



# Liftcrane Boom Capacities

**76,300 lb Crane Counterweight**  
**14,300 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawler**  
**Extended Position Crawlers**  
**NO TRAVEL - LIMITED SWING**

**12000-1**

**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 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 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, upper boom point capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 700 lb.

10. When lifting over boom point or upper boom point, rated loads for the boom must be reduced as shown below.

Upper Boom Point	
Deduct (lb)	700

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. Travel with load (pick and carry) is not permitted.
13. Jib installation is prohibited.

**Hoist Reeving for Upper Boom Point**

No. of Parts of Line	1	2
Maximum Loads (lb)	25,000	50,000



# Liftcrane Boom Capacities

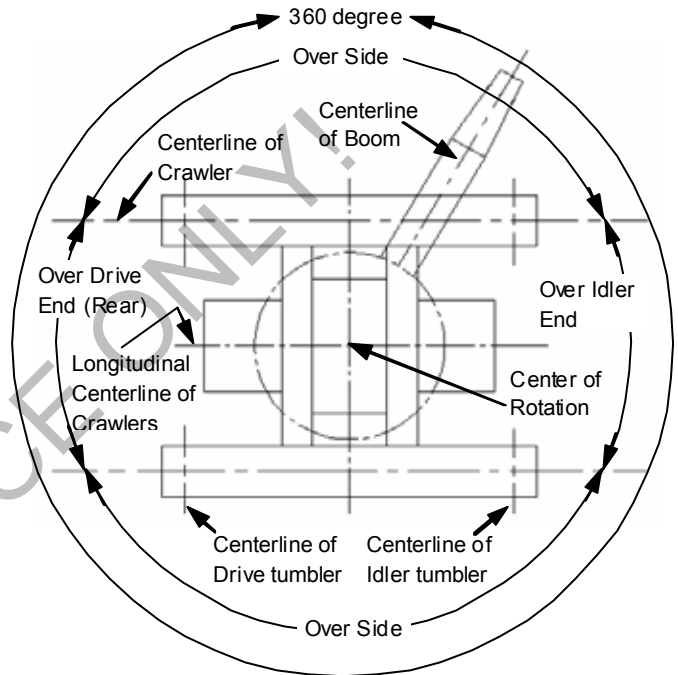
**76,300 lb Crane Counterweight**  
**14,300 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawler**  
**Extended Position Crawlers**  
**NO TRAVEL - LIMITED SWING**

**12000-1**

**OPERATING CONDITION:**

- The machine must be reeved and set-up as stated in the Operator 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 operator manual for operating guidelines.
  - Swing is limited to the angle shown on Fig. 1 (Working Areas).

Fig. 1 Working Areas



Maximum Boom Lengths Lifted Unassisted	
Over End of Blocked Crawlers	
230 ft. (a)	
220 ft.	
Load block, hook and weight ball on ground at start.	
(a) Upper boom point cannot be attached on 230 ft. boom.	

- See Operator Manual Section 6 for Wire Rope Specifications.
- Machine equipped with 22 ft 3 in crawlers, 36 in treads, 10 parts of boom hoist reeving. 76,300 lb crane counterweight and 14,300 lb carbody counterweight.

Hoist Reeving for Main Boom Loads

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

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

- 1) These lines determine the limiting position of any load for operation within working areas indicated.
- 2) Rated loads with Over End Blocked Crawlers only apply to the area of Over Idler End and Over Drive End, shown in Fig. 1.
- 3) Lifting is approved only in those areas for which rated loads are shown on rating chart.

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



# Liftcrane Boom Capacities

76,300 lb Crane Counterweight  
 14,300 lb Carbody Counterweight  
 Rating Over End of Blocked Crawler  
 Extended Position Crawlers  
**NO TRAVEL - LIMITED SWING**

Meets  
**ASME B30.5**  
 Requirements

## 12000-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	102,000
28.0	61.8	50.9	93,000
30.0	59.2	49.7	85,500
32.0	56.4	48.4	79,000
34.0	53.6	46.9	74,000
36.0	50.7	45.3	70,000
38.0	47.6	43.5	66,000
40.0	44.3	41.5	62,500
45.0	35.2	35.3	55,000
<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	69,000
36.0	58.2	57.7	65,000
38.0	55.9	56.4	61,000
40.0	53.5	54.9	58,000
45.0	47.2	50.7	52,000
50.0	40.2	45.3	48,000
55.0	31.9	38.2	44,000

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	68,800
36.0	63.2	69.3	64,800
38.0	61.3	68.2	60,800
40.0	59.4	67.0	57,800
45.0	54.5	63.7	51,800
50.0	49.2	59.6	47,800
55.0	43.5	54.8	43,800
60.0	37.1	48.7	40,300
<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	68,300
36.0	66.8	80.4	64,000
38.0	65.2	79.5	60,700
40.0	63.6	78.5	57,600
45.0	59.5	75.7	51,500
50.0	55.2	72.4	47,400
55.0	50.7	68.5	43,300
60.0	45.8	64.0	39,900
65.0	40.5	58.5	35,900
70.0	34.6	51.9	32,600

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	68,000
36.0	69.5	91.2	64,000
38.0	68.1	90.4	60,500
40.0	66.7	89.5	57,400
45.0	63.2	87.1	51,000
50.0	59.5	84.3	45,500
55.0	55.8	81.1	41,500
60.0	51.8	77.4	38,000
65.0	47.6	73.0	34,500
70.0	43.0	68.0	31,500
75.0	38.1	62.0	29,000
80.0	32.5	54.8	27,000



# Liftcrane Boom Capacities

76,300 lb Crane Counterweight  
14,300 lb Carbody Counterweight  
Rating Over End of Blocked Crawler  
Extended Position Crawlers  
**NO TRAVEL - LIMITED SWING**

Meets  
**ASME B30.5**  
Requirements



## 12000-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	67,700
36.0	71.6	101.8	63,500
38.0	70.4	101.1	60,100
40.0	69.2	100.4	57,300
45.0	66.1	98.3	50,900
50.0	62.9	95.8	45,400
55.0	59.6	93.0	41,200
60.0	56.2	89.8	37,500
65.0	52.6	86.2	34,000
70.0	48.9	82.0	31,100
75.0	45.0	77.2	28,600
80.0	40.7	71.8	26,500
85.0	36.0	65.3	24,700
90.0	30.8	57.6	22,900
<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	67,500
36.0	73.3	112.3	63,400
38.0	72.3	111.7	60,000
40.0	71.2	111.0	57,200
45.0	68.4	109.1	50,800
50.0	65.5	107.0	45,200
55.0	62.6	104.5	40,900
60.0	59.6	101.7	37,000

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<b>110 ft Boom</b>			
65.0	56.5	98.5	33,500
70.0	53.3	94.9	30,500
75.0	50.0	90.9	28,000
80.0	46.5	86.4	26,000
85.0	42.7	81.2	24,000
90.0	38.7	75.3	22,400
95.0	34.3	68.4	20,900
<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	67,300
36.0	74.8	122.8	63,200
38.0	73.8	122.2	59,800
40.0	72.8	121.6	57,000
45.0	70.3	119.9	50,700
50.0	67.7	117.9	45,000
55.0	65.1	115.7	40,800
60.0	62.4	113.1	37,000
65.0	59.7	110.3	33,200
70.0	56.8	107.2	30,000
75.0	53.9	103.7	27,500
80.0	50.9	99.8	25,500
85.0	47.7	95.4	23,700
90.0	44.4	90.5	22,000
95.0	40.8	85.0	20,500
100.0	37.0	78.7	19,300
105.0	32.8	71.4	18,100
<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	67,200
36.0	76.0	133.1	63,100
38.0	75.1	132.6	59,700
40.0	74.1	132.0	56,800

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<b>130 ft Boom</b>			
45.0	71.8	130.5	50,500
50.0	69.5	128.7	44,900
55.0	67.1	126.6	40,500
60.0	64.7	124.4	36,500
65.0	62.2	121.8	33,000
70.0	59.7	119.0	29,900
75.0	57.1	115.9	27,200
80.0	54.4	112.4	25,200
85.0	51.6	108.6	23,300
90.0	48.8	104.4	21,600
95.0	45.7	99.7	20,200
100.0	42.5	94.5	19,000
105.0	39.1	88.6	17,800
110.0	35.5	81.9	16,700
115.0	31.4	74.2	15,700
<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	67,100
36.0	77.0	143.4	63,000
38.0	76.1	142.9	59,600
40.0	75.3	142.4	56,600
45.0	73.2	141.0	50,000
50.0	71.0	139.3	44,700
55.0	68.8	137.4	40,000
60.0	66.6	135.4	35,900
65.0	64.4	133.0	32,000
70.0	62.1	130.5	28,900
75.0	59.7	127.7	26,300
80.0	57.3	124.5	24,000
85.0	54.8	121.1	22,000
90.0	52.3	117.4	20,500
95.0	49.6	113.3	18,900
100.0	46.9	108.8	17,500
105.0	44.0	103.8	16,500
110.0	40.9	98.2	15,500
115.0	37.7	92.0	14,500
120.0	34.1	85.0	13,700
125.0	30.3	77.0	12,900



# Liftcrane Boom Capacities

76,300 lb Crane Counterweight  
14,300 lb Carbody Counterweight  
Rating Over End of Blocked Crawler  
Extended Position Crawlers  
**NO TRAVEL - LIMITED SWING**

Meets  
**ASME B30.5**  
Requirements



## 12000-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	67,000
36.0	77.9	153.7	62,900
38.0	77.1	153.2	59,500
40.0	76.3	152.7	56,500
45.0	74.3	151.4	49,500
50.0	72.3	149.9	44,200
55.0	70.3	148.1	39,100
60.0	68.3	146.2	35,200
65.0	66.2	144.1	31,700
70.0	64.1	141.7	28,700
75.0	61.9	139.1	25,900
80.0	59.7	136.3	23,500
85.0	57.5	133.2	21,300
90.0	55.2	129.8	20,000
95.0	52.8	126.2	18,700
100.0	50.4	122.2	17,500
105.0	47.8	117.8	16,500
110.0	45.2	113.0	15,500
115.0	42.4	107.7	14,500
120.0	39.5	101.8	13,700
125.0	36.3	95.3	12,900
130.0	32.9	88.0	12,300
<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	62,700
38.0	77.9	163.5	59,000
40.0	77.2	163.0	55,700
45.0	75.3	161.8	49,000
50.0	73.5	160.3	43,500
55.0	71.6	158.7	38,700
60.0	69.7	157.0	35,000
65.0	67.8	155.0	31,500
70.0	65.8	152.8	28,500
75.0	63.8	150.4	25,700
80.0	61.8	147.8	23,000

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<b>160 ft Boom</b>			
85.0	59.7	145.0	21,100
90.0	57.6	141.9	19,300
95.0	55.5	138.6	17,800
100.0	53.3	134.9	16,300
105.0	51.0	131.0	15,100
110.0	48.6	126.7	14,200
115.0	46.2	122.1	13,500
120.0	43.7	117.0	12,900
125.0	41.0	111.5	12,300
130.0	38.1	105.3	11,800
135.0	35.1	98.5	11,300
140.0	31.8	90.9	10,800
<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	53,200
45.0	76.2	172.1	47,000
50.0	74.5	170.8	41,600
55.0	72.7	169.3	37,200
60.0	70.9	167.6	33,500
65.0	69.1	165.7	30,200
70.0	67.3	163.7	27,500
75.0	65.5	161.5	25,000
80.0	63.6	159.1	22,800
85.0	61.7	156.5	20,700
90.0	59.8	153.6	18,900
95.0	57.8	150.6	17,300
100.0	55.8	147.3	16,000
105.0	53.7	143.7	14,900
110.0	51.6	139.8	14,000
115.0	49.4	135.6	13,200
120.0	47.1	131.1	12,500
125.0	44.7	126.2	11,900
130.0	42.3	120.9	11,400
135.0	39.7	115.1	10,800
140.0	37.0	108.7	10,300
145.0	34.0	101.6	9,800
150.0	30.9	93.6	9,300

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	44,500
50.0	75.4	181.1	39,200
55.0	73.7	179.7	35,200
60.0	72.0	178.2	31,600
65.0	70.3	176.4	28,400
70.0	68.6	174.5	25,900
75.0	66.9	172.5	23,400
80.0	65.2	170.2	21,400
85.0	63.4	167.8	19,700
90.0	61.6	165.1	17,900
95.0	59.8	162.3	16,500
100.0	57.9	159.2	15,400
105.0	56.0	155.9	14,500
110.0	54.1	152.4	13,700
115.0	52.1	148.6	13,000
120.0	50.0	144.5	12,300
125.0	47.9	140.1	11,600
130.0	45.7	135.4	10,900
135.0	43.4	130.3	10,400
140.0	41.0	124.7	9,900
145.0	38.5	118.6	9,400
150.0	35.9	112.0	8,900
155.0	33.0	104.6	8,400
160.0	30.0	96.3	7,900

# Manitowoc Cranes

Manitowoc, Wisconsin 54220 U.S.A.



## Liftcrane Boom Capacities

76,300 lb Crane Counterweight  
 14,300 lb Carbody Counterweight  
 Rating Over End of Blocked Crawler  
 Extended Position Crawlers  
 NO TRAVEL - LIMITED SWING

Meets  
**ASME B30.5**  
 Requirements

# 12000-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	44,200
50.0	76.1	191.5	39,000
55.0	74.6	190.1	35,000
60.0	73.0	188.7	31,200
65.0	71.4	187.0	28,200
70.0	69.8	185.2	25,500
75.0	68.2	183.3	23,200
80.0	66.6	181.2	21,200
85.0	64.9	178.9	19,200
90.0	63.2	176.4	17,500
95.0	61.5	173.8	16,300
100.0	59.8	171.0	15,200
105.0	58.0	167.9	14,300
110.0	56.2	164.6	13,400
115.0	54.4	161.1	12,700
120.0	52.5	157.4	12,000
125.0	50.6	153.4	11,400
130.0	48.6	149.1	10,800
135.0	46.5	144.5	10,200
140.0	44.4	139.5	9,600
145.0	42.2	134.1	9,000
150.0	39.9	128.3	8,500
155.0	37.4	122.0	8,100
160.0	34.9	115.1	7,500
165.0	32.1	107.5	6,800

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	30,000
65.0	72.4	197.6	27,000
70.0	70.9	195.9	24,600
75.0	69.3	194.0	22,500
80.0	67.8	192.1	20,500
85.0	66.2	189.9	18,800
90.0	64.7	187.6	17,500
95.0	63.1	185.1	16,300
100.0	61.4	182.5	15,200
105.0	59.8	179.6	14,300
110.0	58.1	176.6	13,400
115.0	56.4	173.3	12,700
120.0	54.7	169.9	12,000
125.0	52.9	166.2	11,400
130.0	51.1	162.2	10,700
135.0	49.2	158.0	10,200
140.0	47.3	153.5	9,600
145.0	45.3	148.7	9,000
150.0	43.2	143.5	8,500
155.0	41.1	137.9	7,900
160.0	38.8	131.9	7,300
165.0	36.5	125.3	6,800
170.0	34.0	118.2	6,400
175.0	31.3	110.3	6,000

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	23,400
75.0	70.4	204.7	21,700
80.0	68.9	202.8	20,100
85.0	67.4	200.8	18,600
90.0	66.0	198.6	17,300
95.0	64.4	196.3	16,000
100.0	62.9	193.8	14,900
105.0	61.4	191.1	14,000
110.0	59.8	188.3	13,100
115.0	58.2	185.2	12,200
120.0	56.6	182.0	11,500
125.0	54.9	178.6	10,900
130.0	53.2	174.9	10,300
135.0	51.5	171.0	9,700
140.0	49.7	166.9	9,100
145.0	47.9	162.5	8,600
150.0	46.1	157.8	8,100
155.0	44.1	152.8	7,500
160.0	42.1	147.4	7,000
165.0	40.0	141.6	6,400
170.0	37.8	135.3	6,000



# Liftcrane Boom Capacities

76,300 lb Crane Counterweight  
 14,300 lb Carbody Counterweight  
 Rating Over End of Blocked Crawler  
 Extended Position Crawlers  
**NO TRAVEL - LIMITED SWING**

Meets  
**ASME B30.5**  
 Requirements

**12000-1**

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	23,200
75.0	71.3	215.3	21,200
80.0	69.9	213.5	19,600
85.0	68.5	211.6	18,100
90.0	67.1	209.5	16,800
95.0	65.7	207.3	15,600
100.0	64.2	205.0	14,500
105.0	62.8	202.5	13,500
110.0	61.3	199.8	12,700
115.0	59.8	196.9	12,000
120.0	58.3	193.9	11,200
125.0	56.7	190.7	10,500
130.0	55.2	187.3	9,800
135.0	53.6	183.7	9,200
140.0	51.9	179.8	8,700
145.0	50.2	175.8	8,200
150.0	48.5	171.4	7,600
155.0	46.8	166.8	7,100
160.0	44.9	162.0	6,600
165.0	43.0	156.7	6,000

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lb)
<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	20,400
80.0	70.8	224.2	18,900
85.0	69.5	222.3	17,500
90.0	68.2	220.4	16,200
95.0	66.8	218.3	15,000
100.0	65.4	216.0	14,100
105.0	64.1	213.7	13,200
110.0	62.7	211.1	12,300
115.0	61.3	208.4	11,600
120.0	59.8	205.6	10,900
125.0	58.4	202.6	10,200
130.0	56.9	199.4	9,500
135.0	55.4	196.0	8,900
140.0	53.9	192.4	8,300
145.0	52.3	188.6	7,800
150.0	50.7	184.6	7,100
155.0	49.1	180.4	6,600
160.0	47.4	175.9	6,100