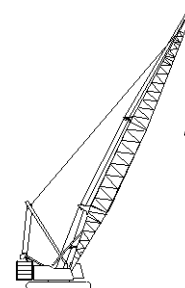




Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

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 over end of machine with crawlers blocked. 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. Drive and idler tumblers must be properly blocked so that centerline of tumblers becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram No. 8224-A.

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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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.

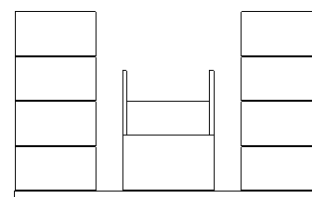
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

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.

Maximum Boom and Jib Lengths Lifted Unassisted		
WITHOUT BOOM CATWALKS		
Over End of Blocked Crawlers		
Boom Length	Jib No. 134	Jib No. 123
97.5m	—	—
94.5m	—	—
91.4m	—	12.2m
88.4m	15.2m	18.3m
85.3m	24.4m	18.3m
WITH BOOM CATWALKS		
Over End of Blocked Crawlers		
Boom Length	Jib No. 134	Jib No. 123
(a) 97.5m	—	—
94.5m	—	—
91.4m	—	9.1m
88.4m	12.2m	(a) 18.3m
85.3m	21.3m	18.3m
82.3m	24.4m	18.3m
Load block, hook and weight ball on ground at start.		
(a) Machine must be equipped with lowerworks jacking cylinders.		

Consult jib chart for jib capacities.

Upper boom point cannot be used when jib is attached.



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

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.

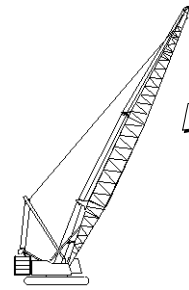


Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

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	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	81 300 *
14.0	70.1	36.9	75 000
15.0	68.4	36.5	68 000
16.0	66.7	36.1	62 000
18.0	63.2	35.1	52 600
20.0	59.7	34.1	45 600
22.0	56.0	32.8	40 000
24.0	52.1	31.3	35 600
26.0	48.0	29.7	32 000
28.0	43.6	27.7	28 900
30.0	38.9	25.4	26 300
32.0	33.6	22.7	24 100
34.0	27.4	19.3	22 100
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	98 200 *
12.0	74.7	40.7	90 000 *
13.0	73.2	40.4	82 900
14.0	71.6	40.1	75 100
15.0	70.1	39.7	67 900
16.0	68.6	39.4	61 900
18.0	65.4	38.5	52 600
20.0	62.2	37.5	45 500
22.0	58.9	36.4	40 000
24.0	55.4	35.1	35 500
26.0	51.9	33.6	31 900
28.0	48.1	32.0	28 800
30.0	44.1	30.0	26 300
32.0	39.7	27.8	24 000
34.0	35.0	25.2	22 100
36.0	29.5	22.0	20 400
38.0	23.0	18.0	18 800

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	118 300 *
10.0	78.5	44.3	107 700 *
11.0	77.2	44.1	98 000 *
12.0	75.8	43.9	89 900 *
13.0	74.4	43.6	82 800
14.0	73.0	43.3	75 000
15.0	71.6	43.0	67 900
16.0	70.2	42.6	61 900
18.0	67.3	41.8	52 500
20.0	64.3	40.9	45 500
22.0	61.3	39.9	39 900
24.0	58.2	38.8	35 500
26.0	55.0	37.4	31 800
28.0	51.7	36.0	28 800
30.0	48.1	34.3	26 200
32.0	44.4	32.4	23 900
34.0	40.4	30.2	22 000
36.0	36.1	27.6	20 300
38.0	31.3	24.6	18 800
40.0	25.6	20.9	17 400
42.0	18.5	16.0	15 800 *
45.7m (150 Ft.) Boom			
9.1	80.4	47.6	117 500 *
10.0	79.3	47.4	107 600 *
11.0	78.0	47.2	97 900 *
12.0	76.8	47.0	89 700 *
13.0	75.5	46.7	82 700
14.0	74.2	46.5	75 000
15.0	72.9	46.2	67 800
16.0	71.5	45.9	61 900
18.0	68.9	45.1	52 500
20.0	66.2	44.3	45 400
22.0	63.4	43.4	39 800
24.0	60.6	42.3	35 400
26.0	57.6	41.1	31 700
28.0	54.6	39.8	28 700
30.0	51.5	38.3	26 100
32.0	48.2	36.6	23 900
34.0	44.7	34.7	21 900
36.0	41.1	32.5	20 200
38.0	37.1	30.0	18 800
40.0	32.7	27.2	17 400
42.0	27.7	23.7	16 200
44.0	21.7	19.4	15 000

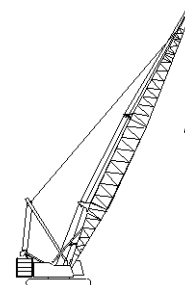
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) Boom			
9.1	81.0	50.7	107 000 *
10.0	80.0	50.5	105 600 *
11.0	78.8	50.3	97 600 *
12.0	77.6	50.1	89 400 *
13.0	76.4	49.9	82 400
14.0	75.2	49.6	74 800
15.0	74.0	49.4	67 700
16.0	72.7	49.1	61 700
18.0	70.3	48.4	52 300
20.0	67.7	47.6	45 200
22.0	65.2	46.7	39 700
24.0	62.6	45.8	35 200
26.0	59.9	44.7	31 500
28.0	57.1	43.4	28 500
30.0	54.3	42.1	25 900
32.0	51.3	40.6	23 700
34.0	48.2	38.9	21 700
36.0	45.0	37.0	20 000
38.0	41.6	34.9	18 500
40.0	37.9	32.5	17 200
42.0	33.9	29.7	16 000
44.0	29.4	26.4	14 900
46.0	24.2	22.5	13 800
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	97 400 *
12.0	78.3	53.2	89 200 *
13.0	77.2	53.0	82 300
14.0	76.1	52.8	74 800
15.0	74.9	52.5	67 600
16.0	73.8	52.2	61 600
18.0	71.5	51.6	52 200
20.0	69.1	50.9	45 100
22.0	66.7	50.1	39 600
24.0	64.3	49.2	35 100
26.0	61.8	48.2	31 400
28.0	59.3	47.0	28 300
30.0	56.7	45.8	25 800
32.0	54.0	44.4	23 500
34.0	51.2	42.9	21 600
36.0	48.3	41.2	19 900
38.0	45.3	39.3	18 400
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	12 900
50.0	20.7	20.8	11 700



Liftcrane Boom Capacities

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

**Meets
ANSI B30.5
Requirements**



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	93 600 *
11.0	80.1	56.5	93 100 *
12.0	79.0	56.3	89 300 *
13.0	77.9	56.1	82 100 *
14.0	76.9	55.9	74 700
15.0	75.8	55.7	67 500
16.0	74.7	55.4	61 500
18.0	72.5	54.8	52 100
20.0	70.3	54.1	45 000
22.0	68.1	53.4	39 400
24.0	65.8	52.5	35 000
26.0	63.5	51.6	31 300
28.0	61.1	50.5	28 200
30.0	58.7	49.4	25 600
32.0	56.3	48.1	23 400
34.0	53.7	46.7	21 500
36.0	51.1	45.2	19 800
38.0	48.3	43.5	18 300
40.0	45.5	41.6	16 900
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	11 900
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	81 200 *
14.0	77.6	59.0	74 600
15.0	76.5	58.8	67 400
16.0	75.5	58.6	61 400
18.0	73.5	58.0	52 000
20.0	71.4	57.4	44 900
22.0	69.3	56.7	39 300
24.0	67.2	55.9	34 900
26.0	65.0	55.0	31 200
28.0	62.8	54.0	28 100
30.0	60.5	52.9	25 500
32.0	58.2	51.7	23 300
34.0	55.9	50.4	21 300
36.0	53.5	49.0	19 600
38.0	51.0	47.5	18 100
40.0	48.4	45.8	16 800

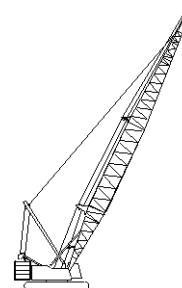
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) Boom			
42.0	45.7	43.9	15 600
44.0	42.8	41.8	14 500
46.0	39.8	39.6	13 500
48.0	36.6	37.0	12 600
50.0	33.2	34.2	11 800
52.0	29.4	30.9	11 100
54.0	25.0	27.0	10 300
56.0	19.8	22.1	9 300 *
61.0m (200 Ft.) Boom			
11.6	80.5	62.6	80 200 *
12.0	80.1	62.5	79 700 *
13.0	79.1	62.4	78 100 *
14.0	78.2	62.2	74 400
15.0	77.2	61.9	67 300
16.0	76.3	61.7	61 300
18.0	74.3	61.2	51 800
20.0	72.4	60.6	44 700
22.0	70.4	59.9	39 100
24.0	68.4	59.2	34 600
26.0	66.3	58.3	31 000
28.0	64.3	57.4	27 900
30.0	62.2	56.4	25 300
32.0	60.0	55.3	23 000
34.0	57.8	54.1	21 100
36.0	55.6	52.8	19 400
38.0	53.2	51.3	17 900
40.0	50.9	49.8	16 600
42.0	48.4	48.1	15 400
44.0	45.8	46.2	14 300
46.0	43.1	44.2	13 300
48.0	40.3	41.9	12 400
50.0	37.3	39.4	11 600
52.0	34.1	36.7	10 800
54.0	30.6	33.5	10 200
56.0	26.7	29.8	9 500
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	72 500 *
15.0	77.8	65.1	67 400
16.0	76.9	64.8	61 100
18.0	75.1	64.3	51 700
20.0	73.2	63.8	44 500
22.0	71.3	63.1	39 000
24.0	69.4	62.4	34 500
26.0	67.5	61.6	30 800
28.0	65.6	60.8	27 700
30.0	63.6	59.8	25 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) Boom			
32.0	61.6	58.8	22 900
34.0	59.5	57.6	21 000
36.0	57.4	56.4	19 300
38.0	55.3	55.1	17 800
40.0	53.1	53.6	16 400
42.0	50.8	52.1	15 200
44.0	48.4	50.4	14 100
46.0	46.0	48.5	13 200
48.0	43.4	46.5	12 200
50.0	40.8	44.3	11 400
52.0	37.9	41.8	10 700
54.0	34.9	39.1	10 000
56.0	31.7	36.1	9 300
58.0	28.1	32.6	8 700
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	66 600
16.0	77.5	68.0	61 800
18.0	75.8	67.5	51 600
20.0	74.0	66.9	44 400
22.0	72.2	66.3	38 800
24.0	70.4	65.7	34 300
26.0	68.6	64.9	30 600
28.0	66.7	64.1	27 600
30.0	64.9	63.2	25 000
32.0	63.0	62.2	22 700
34.0	61.0	61.2	20 800
36.0	59.1	60.0	19 100
38.0	57.0	58.8	17 600
40.0	55.0	57.4	16 300
42.0	52.9	55.9	15 000
44.0	50.7	54.4	14 000
46.0	48.5	52.7	13 000
48.0	46.1	50.8	12 100
50.0	43.7	48.8	11 300
52.0	41.2	46.6	10 500
54.0	38.5	44.2	9 800
56.0	35.7	41.6	9 200
58.0	32.6	38.6	8 600
60.0	29.3	35.3	8 100
62.0	25.6	31.5	7 400
64.0	21.3	26.8	6 400 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements



999 SERIES 2

Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

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	59 900
18.0	76.4	70.6	51 700
20.0	74.7	70.1	44 300
22.0	73.0	69.5	38 600
24.0	71.3	68.9	34 200
26.0	69.6	68.2	30 500
28.0	67.8	67.4	27 400
30.0	66.0	66.5	24 800
32.0	64.2	65.6	22 600
34.0	62.4	64.6	20 700
36.0	60.5	63.5	18 900
38.0	58.6	62.4	17 400
40.0	56.7	61.1	16 100
42.0	54.7	59.7	14 900
44.0	52.7	58.3	13 800
46.0	50.6	56.7	12 800
48.0	48.5	55.0	11 900
50.0	46.3	53.1	11 100
52.0	43.9	51.1	10 400
54.0	41.5	49.0	9 700
56.0	39.0	46.6	9 000
58.0	36.3	44.0	8 400
60.0	33.5	41.2	7 900
62.0	30.4	37.9	7 300
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	51 500
20.0	75.4	73.3	44 100
22.0	73.7	72.7	38 500
24.0	72.1	72.1	34 000
26.0	70.5	71.4	30 300
28.0	68.8	70.7	27 200
30.0	67.1	69.9	24 600
32.0	65.4	69.0	22 400
34.0	63.6	68.0	20 400
36.0	61.9	67.0	18 700
38.0	60.1	65.9	17 200
40.0	58.3	64.7	15 900
42.0	56.4	63.4	14 700
44.0	54.5	62.0	13 600

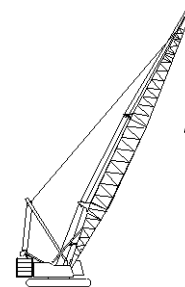
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) Boom			
46.0	52.6	60.6	12 600
48.0	50.6	59.0	11 700
50.0	48.5	57.3	10 900
52.0	46.4	55.4	10 100
54.0	44.2	53.5	9 400
56.0	41.9	51.3	8 800
58.0	39.5	49.0	8 200
60.0	36.9	46.4	7 600
62.0	34.2	43.6	7 100
64.0	31.3	40.5	6 600
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	50 000 *
20.0	76.0	76.4	43 900
22.0	74.4	75.9	38 300
24.0	72.8	75.3	33 800
26.0	71.3	74.6	30 100
28.0	69.7	73.9	27 000
30.0	68.1	73.2	24 400
32.0	66.4	72.3	22 200
34.0	64.8	71.4	20 200
36.0	63.1	70.4	18 500
38.0	61.4	69.4	17 000
40.0	59.7	68.3	15 700
42.0	57.9	67.0	14 500
44.0	56.1	65.7	13 400
46.0	54.3	64.4	12 400
48.0	52.4	62.9	11 500
50.0	50.5	61.3	10 700
52.0	48.5	59.6	9 900
54.0	46.5	57.7	9 200
56.0	44.4	55.8	8 600
58.0	42.2	53.6	8 000
60.0	39.9	51.3	7 500
62.0	37.5	48.8	6 900
64.0	34.9	46.1	6 400
66.0	32.2	43.1	6 000
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	44 000
22.0	75.0	79.0	38 100
24.0	73.5	78.5	33 600
26.0	72.0	77.9	30 000
28.0	70.5	77.2	26 800
30.0	68.9	76.4	24 300
32.0	67.4	75.6	22 000
34.0	65.8	74.8	20 100
36.0	64.2	73.8	18 300
38.0	62.6	72.8	16 800
40.0	61.0	71.8	15 500
42.0	59.3	70.6	14 300
44.0	57.6	69.4	13 200
46.0	55.9	68.1	12 200
48.0	54.1	66.7	11 300
50.0	52.3	65.2	10 500
52.0	50.4	63.6	9 700
54.0	48.5	61.9	9 100
56.0	46.6	60.0	8 400
58.0	44.5	58.1	7 800
60.0	42.4	56.0	7 300
62.0	40.3	53.7	6 700
64.0	38.0	51.2	6 300
66.0	35.6	48.6	5 800
68.0	33.0	45.6	5 300
70.0	30.2	42.4	4 800 *
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
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

 Meets
ANSI B30.5
Requirements


999 SERIES 2

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	38 300
24.0	74.2	81.7	33 500
26.0	72.7	81.1	29 800
28.0	71.2	80.4	26 700
30.0	69.8	79.7	24 100
32.0	68.3	78.9	21 800
34.0	66.8	78.1	19 900
36.0	65.2	77.2	18 200
38.0	63.7	76.3	16 600
40.0	62.1	75.2	15 300
42.0	60.5	74.1	14 100
44.0	58.9	73.0	13 000
46.0	57.3	71.7	12 000
48.0	55.6	70.4	11 100
50.0	53.9	69.0	10 300
52.0	52.2	67.5	9 500
54.0	50.4	65.9	8 800
56.0	48.6	64.2	8 200
58.0	46.7	62.3	7 600
60.0	44.7	60.4	7 100
62.0	42.7	58.3	6 600
64.0	40.6	56.1	6 100
66.0	38.4	53.6	5 600
68.0	36.1	51.0	5 200
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 *

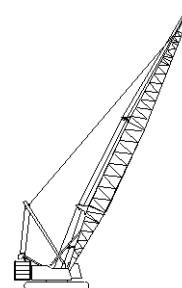
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) Boom			
15.2	80.8	86.7	38 800 *
16.0	80.2	86.6	38 600 *
18.0	78.9	86.2	38 000 *
20.0	77.5	85.8	37 500 *
22.0	76.1	85.3	36 600
24.0	74.7	84.8	33 500
26.0	73.3	84.2	29 500
28.0	71.9	83.6	26 500
30.0	70.5	82.9	23 800
32.0	69.1	82.2	21 600
34.0	67.6	81.4	19 700
36.0	66.2	80.6	17 900
38.0	64.7	79.6	16 400
40.0	63.2	78.7	15 100
42.0	61.7	77.6	13 900
44.0	60.2	76.5	12 800
46.0	58.6	75.3	11 800
48.0	57.0	74.1	10 900
50.0	55.4	72.7	10 100
52.0	53.7	71.3	9 300
54.0	52.1	69.8	8 600
56.0	50.3	68.2	8 000
58.0	48.6	66.5	7 400
60.0	46.8	64.6	6 800
62.0	44.9	62.7	6 300
64.0	42.9	60.6	5 800
66.0	40.9	58.4	5 400
68.0	38.8	56.0	5 000
70.0	36.6	53.4	4 600
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 *

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	33 800 *
24.0	75.3	88.0	32 700
26.0	73.9	87.4	29 400
28.0	72.6	86.8	26 300
30.0	71.2	86.2	23 700
32.0	69.8	85.5	21 400
34.0	68.4	84.7	19 500
36.0	67.0	83.9	17 700
38.0	65.6	83.0	16 200
40.0	64.2	82.1	14 900
42.0	62.7	81.1	13 700
44.0	61.3	80.0	12 600
46.0	59.8	78.9	11 600
48.0	58.3	77.7	10 700
50.0	56.7	76.4	9 900
52.0	55.2	75.0	9 100
54.0	53.6	73.6	8 400
56.0	52.0	72.1	7 800
58.0	50.3	70.5	7 200
60.0	48.6	68.8	6 600
62.0	46.8	67.0	6 100
64.0	45.0	65.0	5 600
66.0	43.2	62.9	5 200
68.0	41.2	60.7	4 800
70.0	39.2	58.4	4 400
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 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements



Boom No. 82LR
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	29 200
28.0	73.2	90.0	26 100
30.0	71.9	89.4	23 500
32.0	70.5	88.7	21 200
34.0	69.2	88.0	19 200
36.0	67.8	87.2	17 500
38.0	66.5	86.3	16 000
40.0	65.1	85.4	14 700
42.0	63.7	84.5	13 500
44.0	62.3	83.5	12 400
46.0	60.9	82.4	11 400
48.0	59.5	81.2	10 500
50.0	58.0	80.0	9 700
52.0	56.5	78.7	8 900
54.0	55.0	77.4	8 200
56.0	53.4	75.9	7 600
58.0	51.9	74.4	7 000
60.0	50.2	72.8	6 400
62.0	48.6	71.1	5 900
64.0	46.9	69.3	5 400
66.0	45.2	67.3	5 000
68.0	43.4	65.3	4 600
70.0	41.5	63.1	4 200
72.0	39.6	60.7	3 800
74.0	37.6	58.2	3 300 *
76.0	35.5	55.5	2 800 *
78.0	33.2	52.6	2 200 *

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	26 900
26.0	75.0	93.7	23 800
28.0	73.7	93.2	21 200
30.0	72.5	92.6	19 000
32.0	71.2	91.9	17 100
34.0	69.9	91.2	15 500
36.0	68.6	90.5	14 000
38.0	67.3	89.6	12 700
40.0	66.0	88.8	11 600
42.0	64.6	87.9	10 600
44.0	63.3	86.9	9 600
46.0	61.9	85.9	8 800
48.0	60.5	84.8	8 000
50.0	59.1	83.6	7 300
52.0	57.7	82.4	6 700
54.0	56.3	81.1	6 100
56.0	54.8	79.7	5 500
58.0	53.3	78.2	5 000
60.0	51.8	76.7	4 500
62.0	50.2	75.1	4 100
64.0	48.6	73.4	3 700
66.0	47.0	71.6	3 300
68.0	45.3	69.6	2 900
70.0	43.6	67.6	2 600
72.0	41.8	65.4	2 200
74.0	39.9	63.1	1 900

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	28 200 *
24.0	76.7	97.4	26 400
26.0	75.5	96.9	23 600
28.0	74.2	96.4	21 000
30.0	73.0	95.8	18 800
32.0	71.8	95.1	16 900
34.0	70.6	94.5	15 200
36.0	69.3	93.7	13 800
38.0	68.0	92.9	12 500
40.0	66.8	92.1	11 400
42.0	65.5	91.2	10 300
44.0	64.2	90.3	9 400
46.0	62.9	89.3	8 500
48.0	61.5	88.2	7 800
50.0	60.2	87.1	7 100
52.0	58.8	85.9	6 400
54.0	57.5	84.7	5 800
56.0	56.0	83.4	5 300
58.0	54.6	82.0	4 700
60.0	53.2	80.5	4 300
62.0	51.7	79.0	3 800
64.0	50.2	77.4	3 400
66.0	48.6	75.7	3 000
68.0	47.0	73.9	2 600
70.0	45.4	71.9	2 300
72.0	43.7	69.9	2 000