



# Liftcrane Boom Capacities

**26,630 LB. Crane Counterweight**  
**Clamshell Crawler Crane**  
**Extended Position Crawlers**  
**360 Degree Rating**



## 10000 SERIES 1

### LIFTING CAPACITIES:

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, and multiple machine lifts).
  2. Capacities do not exceed 66% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
  3. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
  4. Do not attempt to lift where no radius on load chart is listed as crane may tip or collapse.
  5. Weight of bucket is part of the total load. Its total weight must be subtracted from the rated load to obtain the weight that can be lifted.
  6. Load radius is horizontal distance from axis of rotation to center of gravity of the freely suspended load. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of radius. In all cases, operating radius shall govern capacity.
  7. Least stable position is over the side.
  8. Boom point elevation is vertical distance from ground level to centerline of boom point shaft.
  9. Lifting capacities listed apply only to the machine as originally manufactured and designed. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
  10. The LMI system does not correspond to these appended rated loads; therefore, use extreme caution when operating as a clamshell.
- Always refer to Operator's Manual for operating guidelines.
11. Jib installation is prohibited.
  12. Limit on clamshell bucket weight is 4,600 lbs.

### OPERATING CONDITION:

1. The machine must be reeved and set-up as stated in the Operators Manual. If this manual is missing, obtain replacement.
  - Boom backstops are required for all boom lengths.
  - Gantry must be fully raised position for all operation.
  - Crawlers must be fully extended and be locked in position.
  - The crane must be leveled to within 1% on a firm supporting surface.
  - Refer to operators manual for operating guidelines.

Maximum Boom Lengths Lifted Unassisted	
Over End of Crawlers	
120 ft.	
Clam bucket on ground at start	

2. Front and rear load hoist drum wire rope: 26 mm, 6 x 29, FI, IWRC C/O, Minimum breaking strength: 120,000 lbs. Front Drum: 771 feet, Rear Drum: 525 feet.
3. Boom hoist wire rope: 492 feet, 16 mm, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 47,200 lbs.
4. Machine equipped with 20 ft. 8 in. crawlers, 36 in. treads, 12 parts of boom hoist reeving, 26,630 lbs. crane counterweight.

#### Hoist Reeving for Main Boom Loads

No. of Parts of Line	1
Maximum Loads (lbs)	22,000

**Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.**



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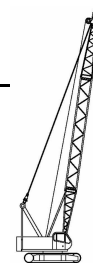


## 10000 SERIES 1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>40 Ft. Boom</b>			
22.0	63.7	50.5	22,000 *
24.0	60.5	49.5	22,000 *
26.0	57.1	48.3	22,000 *
28.0	53.5	47.0	22,000 *
30.0	49.8	45.5	22,000 *
32.0	45.9	43.9	22,000 *
34.0	41.7	42.1	21,400 *
36.0	37.0	40.1	20,200 *
38.0	31.8	37.8	19,200 *
40.0	25.7	35.3	18,200 *
<b>50 Ft. Boom</b>			
26.0	64.3	50.5	22,000 *
28.0	61.7	49.5	22,000 *
30.0	59.0	48.3	22,000 *
32.0	56.3	47.0	22,000 *
34.0	53.5	45.5	21,400 *
36.0	50.5	43.9	20,200 *
38.0	47.4	42.1	19,200 *
40.0	44.2	40.1	18,200 *
42.0	40.7	37.8	17,300 *
44.0	37.0	35.3	16,500 *
46.0	32.9	32.3	15,800 *
48.0	28.3	28.8	15,200 *
<b>60 Ft. Boom</b>			
30.0	64.6	59.7	22,000 *
32.0	62.5	58.7	22,000 *
34.0	60.3	57.5	21,400 *
36.0	58.1	56.3	20,200 *
38.0	55.8	55.0	19,200 *
40.0	53.4	53.5	18,200 *
42.0	51.0	51.9	17,300 *
44.0	48.4	50.2	16,500 *
46.0	45.8	48.3	15,800 *
48.0	43.0	46.2	15,200 *
50.0	40.1	43.9	14,600 *
52.0	37.0	41.3	14,000 *
54.0	33.6	38.4	13,500 *
56.0	29.9	35.1	13,000 *
58.0	25.7	31.1	12,500 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>70 Ft. Boom</b>			
34.0	64.9	68.9	21,400 *
36.0	63.1	67.9	20,200 *
38.0	61.2	66.8	19,200 *
40.0	59.3	65.6	18,200 *
42.0	57.4	64.3	17,300 *
44.0	55.4	63.0	16,500 *
46.0	53.4	61.5	15,800 *
48.0	51.3	59.9	15,200 *
50.0	49.1	58.2	14,600 *
52.0	46.9	56.4	14,000 *
54.0	44.6	54.4	13,500 *
56.0	42.2	52.2	13,000 *
58.0	39.6	49.9	12,500 *
60.0	37.0	47.3	12,100 *
62.0	34.1	44.4	11,700 *
64.0	31.0	41.2	11,400 *
66.0	27.6	37.6	11,000 *
<b>80 Ft. Boom</b>			
38.0	65.1	78.0	19,200 *
40.0	63.5	77.1	18,200 *
42.0	61.9	76.0	17,300 *
44.0	60.2	74.9	16,500 *
46.0	58.6	73.7	15,800 *
48.0	56.9	72.4	15,200 *
50.0	55.1	71.0	14,600 *
52.0	53.3	69.5	14,000 *
54.0	51.5	67.9	13,500 *
56.0	49.6	66.3	13,000 *
58.0	47.7	64.5	12,500 *
60.0	45.7	62.6	12,100 *
62.0	43.7	60.5	11,700 *
64.0	41.5	58.3	11,400 *
66.0	39.3	55.9	11,000 *
68.0	37.0	53.3	10,700 *
70.0	34.5	50.4	10,400 *
72.0	31.8	47.3	10,100 *
74.0	28.9	43.8	9,800 *
76.0	25.7	39.9	9,400 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>90 Ft. Boom</b>			
42.0	65.2	87.2	17,300 *
44.0	63.8	86.2	16,500 *
46.0	62.4	85.2	15,800 *
48.0	60.9	84.1	15,200 *
50.0	59.5	82.9	14,600 *
52.0	58.0	81.7	14,000 *
54.0	56.4	80.4	13,500 *
56.0	54.9	79.0	13,000 *
58.0	53.3	77.5	12,500 *
60.0	51.7	76.0	12,100 *
62.0	50.0	74.3	11,700 *
64.0	48.3	72.5	11,400 *
66.0	46.6	70.7	11,000 *
68.0	44.8	68.7	10,700 *
70.0	43.0	66.6	10,400 *
72.0	41.0	64.3	10,100 *
74.0	39.0	61.9	9,700 *
76.0	36.9	59.3	9,200 *
78.0	34.7	56.5	9,000 *
80.0	32.4	53.4	8,500 *
82.0	29.9	50.0	8,300 *
84.0	27.2	46.3	7,900 *



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<b>100 Ft. Boom</b>			
46.0	65.4	96.4	15,800 *
48.0	64.1	95.4	15,200 *
50.0	62.8	94.4	14,600 *
52.0	61.5	93.3	14,000 *
54.0	60.2	92.2	13,500 *
56.0	58.8	91.0	13,000 *
58.0	57.5	89.7	12,500 *
60.0	56.1	88.4	12,100 *
62.0	54.7	87.0	11,700 *
64.0	53.3	85.5	11,400 *
66.0	51.8	84.0	11,000 *
68.0	50.4	82.3	10,700 *
70.0	48.8	80.6	10,300
72.0	47.3	78.8	9,900
74.0	45.7	76.8	9,400
76.0	44.1	74.8	9,000
78.0	42.4	72.6	8,800
80.0	40.6	70.3	8,300
82.0	38.8	67.9	8,100
84.0	36.9	65.3	7,700
86.0	35.0	62.5	7,400
88.0	32.9	59.5	7,200
90.0	30.7	56.2	7,000
92.0	28.3	52.6	6,800
94.0	25.8	48.6	6,600

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>110 Ft. Boom</b>			
56.0	62.0	102.5	11,900 *
58.0	60.8	101.4	11,700 *
60.0	59.6	100.3	11,600 *
62.0	58.3	99.0	11,300 *
64.0	57.1	97.8	11,100 *
66.0	55.8	96.4	10,800 *
68.0	54.6	95.0	10,400 *
70.0	53.3	93.5	10,100
72.0	52.0	92.0	9,700
74.0	50.6	90.3	9,300
76.0	49.2	88.6	8,900
78.0	47.8	86.8	8,500
80.0	46.4	85.0	8,200
82.0	45.0	83.0	7,900
84.0	43.4	80.9	7,500
86.0	41.9	78.7	7,200
88.0	40.3	76.4	7,000
90.0	38.6	73.9	6,800
92.0	36.9	71.3	6,600
94.0	35.1	68.5	6,400
96.0	33.3	65.5	6,200
98.0	31.3	62.3	5,900
100.0	29.2	58.8	5,700
102.0	27.0	55.0	5,500
104.0	24.5	50.8	5,300

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>120 Ft. Boom</b>			
56.0	64.5	113.8	11,400 *
58.0	63.4	112.8	11,300 *
60.0	62.3	111.7	11,200 *
62.0	61.3	110.6	11,000 *
64.0	60.2	109.5	10,800 *
66.0	59.0	108.3	10,600 *
68.0	57.9	107.1	10,200 *
70.0	56.8	105.8	9,900
72.0	55.6	104.4	9,500
74.0	54.5	103.0	9,100
76.0	53.3	101.5	8,800
78.0	52.1	100.0	8,400
80.0	50.8	98.4	8,100
82.0	49.6	96.7	7,700
84.0	48.3	94.9	7,400
86.0	47.0	93.1	7,100
88.0	45.7	91.1	6,800
90.0	44.3	89.1	6,600
92.0	42.9	87.0	6,400
94.0	41.5	84.7	6,200
96.0	40.0	82.4	6,000
98.0	38.5	79.9	5,700
100.0	36.9	77.3	5,500
102.0	35.3	74.5	5,300
104.0	33.6	71.6	5,100
106.0	31.8	68.4	5,000