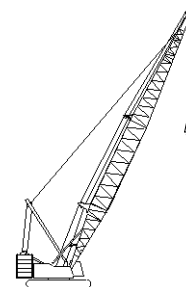




Liftcrane Boom Capacities

Boom No. 82LR
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 (*).

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, 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.

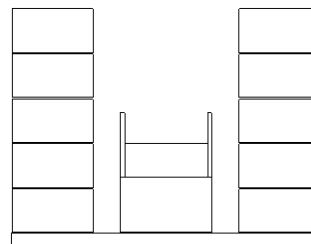
OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. 196100** and Wire Rope Specification chart **No. 8315-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, 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. 8316-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, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.



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

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	—	—	97.5m	—	—
100.6m	—	—	94.5m	—	—
97.5m	—	—	91.4m	9.1m	(b) 15.2m
94.5m	—	—	88.4m	(b) 18.3m	18.3m
91.4m	24.4m	18.3m	85.3m	24.4m	18.3m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 103.6m boom. (b) When equipped with boom catwalks, this combination of boom and jib length cannot be raised.					

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

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



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82LR
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
36.6m (120 Ft.) Boom			
7.3	80.9	38.6	120 400 *
8.0	79.8	38.5	119 600 *
9.0	78.2	38.3	110 200 *
10.0	76.6	38.1	102 000 *
11.0	75.0	37.8	94 900 *
12.0	73.4	37.5	88 400 *
13.0	71.7	37.2	81 000
14.0	70.1	36.9	73 000
15.0	68.4	36.5	66 500
16.0	66.7	36.1	61 000
18.0	63.2	35.1	52 200
20.0	59.7	34.1	45 500
22.0	56.0	32.8	40 200
24.0	52.1	31.3	35 800
26.0	48.0	29.7	32 300
28.0	43.6	27.7	29 300
30.0	38.9	25.4	26 700
32.0	33.6	22.7	24 500
34.0	27.4	19.3	22 500
36.0	19.5	14.7	19 900 *
39.6m (130 Ft.) Boom			
7.9	80.7	41.6	120 400 *
8.0	80.6	41.6	120 300 *
9.0	79.1	41.4	115 600 *
10.0	77.6	41.2	107 000 *
11.0	76.2	41.0	99 900
12.0	74.7	40.7	90 700
13.0	73.2	40.4	80 800
14.0	71.6	40.1	73 000
15.0	70.1	39.7	66 500
16.0	68.6	39.4	60 900
18.0	65.4	38.5	52 200
20.0	62.2	37.5	45 400
22.0	58.9	36.4	40 100
24.0	55.4	35.1	35 800
26.0	51.9	33.6	32 200
28.0	48.1	32.0	29 300
30.0	44.1	30.0	26 700
32.0	39.7	27.8	24 500
34.0	35.0	25.2	22 600
36.0	29.5	22.0	20 900
38.0	23.0	18.0	19 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) Boom			
8.5	80.5	44.6	120 400 *
9.0	79.9	44.5	118 700 *
10.0	78.5	44.3	111 300 *
11.0	77.2	44.1	102 000
12.0	75.8	43.9	90 400
13.0	74.4	43.6	80 800
14.0	73.0	43.3	73 000
15.0	71.6	43.0	66 400
16.0	70.2	42.6	60 900
18.0	67.3	41.8	52 100
20.0	64.3	40.9	45 400
22.0	61.3	39.9	40 000
24.0	58.2	38.8	35 700
26.0	55.0	37.4	32 100
28.0	51.7	36.0	29 200
30.0	48.1	34.3	26 600
32.0	44.4	32.4	24 400
34.0	40.4	30.2	22 500
36.0	36.1	27.6	20 800
38.0	31.3	24.6	19 300
40.0	25.6	20.9	17 900
42.0	18.5	16.0	15 800 *
45.7m (150 Ft.) Boom			
9.1	80.4	47.6	120 400 *
10.0	79.3	47.4	112 300 *
11.0	78.0	47.2	101 900
12.0	76.8	47.0	90 400
13.0	75.5	46.7	80 800
14.0	74.2	46.5	72 900
15.0	72.9	46.2	66 400
16.0	71.5	45.9	60 800
18.0	68.9	45.1	52 000
20.0	66.2	44.3	45 300
22.0	63.4	43.4	39 900
24.0	60.6	42.3	35 600
26.0	57.6	41.1	32 100
28.0	54.6	39.8	29 100
30.0	51.5	38.3	26 500
32.0	48.2	36.6	24 300
34.0	44.7	34.7	22 400
36.0	41.1	32.5	20 700
38.0	37.1	30.0	19 200
40.0	32.7	27.2	17 900
42.0	27.7	23.7	16 600
44.0	21.7	19.4	15 100

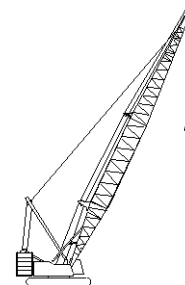
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) Boom			
9.1	81.0	50.7	107 000 *
10.0	80.0	50.5	106 800 *
11.0	78.8	50.3	101 600
12.0	77.6	50.1	90 300
13.0	76.4	49.9	80 600
14.0	75.2	49.6	72 800
15.0	74.0	49.4	66 200
16.0	72.7	49.1	60 700
18.0	70.3	48.4	51 800
20.0	67.7	47.6	45 100
22.0	65.2	46.7	39 700
24.0	62.6	45.8	35 400
26.0	59.9	44.7	31 900
28.0	57.1	43.4	28 900
30.0	54.3	42.1	26 300
32.0	51.3	40.6	24 100
34.0	48.2	38.9	22 200
36.0	45.0	37.0	20 500
38.0	41.6	34.9	19 000
40.0	37.9	32.5	17 600
42.0	33.9	29.7	16 400
44.0	29.4	26.4	15 300
46.0	24.2	22.5	14 200 *
51.8m (170 Ft.) Boom			
9.8	80.9	53.6	103 600 *
10.0	80.6	53.6	102 900 *
11.0	79.5	53.4	100 300
12.0	78.3	53.2	90 300
13.0	77.2	53.0	80 500
14.0	76.1	52.8	72 600
15.0	74.9	52.5	66 100
16.0	73.8	52.2	60 500
18.0	71.5	51.6	51 700
20.0	69.1	50.9	45 000
22.0	66.7	50.1	39 600
24.0	64.3	49.2	35 300
26.0	61.8	48.2	31 700
28.0	59.3	47.0	28 700
30.0	56.7	45.8	26 200
32.0	54.0	44.4	23 900
34.0	51.2	42.9	22 100
36.0	48.3	41.2	20 400
38.0	45.3	39.3	18 800
40.0	42.1	37.2	17 500
42.0	38.6	34.8	16 300
44.0	34.9	32.2	15 200
46.0	30.9	29.1	14 200
48.0	26.2	25.4	13 200
50.0	20.7	20.8	11 800 *



Liftcrane Boom Capacities

Boom No. 82LR
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
54.9m (180 Ft.) Boom			
10.4	80.7	56.6	93 600 *
11.0	80.1	56.5	93 100 *
12.0	79.0	56.3	89 500
13.0	77.9	56.1	80 400
14.0	76.9	55.9	72 500
15.0	75.8	55.7	66 000
16.0	74.7	55.4	60 400
18.0	72.5	54.8	51 600
20.0	70.3	54.1	44 800
22.0	68.1	53.4	39 500
24.0	65.8	52.5	35 100
26.0	63.5	51.6	31 600
28.0	61.1	50.5	28 600
30.0	58.7	49.4	26 000
32.0	56.3	48.1	23 800
34.0	53.7	46.7	21 900
36.0	51.1	45.2	20 200
38.0	48.3	43.5	18 700
40.0	45.5	41.6	17 400
42.0	42.5	39.5	16 200
44.0	39.3	37.2	15 100
46.0	35.8	34.6	14 100
48.0	32.1	31.6	13 200
50.0	27.9	28.2	12 400
52.0	23.1	24.0	11 100 *
57.9m (190 Ft.) Boom			
11.0	80.6	59.6	88 900 *
12.0	79.6	59.4	86 200 *
13.0	78.6	59.2	80 600
14.0	77.6	59.0	72 400
15.0	76.5	58.8	65 900
16.0	75.5	58.6	60 300
18.0	73.5	58.0	51 500
20.0	71.4	57.4	44 700
22.0	69.3	56.7	39 300
24.0	67.2	55.9	35 000
26.0	65.0	55.0	31 500
28.0	62.8	54.0	28 400
30.0	60.5	52.9	25 900
32.0	58.2	51.7	23 700
34.0	55.9	50.4	21 800
36.0	53.5	49.0	20 100
38.0	51.0	47.5	18 600
40.0	48.4	45.8	17 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) Boom			
42.0	45.7	43.9	16 000
44.0	42.8	41.8	15 000
46.0	39.8	39.6	14 000
48.0	36.6	37.0	13 100
50.0	33.2	34.2	12 200
52.0	29.4	30.9	11 500
54.0	25.0	27.0	10 600 *
56.0	19.8	22.1	9 300 *
61.0m (200 Ft.) Boom			
11.6	80.5	62.6	80 200 *
12.0	80.1	62.5	79 700 *
13.0	79.1	62.4	78 000
14.0	78.2	62.2	72 300
15.0	77.2	61.9	65 700
16.0	76.3	61.7	60 200
18.0	74.3	61.2	51 300
20.0	72.4	60.6	44 500
22.0	70.4	59.9	39 100
24.0	68.4	59.2	34 800
26.0	66.3	58.3	31 200
28.0	64.3	57.4	28 200
30.0	62.2	56.4	25 700
32.0	60.0	55.3	23 500
34.0	57.8	54.1	21 500
36.0	55.6	52.8	19 900
38.0	53.2	51.3	18 300
40.0	50.9	49.8	17 000
42.0	48.4	48.1	15 800
44.0	45.8	46.2	14 700
46.0	43.1	44.2	13 700
48.0	40.3	41.9	12 800
50.0	37.3	39.4	12 000
52.0	34.1	36.7	11 200
54.0	30.6	33.5	10 500
56.0	26.7	29.8	9 700
58.0	22.1	25.4	8 600 *
64.0m (210 Ft.) Boom			
11.6	81.0	65.7	76 400 *
12.0	80.6	65.6	75 700 *
13.0	79.7	65.5	74 100 *
14.0	78.8	65.3	72 000
15.0	77.8	65.1	65 500
16.0	76.9	64.8	60 000
18.0	75.1	64.3	51 100
20.0	73.2	63.8	44 300
22.0	71.3	63.1	39 000
24.0	69.4	62.4	34 600
26.0	67.5	61.6	31 100
28.0	65.6	60.8	28 100
30.0	63.6	59.8	25 500

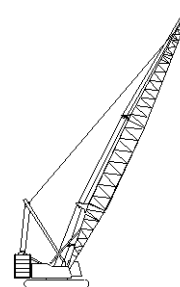
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) Boom			
32.0	61.6	58.8	23 300
34.0	59.5	57.6	21 400
36.0	57.4	56.4	19 700
38.0	55.3	55.1	18 200
40.0	53.1	53.6	16 900
42.0	50.8	52.1	15 700
44.0	48.4	50.4	14 600
46.0	46.0	48.5	13 600
48.0	43.4	46.5	12 700
50.0	40.8	44.3	11 800
52.0	37.9	41.8	11 100
54.0	34.9	39.1	10 400
56.0	31.7	36.1	9 700
58.0	28.1	32.6	9 000 *
60.0	24.0	28.5	8 000 *
62.0	19.1	23.5	6 900 *
67.1m (220 Ft.) Boom			
12.2	80.8	68.7	69 100 *
13.0	80.1	68.6	68 800 *
14.0	79.3	68.4	68 300 *
15.0	78.4	68.2	65 800
16.0	77.5	68.0	59 800
18.0	75.8	67.5	51 000
20.0	74.0	66.9	44 200
22.0	72.2	66.3	38 800
24.0	70.4	65.7	34 500
26.0	68.6	64.9	30 900
28.0	66.7	64.1	27 900
30.0	64.9	63.2	25 300
32.0	63.0	62.2	23 100
34.0	61.0	61.2	21 200
36.0	59.1	60.0	19 500
38.0	57.0	58.8	18 000
40.0	55.0	57.4	16 700
42.0	52.9	55.9	15 500
44.0	50.7	54.4	14 400
46.0	48.5	52.7	13 400
48.0	46.1	50.8	12 500
50.0	43.7	48.8	11 700
52.0	41.2	46.6	10 900
54.0	38.5	44.2	10 200
56.0	35.7	41.6	9 600
58.0	32.6	38.6	9 000
60.0	29.3	35.3	8 300 *
62.0	25.6	31.5	7 300 *
64.0	21.3	26.8	6 400 *



Liftcrane Boom Capacities

Boom No. 82LR
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
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	62 000 *
15.0	78.9	71.3	61 600 *
16.0	78.1	71.1	59 600
18.0	76.4	70.6	51 000
20.0	74.7	70.1	44 000
22.0	73.0	69.5	38 700
24.0	71.3	68.9	34 300
26.0	69.6	68.2	30 700
28.0	67.8	67.4	27 700
30.0	66.0	66.5	25 200
32.0	64.2	65.6	23 000
34.0	62.4	64.6	21 000
36.0	60.5	63.5	19 400
38.0	58.6	62.4	17 800
40.0	56.7	61.1	16 500
42.0	54.7	59.7	15 300
44.0	52.7	58.3	14 200
46.0	50.6	56.7	13 200
48.0	48.5	55.0	12 300
50.0	46.3	53.1	11 500
52.0	43.9	51.1	10 800
54.0	41.5	49.0	10 100
56.0	39.0	46.6	9 400
58.0	36.3	44.0	8 800
60.0	33.5	41.2	8 200
62.0	30.4	37.9	7 600
64.0	27.0	34.3	6 700 *
66.0	23.1	30.0	5 900 *
68.0	18.5	24.7	5 000 *
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	56 100 *
16.0	78.6	74.2	55 700 *
18.0	77.0	73.8	51 000
20.0	75.4	73.3	43 800
22.0	73.7	72.7	38 400
24.0	72.1	72.1	34 100
26.0	70.5	71.4	30 500
28.0	68.8	70.7	27 500
30.0	67.1	69.9	24 900
32.0	65.4	69.0	22 700
34.0	63.6	68.0	20 800
36.0	61.9	67.0	19 100
38.0	60.1	65.9	17 600
40.0	58.3	64.7	16 300
42.0	56.4	63.4	15 100
44.0	54.5	62.0	14 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) Boom			
46.0	52.6	60.6	13 000
48.0	50.6	59.0	12 100
50.0	48.5	57.3	11 300
52.0	46.4	55.4	10 500
54.0	44.2	53.5	9 800
56.0	41.9	51.3	9 100
58.0	39.5	49.0	8 500
60.0	36.9	46.4	8 000
62.0	34.2	43.6	7 500
64.0	31.3	40.5	6 800
66.0	28.2	37.0	6 000 *
68.0	24.7	33.0	5 200 *
70.0	20.6	28.2	4 400 *
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	50 700 *
18.0	77.5	76.9	49 600
20.0	76.0	76.4	43 600
22.0	74.4	75.9	38 300
24.0	72.8	75.3	33 900
26.0	71.3	74.6	30 300
28.0	69.7	73.9	27 300
30.0	68.1	73.2	24 800
32.0	66.4	72.3	22 500
34.0	64.8	71.4	20 600
36.0	63.1	70.4	18 900
38.0	61.4	69.4	17 400
40.0	59.7	68.3	16 100
42.0	57.9	67.0	14 900
44.0	56.1	65.7	13 800
46.0	54.3	64.4	12 800
48.0	52.4	62.9	11 900
50.0	50.5	61.3	11 100
52.0	48.5	59.6	10 300
54.0	46.5	57.7	9 600
56.0	44.4	55.8	9 000
58.0	42.2	53.6	8 400
60.0	39.9	51.3	7 800
62.0	37.5	48.8	7 300
64.0	34.9	46.1	6 800
66.0	32.2	43.1	6 100 *
68.0	29.3	39.7	5 400 *
70.0	26.0	35.9	4 700 *
72.0	22.3	31.5	3 900 *
74.0	18.0	26.0	3 200 *

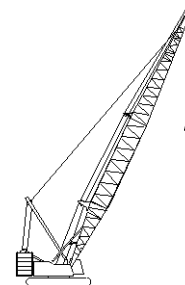
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) Boom			
14.0	80.9	80.7	47 000 *
15.0	80.2	80.6	46 700 *
16.0	79.5	80.4	46 300 *
18.0	78.0	80.0	45 700 *
20.0	76.5	79.5	43 700
22.0	75.0	79.0	38 100
24.0	73.5	78.5	33 800
26.0	72.0	77.9	30 100
28.0	70.5	77.2	27 100
30.0	68.9	76.4	24 600
32.0	67.4	75.6	22 400
34.0	65.8	74.8	20 400
36.0	64.2	73.8	18 700
38.0	62.6	72.8	17 200
40.0	61.0	71.8	15 900
42.0	59.3	70.6	14 700
44.0	57.6	69.4	13 600
46.0	55.9	68.1	12 600
48.0	54.1	66.7	11 700
50.0	52.3	65.2	10 900
52.0	50.4	63.6	10 100
54.0	48.5	61.9	9 400
56.0	46.6	60.0	8 800
58.0	44.5	58.1	8 200
60.0	42.4	56.0	7 600
62.0	40.3	53.7	7 100
64.0	38.0	51.2	6 600
66.0	35.6	48.6	6 100
68.0	33.0	45.6	5 400 *
70.0	30.2	42.4	4 700 *
72.0	27.2	38.7	4 100 *
74.0	23.9	34.5	3 400 *
76.0	20.0	29.6	2 700 *



Liftcrane Boom Capacities

Boom No. 82LR
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			
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	41 200
22.0	75.6	82.2	38 200
24.0	74.2	81.7	33 600
26.0	72.7	81.1	30 000
28.0	71.2	80.4	26 900
30.0	69.8	79.7	24 400
32.0	68.3	78.9	22 200
34.0	66.8	78.1	20 200
36.0	65.2	77.2	18 500
38.0	63.7	76.3	17 000
40.0	62.1	75.2	15 700
42.0	60.5	74.1	14 500
44.0	58.9	73.0	13 400
46.0	57.3	71.7	12 400
48.0	55.6	70.4	11 500
50.0	53.9	69.0	10 700
52.0	52.2	67.5	10 000
54.0	50.4	65.9	9 300
56.0	48.6	64.2	8 600
58.0	46.7	62.3	8 000
60.0	44.7	60.4	7 400
62.0	42.7	58.3	6 900
64.0	40.6	56.1	6 400
66.0	38.4	53.6	6 000
68.0	36.1	51.0	5 400
70.0	33.7	48.1	4 700 *
72.0	31.1	45.0	4 100 *
74.0	28.3	41.5	3 500 *
76.0	25.2	37.5	2 900 *
78.0	21.7	32.9	2 300 *
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	37 500 *
22.0	76.1	85.3	36 600
24.0	74.7	84.8	33 600
26.0	73.3	84.2	29 800
28.0	71.9	83.6	26 700
30.0	70.5	82.9	24 100
32.0	69.1	82.2	22 000
34.0	67.6	81.4	20 000
36.0	66.2	80.6	18 300
38.0	64.7	79.6	16 800
40.0	63.2	78.7	15 400
42.0	61.7	77.6	14 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) Boom			
44.0	60.2	76.5	13 200
46.0	58.6	75.3	12 200
48.0	57.0	74.1	11 300
50.0	55.4	72.7	10 400
52.0	53.7	71.3	9 700
54.0	52.1	69.8	9 000
56.0	50.3	68.2	8 300
58.0	48.6	66.5	7 700
60.0	46.8	64.6	7 200
62.0	44.9	62.7	6 700
64.0	42.9	60.6	6 200
66.0	40.9	58.4	5 700
68.0	38.8	56.0	5 300
70.0	36.6	53.4	4 700 *
72.0	34.3	50.6	4 100 *
74.0	31.9	47.5	3 400 *
76.0	29.2	44.2	2 900 *
78.0	26.4	40.4	2 300 *
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	33 800 *
24.0	75.3	88.0	32 800
26.0	73.9	87.4	29 600
28.0	72.6	86.8	26 500
30.0	71.2	86.2	24 000
32.0	69.8	85.5	21 700
34.0	68.4	84.7	19 800
36.0	67.0	83.9	18 100
38.0	65.6	83.0	16 600
40.0	64.2	82.1	15 300
42.0	62.7	81.1	14 100
44.0	61.3	80.0	13 000
46.0	59.8	78.9	12 000
48.0	58.3	77.7	11 100
50.0	56.7	76.4	10 300
52.0	55.2	75.0	9 500
54.0	53.6	73.6	8 800
56.0	52.0	72.1	8 200
58.0	50.3	70.5	7 500
60.0	48.6	68.8	7 000
62.0	46.8	67.0	6 500
64.0	45.0	65.0	6 000

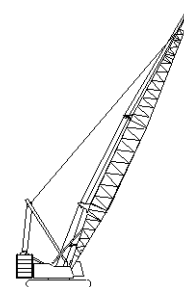
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) Boom			
66.0	43.2	62.9	5 500
68.0	41.2	60.7	5 100
70.0	39.2	58.4	4 600
72.0	37.1	55.8	4 000 *
74.0	34.9	53.1	3 400 *
76.0	32.6	50.1	2 900 *
78.0	30.1	46.8	2 300 *
91.4m (300 Ft.) Boom			
16.8	80.4	92.6	32 400 *
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	30 500 *
26.0	74.5	90.6	29 400
28.0	73.2	90.0	26 400
30.0	71.9	89.4	23 800
32.0	70.5	88.7	21 500
34.0	69.2	88.0	19 600
36.0	67.8	87.2	17 900
38.0	66.5	86.3	16 400
40.0	65.1	85.4	15 000
42.0	63.7	84.5	13 900
44.0	62.3	83.5	12 800
46.0	60.9	82.4	11 800
48.0	59.5	81.2	10 900
50.0	58.0	80.0	10 100
52.0	56.5	78.7	9 300
54.0	55.0	77.4	8 600
56.0	53.4	75.9	7 900
58.0	51.9	74.4	7 400
60.0	50.2	72.8	6 800
62.0	48.6	71.1	6 300
64.0	46.9	69.3	5 800
66.0	45.2	67.3	5 300
68.0	43.4	65.3	4 900
70.0	41.5	63.1	4 500
72.0	39.6	60.7	3 900 *
74.0	37.6	58.2	3 300 *
76.0	35.5	55.5	2 800 *
78.0	33.2	52.6	2 200 *



Liftcrane Boom Capacities

Boom No. 82LR
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
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	31 100 *
22.0	77.5	94.7	29 300 *
24.0	76.2	94.3	27 500 *
26.0	75.0	93.7	26 100 *
28.0	73.7	93.2	24 800 *
30.0	72.5	92.6	23 500
32.0	71.2	91.9	21 500
34.0	69.9	91.2	19 600
36.0	68.6	90.5	17 900
38.0	67.3	89.6	16 400
40.0	66.0	88.8	15 000
42.0	64.6	87.9	13 800
44.0	63.3	86.9	12 800
46.0	61.9	85.9	11 700
48.0	60.5	84.8	10 900
50.0	59.1	83.6	10 000
52.0	57.7	82.4	9 300
54.0	56.3	81.1	8 600
56.0	54.8	79.7	7 900
58.0	53.3	78.2	7 300
60.0	51.8	76.7	6 800
62.0	50.2	75.1	6 200
64.0	48.6	73.4	5 800
66.0	47.0	71.6	5 300
68.0	45.3	69.6	4 900
70.0	43.6	67.6	4 500
72.0	41.8	65.4	4 100
74.0	39.9	63.1	3 700 *
76.0	38.0	60.6	3 100 *
78.0	36.0	58.0	2 600 *
80.0	33.8	55.1	2 000 *
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	28 200 *
24.0	76.7	97.4	26 500 *
26.0	75.5	96.9	25 100 *
28.0	74.2	96.4	23 800 *
30.0	73.0	95.8	22 700 *
32.0	71.8	95.1	21 300
34.0	70.6	94.5	19 400
36.0	69.3	93.7	17 700
38.0	68.0	92.9	16 200
40.0	66.8	92.1	14 800
42.0	65.5	91.2	13 600
44.0	64.2	90.3	12 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97.5m (320 Ft.) Boom			
46.0	62.9	89.3	11 500
48.0	61.5	88.2	10 600
50.0	60.2	87.1	9 800
52.0	58.8	85.9	9 000
54.0	57.5	84.7	8 300
56.0	56.0	83.4	7 700
58.0	54.6	82.0	7 100
60.0	53.2	80.5	6 500
62.0	51.7	79.0	6 000
64.0	50.2	77.4	5 500
66.0	48.6	75.7	5 100
68.0	47.0	73.9	4 600
70.0	45.4	71.9	4 200
72.0	43.7	69.9	3 800
74.0	42.0	67.8	3 400
76.0	40.2	65.5	2 900 *
78.0	38.4	63.0	2 400 *
100.6m (330 Ft.) Boom			
18.3	80.4	101.7	26 700 *
20.0	79.4	101.4	26 700 *
22.0	78.3	101.0	26 400 *
24.0	77.1	100.5	25 700 *
26.0	75.9	100.0	24 200 *
28.0	74.7	99.5	23 000 *
30.0	73.6	99.0	21 900 *
32.0	72.4	98.3	20 800 *
34.0	71.2	97.7	19 200
36.0	70.0	97.0	17 500
38.0	68.7	96.2	15 900
40.0	67.5	95.4	14 600
42.0	66.3	94.6	13 400
44.0	65.0	93.7	12 300
46.0	63.8	92.7	11 300
48.0	62.5	91.7	10 400
50.0	61.2	90.6	9 600
52.0	59.9	89.5	8 800
54.0	58.6	88.3	8 100
56.0	57.2	87.0	7 500
58.0	55.8	85.7	6 900
60.0	54.5	84.3	6 300
62.0	53.0	82.9	5 800
64.0	51.6	81.3	5 300
66.0	50.1	79.7	4 800
68.0	48.6	78.0	4 400
70.0	47.1	76.2	4 000
72.0	45.5	74.3	3 600
74.0	43.9	72.2	3 300
76.0	42.2	70.1	2 800 *
78.0	40.5	67.8	2 300 *

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	24 100 *
26.0	76.3	103.2	23 300 *
28.0	75.2	102.7	22 100 *
30.0	74.1	102.1	21 000 *
32.0	72.9	101.5	20 000 *
34.0	71.7	100.9	18 900
36.0	70.6	100.2	17 300
38.0	69.4	99.5	15 800
40.0	68.2	98.7	14 400
42.0	67.0	97.9	13 200
44.0	65.8	97.0	12 100
46.0	64.6	96.1	11 100
48.0	63.4	95.1	10 200
50.0	62.1	94.1	9 400
52.0	60.9	93.0	8 600
54.0	59.6	91.8	7 900
56.0	58.3	90.6	7 300
58.0	57.0	89.4	6 700
60.0	55.6	88.0	6 100
62.0	54.3	86.6	5 600
64.0	52.9	85.2	5 100
66.0	51.5	83.6	4 700
68.0	50.1	82.0	4 200
70.0	48.6	80.3	3 800
72.0	47.2	78.5	3 400
74.0	45.6	76.6	3 100
76.0	44.1	74.5	2 600
78.0	42.4	72.4	2 100 *