



# Liftcrane Boom Capacities

**75,000 LB. Crane Counterweight  
Extended Position Crawlers  
360 Degree Rating**



## 12000 SERIES 2

### 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 75% 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 hooks, hook blocks, slings and other lifting devices beneath boom and jib point sheaves are part of the total load. Their 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. In all cases, auxiliary sheave (upper boom point) capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 700 lbs.
10. When lifting over boom point with jib or auxiliary sheave (upper point), rated loads for the boom must be reduced as shown below.
11. 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.
12. Machine travel with load (pick and carry).
  - A. Travel with crane upperworks in-line with crawlers. Grade in any direction must not exceed 1 percent (0.5 degrees).
  - B. Travel surface must be firm, level and uniformly supporting. Capacity charts are based on static conditions; therefore judgment must be used to allow for dynamic effects of traveling with load. Carry load as close to ground as possible. Stabilize load with taglines. Travel slowly and smoothly to avoid shock loading boom, jib and rigging.
13. Consult jib chart for liftcrane jib capacities.

| Jib length   | Upper Boom Point | 30 ft. | 40 ft. | 50 ft. | 60 ft. | 70 ft. |
|--------------|------------------|--------|--------|--------|--------|--------|
| Deduct (lbs) | 700              | 2,400  | 3,200  | 4,200  | 5,200  | 6,200  |

#### Hoist Reeving for Auxiliary Sheave (Upper Boom Point)

| No. of Parts of Line | 1      | 2      |
|----------------------|--------|--------|
| Maximum Loads (lbs)  | 25,000 | 50,000 |



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### OPERATING CONDITION:

1. The machine must be reeved and set-up as stated in the Operators Manual. If this manual is missing, obtain replacement.
5. Machine equipped with 22 ft. 2 in. crawlers, 36 in. treads, 10 parts of boom hoist reeving, 75,000 lbs. crane counterweight.

- 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.

2. The total load that can be lifted over a jib is limited by the rated jib loads.

Hoist Reeving for Main Boom Loads

| No. of Parts of Line | 1      | 2      | 3      | 4       | 5       |
|----------------------|--------|--------|--------|---------|---------|
| Maximum Loads (lbs)  | 25,000 | 50,000 | 75,000 | 100,000 | 125,000 |

| No. of Parts of Line | 6       | 7       | 8       | 9       | 10      |
|----------------------|---------|---------|---------|---------|---------|
| Maximum Loads (lbs)  | 150,000 | 175,000 | 200,000 | 225,000 | 240,000 |

| Maximum Boom and Jib Lengths Lifted Unassisted                                                                                                                                         |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Over End of Crawlers                                                                                                                                                                   |            |
| Boom Length                                                                                                                                                                            | Jib Length |
| 230 ft. (a)                                                                                                                                                                            | —          |
| 200 ft.                                                                                                                                                                                | 70 ft.     |
| Load block, hook and weight ball on ground at start.<br>(a) Auxiliary sheave (upper point) cannot be attached on 230 ft. boom.<br>Jibs can only be mounted on 90 ft. to 200 ft. booms. |            |

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

3. Front and rear load hoist drum wire rope: 26 mm, 6 x 29, FL, IWRC C/O, Minimum breaking strength: 120,000 lbs. Front Drum: 853 feet, Rear Drum: 754 feet.
4. Boom hoist wire rope: 508 feet, 20 mm, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 73,700 lbs.



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**Meets  
ANSI B30.5  
Requirements**



## 12000 SERIES 2

| Load Radius (ft)   | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|--------------------|------------------|-----------------------|-----------------------|
| <b>50 Ft. Boom</b> |                  |                       |                       |
| 12.0               | 81.4             | 56.5                  | 240,000 *             |
| 13.0               | 80.2             | 56.3                  | 220,000 *             |
| 14.0               | 79.0             | 56.1                  | 206,000 *             |
| 15.0               | 77.9             | 55.9                  | 191,000 *             |
| 16.0               | 76.7             | 55.7                  | 177,000 *             |
| 17.0               | 75.5             | 55.4                  | 163,000 *             |
| 18.0               | 74.3             | 55.1                  | 150,000 *             |
| 19.0               | 73.1             | 54.8                  | 142,100 *             |
| 20.0               | 71.9             | 54.5                  | 135,000 *             |
| 22.0               | 69.5             | 53.7                  | 122,800 *             |
| 24.0               | 67.0             | 52.9                  | 111,900               |
| 26.0               | 64.4             | 51.9                  | 99,600                |
| 28.0               | 61.8             | 50.9                  | 89,500                |
| 30.0               | 59.2             | 49.7                  | 81,100                |
| 32.0               | 56.4             | 48.4                  | 74,200                |
| 34.0               | 53.6             | 46.9                  | 68,300                |
| 36.0               | 50.7             | 45.3                  | 63,200                |
| 38.0               | 47.6             | 43.5                  | 58,800                |
| 40.0               | 44.3             | 41.5                  | 55,100                |
| 45.0               | 35.2             | 35.3                  | 47,100                |
| <b>60 Ft. Boom</b> |                  |                       |                       |
| 13.5               | 81.4             | 66.4                  | 210,000 *             |
| 14.0               | 80.9             | 66.3                  | 204,000 *             |
| 15.0               | 79.9             | 66.1                  | 190,000 *             |
| 16.0               | 78.9             | 65.9                  | 177,000 *             |
| 17.0               | 78.0             | 65.7                  | 163,000 *             |
| 18.0               | 77.0             | 65.5                  | 150,000 *             |
| 19.0               | 76.0             | 65.2                  | 142,100 *             |
| 20.0               | 75.0             | 64.9                  | 135,000 *             |
| 22.0               | 73.0             | 64.3                  | 122,700 *             |
| 24.0               | 71.0             | 63.7                  | 111,700               |
| 26.0               | 69.0             | 62.9                  | 99,200                |
| 28.0               | 66.9             | 62.0                  | 89,200                |
| 30.0               | 64.8             | 61.1                  | 80,900                |
| 32.0               | 62.6             | 60.1                  | 73,800                |
| 34.0               | 60.4             | 59.0                  | 68,100                |
| 36.0               | 58.2             | 57.7                  | 63,000                |
| 38.0               | 55.9             | 56.4                  | 58,600                |
| 40.0               | 53.5             | 54.9                  | 54,600                |
| 45.0               | 47.2             | 50.7                  | 46,700                |
| 50.0               | 40.2             | 45.3                  | 40,700                |
| 55.0               | 31.9             | 38.2                  | 36,100                |

| Load Radius (ft)   | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|--------------------|------------------|-----------------------|-----------------------|
| <b>70 Ft. Boom</b> |                  |                       |                       |
| 15.0               | 81.4             | 76.3                  | 190,000 *             |
| 16.0               | 80.5             | 76.1                  | 177,000 *             |
| 17.0               | 79.7             | 75.9                  | 163,000 *             |
| 18.0               | 78.9             | 75.7                  | 150,000 *             |
| 19.0               | 78.0             | 75.5                  | 142,100 *             |
| 20.0               | 77.2             | 75.3                  | 135,000 *             |
| 22.0               | 75.5             | 74.8                  | 122,700 *             |
| 24.0               | 73.8             | 74.2                  | 111,700               |
| 26.0               | 72.1             | 73.5                  | 99,200                |
| 28.0               | 70.3             | 72.8                  | 89,000                |
| 30.0               | 68.6             | 72.1                  | 80,600                |
| 32.0               | 66.8             | 71.2                  | 73,800                |
| 34.0               | 65.0             | 70.3                  | 67,900                |
| 36.0               | 63.2             | 69.3                  | 62,800                |
| 38.0               | 61.3             | 68.2                  | 58,400                |
| 40.0               | 59.4             | 67.0                  | 54,400                |
| 45.0               | 54.5             | 63.7                  | 46,500                |
| 50.0               | 49.2             | 59.6                  | 40,500                |
| 55.0               | 43.5             | 54.8                  | 35,900                |
| 60.0               | 37.1             | 48.7                  | 32,100                |
| <b>80 Ft. Boom</b> |                  |                       |                       |
| 16.5               | 81.4             | 86.2                  | 171,000 *             |
| 17.0               | 81.0             | 86.1                  | 163,000 *             |
| 18.0               | 80.3             | 85.9                  | 150,000 *             |
| 19.0               | 79.6             | 85.7                  | 142,100 *             |
| 20.0               | 78.8             | 85.5                  | 135,000 *             |
| 22.0               | 77.4             | 85.1                  | 122,400 *             |
| 24.0               | 75.9             | 84.6                  | 111,500               |
| 26.0               | 74.4             | 84.0                  | 98,900                |
| 28.0               | 72.9             | 83.4                  | 88,800                |
| 30.0               | 71.4             | 82.7                  | 80,400                |
| 32.0               | 69.9             | 82.0                  | 73,400                |
| 34.0               | 68.3             | 81.2                  | 67,400                |
| 36.0               | 66.8             | 80.4                  | 62,300                |
| 38.0               | 65.2             | 79.5                  | 57,900                |
| 40.0               | 63.6             | 78.5                  | 54,200                |
| 45.0               | 59.5             | 75.7                  | 46,200                |
| 50.0               | 55.2             | 72.4                  | 40,100                |
| 55.0               | 50.7             | 68.5                  | 35,400                |
| 60.0               | 45.8             | 64.0                  | 31,700                |
| 65.0               | 40.5             | 58.5                  | 28,600                |
| 70.0               | 34.6             | 51.9                  | 26,000                |

| Load Radius (ft)   | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|--------------------|------------------|-----------------------|-----------------------|
| <b>90 Ft. Boom</b> |                  |                       |                       |
| 18.0               | 81.4             | 96.1                  | 150,000 *             |
| 19.0               | 80.7             | 95.9                  | 140,000 *             |
| 20.0               | 80.1             | 95.7                  | 135,000 *             |
| 22.0               | 78.8             | 95.3                  | 122,400 *             |
| 24.0               | 77.5             | 94.9                  | 111,500               |
| 26.0               | 76.2             | 94.4                  | 98,900                |
| 28.0               | 74.8             | 93.9                  | 88,800                |
| 30.0               | 73.5             | 93.3                  | 80,400                |
| 32.0               | 72.2             | 92.6                  | 73,400                |
| 34.0               | 70.8             | 91.9                  | 67,400                |
| 36.0               | 69.5             | 91.2                  | 62,300                |
| 38.0               | 68.1             | 90.4                  | 57,900                |
| 40.0               | 66.7             | 89.5                  | 54,000                |
| 45.0               | 63.2             | 87.1                  | 46,000                |
| 50.0               | 59.5             | 84.3                  | 40,100                |
| 55.0               | 55.8             | 81.1                  | 35,400                |
| 60.0               | 51.8             | 77.4                  | 31,500                |
| 65.0               | 47.6             | 73.0                  | 28,400                |
| 70.0               | 43.0             | 68.0                  | 25,700                |
| 75.0               | 38.1             | 62.0                  | 23,500                |
| 80.0               | 32.5             | 54.8                  | 21,600                |



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| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>100 Ft. Boom</b> |                  |                       |                       |
| 19.5                | 81.4             | 106.0                 | 137,500 *             |
| 20.0                | 81.1             | 105.9                 | 135,000 *             |
| 22.0                | 79.9             | 105.5                 | 122,200 *             |
| 24.0                | 78.8             | 105.1                 | 111,300               |
| 26.0                | 77.6             | 104.7                 | 98,700                |
| 28.0                | 76.4             | 104.2                 | 88,600                |
| 30.0                | 75.2             | 103.7                 | 80,200                |
| 32.0                | 74.0             | 103.1                 | 73,100                |
| 34.0                | 72.8             | 102.5                 | 67,200                |
| 36.0                | 71.6             | 101.8                 | 62,100                |
| 38.0                | 70.4             | 101.1                 | 57,700                |
| 40.0                | 69.2             | 100.4                 | 53,700                |
| 45.0                | 66.1             | 98.3                  | 45,800                |
| 50.0                | 62.9             | 95.8                  | 39,900                |
| 55.0                | 59.6             | 93.0                  | 35,000                |
| 60.0                | 56.2             | 89.8                  | 31,300                |
| 65.0                | 52.6             | 86.2                  | 27,900                |
| 70.0                | 48.9             | 82.0                  | 25,300                |
| 75.0                | 45.0             | 77.2                  | 23,100                |
| 80.0                | 40.7             | 71.8                  | 21,100                |
| 85.0                | 36.0             | 65.3                  | 19,600                |
| 90.0                | 30.8             | 57.6                  | 18,000                |
| <b>110 Ft. Boom</b> |                  |                       |                       |
| 20.9                | 81.4             | 115.9                 | 128,600 *             |
| 22.0                | 80.8             | 115.7                 | 122,000 *             |
| 24.0                | 79.8             | 115.3                 | 111,300               |
| 26.0                | 78.7             | 114.9                 | 98,500                |
| 28.0                | 77.7             | 114.5                 | 88,400                |
| 30.0                | 76.6             | 114.0                 | 80,000                |
| 32.0                | 75.5             | 113.5                 | 72,900                |
| 34.0                | 74.4             | 112.9                 | 67,000                |
| 36.0                | 73.3             | 112.3                 | 61,900                |
| 38.0                | 72.3             | 111.7                 | 57,500                |
| 40.0                | 71.2             | 111.0                 | 53,500                |
| 45.0                | 68.4             | 109.1                 | 45,600                |
| 50.0                | 65.5             | 107.0                 | 39,600                |
| 55.0                | 62.6             | 104.5                 | 34,800                |
| 60.0                | 59.6             | 101.7                 | 31,000                |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>110 Ft. Boom</b> |                  |                       |                       |
| 65.0                | 56.5             | 98.5                  | 27,700                |
| 70.0                | 53.3             | 94.9                  | 25,100                |
| 75.0                | 50.0             | 90.9                  | 22,900                |
| 80.0                | 46.5             | 86.4                  | 20,900                |
| 85.0                | 42.7             | 81.2                  | 19,100                |
| 90.0                | 38.7             | 75.3                  | 17,800                |
| 95.0                | 34.3             | 68.4                  | 16,500                |
| <b>120 Ft. Boom</b> |                  |                       |                       |
| 22.4                | 81.4             | 125.7                 | 121,000 *             |
| 24.0                | 80.6             | 125.5                 | 111,100               |
| 26.0                | 79.7             | 125.1                 | 98,500                |
| 28.0                | 78.7             | 124.7                 | 88,400                |
| 30.0                | 77.7             | 124.3                 | 80,000                |
| 32.0                | 76.7             | 123.8                 | 72,900                |
| 34.0                | 75.8             | 123.3                 | 67,000                |
| 36.0                | 74.8             | 122.8                 | 61,900                |
| 38.0                | 73.8             | 122.2                 | 57,500                |
| 40.0                | 72.8             | 121.6                 | 53,500                |
| 45.0                | 70.3             | 119.9                 | 45,600                |
| 50.0                | 67.7             | 117.9                 | 39,400                |
| 55.0                | 65.1             | 115.7                 | 34,800                |
| 60.0                | 62.4             | 113.1                 | 30,800                |
| 65.0                | 59.7             | 110.3                 | 27,700                |
| 70.0                | 56.8             | 107.2                 | 25,100                |
| 75.0                | 53.9             | 103.7                 | 22,700                |
| 80.0                | 50.9             | 99.8                  | 20,700                |
| 85.0                | 47.7             | 95.4                  | 19,100                |
| 90.0                | 44.4             | 90.5                  | 17,600                |
| 95.0                | 40.8             | 85.0                  | 16,300                |
| 100.0               | 37.0             | 78.7                  | 15,200                |
| 105.0               | 32.8             | 71.4                  | 14,100                |
| <b>130 Ft. Boom</b> |                  |                       |                       |
| 23.9                | 81.4             | 135.6                 | 100,000 *             |
| 24.0                | 81.4             | 135.6                 | 100,000 *             |
| 26.0                | 80.5             | 135.3                 | 98,300                |
| 28.0                | 79.6             | 134.9                 | 88,100                |
| 30.0                | 78.7             | 134.5                 | 79,800                |
| 32.0                | 77.8             | 134.1                 | 72,700                |
| 34.0                | 76.9             | 133.6                 | 66,700                |
| 36.0                | 76.0             | 133.1                 | 61,700                |
| 38.0                | 75.1             | 132.6                 | 57,300                |
| 40.0                | 74.1             | 132.0                 | 53,300                |
| 45.0                | 71.8             | 130.5                 | 45,400                |
| 50.0                | 69.5             | 128.7                 | 39,400                |
| 55.0                | 67.1             | 126.6                 | 34,600                |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>130 Ft. Boom</b> |                  |                       |                       |
| 60.0                | 64.7             | 124.4                 | 30,600                |
| 65.0                | 62.2             | 121.8                 | 27,500                |
| 70.0                | 59.7             | 119.0                 | 24,900                |
| 75.0                | 57.1             | 115.9                 | 22,400                |
| 80.0                | 54.4             | 112.4                 | 20,500                |
| 85.0                | 51.6             | 108.6                 | 18,900                |
| 90.0                | 48.8             | 104.4                 | 17,400                |
| 95.0                | 45.7             | 99.7                  | 16,000                |
| 100.0               | 42.5             | 94.5                  | 14,700                |
| 105.0               | 39.1             | 88.6                  | 13,800                |
| 110.0               | 35.5             | 81.9                  | 13,000                |
| 115.0               | 31.4             | 74.2                  | 12,100                |
| <b>140 Ft. Boom</b> |                  |                       |                       |
| 25.4                | 81.4             | 145.5                 | 100,000 *             |
| 26.0                | 81.2             | 145.4                 | 98,100                |
| 28.0                | 80.3             | 145.1                 | 87,900                |
| 30.0                | 79.5             | 144.7                 | 79,500                |
| 32.0                | 78.7             | 144.3                 | 72,500                |
| 34.0                | 77.8             | 143.9                 | 66,500                |
| 36.0                | 77.0             | 143.4                 | 61,500                |
| 38.0                | 76.1             | 142.9                 | 57,000                |
| 40.0                | 75.3             | 142.4                 | 53,100                |
| 45.0                | 73.2             | 141.0                 | 45,100                |
| 50.0                | 71.0             | 139.3                 | 39,000                |
| 55.0                | 68.8             | 137.4                 | 34,300                |
| 60.0                | 66.6             | 135.4                 | 30,400                |
| 65.0                | 64.4             | 133.0                 | 27,100                |
| 70.0                | 62.1             | 130.5                 | 24,400                |
| 75.0                | 59.7             | 127.7                 | 22,200                |
| 80.0                | 57.3             | 124.5                 | 20,200                |
| 85.0                | 54.8             | 121.1                 | 18,500                |
| 90.0                | 52.3             | 117.4                 | 16,900                |
| 95.0                | 49.6             | 113.3                 | 15,600                |
| 100.0               | 46.9             | 108.8                 | 14,500                |
| 105.0               | 44.0             | 103.8                 | 13,400                |
| 110.0               | 40.9             | 98.2                  | 12,500                |
| 115.0               | 37.7             | 92.0                  | 11,600                |
| 120.0               | 34.1             | 85.0                  | 11,000                |
| 125.0               | 30.3             | 77.0                  | 10,300                |



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## 12000 SERIES 2

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>150 Ft. Boom</b> |                  |                       |                       |
| 26.9                | 81.4             | 155.4                 | 92,800                |
| 28.0                | 81.0             | 155.2                 | 87,700                |
| 30.0                | 80.2             | 154.9                 | 79,300                |
| 32.0                | 79.4             | 154.5                 | 72,300                |
| 34.0                | 78.7             | 154.1                 | 66,300                |
| 36.0                | 77.9             | 153.7                 | 61,000                |
| 38.0                | 77.1             | 153.2                 | 56,600                |
| 40.0                | 76.3             | 152.7                 | 52,600                |
| 45.0                | 74.3             | 151.4                 | 44,700                |
| 50.0                | 72.3             | 149.9                 | 38,800                |
| 55.0                | 70.3             | 148.1                 | 33,900                |
| 60.0                | 68.3             | 146.2                 | 29,900                |
| 65.0                | 66.2             | 144.1                 | 26,800                |
| 70.0                | 64.1             | 141.7                 | 24,200                |
| 75.0                | 61.9             | 139.1                 | 21,800                |
| 80.0                | 59.7             | 136.3                 | 19,800                |
| 85.0                | 57.5             | 133.2                 | 18,000                |
| 90.0                | 55.2             | 129.8                 | 16,700                |
| 95.0                | 52.8             | 126.2                 | 15,400                |
| 100.0               | 50.4             | 122.2                 | 14,100                |
| 105.0               | 47.8             | 117.8                 | 13,200                |
| 110.0               | 45.2             | 113.0                 | 12,100                |
| 115.0               | 42.4             | 107.7                 | 11,200                |
| 120.0               | 39.5             | 101.8                 | 10,500                |
| 125.0               | 36.3             | 95.3                  | 9,900                 |
| 130.0               | 32.9             | 88.0                  | 9,200                 |
| <b>160 Ft. Boom</b> |                  |                       |                       |
| 28.4                | 81.4             | 165.3                 | 75,000 *              |
| 30.0                | 80.8             | 165.0                 | 75,000 *              |
| 32.0                | 80.1             | 164.7                 | 72,300                |
| 34.0                | 79.4             | 164.3                 | 66,300                |
| 36.0                | 78.6             | 163.9                 | 61,200                |
| 38.0                | 77.9             | 163.5                 | 56,800                |
| 40.0                | 77.2             | 163.0                 | 52,900                |
| 45.0                | 75.3             | 161.8                 | 44,900                |
| 50.0                | 73.5             | 160.3                 | 38,800                |
| 55.0                | 71.6             | 158.7                 | 33,900                |
| 60.0                | 69.7             | 157.0                 | 30,200                |
| 65.0                | 67.8             | 155.0                 | 26,800                |
| 70.0                | 65.8             | 152.8                 | 24,200                |
| 75.0                | 63.8             | 150.4                 | 21,800                |
| 80.0                | 61.8             | 147.8                 | 19,800                |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>160 Ft. Boom</b> |                  |                       |                       |
| 85.0                | 59.7             | 145.0                 | 18,200                |
| 90.0                | 57.6             | 141.9                 | 16,700                |
| 95.0                | 55.5             | 138.6                 | 15,400                |
| 100.0               | 53.3             | 134.9                 | 14,100                |
| 105.0               | 51.0             | 131.0                 | 13,200                |
| 110.0               | 48.6             | 126.7                 | 12,100                |
| 115.0               | 46.2             | 122.1                 | 11,200                |
| 120.0               | 43.7             | 117.0                 | 10,500                |
| 125.0               | 41.0             | 111.5                 | 9,700                 |
| 130.0               | 38.1             | 105.3                 | 9,200                 |
| 135.0               | 35.1             | 98.5                  | 8,500                 |
| 140.0               | 31.8             | 90.9                  | 7,900                 |
| <b>170 Ft. Boom</b> |                  |                       |                       |
| 29.9                | 81.4             | 175.2                 | 75,000 *              |
| 30.0                | 81.4             | 175.2                 | 75,000 *              |
| 32.0                | 80.7             | 174.8                 | 72,000                |
| 34.0                | 80.0             | 174.5                 | 66,100                |
| 36.0                | 79.3             | 174.1                 | 60,800                |
| 38.0                | 78.6             | 173.7                 | 56,400                |
| 40.0                | 77.9             | 173.3                 | 52,400                |
| 45.0                | 76.2             | 172.1                 | 44,500                |
| 50.0                | 74.5             | 170.8                 | 38,500                |
| 55.0                | 72.7             | 169.3                 | 33,700                |
| 60.0                | 70.9             | 167.6                 | 29,700                |
| 65.0                | 69.1             | 165.7                 | 26,400                |
| 70.0                | 67.3             | 163.7                 | 23,800                |
| 75.0                | 65.5             | 161.5                 | 21,600                |
| 80.0                | 63.6             | 159.1                 | 19,600                |
| 85.0                | 61.7             | 156.5                 | 17,800                |
| 90.0                | 59.8             | 153.6                 | 16,300                |
| 95.0                | 57.8             | 150.6                 | 14,900                |
| 100.0               | 55.8             | 147.3                 | 13,800                |
| 105.0               | 53.7             | 143.7                 | 12,700                |
| 110.0               | 51.6             | 139.8                 | 11,600                |
| 115.0               | 49.4             | 135.6                 | 11,000                |
| 120.0               | 47.1             | 131.1                 | 10,100                |
| 125.0               | 44.7             | 126.2                 | 9,400                 |
| 130.0               | 42.3             | 120.9                 | 8,800                 |
| 135.0               | 39.7             | 115.1                 | 8,100                 |
| 140.0               | 37.0             | 108.7                 | 7,400                 |
| 145.0               | 34.0             | 101.6                 | 7,000                 |
| 150.0               | 30.9             | 93.6                  | 6,600                 |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>180 Ft. Boom</b> |                  |                       |                       |
| 31.4                | 81.4             | 185.1                 | 73,400                |
| 32.0                | 81.2             | 185.0                 | 71,800                |
| 34.0                | 80.6             | 184.6                 | 65,900                |
| 36.0                | 79.9             | 184.3                 | 60,600                |
| 38.0                | 79.3             | 183.9                 | 56,200                |
| 40.0                | 78.6             | 183.5                 | 52,200                |
| 45.0                | 77.0             | 182.4                 | 44,300                |
| 50.0                | 75.4             | 181.1                 | 38,100                |
| 55.0                | 73.7             | 179.7                 | 33,200                |
| 60.0                | 72.0             | 178.2                 | 29,500                |
| 65.0                | 70.3             | 176.4                 | 26,200                |
| 70.0                | 68.6             | 174.5                 | 23,500                |
| 75.0                | 66.9             | 172.5                 | 21,100                |
| 80.0                | 65.2             | 170.2                 | 19,100                |
| 85.0                | 63.4             | 167.8                 | 17,600                |
| 90.0                | 61.6             | 165.1                 | 16,000                |
| 95.0                | 59.8             | 162.3                 | 14,700                |
| 100.0               | 57.9             | 159.2                 | 13,400                |
| 105.0               | 56.0             | 155.9                 | 12,300                |
| 110.0               | 54.1             | 152.4                 | 11,400                |
| 115.0               | 52.1             | 148.6                 | 10,500                |
| 120.0               | 50.0             | 144.5                 | 9,900                 |
| 125.0               | 47.9             | 140.1                 | 9,000                 |
| 130.0               | 45.7             | 135.4                 | 8,300                 |
| 135.0               | 43.4             | 130.3                 | 7,700                 |
| 140.0               | 41.0             | 124.7                 | 7,200                 |
| 145.0               | 38.5             | 118.6                 | 6,600                 |
| 150.0               | 35.9             | 112.0                 | 6,100                 |
| 155.0               | 33.0             | 104.6                 | 5,700                 |
| 160.0               | 30.0             | 96.3                  | 5,200                 |



# Liftcrane Boom Capacities

**75,000 LB. Crane Counterweight**  
**Extended Position Crawlers**  
**360 Degree Rating**

Meets  
**ANSI B30.5**  
Requirements



## 12000 SERIES 2

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>190 Ft. Boom</b> |                  |                       |                       |
| 32.9                | 81.4             | 194.9                 | 66,300 *              |
| 34.0                | 81.1             | 194.8                 | 65,400                |
| 36.0                | 80.5             | 194.4                 | 60,400                |
| 38.0                | 79.8             | 194.1                 | 55,900                |
| 40.0                | 79.2             | 193.7                 | 52,000                |
| 45.0                | 77.7             | 192.7                 | 44,000                |
| 50.0                | 76.1             | 191.5                 | 37,900                |
| 55.0                | 74.6             | 190.1                 | 33,000                |
| 60.0                | 73.0             | 188.7                 | 29,100                |
| 65.0                | 71.4             | 187.0                 | 26,000                |
| 70.0                | 69.8             | 185.2                 | 23,100                |
| 75.0                | 68.2             | 183.3                 | 20,900                |
| 80.0                | 66.6             | 181.2                 | 18,900                |
| 85.0                | 64.9             | 178.9                 | 17,100                |
| 90.0                | 63.2             | 176.4                 | 15,600                |
| 95.0                | 61.5             | 173.8                 | 14,300                |
| 100.0               | 59.8             | 171.0                 | 13,200                |
| 105.0               | 58.0             | 167.9                 | 12,100                |
| 110.0               | 56.2             | 164.6                 | 11,000                |
| 115.0               | 54.4             | 161.1                 | 10,100                |
| 120.0               | 52.5             | 157.4                 | 9,400                 |
| 125.0               | 50.6             | 153.4                 | 8,800                 |
| 130.0               | 48.6             | 149.1                 | 7,900                 |
| 135.0               | 46.5             | 144.5                 | 7,200                 |
| 140.0               | 44.4             | 139.5                 | 6,800                 |
| 145.0               | 42.2             | 134.1                 | 6,100                 |
| 150.0               | 39.9             | 128.3                 | 5,700                 |
| 155.0               | 37.4             | 122.0                 | 5,200                 |
| 160.0               | 34.9             | 115.1                 | 4,800                 |
| 165.0               | 32.1             | 107.5                 | 4,400                 |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>200 Ft. Boom</b> |                  |                       |                       |
| 34.4                | 81.4             | 204.8                 | 50,000 *              |
| 36.0                | 80.9             | 204.6                 | 50,000 *              |
| 38.0                | 80.4             | 204.2                 | 50,000 *              |
| 40.0                | 79.8             | 203.9                 | 50,000 *              |
| 45.0                | 78.3             | 202.9                 | 44,000                |
| 50.0                | 76.8             | 201.8                 | 37,900                |
| 55.0                | 75.4             | 200.5                 | 33,000                |
| 60.0                | 73.9             | 199.1                 | 29,300                |
| 65.0                | 72.4             | 197.6                 | 26,000                |
| 70.0                | 70.9             | 195.9                 | 23,300                |
| 75.0                | 69.3             | 194.0                 | 20,900                |
| 80.0                | 67.8             | 192.1                 | 18,900                |
| 85.0                | 66.2             | 189.9                 | 17,100                |
| 90.0                | 64.7             | 187.6                 | 15,600                |
| 95.0                | 63.1             | 185.1                 | 14,300                |
| 100.0               | 61.4             | 182.5                 | 13,200                |
| 105.0               | 59.8             | 179.6                 | 12,100                |
| 110.0               | 58.1             | 176.6                 | 11,200                |
| 115.0               | 56.4             | 173.3                 | 10,300                |
| 120.0               | 54.7             | 169.9                 | 9,400                 |
| 125.0               | 52.9             | 166.2                 | 8,800                 |
| 130.0               | 51.1             | 162.2                 | 7,900                 |
| 135.0               | 49.2             | 158.0                 | 7,200                 |
| 140.0               | 47.3             | 153.5                 | 6,800                 |
| 145.0               | 45.3             | 148.7                 | 6,100                 |
| 150.0               | 43.2             | 143.5                 | 5,700                 |
| 155.0               | 41.1             | 137.9                 | 5,000                 |
| 160.0               | 38.8             | 131.9                 | 4,600                 |
| 165.0               | 36.5             | 125.3                 | 4,100                 |
| 170.0               | 34.0             | 118.2                 | 3,900                 |
| 175.0               | 31.3             | 110.3                 | 3,500                 |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>210 Ft. Boom</b> |                  |                       |                       |
| 35.9                | 81.4             | 214.7                 | 50,000 *              |
| 36.0                | 81.4             | 214.7                 | 50,000 *              |
| 38.0                | 80.8             | 214.4                 | 50,000 *              |
| 40.0                | 80.3             | 214.0                 | 50,000 *              |
| 45.0                | 78.9             | 213.1                 | 43,800                |
| 50.0                | 77.5             | 212.0                 | 37,600                |
| 55.0                | 76.1             | 210.8                 | 32,800                |
| 60.0                | 74.7             | 209.5                 | 28,800                |
| 65.0                | 73.2             | 208.0                 | 25,700                |
| 70.0                | 71.8             | 206.4                 | 22,900                |
| 75.0                | 70.4             | 204.7                 | 20,700                |
| 80.0                | 68.9             | 202.8                 | 18,700                |
| 85.0                | 67.4             | 200.8                 | 16,900                |
| 90.0                | 66.0             | 198.6                 | 15,400                |
| 95.0                | 64.4             | 196.3                 | 14,100                |
| 100.0               | 62.9             | 193.8                 | 12,700                |
| 105.0               | 61.4             | 191.1                 | 11,900                |
| 110.0               | 59.8             | 188.3                 | 10,800                |
| 115.0               | 58.2             | 185.2                 | 9,900                 |
| 120.0               | 56.6             | 182.0                 | 9,000                 |
| 125.0               | 54.9             | 178.6                 | 8,300                 |
| 130.0               | 53.2             | 174.9                 | 7,700                 |
| 135.0               | 51.5             | 171.0                 | 6,800                 |
| 140.0               | 49.7             | 166.9                 | 6,300                 |
| 145.0               | 47.9             | 162.5                 | 5,700                 |
| 150.0               | 46.1             | 157.8                 | 5,200                 |
| 155.0               | 44.1             | 152.8                 | 4,600                 |
| 160.0               | 42.1             | 147.4                 | 4,100                 |
| 165.0               | 40.0             | 141.6                 | 3,700                 |
| 170.0               | 37.8             | 135.3                 | 3,500                 |





# Liftcrane Boom Capacities

**75,000 LB. Crane Counterweight**  
**Extended Position Crawlers**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**



## 12000 SERIES 2

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>220 Ft. Boom</b> |                  |                       |                       |
| 37.4                | 81.4             | 224.6                 | 48,200 *              |
| 38.0                | 81.2             | 224.5                 | 47,800 *              |
| 40.0                | 80.7             | 224.2                 | 46,700 *              |
| 45.0                | 79.4             | 223.3                 | 43,400                |
| 50.0                | 78.1             | 222.3                 | 37,400                |
| 55.0                | 76.7             | 221.1                 | 32,600                |
| 60.0                | 75.4             | 219.9                 | 28,600                |
| 65.0                | 74.0             | 218.5                 | 25,300                |
| 70.0                | 72.7             | 217.0                 | 22,700                |
| 75.0                | 71.3             | 215.3                 | 20,200                |
| 80.0                | 69.9             | 213.5                 | 18,200                |
| 85.0                | 68.5             | 211.6                 | 16,700                |
| 90.0                | 67.1             | 209.5                 | 15,200                |
| 95.0                | 65.7             | 207.3                 | 13,800                |
| 100.0               | 64.2             | 205.0                 | 12,500                |
| 105.0               | 62.8             | 202.5                 | 11,400                |
| 110.0               | 61.3             | 199.8                 | 10,500                |
| 115.0               | 59.8             | 196.9                 | 9,700                 |
| 120.0               | 58.3             | 193.9                 | 8,800                 |
| 125.0               | 56.7             | 190.7                 | 7,900                 |
| 130.0               | 55.2             | 187.3                 | 7,200                 |
| 135.0               | 53.6             | 183.7                 | 6,600                 |
| 140.0               | 51.9             | 179.8                 | 5,900                 |
| 145.0               | 50.2             | 175.8                 | 5,200                 |
| 150.0               | 48.5             | 171.4                 | 4,800                 |
| 155.0               | 46.8             | 166.8                 | 4,400                 |
| 160.0               | 44.9             | 162.0                 | 3,900                 |
| 165.0               | 43.0             | 156.7                 | 3,500                 |

| Load Radius (ft)    | Boom Angle (deg) | Boom Point Elev. (ft) | 360° Rated Load (lbs) |
|---------------------|------------------|-----------------------|-----------------------|
| <b>230 Ft. Boom</b> |                  |                       |                       |
| 38.9                | 81.4             | 234.5                 | 43,200 *              |
| 40.0                | 81.1             | 234.3                 | 42,700 *              |
| 45.0                | 79.9             | 233.5                 | 40,100 *              |
| 50.0                | 78.6             | 232.5                 | 37,000                |
| 55.0                | 77.3             | 231.4                 | 32,100                |
| 60.0                | 76.0             | 230.2                 | 28,400                |
| 65.0                | 74.7             | 228.9                 | 25,100                |
| 70.0                | 73.4             | 227.4                 | 22,200                |
| 75.0                | 72.1             | 225.9                 | 20,000                |
| 80.0                | 70.8             | 224.2                 | 18,000                |
| 85.0                | 69.5             | 222.3                 | 16,300                |
| 90.0                | 68.2             | 220.4                 | 14,700                |
| 95.0                | 66.8             | 218.3                 | 13,400                |
| 100.0               | 65.4             | 216.0                 | 12,300                |
| 105.0               | 64.1             | 213.7                 | 11,200                |
| 110.0               | 62.7             | 211.1                 | 10,100                |
| 115.0               | 61.3             | 208.4                 | 9,200                 |
| 120.0               | 59.8             | 205.6                 | 8,300                 |
| 125.0               | 58.4             | 202.6                 | 7,400                 |
| 130.0               | 56.9             | 199.4                 | 6,800                 |
| 135.0               | 55.4             | 196.0                 | 6,100                 |
| 140.0               | 53.9             | 192.4                 | 5,500                 |
| 145.0               | 52.3             | 188.6                 | 4,800                 |
| 150.0               | 50.7             | 184.6                 | 4,400                 |
| 155.0               | 49.1             | 180.4                 | 3,900                 |
| 160.0               | 47.4             | 175.9                 | 3,500                 |