

Liftcrane Boom Capacities

Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 2

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 213 200 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.

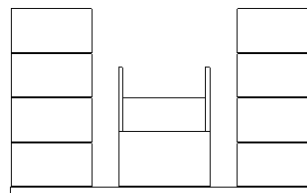
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8225-A**.

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.

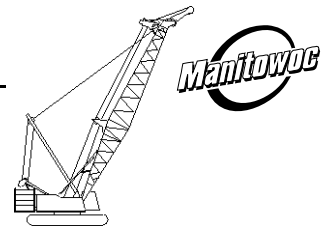
MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps or four 35 mm boom pendants, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

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



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

Boom Catwalks Deduct
Deduct 300 kg from capacities when boom catwalks are attached.



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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) 79.2m	—
85.3m	—	76.2m	—
82.3m	—	73.2m	—
79.2m	15.2m	70.1m	15.2m
76.2m	24.4m	67.1m	24.4m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 88.4m boom or over side of crawlers on 79.2m boom.			

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) 85.3m	—	(a) 79.2m	—
82.3m	—	76.2m	—
79.2m	12.2m	73.2m	—
76.2m	21.3m	70.1m	15.2m
73.2m	24.4m	67.1m	24.4m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 85.3m boom or over side of crawlers on 79.2m boom.			

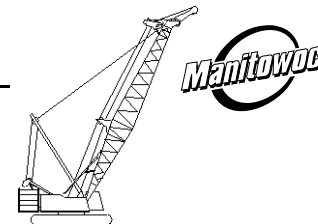
Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.9	82.8	23.5	213 200 *b ¹
5.0	82.5	23.5	208 500 *b
5.5	81.1	23.4	190 700 *b
6.0	79.7	23.3	175 800 *b
7.0	77.0	23.1	151 900 *b
8.0	74.2	22.8	133 400
9.0	71.3	22.5	115 100
10.0	68.4	22.1	97 100
11.0	65.5	21.6	84 100
12.0	62.5	21.1	74 000
13.0	59.3	20.5	65 900
14.0	56.1	19.8	59 200
15.0	52.7	19.0	53 700
16.0	49.1	18.1	49 000
18.0	41.3	16.0	41 500
20.0	31.9	13.2	35 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
5.2	83.0	26.6	201 300 *b
5.5	82.2	26.5	190 500 *b
6.0	81.0	26.4	175 500 *b
7.0	78.6	26.2	151 600 *b
8.0	76.2	26.0	133 200
9.0	73.8	25.7	115 200
10.0	71.3	25.3	97 200
11.0	68.8	24.9	84 100
12.0	66.2	24.5	74 000
13.0	63.5	24.0	65 900
14.0	60.9	23.4	59 200
15.0	58.1	22.8	53 700
16.0	55.2	22.1	49 000
18.0	49.1	20.4	41 500
20.0	42.4	18.4	35 800
22.0	34.5	15.7	31 200
24.0	24.5	11.9	27 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
5.8	82.5	29.6	181 300 *b
6.0	82.0	29.5	175 400 *b
7.0	79.9	29.3	151 400 *b
8.0	77.8	29.1	133 000 *
9.0	75.6	28.9	115 300
10.0	73.4	28.6	97 300
11.0	71.2	28.2	84 200
12.0	69.0	27.8	74 000
13.0	66.7	27.4	65 900
14.0	64.4	26.9	59 200
15.0	62.0	26.4	53 700
16.0	59.6	25.8	49 000
18.0	54.5	24.4	41 500
20.0	49.1	22.7	35 800
22.0	43.2	20.7	31 200
24.0	36.4	18.2	27 500
26.0	28.3	14.9	24 400

¹ See note on page 1.



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83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

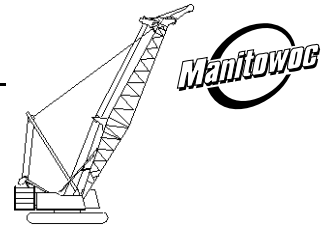
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ANSI B30.5
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999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.1	82.7	32.6	172 600 *b
7.0	80.9	32.5	151 300 *b
8.0	79.0	32.3	132 900 *
9.0	77.1	32.0	115 300
10.0	75.1	31.7	97 300
11.0	73.2	31.4	84 300
12.0	71.2	31.1	74 100
13.0	69.2	30.7	66 000
14.0	67.1	30.3	59 300
15.0	65.1	29.8	53 800
16.0	62.9	29.3	49 000
18.0	58.6	28.1	41 500
20.0	54.0	26.7	35 800
22.0	49.1	25.0	31 200
24.0	43.8	23.1	27 600
26.0	37.9	20.6	24 500
28.0	31.0	17.6	21 900
30.0	22.2	13.4	19 700
33.5m (110 Ft.) BOOM			
6.7	82.3	35.6	157 400 *
7.0	81.8	35.5	151 300 *
8.0	80.0	35.4	132 700 *
9.0	78.3	35.2	115 300
10.0	76.5	34.9	97 300
11.0	74.8	34.6	84 200
12.0	73.0	34.3	74 000
13.0	71.2	34.0	65 900
14.0	69.3	33.6	59 200
15.0	67.5	33.2	53 700
16.0	65.6	32.7	49 000
18.0	61.7	31.7	41 400
20.0	57.7	30.4	35 700
22.0	53.5	29.0	31 200
24.0	49.1	27.3	27 500
26.0	44.3	25.4	24 400
28.0	39.0	23.0	21 900
30.0	33.1	20.2	19 700
32.0	25.8	16.5	17 700
36.6m (120 Ft.) BOOM			
6.7	82.9	38.7	147 100 *
7.0	82.5	38.6	145 900 *
8.0	80.9	38.5	132 500 *
9.0	79.3	38.3	115 200
10.0	77.7	38.0	97 300
11.0	76.1	37.8	84 200
12.0	74.4	37.5	74 000
13.0	72.8	37.2	65 900
14.0	71.1	36.8	59 200
15.0	69.5	36.5	53 600
16.0	67.8	36.1	48 900
18.0	64.3	35.1	41 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
20.0	60.7	34.0	35 700
22.0	57.0	32.8	31 100
24.0	53.2	31.3	27 400
26.0	49.1	29.6	24 400
28.0	44.7	27.7	21 800
30.0	40.0	25.4	19 600
32.0	34.7	22.7	17 700
34.0	28.5	19.3	16 000
36.0	20.6	14.7	14 500
39.6m (130 Ft.) BOOM			
7.3	82.6	41.7	133 800 *
8.0	81.6	41.6	133 000 *
9.0	80.1	41.4	115 200
10.0	78.6	41.2	97 400
11.0	77.2	40.9	84 200
12.0	75.7	40.7	74 000
13.0	74.2	40.4	65 900
14.0	72.6	40.1	59 200
15.0	71.1	39.7	53 600
16.0	69.6	39.4	48 800
18.0	66.4	38.5	41 400
20.0	63.2	37.5	35 600
22.0	59.9	36.4	31 100
24.0	56.4	35.1	27 400
26.0	52.8	33.6	24 400
28.0	49.1	31.9	21 800
30.0	45.1	30.0	19 600
32.0	40.7	27.8	17 700
34.0	36.0	25.2	16 000
36.0	30.5	22.0	14 600
38.0	24.0	18.0	13 300
42.7m (140 Ft.) BOOM			
7.9	82.3	44.7	133 500 *
8.0	82.2	44.6	132 300 *
9.0	80.8	44.5	115 100
10.0	79.5	44.3	97 400
11.0	78.1	44.1	84 200
12.0	76.7	43.8	73 900
13.0	75.3	43.6	65 800
14.0	73.9	43.3	59 100
15.0	72.5	43.0	53 500
16.0	71.1	42.6	48 800
18.0	68.2	41.8	41 300
20.0	65.3	40.9	35 500
22.0	62.2	39.9	31 000
24.0	59.1	38.7	27 300
26.0	55.9	37.4	24 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
28.0	52.6	35.9	21 700
30.0	49.1	34.2	19 500
32.0	45.4	32.3	17 600
34.0	41.4	30.1	16 000
36.0	37.0	27.6	14 500
38.0	32.2	24.6	13 200
40.0	26.6	20.9	12 000
42.0	19.4	16.0	11 000
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	114 000
10.0	80.2	47.4	97 300
11.0	78.9	47.2	84 100
12.0	77.6	47.0	73 800
13.0	76.3	46.7	65 700
14.0	75.0	46.4	59 000
15.0	73.7	46.2	53 400
16.0	72.4	45.8	48 700
18.0	69.7	45.1	41 100
20.0	67.0	44.3	35 300
22.0	64.3	43.3	30 800
24.0	61.4	42.3	27 100
26.0	58.5	41.1	24 000
28.0	55.5	39.7	21 500
30.0	52.3	38.2	19 300
32.0	49.1	36.5	17 400
34.0	45.6	34.6	15 800
36.0	41.9	32.5	14 300
38.0	37.9	30.0	13 000
40.0	33.6	27.2	11 900
42.0	28.6	23.7	10 800
44.0	22.6	19.4	9 900



Liftcrane Boom Capacities

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ANSI B30.5
Requirements

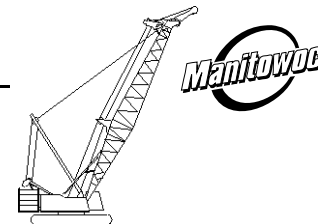
Boom No. 82 or 22EL
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

999 SERIES 2

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	97 800
11.0	79.6	50.3	84 000
12.0	78.4	50.1	73 800
13.0	77.2	49.9	65 600
14.0	76.0	49.6	58 900
15.0	74.8	49.3	53 300
16.0	73.5	49.0	48 500
18.0	71.1	48.4	41 000
20.0	68.5	47.6	35 200
22.0	66.0	46.7	30 700
24.0	63.4	45.7	27 000
26.0	60.7	44.6	23 900
28.0	57.9	43.4	21 400
30.0	55.1	42.1	19 200
32.0	52.1	40.5	17 300
34.0	49.1	38.8	15 600
36.0	45.8	37.0	14 200
38.0	42.4	34.8	12 900
40.0	38.7	32.4	11 800
42.0	34.7	29.7	10 700
44.0	30.2	26.4	9 800
46.0	25.0	22.5	8 900
48.0	18.5	17.3	8 100
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	98 200
11.0	80.2	53.4	84 000
12.0	79.1	53.2	73 700
13.0	78.0	53.0	65 500
14.0	76.8	52.8	58 800
15.0	75.7	52.5	53 200
16.0	74.5	52.2	48 400
18.0	72.2	51.6	40 900
20.0	69.9	50.9	35 100
22.0	67.5	50.1	30 600
24.0	65.1	49.2	26 900
26.0	62.6	48.1	23 800
28.0	60.0	47.0	21 300
30.0	57.4	45.8	19 100
32.0	54.7	44.4	17 200
34.0	52.0	42.8	15 500
36.0	49.1	41.1	14 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
38.0	46.0	39.3	12 800
40.0	42.8	37.2	11 600
42.0	39.4	34.8	10 600
44.0	35.7	32.1	9 700
46.0	31.6	29.1	8 800
48.0	27.0	25.4	8 000
50.0	21.5	20.8	7 300
54.9m (180 Ft.) BOOM			
9.1	82.7	56.8	93 600 *
10.0	81.8	56.7	92 900
11.0	80.8	56.5	83 900
12.0	79.7	56.3	73 600
13.0	78.6	56.1	65 400
14.0	77.6	55.9	58 700
15.0	76.5	55.6	53 000
16.0	75.4	55.4	48 300
18.0	73.2	54.8	40 700
20.0	71.0	54.1	35 000
22.0	68.8	53.4	30 400
24.0	66.5	52.5	26 700
26.0	64.2	51.6	23 700
28.0	61.9	50.5	21 100
30.0	59.5	49.4	18 900
32.0	57.0	48.1	17 000
34.0	54.4	46.7	15 400
36.0	51.8	45.1	13 900
38.0	49.0	43.4	12 600
40.0	46.2	41.6	11 500
42.0	43.2	39.5	10 500
44.0	40.0	37.2	9 500
46.0	36.6	34.6	8 700
48.0	32.8	31.6	7 900
50.0	28.6	28.2	7 200
52.0	23.8	24.0	6 500
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	83 900
12.0	80.3	59.4	73 500
13.0	79.2	59.2	65 300
14.0	78.2	59.0	58 500
15.0	77.2	58.8	52 900
16.0	76.2	58.5	48 200
18.0	74.2	58.0	40 600
20.0	72.1	57.3	34 800
22.0	70.0	56.6	30 200
24.0	67.8	55.8	26 500
26.0	65.7	54.9	23 500
28.0	63.5	54.0	20 900
30.0	61.2	52.9	18 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
32.0	58.9	51.7	16 800
34.0	56.6	50.4	15 200
36.0	54.1	49.0	13 700
38.0	51.6	47.4	12 400
40.0	49.0	45.7	11 300
42.0	46.3	43.9	10 300
44.0	43.5	41.8	9 300
46.0	40.5	39.6	8 500
48.0	37.3	37.0	7 700
50.0	33.9	34.2	7 000
52.0	30.0	30.9	6 300
54.0	25.7	27.0	5 700
56.0	20.5	22.1	5 100
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	80 100
12.0	80.7	62.5	73 800
13.0	79.8	62.3	65 200
14.0	78.8	62.1	58 400
15.0	77.9	61.9	52 800
16.0	76.9	61.7	48 000
18.0	75.0	61.2	40 500
20.0	73.0	60.6	34 700
22.0	71.0	59.9	30 100
24.0	69.0	59.1	26 300
26.0	67.0	58.3	23 300
28.0	64.9	57.4	20 700
30.0	62.8	56.4	18 500
32.0	60.7	55.3	16 600
34.0	58.5	54.1	15 000
36.0	56.2	52.7	13 500
38.0	53.9	51.3	12 300
40.0	51.5	49.7	11 100
42.0	49.0	48.0	10 100
44.0	46.5	46.2	9 100
46.0	43.8	44.2	8 300
48.0	41.0	41.9	7 500
50.0	38.0	39.4	6 800
52.0	34.8	36.6	6 200
54.0	31.2	33.5	5 600
56.0	27.3	29.8	5 000
58.0	22.8	25.4	4 500



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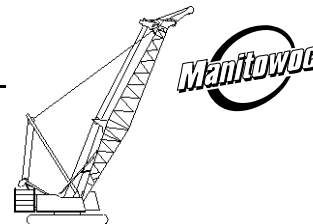
Meets
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Requirements

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	73 200
13.0	80.3	65.4	65 000
14.0	79.4	65.2	58 300
15.0	78.5	65.0	52 700
16.0	77.5	64.8	47 900
18.0	75.7	64.3	40 300
20.0	73.8	63.7	34 500
22.0	72.0	63.1	29 900
24.0	70.1	62.4	26 200
26.0	68.1	61.6	23 200
28.0	66.2	60.7	20 600
30.0	64.2	59.8	18 400
32.0	62.2	58.8	16 500
34.0	60.1	57.6	14 900
36.0	58.0	56.4	13 400
38.0	55.9	55.1	12 100
40.0	53.7	53.6	10 900
42.0	51.4	52.0	9 900
44.0	49.0	50.3	9 000
46.0	46.6	48.5	8 100
48.0	44.1	46.5	7 400
50.0	41.4	44.3	6 700
52.0	38.6	41.8	6 000
54.0	35.6	39.1	5 400
56.0	32.3	36.1	4 900
58.0	28.7	32.6	4 300
60.0	24.6	28.5	3 900
62.0	19.7	23.4	3 400
67.1m (220 Ft.) BOOM			
10.4	83.0	68.9	70 300 *
11.0	82.5	68.8	70 100 *
12.0	81.6	68.7	69 800 *
13.0	80.7	68.5	65 100
14.0	79.9	68.3	58 200
15.0	79.0	68.2	52 500
16.0	78.1	67.9	47 800
18.0	76.4	67.5	40 200
20.0	74.6	66.9	34 300
22.0	72.8	66.3	29 800
24.0	71.0	65.6	26 100
26.0	69.2	64.9	23 000
28.0	67.3	64.1	20 400
30.0	65.5	63.2	18 200
32.0	63.6	62.2	16 300
34.0	61.6	61.1	14 700
36.0	59.6	60.0	13 200
38.0	57.6	58.7	11 900
40.0	55.6	57.4	10 800
42.0	53.5	55.9	9 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
44.0	51.3	54.4	8 800
46.0	49.0	52.6	8 000
48.0	46.7	50.8	7 200
50.0	44.3	48.8	6 500
52.0	41.8	46.6	5 800
54.0	39.1	44.2	5 200
56.0	36.3	41.6	4 700
58.0	33.2	38.6	4 100
60.0	29.9	35.3	3 700
62.0	26.2	31.4	3 200
64.0	21.9	26.8	2 800
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	62 400
14.0	80.3	71.4	58 100
15.0	79.5	71.3	52 400
16.0	78.6	71.1	47 600
18.0	77.0	70.6	40 000
20.0	75.3	70.1	34 200
22.0	73.6	69.5	29 600
24.0	71.9	68.9	25 900
26.0	70.1	68.2	22 800
28.0	68.4	67.4	20 200
30.0	66.6	66.5	18 000
32.0	64.8	65.6	16 100
34.0	63.0	64.6	14 500
36.0	61.1	63.5	13 000
38.0	59.2	62.3	11 700
40.0	57.3	61.1	10 500
42.0	55.3	59.7	9 500
44.0	53.3	58.2	8 600
46.0	51.2	56.7	7 700
48.0	49.0	54.9	7 000
50.0	46.8	53.1	6 300
52.0	44.5	51.1	5 600
54.0	42.1	48.9	5 000
56.0	39.6	46.6	4 400
58.0	36.9	44.0	3 900
60.0	34.0	41.1	3 400
62.0	30.9	37.9	3 000
64.0	27.5	34.3	2 600
66.0	23.7	30.0	2 200

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	52 400
16.0	79.1	74.2	47 400
18.0	77.5	73.7	39 800
20.0	75.9	73.2	34 000
22.0	74.3	72.7	29 400
24.0	72.6	72.1	25 700
26.0	71.0	71.4	22 600
28.0	69.3	70.7	20 000
30.0	67.6	69.8	17 800
32.0	65.9	69.0	15 900
34.0	64.2	68.0	14 300
36.0	62.4	67.0	12 800
38.0	60.6	65.9	11 500
40.0	58.8	64.7	10 400
42.0	56.9	63.4	9 300
44.0	55.0	62.0	8 400
46.0	53.1	60.5	7 500
48.0	51.1	59.0	6 800
50.0	49.0	57.2	6 100
52.0	46.9	55.4	5 400
54.0	44.7	53.4	4 800
56.0	42.4	51.3	4 300
58.0	40.0	49.0	3 700
60.0	37.5	46.4	3 300
62.0	34.8	43.6	2 800
64.0	31.9	40.5	2 400
66.0	28.7	37.0	2 000



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82 or 22EL

83 730 kg Crane Counterweight

19 960 kg Carbody Counterweight

360 Degree Rating

999 SERIES 2

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	48 700
18.0	78.0	76.9	40 000
20.0	76.5	76.4	34 200
22.0	74.9	75.9	29 500
24.0	73.4	75.3	25 800
26.0	71.8	74.6	22 800
28.0	70.2	73.9	20 200
30.0	68.6	73.1	18 000
32.0	66.9	72.3	16 100
34.0	65.3	71.4	14 400
36.0	63.6	70.4	12 900
38.0	61.9	69.4	11 700
40.0	60.2	68.2	10 500
42.0	58.4	67.0	9 500
44.0	56.6	65.7	8 600
46.0	54.8	64.3	7 700
48.0	52.9	62.8	6 900
50.0	51.0	61.3	6 200
52.0	49.0	59.5	5 600
54.0	47.0	57.7	5 000
56.0	44.9	55.7	4 400
58.0	42.7	53.6	3 900
60.0	40.4	51.3	3 400
62.0	38.0	48.8	3 000
64.0	35.4	46.1	2 500
66.0	32.7	43.1	2 100
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	45 600
18.0	78.5	80.0	40 200
20.0	77.0	79.5	34 000
22.0	75.5	79.0	29 400
24.0	74.0	78.5	25 600
26.0	72.5	77.8	22 600
28.0	71.0	77.2	20 000
30.0	69.4	76.4	17 800
32.0	67.9	75.6	15 900
34.0	66.3	74.8	14 200
36.0	64.7	73.8	12 800
38.0	63.1	72.8	11 500
40.0	61.5	71.7	10 300
42.0	59.8	70.6	9 300
44.0	58.1	69.4	8 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
46.0	56.4	68.1	7 500
48.0	54.6	66.7	6 700
50.0	52.8	65.2	6 000
52.0	50.9	63.6	5 400
54.0	49.0	61.8	4 800
56.0	47.1	60.0	4 200
58.0	45.0	58.1	3 700
60.0	42.9	56.0	3 200
62.0	40.8	53.7	2 800
64.0	38.5	51.2	2 400
66.0	36.0	48.5	1 900
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	83.6	42 300 *
16.0	80.3	83.5	42 100 *
18.0	78.9	83.1	39 500
20.0	77.5	82.7	33 800
22.0	76.1	82.2	29 200
24.0	74.6	81.6	25 400
26.0	73.2	81.0	22 400
28.0	71.7	80.4	19 800
30.0	70.2	79.7	17 600
32.0	68.7	78.9	15 600
34.0	67.2	78.1	14 000
36.0	65.7	77.2	12 500
38.0	64.2	76.2	11 300
40.0	62.6	75.2	10 100
42.0	61.0	74.1	9 100
44.0	59.4	72.9	8 100
46.0	57.8	71.7	7 300
48.0	56.1	70.4	6 500
50.0	54.4	69.0	5 800
52.0	52.6	67.5	5 200
54.0	50.9	65.9	4 500
56.0	49.0	64.1	4 000
58.0	47.1	62.3	3 500
60.0	45.2	60.4	3 000
62.0	43.2	58.3	2 500
64.0	41.1	56.0	2 100
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	33 700
22.0	76.6	85.3	29 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) BOOM			
24.0	75.2	84.8	25 300
26.0	73.8	84.2	22 200
28.0	72.4	83.6	19 600
30.0	71.0	82.9	17 300
32.0	69.5	82.2	15 500
34.0	68.1	81.4	13 800
36.0	66.6	80.5	12 300
38.0	65.2	79.6	11 000
40.0	63.7	78.6	9 900
42.0	62.1	77.6	8 900
44.0	60.6	76.5	7 900
46.0	59.1	75.3	7 000
48.0	57.5	74.0	6 300
50.0	55.9	72.7	5 600
52.0	54.2	71.3	4 900
54.0	52.5	69.8	4 300
56.0	50.8	68.2	3 800
58.0	49.0	66.4	3 200
60.0	47.2	64.6	2 800
62.0	45.3	62.7	2 300
64.0	43.4	60.6	1 900
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	33 500
22.0	77.1	88.4	28 800
24.0	75.7	87.9	25 100
26.0	74.4	87.4	22 000
28.0	73.0	86.8	19 400
30.0	71.7	86.1	17 200
32.0	70.3	85.4	15 300
34.0	68.9	84.7	13 600
36.0	67.5	83.9	12 100
38.0	66.1	83.0	10 800
40.0	64.6	82.0	9 700
42.0	63.2	81.0	8 700
44.0	61.7	80.0	7 700
46.0	60.2	78.8	6 900
48.0	58.7	77.6	6 100
50.0	57.2	76.4	5 400
52.0	55.6	75.0	4 700
54.0	54.0	73.6	4 200
56.0	52.4	72.1	3 600
58.0	50.7	70.5	3 100
60.0	49.0	68.7	2 600
62.0	47.3	66.9	2 100