0	41.9	32.5	18 200
38.0	37.9	30.0	16 700
40.0	33.6	27.2	15 300
42.0	28.6	23.7	13 900
44.0	22.6	19.4	11 900 *



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Requirements

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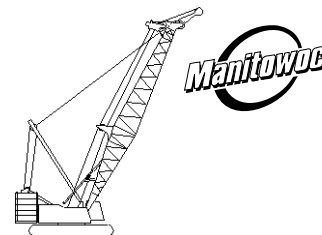
360 Degree Rating

999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.5	82.5	50.7	107 000 *
9.0	82.0	50.7	107 000 *
10.0	80.8	50.5	106 600 *
11.0	79.6	50.3	99 700
12.0	78.4	50.1	88 100
13.0	77.2	49.9	78 400
14.0	76.0	49.6	70 500
15.0	74.8	49.3	64 000
16.0	73.5	49.0	58 400
18.0	71.1	48.4	49 500
20.0	68.5	47.6	42 800
22.0	66.0	46.7	37 400
24.0	63.4	45.7	33 100
26.0	60.7	44.7	29 500
28.0	57.9	43.4	26 500
30.0	55.1	42.1	23 900
32.0	52.1	40.5	21 700
34.0	49.1	38.9	19 800
36.0	45.8	37.0	18 100
38.0	42.4	34.8	16 600
40.0	38.7	32.4	15 200
42.0	34.7	29.7	14 000
44.0	30.2	26.4	12 800
46.0	25.0	22.5	11 100 *
48.0	18.5	17.3	9 300 *
51.8m (170 Ft.) BOOM			
8.5	83.0	53.8	105 500 *
9.0	82.5	53.7	104 000 *
10.0	81.3	53.6	100 800 *
11.0	80.2	53.4	97 600
12.0	79.1	53.2	88 300
13.0	78.0	53.0	78 300
14.0	76.8	52.8	70 500
15.0	75.7	52.5	63 900
16.0	74.5	52.2	58 300
18.0	72.2	51.6	49 500
20.0	69.9	50.9	42 600
22.0	67.5	50.1	37 300
24.0	65.1	49.2	33 000
26.0	62.6	48.1	29 400
28.0	60.0	47.0	26 400
30.0	57.4	45.8	23 800
32.0	54.7	44.4	21 600
34.0	52.0	42.8	19 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
36.0	49.1	41.2	18 000
38.0	46.0	39.3	16 400
40.0	42.8	37.2	15 100
42.0	39.4	34.8	13 900
44.0	35.7	32.1	12 800
46.0	31.6	29.1	11 700
48.0	27.0	25.4	10 300 *
50.0	21.5	20.8	8 700 *
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	93 600 *
10.0	81.8	56.7	93 600 *
11.0	80.8	56.5	92 700 *
12.0	79.7	56.3	87 900
13.0	78.6	56.1	78 200
14.0	77.6	55.9	70 400
15.0	76.5	55.7	63 800
16.0	75.4	55.4	58 200
18.0	73.2	54.8	49 300
20.0	71.0	54.1	42 500
22.0	68.8	53.4	37 200
24.0	66.5	52.5	32 800
26.0	64.2	51.6	29 200
28.0	61.9	50.5	26 200
30.0	59.5	49.4	23 600
32.0	57.0	48.1	21 500
34.0	54.4	46.7	19 500
36.0	51.8	45.1	17 800
38.0	49.0	43.5	16 300
40.0	46.2	41.6	14 900
42.0	43.2	39.5	13 700
44.0	40.0	37.2	12 700
46.0	36.6	34.6	11 700
48.0	32.8	31.6	10 700
50.0	28.6	28.2	9 400 *
52.0	23.8	24.0	8 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	82.5	59.8	89 200 *
10.0	82.3	59.8	88 600 *
11.0	81.3	59.6	86 300 *
12.0	80.3	59.4	81 400 *
13.0	79.2	59.2	76 300 *
14.0	78.2	59.0	70 300
15.0	77.2	58.8	63 600
16.0	76.2	58.5	58 100
18.0	74.2	58.0	49 100
20.0	72.1	57.4	42 400
22.0	70.0	56.6	37 000
24.0	67.8	55.8	32 600
26.0	65.7	55.0	29 100
28.0	63.5	54.0	26 000
30.0	61.2	52.9	23 500
32.0	58.9	51.7	21 200
34.0	56.6	50.4	19 300
36.0	54.1	49.0	17 600
38.0	51.6	47.5	16 100
40.0	49.0	45.8	14 800
42.0	46.3	43.9	13 500
44.0	43.5	41.8	12 400
46.0	40.5	39.6	11 500
48.0	37.3	37.0	10 500
50.0	33.9	34.2	9 700
52.0	30.0	30.9	8 500 *
54.0	25.7	27.0	7 300 *
56.0	20.5	22.1	6 000 *



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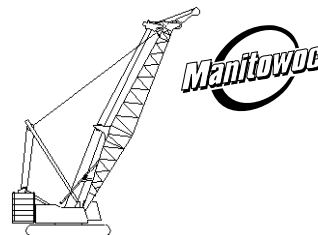
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
9.8	82.9	62.9	80 200 *
10.0	82.7	62.8	80 200 *
11.0	81.7	62.7	80 200 *
12.0	80.7	62.5	78 800 *
13.0	79.8	62.3	74 100 *
14.0	78.8	62.1	69 900 *
15.0	77.9	61.9	63 500
16.0	76.9	61.7	57 900
18.0	75.0	61.2	49 000
20.0	73.0	60.6	42 200
22.0	71.0	59.9	36 800
24.0	69.0	59.1	32 500
26.0	67.0	58.3	28 900
28.0	64.9	57.4	25 900
30.0	62.8	56.4	23 300
32.0	60.7	55.3	21 000
34.0	58.5	54.1	19 100
36.0	56.2	52.7	17 400
38.0	53.9	51.3	15 900
40.0	51.5	49.8	14 600
42.0	49.0	48.1	13 400
44.0	46.5	46.2	12 300
46.0	43.8	44.2	11 300
48.0	41.0	41.9	10 400
50.0	38.0	39.4	9 600
52.0	34.8	36.7	8 800
54.0	31.2	33.5	7 700 *
56.0	27.3	29.8	6 500 *
58.0	22.8	25.4	5 400 *
64.0m (210 Ft.) BOOM			
10.4	82.7	65.9	77 700 *
11.0	82.1	65.8	76 700 *
12.0	81.2	65.6	74 900 *
13.0	80.3	65.4	72 100 *
14.0	79.4	65.2	67 900 *
15.0	78.5	65.0	63 600
16.0	77.5	64.8	57 800
18.0	75.7	64.3	48 900
20.0	73.8	63.8	42 100
22.0	72.0	63.1	36 700
24.0	70.1	62.4	32 300
26.0	68.1	61.6	28 700
28.0	66.2	60.7	25 700
30.0	64.2	59.8	23 100
32.0	62.2	58.8	20 900
34.0	60.1	57.6	19 000
36.0	58.0	56.4	17 300
38.0	55.9	55.1	15 800
40.0	53.7	53.6	14 400
42.0	51.4	52.1	13 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) BOOM			
44.0	49.0	50.4	12 100
46.0	46.6	48.5	11 100
48.0	44.1	46.5	10 200
50.0	41.4	44.3	9 400
52.0	38.6	41.8	8 600
54.0	35.6	39.1	7 900
56.0	32.3	36.1	6 800 *
58.0	28.7	32.6	5 800 *
60.0	24.6	28.5	4 800 *
62.0	19.7	23.4	3 800 *
67.1m (220 Ft.) BOOM			
10.4	83.0	68.9	70 300 *
11.0	82.5	68.9	70 100 *
12.0	81.6	68.7	69 800 *
13.0	80.7	68.5	69 100 *
14.0	79.9	68.4	66 000 *
15.0	79.0	68.2	62 400 *
16.0	78.1	67.9	58 300
18.0	76.4	67.5	48 700
20.0	74.6	66.9	41 900
22.0	72.8	66.3	36 500
24.0	71.0	65.6	32 200
26.0	69.2	64.9	28 600
28.0	67.3	64.1	25 500
30.0	65.5	63.2	23 000
32.0	63.6	62.2	20 700
34.0	61.6	61.1	18 800
36.0	59.6	60.0	17 100
38.0	57.6	58.7	15 600
40.0	55.6	57.4	14 300
42.0	53.5	55.9	13 000
44.0	51.3	54.4	11 900
46.0	49.0	52.7	10 900
48.0	46.7	50.8	10 000
50.0	44.3	48.8	9 200
52.0	41.8	46.6	8 500
54.0	39.1	44.2	7 800
56.0	36.3	41.6	7 000
58.0	33.2	38.6	6 000 *
60.0	29.9	35.3	5 100 *
62.0	26.2	31.4	4 100 *
64.0	21.9	26.8	3 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) BOOM			
11.0	82.8	71.9	63 100 *
12.0	82.0	71.8	62 800 *
13.0	81.1	71.6	62 500 *
14.0	80.3	71.5	62 100 *
15.0	79.5	71.3	60 700 *
16.0	78.6	71.1	57 400
18.0	77.0	70.6	48 600
20.0	75.3	70.1	41 700
22.0	73.6	69.5	36 300
24.0	71.9	68.9	31 900
26.0	70.1	68.2	28 400
28.0	68.4	67.4	25 300
30.0	66.6	66.5	22 700
32.0	64.8	65.6	20 500
34.0	63.0	64.6	18 600
36.0	61.1	63.5	16 900
38.0	59.2	62.3	15 400
40.0	57.3	61.1	14 000
42.0	55.3	59.7	12 800
44.0	53.3	58.2	11 700
46.0	51.2	56.7	10 700
48.0	49.0	55.0	9 800
50.0	46.8	53.1	9 000
52.0	44.5	51.1	8 200
54.0	42.1	49.0	7 500
56.0	39.6	46.6	6 900
58.0	36.9	44.0	6 100 *
60.0	34.0	41.1	5 100 *
62.0	30.9	37.9	4 200 *
64.0	27.5	34.3	3 400 *
66.0	23.7	30.0	2 600 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82 or 22EL

99 610 kg Crane Counterweight

36 290 kg Carbody Counterweight

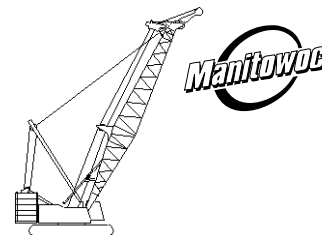
360 Degree Rating

999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) BOOM			
11.6	82.6	74.9	57 200 *
12.0	82.3	74.9	57 100 *
13.0	81.5	74.7	56 800 *
14.0	80.7	74.5	56 500 *
15.0	79.9	74.4	56 200 *
16.0	79.1	74.2	55 200
18.0	77.5	73.7	48 800
20.0	75.9	73.2	41 600
22.0	74.3	72.7	36 100
24.0	72.6	72.1	31 800
26.0	71.0	71.4	28 100
28.0	69.3	70.7	25 100
30.0	67.6	69.8	22 600
32.0	65.9	69.0	20 300
34.0	64.2	68.0	18 400
36.0	62.4	67.0	16 700
38.0	60.6	65.9	15 200
40.0	58.8	64.7	13 800
42.0	56.9	63.4	12 600
44.0	55.0	62.0	11 500
46.0	53.1	60.5	10 500
48.0	51.1	59.0	9 600
50.0	49.0	57.3	8 800
52.0	46.9	55.4	8 000
54.0	44.7	53.4	7 300
56.0	42.4	51.3	6 700
58.0	40.0	49.0	6 000
60.0	37.5	46.4	5 200 *
62.0	34.8	43.6	4 400 *
64.0	31.9	40.5	3 500 *
66.0	28.7	37.0	2 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
11.6	82.9	78.0	51 900 *
12.0	82.6	77.9	51 800 *
13.0	81.9	77.8	51 500 *
14.0	81.1	77.6	51 200 *
15.0	80.3	77.5	50 900 *
16.0	79.6	77.3	50 600 *
18.0	78.0	76.9	48 200
20.0	76.5	76.4	41 700
22.0	74.9	75.9	36 300
24.0	73.4	75.3	31 900
26.0	71.8	74.6	28 300
28.0	70.2	73.9	25 300
30.0	68.6	73.1	22 700
32.0	66.9	72.3	20 500
34.0	65.3	71.4	18 600
36.0	63.6	70.4	16 800
38.0	61.9	69.4	15 300
40.0	60.2	68.2	14 000
42.0	58.4	67.0	12 800
44.0	56.6	65.7	11 700
46.0	54.8	64.3	10 700
48.0	52.9	62.9	9 800
50.0	51.0	61.3	8 900
52.0	49.0	59.6	8 200
54.0	47.0	57.7	7 500
56.0	44.9	55.7	6 800
58.0	42.7	53.6	6 200
60.0	40.4	51.3	5 600
62.0	38.0	48.8	4 900 *
64.0	35.4	46.1	4 100 *
66.0	32.7	43.1	3 300 *
68.0	29.8	39.7	2 600 *
70.0	26.5	35.9	1 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.2	82.8	81.0	47 300 *
13.0	82.2	80.9	47 000 *
14.0	81.4	80.7	46 800 *
15.0	80.7	80.6	46 500 *
16.0	80.0	80.4	46 200 *
18.0	78.5	80.0	45 500 *
20.0	77.0	79.5	41 600
22.0	75.5	79.0	36 100
24.0	74.0	78.5	31 800
26.0	72.5	77.8	28 100
28.0	71.0	77.2	25 100
30.0	69.4	76.4	22 500
32.0	67.9	75.6	20 300
34.0	66.3	74.8	18 300
36.0	64.7	73.8	16 600
38.0	63.1	72.8	15 100
40.0	61.5	71.7	13 800
42.0	59.8	70.6	12 600
44.0	58.1	69.4	11 500
46.0	56.4	68.1	10 500
48.0	54.6	66.7	9 600
50.0	52.8	65.2	8 800
52.0	50.9	63.6	8 000
54.0	49.0	61.9	7 300
56.0	47.1	60.0	6 600
58.0	45.0	58.1	6 000
60.0	42.9	56.0	5 500
62.0	40.8	53.7	4 900
64.0	38.5	51.2	4 100 *
66.0	36.0	48.5	3 300 *
68.0	33.5	45.6	2 600 *
70.0	30.7	42.4	1 900 *



Liftcrane Boom Capacities

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

**Meets
ANSI B30.5
Requirements**

999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) BOOM			
12.2	83.0	84.1	43 100 *
13.0	82.5	84.0	42 900 *
14.0	81.8	83.8	42 600 *
15.0	81.1	83.7	42 300 *
16.0	80.3	83.5	42 100 *
18.0	78.9	83.1	41 500 *
20.0	77.5	82.7	40 700
22.0	76.1	82.2	36 000
24.0	74.6	81.6	31 500
26.0	73.2	81.0	27 900
28.0	71.7	80.4	24 900
30.0	70.2	79.7	22 300
32.0	68.7	78.9	20 100
34.0	67.2	78.1	18 100
36.0	65.7	77.2	16 400
38.0	64.2	76.2	14 900
40.0	62.6	75.2	13 500
42.0	61.0	74.1	12 300
44.0	59.4	73.0	11 300
46.0	57.8	71.7	10 200
48.0	56.1	70.4	9 300
50.0	54.4	69.0	8 500
52.0	52.6	67.5	7 800
54.0	50.9	65.9	7 100
56.0	49.0	64.2	6 400
58.0	47.1	62.3	5 800
60.0	45.2	60.4	5 200
62.0	43.2	58.3	4 700
64.0	41.1	56.0	3 900 *
66.0	38.9	53.6	3 200 *
68.0	36.6	51.0	2 500 *
70.0	34.2	48.1	1 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) BOOM			
12.8	82.9	87.1	38 900 *
13.0	82.7	87.0	38 800 *
14.0	82.1	86.9	38 600 *
15.0	81.4	86.7	38 300 *
16.0	80.7	86.6	38 100 *
18.0	79.3	86.2	37 500 *
20.0	78.0	85.8	37 000 *
22.0	76.6	85.3	35 700
24.0	75.2	84.8	31 400
26.0	73.8	84.2	27 700
28.0	72.4	83.6	24 700
30.0	71.0	82.9	22 100
32.0	69.5	82.2	19 900
34.0	68.1	81.4	17 900
36.0	66.6	80.5	16 200
38.0	65.2	79.6	14 700
40.0	63.7	78.6	13 400
42.0	62.1	77.6	12 100
44.0	60.6	76.5	11 000
46.0	59.1	75.3	10 100
48.0	57.5	74.0	9 100
50.0	55.9	72.7	8 300
52.0	54.2	71.3	7 500
54.0	52.5	69.8	6 800
56.0	50.8	68.2	6 200
58.0	49.0	66.5	5 600
60.0	47.2	64.6	5 000
62.0	45.3	62.7	4 500
64.0	43.4	60.6	3 900
66.0	41.4	58.4	3 200 *
68.0	39.3	56.0	2 500 *
70.0	37.1	53.4	1 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) BOOM			
13.4	82.7	90.1	35 400 *
14.0	82.3	90.0	35 300 *
15.0	81.7	89.8	35 000 *
16.0	81.0	89.7	34 800 *
18.0	79.7	89.3	34 300 *
20.0	78.4	88.9	33 700 *
22.0	77.1	88.5	33 200 *
24.0	75.7	88.0	31 300
26.0	74.4	87.4	27 600
28.0	73.0	86.8	24 500
30.0	71.7	86.1	21 900
32.0	70.3	85.4	19 700
34.0	68.9	84.7	17 700
36.0	67.5	83.9	16 000
38.0	66.1	83.0	14 500
40.0	64.6	82.0	13 200
42.0	63.2	81.0	12 000
44.0	61.7	80.0	10 800
46.0	60.2	78.9	9 800
48.0	58.7	77.7	9 000
50.0	57.2	76.4	8 100
52.0	55.6	75.0	7 400
54.0	54.0	73.6	6 700
56.0	52.4	72.1	6 000
58.0	50.7	70.5	5 400
60.0	49.0	68.8	4 800
62.0	47.3	66.9	4 300
64.0	45.5	65.0	3 800
66.0	43.6	62.9	3 100 *
68.0	41.7	60.7	2 400 *
70.0	39.7	58.4	1 800 *