

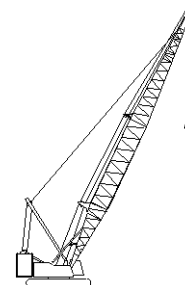


Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom



999 SERIES 3

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 91.4 thru 103.6m.

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

Boom Catwalks Deduct

Deduct 350 kg from capacities when boom catwalks are attached.

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	—



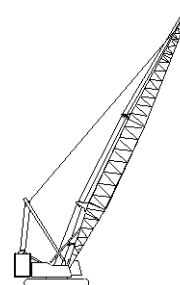
Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom

999 SERIES 3



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
(a) 103.6m	—	—	(a)(b) 97.5m	—	—
100.6m	—	—	94.5m	—	—
97.5m	—	—	91.4m	(c) 9.1m	(c) 9.1m - 15.2m
94.5m	—	—	88.4m	(c) 12.2m - 18.3m	(c) 15.2m - 18.3m
91.4m	(c) 24.4m	18.3m	88.4m	9.1m	12.2m
91.4m	21.3m		85.3m	(c) 21.3m - 24.4m	18.3m
88.4m	24.4m		85.3m	(b) 18.3m	
			85.3m	15.2m	
			82.3m	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
(a)(b) 103.6m	—	—	(c) 97.5m	—	—
100.6m	—	—	94.5m	—	—
97.5m	—	—	91.4m	(c) 9.1m	(c) 9.1m - 12.2m
94.5m	—	—	88.4m	(c) 9.1m - 15.2m	(c) 12.2m - 18.3m
91.4m	(c) 21.3m - 24.4m	18.3m	88.4m		9.1m
91.4m	18.3m		85.3m	(c) 18.3m - 24.4m	18.3m
88.4m	24.4m		85.3m	15.2m	
			82.3m	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.



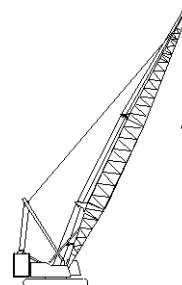
Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom

999 SERIES 3



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) Boom			
7.3	80.9	38.6	119 200 *
8.0	79.8	38.5	118 600 *
9.0	78.2	38.3	110 300 *
10.0	76.6	38.1	102 000 *
11.0	75.0	37.8	94 900 *
12.0	73.4	37.5	88 300
13.0	71.7	37.2	80 900
14.0	70.1	36.9	74 500
15.0	68.4	36.5	69 000
16.0	66.7	36.1	63 800
18.0	63.2	35.1	54 200
20.0	59.7	34.1	47 000
22.0	56.0	32.8	41 400
24.0	52.1	31.3	36 800
26.0	48.0	29.7	33 100
28.0	43.6	27.7	30 000
30.0	38.9	25.4	27 300
32.0	33.6	22.7	25 000
34.0	27.4	19.3	22 400 *
36.0	19.5	14.7	19 400 *
39.6m (130 Ft.) Boom			
7.9	80.7	41.6	119 100 *
8.0	80.6	41.6	119 100 *
9.0	79.1	41.4	115 200 *
10.0	77.6	41.2	105 400
11.0	76.2	41.0	95 000
12.0	74.7	40.7	86 400
13.0	73.2	40.4	79 200
14.0	71.6	40.1	73 000
15.0	70.1	39.7	67 700
16.0	68.6	39.4	62 900
18.0	65.4	38.5	54 100
20.0	62.2	37.5	46 800
22.0	58.9	36.4	41 200
24.0	55.4	35.1	36 600
26.0	51.9	33.6	32 900
28.0	48.1	32.0	29 800
30.0	44.1	30.0	27 100
32.0	39.7	27.8	24 800
34.0	35.0	25.2	22 800
36.0	29.5	22.0	20 900
38.0	23.0	18.0	18 500 *

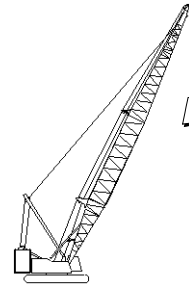
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) Boom			
8.5	80.5	44.6	119 000 *
9.0	79.9	44.5	114 200
10.0	78.5	44.3	102 600
11.0	77.2	44.1	92 800
12.0	75.8	43.9	84 500
13.0	74.4	43.6	77 500
14.0	73.0	43.3	71 600
15.0	71.6	43.0	66 400
16.0	70.2	42.6	61 800
18.0	67.3	41.8	53 800
20.0	64.3	40.9	46 700
22.0	61.3	39.9	41 000
24.0	58.2	38.8	36 400
26.0	55.0	37.4	32 700
28.0	51.7	36.0	29 500
30.0	48.1	34.3	26 800
32.0	44.4	32.4	24 500
34.0	40.4	30.2	22 600
36.0	36.1	27.6	20 800
38.0	31.3	24.6	19 300
40.0	25.6	20.9	17 400 *
42.0	18.5	16.0	15 300 *
45.7m (150 Ft.) Boom			
9.1	80.4	47.6	109 900
10.0	79.3	47.4	100 100
11.0	78.0	47.2	90 700
12.0	76.8	47.0	82 700
13.0	75.5	46.7	75 900
14.0	74.2	46.5	70 100
15.0	72.9	46.2	65 100
16.0	71.5	45.9	60 600
18.0	68.9	45.1	53 200
20.0	66.2	44.3	46 400
22.0	63.4	43.4	40 700
24.0	60.6	42.3	36 200
26.0	57.6	41.1	32 400
28.0	54.6	39.8	29 300
30.0	51.5	38.3	26 600
32.0	48.2	36.6	24 300
34.0	44.7	34.7	22 300
36.0	41.1	32.5	20 600
38.0	37.1	30.0	19 100
40.0	32.7	27.2	17 700
42.0	27.7	23.7	16 300
44.0	21.7	19.4	14 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) Boom			
9.1	81.0	50.7	105 600 *
10.0	80.0	50.5	97 900
11.0	78.8	50.3	88 600
12.0	77.6	50.1	80 900
13.0	76.4	49.9	74 400
14.0	75.2	49.6	68 700
15.0	74.0	49.4	63 800
16.0	72.7	49.1	59 500
18.0	70.3	48.4	52 300
20.0	67.7	47.6	46 300
22.0	65.2	46.7	40 600
24.0	62.6	45.8	36 000
26.0	59.9	44.7	32 200
28.0	57.1	43.4	29 100
30.0	54.3	42.1	26 400
32.0	51.3	40.6	24 100
34.0	48.2	38.9	22 000
36.0	45.0	37.0	20 300
38.0	41.6	34.9	18 800
40.0	37.9	32.5	17 400
42.0	33.9	29.7	16 200
44.0	29.4	26.4	15 100
46.0	24.2	22.5	13 500 *
51.8m (170 Ft.) Boom			
9.8	80.9	53.6	97 800
10.0	80.6	53.6	95 500
11.0	79.5	53.4	86 600
12.0	78.3	53.2	79 200
13.0	77.2	53.0	72 800
14.0	76.1	52.8	67 400
15.0	74.9	52.5	62 600
16.0	73.8	52.2	58 300
18.0	71.5	51.6	51 300
20.0	69.1	50.9	45 600
22.0	66.7	50.1	40 400
24.0	64.3	49.2	35 800
26.0	61.8	48.2	32 000
28.0	59.3	47.0	28 800
30.0	56.7	45.8	26 100
32.0	54.0	44.4	23 800
34.0	51.2	42.9	21 800
36.0	48.3	41.2	20 100
38.0	45.3	39.3	18 500
40.0	42.1	37.2	17 100
42.0	38.6	34.8	15 900
44.0	34.9	32.2	14 800
46.0	30.9	29.1	13 800
48.0	26.2	25.4	12 600 *
50.0	20.7	20.8	11 200 *



Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom
999 SERIES 3


Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) Boom			
10.4	80.7	56.6	90 000
11.0	80.1	56.5	84 800
12.0	79.0	56.3	77 600
13.0	77.9	56.1	71 500
14.0	76.9	55.9	66 100
15.0	75.8	55.7	61 500
16.0	74.7	55.4	57 400
18.0	72.5	54.8	50 500
20.0	70.3	54.1	44 900
22.0	68.1	53.4	40 200
24.0	65.8	52.5	35 700
26.0	63.5	51.6	31 900
28.0	61.1	50.5	28 700
30.0	58.7	49.4	26 000
32.0	56.3	48.1	23 700
34.0	53.7	46.7	21 700
36.0	51.1	45.2	19 900
38.0	48.3	43.5	18 300
40.0	45.5	41.6	17 000
42.0	42.5	39.5	15 700
44.0	39.3	37.2	14 700
46.0	35.8	34.6	13 700
48.0	32.1	31.6	12 800
50.0	27.9	28.2	11 800
52.0	23.1	24.0	10 500 *
57.9m (190 Ft.) Boom			
11.0	80.6	59.6	83 100
12.0	79.6	59.4	76 000
13.0	78.6	59.2	70 000
14.0	77.6	59.0	64 900
15.0	76.5	58.8	60 300
16.0	75.5	58.6	56 300
18.0	73.5	58.0	49 600
20.0	71.4	57.4	44 100
22.0	69.3	56.7	39 500
24.0	67.2	55.9	35 500
26.0	65.0	55.0	31 700
28.0	62.8	54.0	28 500
30.0	60.5	52.9	25 800
32.0	58.2	51.7	23 500
34.0	55.9	50.4	21 400
36.0	53.5	49.0	19 600
38.0	51.0	47.5	18 100
40.0	48.4	45.8	16 700
42.0	45.7	43.9	15 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) Boom			
44.0	42.8	41.8	14 400
46.0	39.8	39.6	13 400
48.0	36.6	37.0	12 500
50.0	33.2	34.2	11 700
52.0	29.4	30.9	10 900
54.0	25.0	27.0	9 900 *
56.0	19.8	22.1	8 700 *
61.0m (200 Ft.) Boom			
11.6	80.5	62.6	77 200
12.0	80.1	62.5	74 500
13.0	79.1	62.4	68 700
14.0	78.2	62.2	63 600
15.0	77.2	61.9	59 200
16.0	76.3	61.7	55 300
18.0	74.3	61.2	48 700
20.0	72.4	60.6	43 300
22.0	70.4	59.9	38 900
24.0	68.4	59.2	35 100
26.0	66.3	58.3	31 500
28.0	64.3	57.4	28 300
30.0	62.2	56.4	25 600
32.0	60.0	55.3	23 300
34.0	57.8	54.1	21 300
36.0	55.6	52.8	19 500
38.0	53.2	51.3	17 900
40.0	50.9	49.8	16 500
42.0	48.4	48.1	15 300
44.0	45.8	46.2	14 100
46.0	43.1	44.2	13 100
48.0	40.3	41.9	12 200
50.0	37.3	39.4	11 400
52.0	34.1	36.7	10 600
54.0	30.6	33.5	9 900
56.0	26.7	29.8	9 100
58.0	22.1	25.4	8 100 *
64.0m (210 Ft.) Boom			
11.6	81.0	65.7	75 500
12.0	80.6	65.6	72 900
13.0	79.7	65.5	67 300
14.0	78.8	65.3	62 400
15.0	77.8	65.1	58 100
16.0	76.9	64.8	54 200
18.0	75.1	64.3	47 800
20.0	73.2	63.8	42 500
22.0	71.3	63.1	38 100
24.0	69.4	62.4	34 500
26.0	67.5	61.6	31 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) Boom			
28.0	65.6	60.8	28 000
30.0	63.6	59.8	25 400
32.0	61.6	58.8	23 000
34.0	59.5	57.6	21 000
36.0	57.4	56.4	19 200
38.0	55.3	55.1	17 600
40.0	53.1	53.6	16 200
42.0	50.8	52.1	15 000
44.0	48.4	50.4	13 800
46.0	46.0	48.5	12 800
48.0	43.4	46.5	11 900
50.0	40.8	44.3	11 100
52.0	37.9	41.8	10 300
54.0	34.9	39.1	9 600
56.0	31.7	36.1	9 000
58.0	28.1	32.6	8 300 *
60.0	24.0	28.5	7 400 *
62.0	19.1	23.5	6 400 *
67.1m (220 Ft.) Boom			
12.2	80.8	68.7	69 100 *
13.0	80.1	68.6	66 000
14.0	79.3	68.4	61 100
15.0	78.4	68.2	56 900
16.0	77.5	68.0	53 200
18.0	75.8	67.5	46 900
20.0	74.0	66.9	41 700
22.0	72.2	66.3	37 400
24.0	70.4	65.7	33 800
26.0	68.6	64.9	30 700
28.0	66.7	64.1	27 800
30.0	64.9	63.2	25 100
32.0	63.0	62.2	22 700
34.0	61.0	61.2	20 700
36.0	59.1	60.0	18 900
38.0	57.0	58.8	17 400
40.0	55.0	57.4	15 900
42.0	52.9	55.9	14 700
44.0	50.7	54.4	13 600
46.0	48.5	52.7	12 600
48.0	46.1	50.8	11 600
50.0	43.7	48.8	10 800
52.0	41.2	46.6	10 000
54.0	38.5	44.2	9 300
56.0	35.7	41.6	8 700
58.0	32.6	38.6	8 100
60.0	29.3	35.3	7 500
62.0	25.6	31.5	6 700 *
64.0	21.3	26.8	5 900 *



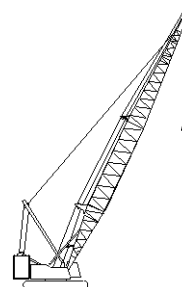
Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom

999 SERIES 3



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) Boom			
12.8	80.7	71.7	62 500 *
13.0	80.6	71.6	62 400 *
14.0	79.7	71.5	60 200
15.0	78.9	71.3	56 000
16.0	78.1	71.1	52 400
18.0	76.4	70.6	46 200
20.0	74.7	70.1	41 200
22.0	73.0	69.5	36 900
24.0	71.3	68.9	33 300
26.0	69.6	68.2	30 300
28.0	67.8	67.4	27 600
30.0	66.0	66.5	25 100
32.0	64.2	65.6	22 700
34.0	62.4	64.6	20 600
36.0	60.5	63.5	18 900
38.0	58.6	62.4	17 300
40.0	56.7	61.1	15 900
42.0	54.7	59.7	14 600
44.0	52.7	58.3	13 500
46.0	50.6	56.7	12 500
48.0	48.5	55.0	11 500
50.0	46.3	53.1	10 700
52.0	43.9	51.1	9 900
54.0	41.5	49.0	9 200
56.0	39.0	46.6	8 600
58.0	36.3	44.0	8 000
60.0	33.5	41.2	7 400
62.0	30.4	37.9	6 900
64.0	27.0	34.3	6 100 *
66.0	23.1	30.0	5 400 *
68.0	18.5	24.7	4 600 *
73.2m (240 Ft.) Boom			
13.4	80.6	74.7	56 700 *
14.0	80.2	74.6	56 500 *
15.0	79.4	74.4	55 100
16.0	78.6	74.2	51 300
18.0	77.0	73.8	45 300
20.0	75.4	73.3	40 300
22.0	73.7	72.7	36 100
24.0	72.1	72.1	32 600
26.0	70.5	71.4	29 600
28.0	68.8	70.7	27 000
30.0	67.1	69.9	24 600
32.0	65.4	69.0	22 400
34.0	63.6	68.0	20 300
36.0	61.9	67.0	18 500
38.0	60.1	65.9	16 900
40.0	58.3	64.7	15 500
42.0	56.4	63.4	14 300
44.0	54.5	62.0	13 100

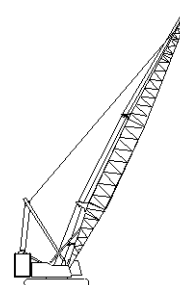
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) Boom			
46.0	52.6	60.6	12 100
48.0	50.6	59.0	11 200
50.0	48.5	57.3	10 300
52.0	46.4	55.4	9 500
54.0	44.2	53.5	8 800
56.0	41.9	51.3	8 200
58.0	39.5	49.0	7 600
60.0	36.9	46.4	7 000
62.0	34.2	43.6	6 500
64.0	31.3	40.5	6 000
66.0	28.2	37.0	5 400 *
68.0	24.7	33.0	4 600 *
70.0	20.6	28.2	3 900 *
76.2m (250 Ft.) Boom			
13.4	81.0	77.8	51 600 *
14.0	80.6	77.7	51 300 *
15.0	79.8	77.5	51 000 *
16.0	79.0	77.3	49 900
18.0	77.5	76.9	44 800
20.0	76.0	76.4	39 700
22.0	74.4	75.9	35 600
24.0	72.8	75.3	32 200
26.0	71.3	74.6	29 200
28.0	69.7	73.9	26 600
30.0	68.1	73.2	24 400
32.0	66.4	72.3	22 300
34.0	64.8	71.4	20 300
36.0	63.1	70.4	18 500
38.0	61.4	69.4	16 900
40.0	59.7	68.3	15 500
42.0	57.9	67.0	14 200
44.0	56.1	65.7	13 100
46.0	54.3	64.4	12 000
48.0	52.4	62.9	11 100
50.0	50.5	61.3	10 200
52.0	48.5	59.6	9 500
54.0	46.5	57.7	8 700
56.0	44.4	55.8	8 100
58.0	42.2	53.6	7 500
60.0	39.9	51.3	6 900
62.0	37.5	48.8	6 400
64.0	34.9	46.1	5 900
66.0	32.2	43.1	5 400
68.0	29.3	39.7	4 800 *
70.0	26.0	35.9	4 200 *
72.0	22.3	31.5	3 500 *
74.0	18.0	26.0	2 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) Boom			
14.0	80.9	80.7	47 000 *
15.0	80.2	80.6	46 700 *
16.0	79.5	80.4	46 300 *
18.0	78.0	80.0	43 800
20.0	76.5	79.5	39 000
22.0	75.0	79.0	34 900
24.0	73.5	78.5	31 500
26.0	72.0	77.9	28 600
28.0	70.5	77.2	26 100
30.0	68.9	76.4	23 900
32.0	67.4	75.6	21 900
34.0	65.8	74.8	20 000
36.0	64.2	73.8	18 200
38.0	62.6	72.8	16 600
40.0	61.0	71.8	15 200
42.0	59.3	70.6	13 900
44.0	57.6	69.4	12 800
46.0	55.9	68.1	11 700
48.0	54.1	66.7	10 800
50.0	52.3	65.2	10 000
52.0	50.4	63.6	9 200
54.0	48.5	61.9	8 500
56.0	46.6	60.0	7 800
58.0	44.5	58.1	7 200
60.0	42.4	56.0	6 600
62.0	40.3	53.7	6 100
64.0	38.0	51.2	5 600
66.0	35.6	48.6	5 200
68.0	33.0	45.6	4 700
70.0	30.2	42.4	4 200
72.0	27.2	38.7	3 600 *
74.0	23.9	34.5	3 000 *
76.0	20.0	29.6	2 300 *



Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom
999 SERIES 3


Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) Boom			
14.6	80.8	83.7	43 000 *
15.0	80.6	83.7	42 900 *
16.0	79.9	83.5	42 500 *
18.0	78.5	83.1	41 900 *
20.0	77.0	82.7	38 200
22.0	75.6	82.2	34 300
24.0	74.2	81.7	30 900
26.0	72.7	81.1	28 000
28.0	71.2	80.4	25 500
30.0	69.8	79.7	23 300
32.0	68.3	78.9	21 400
34.0	66.8	78.1	19 600
36.0	65.2	77.2	18 000
38.0	63.7	76.3	16 400
40.0	62.1	75.2	14 900
42.0	60.5	74.1	13 700
44.0	58.9	73.0	12 500
46.0	57.3	71.7	11 500
48.0	55.6	70.4	10 500
50.0	53.9	69.0	9 700
52.0	52.2	67.5	8 900
54.0	50.4	65.9	8 200
56.0	48.6	64.2	7 500
58.0	46.7	62.3	6 900
60.0	44.7	60.4	6 300
62.0	42.7	58.3	5 800
64.0	40.6	56.1	5 300
66.0	38.4	53.6	4 800
68.0	36.1	51.0	4 400
70.0	33.7	48.1	4 000
72.0	31.1	45.0	3 500 *
74.0	28.3	41.5	2 900 *
76.0	25.2	37.5	2 400 *

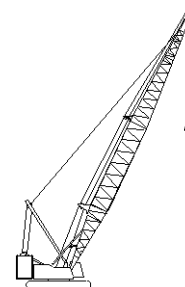
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) Boom			
15.2	80.8	86.7	38 800 *
16.0	80.2	86.6	38 600 *
18.0	78.9	86.2	38 000 *
20.0	77.5	85.8	37 300
22.0	76.1	85.3	33 900
24.0	74.7	84.8	30 500
26.0	73.3	84.2	27 600
28.0	71.9	83.6	25 100
30.0	70.5	82.9	23 000
32.0	69.1	82.2	21 000
34.0	67.6	81.4	19 300
36.0	66.2	80.6	17 800
38.0	64.7	79.6	16 300
40.0	63.2	78.7	14 900
42.0	61.7	77.6	13 600
44.0	60.2	76.5	12 400
46.0	58.6	75.3	11 400
48.0	57.0	74.1	10 400
50.0	55.4	72.7	9 600
52.0	53.7	71.3	8 800
54.0	52.1	69.8	8 100
56.0	50.3	68.2	7 400
58.0	48.6	66.5	6 800
60.0	46.8	64.6	6 200
62.0	44.9	62.7	5 700
64.0	42.9	60.6	5 200
66.0	40.9	58.4	4 700
68.0	38.8	56.0	4 200
70.0	36.6	53.4	3 900
72.0	34.3	50.6	3 400
74.0	31.9	47.5	2 900 *
76.0	29.2	44.2	2 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) Boom			
16.8	80.1	89.6	35 300 *
18.0	79.3	89.3	35 000 *
20.0	77.9	88.9	34 400 *
22.0	76.6	88.5	33 200
24.0	75.3	88.0	29 900
26.0	73.9	87.4	27 000
28.0	72.6	86.8	24 600
30.0	71.2	86.2	22 400
32.0	69.8	85.5	20 500
34.0	68.4	84.7	18 800
36.0	67.0	83.9	17 300
38.0	65.6	83.0	15 900
40.0	64.2	82.1	14 600
42.0	62.7	81.1	13 300
44.0	61.3	80.0	12 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) Boom			
46.0	59.8	78.9	11 100
48.0	58.3	77.7	10 200
50.0	56.7	76.4	9 300
52.0	55.2	75.0	8 500
54.0	53.6	73.6	7 800
56.0	52.0	72.1	7 100
58.0	50.3	70.5	6 500
60.0	48.6	68.8	5 900
62.0	46.8	67.0	5 400
64.0	45.0	65.0	4 900
66.0	43.2	62.9	4 400
68.0	41.2	60.7	4 000
70.0	39.2	58.4	3 600
72.0	37.1	55.8	3 200
74.0	34.9	53.1	2 800
76.0	32.6	50.1	2 300 *
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	31 600 *
22.0	77.1	91.6	31 000 *
24.0	75.8	91.1	29 400
26.0	74.5	90.6	26 500
28.0	73.2	90.0	24 100
30.0	71.9	89.4	21 900
32.0	70.5	88.7	20 000
34.0	69.2	88.0	18 300
36.0	67.8	87.2	16 800
38.0	66.5	86.3	15 500
40.0	65.1	85.4	14 200
42.0	63.7	84.5	13 100
44.0	62.3	83.5	11 900
46.0	60.9	82.4	10 900
48.0	59.5	81.2	9 900
50.0	58.0	80.0	9 000
52.0	56.5	78.7	8 200
54.0	55.0	77.4	7 500
56.0	53.4	75.9	6 800
58.0	51.9	74.4	6 200
60.0	50.2	72.8	5 600
62.0	48.6	71.1	5 100
64.0	46.9	69.3	4 600
66.0	45.2	67.3	4 200
68.0	43.4	65.3	3 700
70.0	41.5	63.1	3 300
72.0	39.6	60.7	2 900
74.0	37.6	58.2	2 600
76.0	35.5	55.5	2 200



Liftcrane Boom Capacities

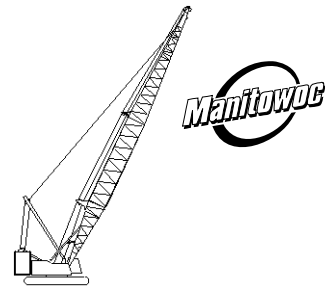
Boom No. 82LR
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating
**Maximum Operating Wind Speeds
(includes all jib lengths)**
14 m/s with 36.6m thru 54.9m Boom
10 m/s with 57.9m thru 73.2m Boom
7 m/s with 76.2m thru 103.6m Boom


999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	30 400 *
22.0	77.5	94.7	28 300 *
24.0	76.2	94.3	26 600 *
26.0	75.0	93.7	25 100 *
28.0	73.7	93.2	23 700
30.0	72.5	92.6	21 700
32.0	71.2	91.9	19 800
34.0	69.9	91.2	18 100
36.0	68.6	90.5	16 600
38.0	67.3	89.6	15 300
40.0	66.0	88.8	14 100
42.0	64.6	87.9	12 900
44.0	63.3	86.9	11 800
46.0	61.9	85.9	10 800
48.0	60.5	84.8	9 900
50.0	59.1	83.6	9 000
52.0	57.7	82.4	8 200
54.0	56.3	81.1	7 500
56.0	54.8	79.7	6 800
58.0	53.3	78.2	6 200
60.0	51.8	76.7	5 600
62.0	50.2	75.1	5 000
64.0	48.6	73.4	4 500
66.0	47.0	71.6	4 100
68.0	45.3	69.6	3 600
70.0	43.6	67.6	3 200
72.0	41.8	65.4	2 800
74.0	39.9	63.1	2 500
76.0	38.0	60.6	2 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	28 800 *
22.0	77.9	97.8	27 200 *
24.0	76.7	97.4	25 500 *
26.0	75.5	96.9	24 100 *
28.0	74.2	96.4	22 800
30.0	73.0	95.8	21 200
32.0	71.8	95.1	19 200
34.0	70.6	94.5	17 600
36.0	69.3	93.7	16 100
38.0	68.0	92.9	14 800
40.0	66.8	92.1	13 600
42.0	65.5	91.2	12 400
44.0	64.2	90.3	11 400
46.0	62.9	89.3	10 500
48.0	61.5	88.2	9 500
50.0	60.2	87.1	8 700
52.0	58.8	85.9	7 900
54.0	57.5	84.7	7 200
56.0	56.0	83.4	6 500
58.0	54.6	82.0	5 800
60.0	53.2	80.5	5 200
62.0	51.7	79.0	4 700
64.0	50.2	77.4	4 200
66.0	48.6	75.7	3 700
68.0	47.0	73.9	3 300
70.0	45.4	71.9	2 900
72.0	43.7	69.9	2 500
74.0	42.0	67.8	2 100
76.0	40.2	65.5	1 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
100.6m (330 Ft.) Boom			
18.3	80.4	101.7	26 000 *
20.0	79.4	101.4	26 000 *
22.0	78.3	101.0	26 000 *
24.0	77.1	100.5	25 100 *
26.0	75.9	100.0	23 600 *
28.0	74.7	99.5	22 300 *
30.0	73.6	99.0	20 900
32.0	72.4	98.3	19 000
34.0	71.2	97.7	17 400
36.0	70.0	97.0	15 900
38.0	68.7	96.2	14 600
40.0	67.5	95.4	13 400
42.0	66.3	94.6	12 300
44.0	65.0	93.7	11 300
46.0	63.8	92.7	10 300
48.0	62.5	91.7	9 500
50.0	61.2	90.6	8 700
52.0	59.9	89.5	7 900
54.0	58.6	88.3	7 100
56.0	57.2	87.0	6 500
58.0	55.8	85.7	5 800
60.0	54.5	84.3	5 200
62.0	53.0	82.9	4 700
64.0	51.6	81.3	4 200
66.0	50.1	79.7	3 700
68.0	48.6	78.0	3 300
70.0	47.1	76.2	2 800
72.0	45.5	74.3	2 500
74.0	43.9	72.2	2 100



Liftcrane Boom Capacities

Boom No. 82LR
99 610 kg Crane Counterweight
36 290 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 103.6m Boom

999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
103.6m (340 Ft.) Boom			
18.3	80.7	104.8	25 200 *
20.0	79.7	104.5	24 900 *
22.0	78.6	104.1	24 500 *
24.0	77.5	103.7	23 900 *
26.0	76.3	103.2	22 600 *
28.0	75.2	102.7	21 400 *
30.0	74.1	102.1	20 200
32.0	72.9	101.5	18 600
34.0	71.7	100.9	17 000
36.0	70.6	100.2	15 500
38.0	69.4	99.5	14 200
40.0	68.2	98.7	13 000
42.0	67.0	97.9	11 900
44.0	65.8	97.0	10 900
46.0	64.6	96.1	9 900
48.0	63.4	95.1	9 100
50.0	62.1	94.1	8 300
52.0	60.9	93.0	7 600
54.0	59.6	91.8	6 900
56.0	58.3	90.6	6 200
58.0	57.0	89.4	5 500
60.0	55.6	88.0	5 000
62.0	54.3	86.6	4 400
64.0	52.9	85.2	3 900
66.0	51.5	83.6	3 400
68.0	50.1	82.0	3 000
70.0	48.6	80.3	2 600
72.0	47.2	78.5	2 200