



Liftcrane Boom Capacities

**75,000 LB. Crane Counterweight
Rating Over End of Blocked Crawler
Extended Position Crawlers
NO TRAVEL - LIMITED SWING**

**Meets
ANSI B30.5
Requirements**



11000 SERIES 2

LIFTING CAPACITIES:

- 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).
- 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.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
- Do not attempt to lift where no radius on load chart is listed as crane may tip or collapse.
- 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.
- 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.
- Least stable position is over the side.
- Boom point elevation is vertical distance from ground level to centerline of boom point shaft.
- In all cases, auxiliary sheave (upper boom point) capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 700 lbs.
- When lifting over boom point with auxiliary sheave (upper point), rated loads for the boom must be reduced as shown below.
- 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.
- Travel with load (pick and carry) is not permitted.
- Jib installation is prohibited.

	Upper Boom Point
Deduct (lbs)	700

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:

- 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.
 - Swing is limited to the angle shown on 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) Auxiliary sheave (upper point) cannot be attached on 230 ft. boom.	

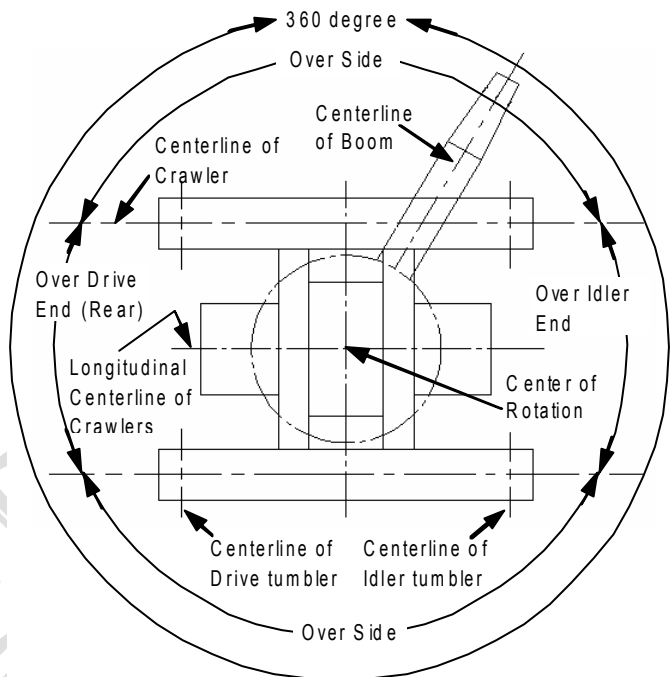
- Front and rear load hoist drum wire rope: 26 mm, 6 x 29, FI, IWRC C/O, Minimum breaking strength: 120,000 lbs. Front Drum: 853 feet, Rear Drum: 754 feet.
- Boom hoist wire rope: 508 feet, 20 mm, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 73,000 lbs.
- Machine equipped with 22 ft. 2 in. crawlers, 36 in. treads, 10 parts of boom hoist reeving, 75,000 lbs. crane counterweight.

Hoist Reeving for Main Boom Loads

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

No. of Parts of Line	5	6	7	8
Maximum Loads (lbs)	125,000	150,000	175,000	200,000

Fig. 1 Working Areas



- These lines determine the limiting position of any load for operation within working areas indicated.
- Rated loads with Over End Blocked Crawlers only apply to the area of Over Idler End and Over Drive End, shown in Fig. 1.
- 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.



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
60 Ft. Boom			
13.5	81.4	66.4	200,000 *
14.0	80.9	66.3	200,000 *
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
70 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
80 Ft. Boom			
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
90 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
100 Ft. Boom			
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
110 Ft. Boom			
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
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



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11000 SERIES 2

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
120 Ft. Boom			
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
130 Ft. Boom			
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
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
130 Ft. Boom			
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
140 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
150 Ft. Boom			
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



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
160 Ft. Boom			
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
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
170 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
170 Ft. Boom			
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
180 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
190 Ft. Boom			
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



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**ANSI B30.5
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11000 SERIES 2

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
200 Ft. Boom			
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
210 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
210 Ft. Boom			
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
175.0	35.5	128.4	5,500
180.0	33.1	121.1	5,100
185.0	30.5	113.0	4,600
220 Ft. Boom			
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

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Rated Load (lbs)
220 Ft. Boom			
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
170.0	41.1	151.2	5,500
175.0	39.1	145.3	5,100
180.0	36.9	138.6	4,600
185.0	34.7	131.7	4,300
190.0	32.3	124.0	4,000
230 Ft. Boom			
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
165.0	45.7	171.2	5,600
170.0	43.9	166.1	5,100
175.0	42.1	160.7	4,600
180.0	40.1	154.7	4,200
185.0	38.2	148.7	3,800
190.0	36.1	142.0	3,500