



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
(includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom

999 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4.0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*).

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

Weight of jib, all load blocks, hooks, weight ball, slings, etc., beneath boom and jib point sheaves, is considered part of main boom load. Reeved hoist line included in boom weight. 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. 196100** and Wire Rope Specification chart **No. 8337-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.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Wind speed to be measured at boom point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees. Lower boom onto blocking at ground level when wind is above 22 m/s for boom lengths 36.6m thru 88.4m, or above 16 m/s for boom lengths 91.4m thru 97.5m.

MACHINE TRAVEL: Machine to travel on a firm, level [up to 1 percent (0.5 degrees) grade] and uniformly supporting

surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8316-B**.

MAX PERMISSIBLE SLEWING SPEED: Slew operation with working load shall not exceed 0.4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2.5 seconds.

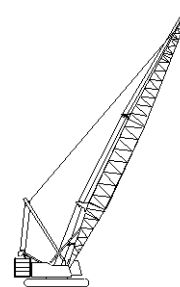
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Deduct From Capacities When Jib Is Attached		
Jib Length	Jib No. 134	Jib No. 123
9.1m	1 220 kg	1 130 kg
12.2m	1 590 kg	1 410 kg
15.2m	1 950 kg	1 680 kg
18.3m	2 310 kg	2 000 kg
21.3m	2 770 kg	—
24.4m	3 220 kg	—

Boom Catwalks Deduct
Deduct 350 kg from capacities when boom catwalks are attached.



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
(includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom

10 m/s with 57.9m thru 73.2m Boom

7 m/s with 76.2m thru 97.5m Boom

999 SERIES 2
WITHOUT BOOM CATWALKS
Maximum Boom and Jib Lengths Lifted Unassisted

Over End of Blocked Crawlers			Over Side of Crawlers		
Boom Length	Jib No. 134	Jib No. 123	Boom Length	Jib No. 134	Jib No. 123
(c) 97.5m	—	—	(a) 88.4m	—	—
94.5m	—	—	85.3m	—	(c) 9.1m
91.4m	—	(c) 9.1m - 12.2m	82.3m	(c) 9.1m - 12.2m	(c) 12.2m - 15.2m
88.4m	(c) 9.1m - 15.2m	(c) 12.2m - 18.3m	82.3m	—	9.1m
88.4m	—	9.1m	79.2m	(c) 15.2m - 21.3m	(c) 18.3m
85.3m	(c) 18.3m - 24.4m	18.3m	79.2m	12.2m	15.2m
85.3m	(b) 15.2m	—	76.2m	(c) 24.4m	18.3m
85.3m	12.2m	—	76.2m	21.3m	—
82.3m	24.4m	—	73.2m	24.4m	—

Load block, hook and weight ball on ground at start.

(a) Upper boom point must be removed.

(b) Machine must be equipped with optional lowerworks jacking cylinders.

(c) Raising reserve is less than 10% tip weight.

WITH BOOM CATWALKS
Maximum Boom and Jib Lengths Lifted Unassisted

Over End of Blocked Crawlers			Over Side of Crawlers		
Boom Length	Jib No. 134	Jib No. 123	Boom Length	Jib No. 134	Jib No. 123
(c) 97.5m	—	—	(c) 88.4m	—	—
(a) 94.5m	—	—	85.3m	—	—
91.4m	—	(c) 9.1m	82.3m	(b)(c) 9.1m - 12.2m	(c) 9.1m - 15.2m
88.4m	(c) 9.1m - 12.2m	(b)(c) 12.2m - 18.3m	79.2m	(b)(c) 12.2m - 21.3m	(c) 18.3m
88.4m	—	(b) 9.1m	79.2m	9.1m	(b) 15.2m
85.3m	(c) 15.2m - 21.3m	(c) 18.3m	79.2m	—	12.2m
85.3m	12.2m	15.2m	76.2m	(c) 21.3m - 24.4m	18.3m
82.3m	(c) 24.4m	18.3m	76.2m	18.3m	—
82.3m	21.3m	—	73.2m	24.4m	—
79.2m	24.4m	—	—	—	—

Load block, hook and weight ball on ground at start.

(a) Upper boom point must be removed.

(b) Machine must be equipped with optional lowerworks jacking cylinders.

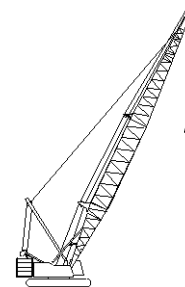
(c) Raising reserve is less than 10% tip weight.

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



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
 (includes all jib lengths)

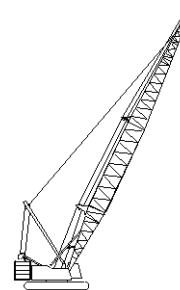
14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom


999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) Boom			
7.3	80.9	38.6	120 400 *
8.0	79.8	38.5	116 400
9.0	78.2	38.3	101 900
10.0	76.6	38.1	90 700
11.0	75.0	37.8	81 600
12.0	73.4	37.5	74 100
13.0	71.7	37.2	67 800
14.0	70.1	36.9	62 300
15.0	68.4	36.5	57 600
16.0	66.7	36.1	53 200
18.0	63.2	35.1	45 100
20.0	59.7	34.1	39 000
22.0	56.0	32.8	34 200
24.0	52.1	31.3	30 300
26.0	48.0	29.7	27 200
28.0	43.6	27.7	24 500
30.0	38.9	25.4	22 200
32.0	33.6	22.7	20 300
34.0	27.4	19.3	18 600
36.0	19.5	14.7	17 200
39.6m (130 Ft.) Boom			
7.9	80.7	41.6	113 700
8.0	80.6	41.6	112 600
9.0	79.1	41.4	99 100
10.0	77.6	41.2	88 400
11.0	76.2	41.0	79 700
12.0	74.7	40.7	72 400
13.0	73.2	40.4	66 300
14.0	71.6	40.1	61 000
15.0	70.1	39.7	56 500
16.0	68.6	39.4	52 400
18.0	65.4	38.5	44 900
20.0	62.2	37.5	38 800
22.0	58.9	36.4	34 000
24.0	55.4	35.1	30 100
26.0	51.9	33.6	26 900
28.0	48.1	32.0	24 300
30.0	44.1	30.0	22 000
32.0	39.7	27.8	20 100
34.0	35.0	25.2	18 400
36.0	29.5	22.0	17 000
38.0	23.0	18.0	15 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) Boom			
8.5	80.5	44.6	102 100
9.0	79.9	44.5	96 500
10.0	78.5	44.3	86 200
11.0	77.2	44.1	77 800
12.0	75.8	43.9	70 800
13.0	74.4	43.6	64 800
14.0	73.0	43.3	59 700
15.0	71.6	43.0	55 400
16.0	70.2	42.6	51 500
18.0	67.3	41.8	44 600
20.0	64.3	40.9	38 600
22.0	61.3	39.9	33 800
24.0	58.2	38.8	29 900
26.0	55.0	37.4	26 700
28.0	51.7	36.0	24 100
30.0	48.1	34.3	21 800
32.0	44.4	32.4	19 900
34.0	40.4	30.2	18 200
36.0	36.1	27.6	16 700
38.0	31.3	24.6	15 400
40.0	25.6	20.9	14 300
42.0	18.5	16.0	13 300
45.7m (150 Ft.) Boom			
9.1	80.4	47.6	92 300
10.0	79.3	47.4	84 100
11.0	78.0	47.2	76 000
12.0	76.8	47.0	69 200
13.0	75.5	46.7	63 500
14.0	74.2	46.5	58 500
15.0	72.9	46.2	54 200
16.0	71.5	45.9	50 400
18.0	68.9	45.1	44 100
20.0	66.2	44.3	38 400
22.0	63.4	43.4	33 600
24.0	60.6	42.3	29 700
26.0	57.6	41.1	26 500
28.0	54.6	39.8	23 800
30.0	51.5	38.3	21 500
32.0	48.2	36.6	19 600
34.0	44.7	34.7	17 900
36.0	41.1	32.5	16 500
38.0	37.1	30.0	15 200
40.0	32.7	27.2	14 000
42.0	27.7	23.7	13 000
44.0	21.7	19.4	12 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) Boom			
9.1	81.0	50.7	90 000
10.0	80.0	50.5	82 000
11.0	78.8	50.3	74 200
12.0	77.6	50.1	67 700
13.0	76.4	49.9	62 100
14.0	75.2	49.6	57 300
15.0	74.0	49.4	53 100
16.0	72.7	49.1	49 400
18.0	70.3	48.4	43 300
20.0	67.7	47.6	38 300
22.0	65.2	46.7	33 400
24.0	62.6	45.8	29 500
26.0	59.9	44.7	26 300
28.0	57.1	43.4	23 600
30.0	54.3	42.1	21 300
32.0	51.3	40.6	19 400
34.0	48.2	38.9	17 700
36.0	45.0	37.0	16 200
38.0	41.6	34.9	14 800
40.0	37.9	32.5	13 700
42.0	33.9	29.7	12 700
44.0	29.4	26.4	11 800
46.0	24.2	22.5	11 000
51.8m (170 Ft.) Boom			
9.8	80.9	53.6	82 100
10.0	80.6	53.6	80 100
11.0	79.5	53.4	72 500
12.0	78.3	53.2	66 200
13.0	77.2	53.0	60 800
14.0	76.1	52.8	56 100
15.0	74.9	52.5	52 000
16.0	73.8	52.2	48 400
18.0	71.5	51.6	42 400
20.0	69.1	50.9	37 500
22.0	66.7	50.1	33 200
24.0	64.3	49.2	29 200
26.0	61.8	48.2	26 000
28.0	59.3	47.0	23 400
30.0	56.7	45.8	21 100
32.0	54.0	44.4	19 100
34.0	51.2	42.9	17 400
36.0	48.3	41.2	15 900
38.0	45.3	39.3	14 600
40.0	42.1	37.2	13 400
42.0	38.6	34.8	12 400
44.0	34.9	32.2	11 500
46.0	30.9	29.1	10 700
48.0	26.2	25.4	9 900
50.0	20.7	20.8	9 300



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
 (includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) Boom			
10.4	80.7	56.6	75 400
11.0	80.1	56.5	71 000
12.0	79.0	56.3	64 800
13.0	77.9	56.1	59 600
14.0	76.9	55.9	55 100
15.0	75.8	55.7	51 100
16.0	74.7	55.4	47 600
18.0	72.5	54.8	41 700
20.0	70.3	54.1	37 000
22.0	68.1	53.4	32 900
24.0	65.8	52.5	29 200
26.0	63.5	51.6	25 900
28.0	61.1	50.5	23 300
30.0	58.7	49.4	21 000
32.0	56.3	48.1	19 000
34.0	53.7	46.7	17 300
36.0	51.1	45.2	15 800
38.0	48.3	43.5	14 400
40.0	45.5	41.6	13 300
42.0	42.5	39.5	12 200
44.0	39.3	37.2	11 300
46.0	35.8	34.6	10 400
48.0	32.1	31.6	9 700
50.0	27.9	28.2	9 100
52.0	23.1	24.0	8 400
57.9m (190 Ft.) Boom			
11.0	80.6	59.6	69 500
12.0	79.6	59.4	63 400
13.0	78.6	59.2	58 300
14.0	77.6	59.0	53 900
15.0	76.5	58.8	50 100
16.0	75.5	58.6	46 600
18.0	73.5	58.0	40 900
20.0	71.4	57.4	36 200
22.0	69.3	56.7	32 400
24.0	67.2	55.9	28 900
26.0	65.0	55.0	25 700
28.0	62.8	54.0	23 000
30.0	60.5	52.9	20 700
32.0	58.2	51.7	18 700
34.0	55.9	50.4	17 000
36.0	53.5	49.0	15 500

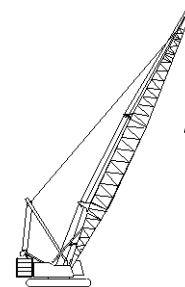
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) Boom			
38.0	51.0	47.5	14 200
40.0	48.4	45.8	13 000
42.0	45.7	43.9	12 000
44.0	42.8	41.8	11 100
46.0	39.8	39.6	10 200
48.0	36.6	37.0	9 400
50.0	33.2	34.2	8 800
52.0	29.4	30.9	8 200
54.0	25.0	27.0	7 600
56.0	19.8	22.1	7 100
61.0m (200 Ft.) Boom			
11.6	80.5	62.6	64 400
12.0	80.1	62.5	62 100
13.0	79.1	62.4	57 200
14.0	78.2	62.2	52 900
15.0	77.2	61.9	49 100
16.0	76.3	61.7	45 800
18.0	74.3	61.2	40 100
20.0	72.4	60.6	35 600
22.0	70.4	59.9	31 800
24.0	68.4	59.2	28 600
26.0	66.3	58.3	25 600
28.0	64.3	57.4	22 900
30.0	62.2	56.4	20 600
32.0	60.0	55.3	18 600
34.0	57.8	54.1	16 800
36.0	55.6	52.8	15 300
38.0	53.2	51.3	14 000
40.0	50.9	49.8	12 800
42.0	48.4	48.1	11 800
44.0	45.8	46.2	10 800
46.0	43.1	44.2	10 000
48.0	40.3	41.9	9 200
50.0	37.3	39.4	8 500
52.0	34.1	36.7	7 800
54.0	30.6	33.5	7 300
56.0	26.7	29.8	6 800
58.0	22.1	25.4	6 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) Boom			
11.6	81.0	65.7	63 000
12.0	80.6	65.6	60 800
13.0	79.7	65.5	55 900
14.0	78.8	65.3	51 700
15.0	77.8	65.1	48 100
16.0	76.9	64.8	44 800
18.0	75.1	64.3	39 300
20.0	73.2	63.8	34 800
22.0	71.3	63.1	31 100
24.0	69.4	62.4	27 900
26.0	67.5	61.6	25 300
28.0	65.6	60.8	22 600
30.0	63.6	59.8	20 300
32.0	61.6	58.8	18 300
34.0	59.5	57.6	16 600
36.0	57.4	56.4	15 000
38.0	55.3	55.1	13 700
40.0	53.1	53.6	12 500
42.0	50.8	52.1	11 500
44.0	48.4	50.4	10 500
46.0	46.0	48.5	9 700
48.0	43.4	46.5	8 900
50.0	40.8	44.3	8 200
52.0	37.9	41.8	7 600
54.0	34.9	39.1	7 000
56.0	31.7	36.1	6 400
58.0	28.1	32.6	6 000
60.0	24.0	28.5	5 500
62.0	19.1	23.5	5 100



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
 (includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom


999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) Boom			
12.2	80.8	68.7	58 500
13.0	80.1	68.6	54 700
14.0	79.3	68.4	50 600
15.0	78.4	68.2	47 100
16.0	77.5	68.0	43 900
18.0	75.8	67.5	38 500
20.0	74.0	66.9	34 100
22.0	72.2	66.3	30 400
24.0	70.4	65.7	27 300
26.0	68.6	64.9	24 700
28.0	66.7	64.1	22 400
30.0	64.9	63.2	20 000
32.0	63.0	62.2	18 000
34.0	61.0	61.2	16 300
36.0	59.1	60.0	14 800
38.0	57.0	58.8	13 400
40.0	55.0	57.4	12 300
42.0	52.9	55.9	11 200
44.0	50.7	54.4	10 200
46.0	48.5	52.7	9 400
48.0	46.1	50.8	8 600
50.0	43.7	48.8	7 900
52.0	41.2	46.6	7 200
54.0	38.5	44.2	6 700
56.0	35.7	41.6	6 100
58.0	32.6	38.6	5 600
60.0	29.3	35.3	5 200
62.0	25.6	31.5	4 800
64.0	21.3	26.8	4 400
70.1m (230 Ft.) Boom			
12.8	80.7	71.7	54 600
13.0	80.6	71.6	53 800
14.0	79.7	71.5	49 800
15.0	78.9	71.3	46 300
16.0	78.1	71.1	43 200
18.0	76.4	70.6	37 900
20.0	74.7	70.1	33 600
22.0	73.0	69.5	30 000
24.0	71.3	68.9	26 900
26.0	69.6	68.2	24 300
28.0	67.8	67.4	22 100
30.0	66.0	66.5	20 000
32.0	64.2	65.6	18 000
34.0	62.4	64.6	16 300
36.0	60.5	63.5	14 700
38.0	58.6	62.4	13 400
40.0	56.7	61.1	12 200
42.0	54.7	59.7	11 100
44.0	52.7	58.3	10 200

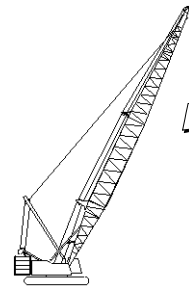
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) Boom			
46.0	50.6	56.7	9 300
48.0	48.5	55.0	8 500
50.0	46.3	53.1	7 800
52.0	43.9	51.1	7 100
54.0	41.5	49.0	6 500
56.0	39.0	46.6	6 000
58.0	36.3	44.0	5 500
60.0	33.5	41.2	5 000
62.0	30.4	37.9	4 600
64.0	27.0	34.3	4 200
66.0	23.1	30.0	3 900
68.0	18.5	24.7	3 500
73.2m (240 Ft.) Boom			
13.4	80.6	74.7	50 900
14.0	80.2	74.6	48 700
15.0	79.4	74.4	45 300
16.0	78.6	74.2	42 200
18.0	77.0	73.8	37 000
20.0	75.4	73.3	32 800
22.0	73.7	72.7	29 300
24.0	72.1	72.1	26 300
26.0	70.5	71.4	23 700
28.0	68.8	70.7	21 500
30.0	67.1	69.9	19 500
32.0	65.4	69.0	17 600
34.0	63.6	68.0	15 900
36.0	61.9	67.0	14 400
38.0	60.1	65.9	13 000
40.0	58.3	64.7	11 800
42.0	56.4	63.4	10 800
44.0	54.5	62.0	9 800
46.0	52.6	60.6	8 900
48.0	50.6	59.0	8 100
50.0	48.5	57.3	7 400
52.0	46.4	55.4	6 700
54.0	44.2	53.5	6 100
56.0	41.9	51.3	5 600
58.0	39.5	49.0	5 100
60.0	36.9	46.4	4 600
62.0	34.2	43.6	4 200
64.0	31.3	40.5	3 800
66.0	28.2	37.0	3 400
68.0	24.7	33.0	3 100
70.0	20.6	28.2	2 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) Boom			
13.4	81.0	77.8	50 000
14.0	80.6	77.7	47 800
15.0	79.8	77.5	44 500
16.0	79.0	77.3	41 500
18.0	77.5	76.9	36 500
20.0	76.0	76.4	32 300
22.0	74.4	75.9	28 800
24.0	72.8	75.3	25 900
26.0	71.3	74.6	23 400
28.0	69.7	73.9	21 200
30.0	68.1	73.2	19 200
32.0	66.4	72.3	17 600
34.0	64.8	71.4	15 900
36.0	63.1	70.4	14 300
38.0	61.4	69.4	13 000
40.0	59.7	68.3	11 800
42.0	57.9	67.0	10 700
44.0	56.1	65.7	9 700
46.0	54.3	64.4	8 900
48.0	52.4	62.9	8 000
50.0	50.5	61.3	7 300
52.0	48.5	59.6	6 600
54.0	46.5	57.7	6 100
56.0	44.4	55.8	5 500
58.0	42.2	53.6	5 000
60.0	39.9	51.3	4 500
62.0	37.5	48.8	4 100
64.0	34.9	46.1	3 700
66.0	32.2	43.1	3 300
68.0	29.3	39.7	2 900
70.0	26.0	35.9	2 600
72.0	22.3	31.5	2 300
74.0	18.0	26.0	2 100
79.2m (260 Ft.) Boom			
14.0	80.9	80.7	46 800
15.0	80.2	80.6	43 600
16.0	79.5	80.4	40 700
18.0	78.0	80.0	35 700
20.0	76.5	79.5	31 600
22.0	75.0	79.0	28 200
24.0	73.5	78.5	25 300
26.0	72.0	77.9	22 800
28.0	70.5	77.2	20 600
30.0	68.9	76.4	18 700
32.0	67.4	75.6	17 100
34.0	65.8	74.8	15 500
36.0	64.2	73.8	14 100
38.0	62.6	72.8	12 700
40.0	61.0	71.8	11 500



Liftcrane Boom Capacities

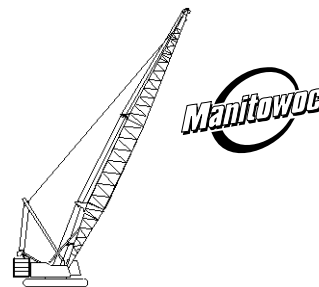
Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
 (includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom
999 SERIES 2


Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) Boom			
42.0	59.3	70.6	10 400
44.0	57.6	69.4	9 500
46.0	55.9	68.1	8 600
48.0	54.1	66.7	7 800
50.0	52.3	65.2	7 000
52.0	50.4	63.6	6 400
54.0	48.5	61.9	5 800
56.0	46.6	60.0	5 200
58.0	44.5	58.1	4 700
60.0	42.4	56.0	4 200
62.0	40.3	53.7	3 800
64.0	38.0	51.2	3 400
66.0	35.6	48.6	3 000
68.0	33.0	45.6	2 600
70.0	30.2	42.4	2 300
72.0	27.2	38.7	2 000
82.3m (270 Ft.) Boom			
14.6	80.8	83.7	43 000 *
15.0	80.6	83.7	42 400
16.0	79.9	83.5	40 200
18.0	78.5	83.1	34 900
20.0	77.0	82.7	30 900
22.0	75.6	82.2	27 600
24.0	74.2	81.7	24 700
26.0	72.7	81.1	22 300
28.0	71.2	80.4	20 100
30.0	69.8	79.7	18 200
32.0	68.3	78.9	16 600
34.0	66.8	78.1	15 100
36.0	65.2	77.2	13 800
38.0	63.7	76.3	12 400
40.0	62.1	75.2	11 300
42.0	60.5	74.1	10 200
44.0	58.9	73.0	9 200
46.0	57.3	71.7	8 300
48.0	55.6	70.4	7 500
50.0	53.9	69.0	6 800
52.0	52.2	67.5	6 100
54.0	50.4	65.9	5 500
56.0	48.6	64.2	4 900
58.0	46.7	62.3	4 400
60.0	44.7	60.4	3 900
62.0	42.7	58.3	3 500
64.0	40.6	56.1	3 100
66.0	38.4	53.6	2 700
68.0	36.1	51.0	2 300
70.0	33.7	48.1	2 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) Boom			
15.2	80.8	86.7	38 800 *
16.0	80.2	86.6	38 000
18.0	78.9	86.2	34 600
20.0	77.5	85.8	30 500
22.0	76.1	85.3	27 200
24.0	74.7	84.8	24 300
26.0	73.3	84.2	21 900
28.0	71.9	83.6	19 800
30.0	70.5	82.9	17 900
32.0	69.1	82.2	16 300
34.0	67.6	81.4	14 800
36.0	66.2	80.6	13 500
38.0	64.7	79.6	12 300
40.0	63.2	78.7	11 200
42.0	61.7	77.6	10 100
44.0	60.2	76.5	9 100
46.0	58.6	75.3	8 200
48.0	57.0	74.1	7 400
50.0	55.4	72.7	6 700
52.0	53.7	71.3	6 000
54.0	52.1	69.8	5 400
56.0	50.3	68.2	4 800
58.0	48.6	66.5	4 300
60.0	46.8	64.6	3 800
62.0	44.9	62.7	3 300
64.0	42.9	60.6	2 900
66.0	40.9	58.4	2 500
68.0	38.8	56.0	2 100
70.0	36.6	53.4	1 800
88.4m (290 Ft.) Boom			
16.8	80.1	89.6	35 300 *
18.0	79.3	89.3	33 500
20.0	77.9	88.9	29 800
22.0	76.6	88.5	26 600
24.0	75.3	88.0	23 800
26.0	73.9	87.4	21 300
28.0	72.6	86.8	19 300
30.0	71.2	86.2	17 400
32.0	69.8	85.5	15 800
34.0	68.4	84.7	14 400
36.0	67.0	83.9	13 000
38.0	65.6	83.0	11 900
40.0	64.2	82.1	10 800
42.0	62.7	81.1	9 800
44.0	61.3	80.0	8 800
46.0	59.8	78.9	7 900
48.0	58.3	77.7	7 100
50.0	56.7	76.4	6 400
52.0	55.2	75.0	5 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) Boom			
54.0	53.6	73.6	5 100
56.0	52.0	72.1	4 500
58.0	50.3	70.5	4 000
60.0	48.6	68.8	3 500
62.0	46.8	67.0	3 100
64.0	45.0	65.0	2 600
66.0	43.2	62.9	2 300
68.0	41.2	60.7	1 900
91.4m (300 Ft.) Boom			
16.8	80.4	92.6	32 400 *
18.0	79.6	92.4	32 100 *
20.0	78.3	92.0	29 200
22.0	77.1	91.6	25 900
24.0	75.8	91.1	23 200
26.0	74.5	90.6	20 800
28.0	73.2	90.0	18 800
30.0	71.9	89.4	17 000
32.0	70.5	88.7	15 300
34.0	69.2	88.0	13 900
36.0	67.8	87.2	12 600
38.0	66.5	86.3	11 400
40.0	65.1	85.4	10 400
42.0	63.7	84.5	9 400
44.0	62.3	83.5	8 600
46.0	60.9	82.4	7 700
48.0	59.5	81.2	6 900
50.0	58.0	80.0	6 100
52.0	56.5	78.7	5 500
54.0	55.0	77.4	4 800
56.0	53.4	75.9	4 300
58.0	51.9	74.4	3 700
60.0	50.2	72.8	3 300
62.0	48.6	71.1	2 800
64.0	46.9	69.3	2 400
66.0	45.2	67.3	1 900
94.5m (310 Ft.) Boom			
16.8	80.7	95.7	31 900 *
18.0	80.0	95.5	31 600 *
20.0	78.7	95.1	28 700
22.0	77.5	94.7	25 600
24.0	76.2	94.3	22 900
26.0	75.0	93.7	20 500
28.0	73.7	93.2	18 500
30.0	72.5	92.6	16 700
32.0	71.2	91.9	15 100
34.0	69.9	91.2	13 700
36.0	68.6	90.5	12 400
38.0	67.3	89.6	11 300



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating
Maximum Operating Wind Speeds
 (includes all jib lengths)

14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 97.5m Boom

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
94.5m (310 Ft.) Boom			
40.0	66.0	88.8	10 200
42.0	64.6	87.9	9 300
44.0	63.3	86.9	8 400
46.0	61.9	85.9	7 600
48.0	60.5	84.8	6 800
50.0	59.1	83.6	6 100
52.0	57.7	82.4	5 400
54.0	56.3	81.1	4 800
56.0	54.8	79.7	4 200
58.0	53.3	78.2	3 700
60.0	51.8	76.7	3 200
62.0	50.2	75.1	2 700
64.0	48.6	73.4	2 300
97.5m (320 Ft.) Boom			
16.8	81.0	98.8	29 600 *
18.0	80.3	98.6	29 300 *
20.0	79.1	98.3	28 100
22.0	77.9	97.8	24 900
24.0	76.7	97.4	22 300
26.0	75.5	96.9	20 000
28.0	74.2	96.4	18 000
30.0	73.0	95.8	16 200
32.0	71.8	95.1	14 600
34.0	70.6	94.5	13 200
36.0	69.3	93.7	11 900
38.0	68.0	92.9	10 800
40.0	66.8	92.1	9 700
42.0	65.5	91.2	8 800
44.0	64.2	90.3	7 900
46.0	62.9	89.3	7 100
48.0	61.5	88.2	6 400
50.0	60.2	87.1	5 700
52.0	58.8	85.9	5 100
54.0	57.5	84.7	4 500
56.0	56.0	83.4	3 900
58.0	54.6	82.0	3 300
60.0	53.2	80.5	2 900
62.0	51.7	79.0	2 400
64.0	50.2	77.4	1 900