

Liftcrane Boom Capacities

63,500 LB. Crane Counterweight
14,700 LB. Carbody Counterweight (S/N 10001001 thru 10001037)
16,100 LB. Carbody Counterweight (S/N 10001038 and greater)
Extended Position Crawlers
360 Degree Rating

Meets
ANSI B30.5
Requirements

10000 SERIES 3

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 derate 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. Auxiliary sheave (upper boom point) capacity for liftcrane service with single part line is 24,000 lbs. In all cases, auxiliary sheave (upper boom point) capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 420 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.

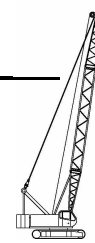
Jib length	Aux.	30 ft.	40 ft.	50 ft.	60 ft.
Deduct (lbs)	420	2,400	3,200	4,200	5,200
11. Lifting capacities listed apply only to the machine as originally manufactured and designed. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
12. Machine 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.



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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.

- 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.

Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over End of Crawlers	
Boom Length	Jib Length	Boom Length	Jib Length
200 ft. (a)	—	200 ft. (a)	—
190 ft.	60 ft.	190 ft.	—
180 ft.	60 ft.	170 ft.	60 ft.

Load block, hook and weight ball on ground at start.
 (a) Auxiliary sheave (upper point) cannot be attached on 200 ft. boom.
 Jibs can only be mounted on 80 ft. to 190 ft. booms.

4. Boom hoist wire rope: 492 feet, 5/8 inch, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 47,200 lbs.

5. **For Serial Numbers 10001001 thru 10001037:** Machine equipped with 20 ft. 8 in. crawlers, 36 in. treads, 12 parts of boom hoist reeving, 63,500 lbs. crane counterweight and two 7,350 lbs. carbody counterweights.

For all other Serial Numbers: Machine equipped with 20 ft. 8 in. crawlers, 36 in. treads, 12 parts of boom hoist reeving, 63,500 lbs. crane counterweight and two 8,050 lbs. carbody counterweights.

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

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

3. **For Serial Numbers 10001001 thru 10001037:** Front and rear load hoist drum wire rope: 1.00 inch, 6 x 25, FI, IWRC, C/O, Minimum breaking strength: 103,400 lbs. Front Drum: 771 feet, Rear Drum: 525 feet.

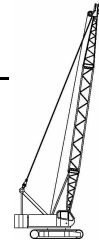
For all other Serial Numbers: Front and rear load hoist drum wire rope: 26 mm, 6 x 29, FI, IWRC, C/O, Minimum breaking strength: 120,000 lbs. Front Drum: 771 feet, Rear Drum: 525 feet.



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
40 Ft. Boom			
10	81.9	45.3	200,000 *
11	80.5	45.1	200,000 *
12	79.0	44.9	185,400 *
13	77.5	44.7	172,170 *
14	76.1	44.4	160,270 *
15	74.6	44.2	150,350 *
16	73.1	43.8	141,090 *
17	71.5	43.5	133,370 *
18	70.0	43.1	126,100 *
19	68.5	42.7	119,040 *
20	66.9	42.3	111,110 *
22	63.7	41.3	97,440 *
24	60.5	40.2	86,420 *
26	57.1	39.0	76,940 *
28	53.5	37.5	69,000 *
30	49.8	35.9	62,160 *
32	45.9	34.0	55,990 *
34	41.7	31.8	50,260 *
36	37.0	29.3	45,190 *
38	31.8	26.2	40,120 *
40	25.7	22.4	35,270 *
50 Ft. Boom			
12	81.2	55.1	185,180 *
13	80.1	54.9	171,950 *
14	78.9	54.7	160,050 *
15	77.7	54.5	150,130 *
16	76.5	54.3	140,870 *
17	75.4	54.0	133,150 *
18	74.2	53.7	125,880 *
19	73.0	53.4	119,040 *
20	71.7	53.1	111,330 *
22	69.3	52.3	98,760 *
24	66.8	51.5	87,520
26	64.3	50.5	77,820
28	61.7	49.5	70,100
30	59.0	48.3	63,710
32	56.3	47.0	58,420
34	53.5	45.5	53,790
36	50.5	43.9	50,040
38	47.4	42.1	46,510
40	44.2	40.1	43,430
45	35.0	33.9	35,270 *
50	22.8	24.5	27,110 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
60 Ft. Boom			
13	81.7	65.1	171,730 *
14	80.8	64.9	159,830 *
15	79.8	64.7	149,910 *
16	78.8	64.5	140,650 *
17	77.8	64.3	132,930 *
18	76.9	64.1	124,330 *
19	75.9	63.8	116,180 *
20	74.9	63.5	109,120 *
22	72.9	62.9	97,000 *
24	70.9	62.2	87,300 *
26	68.8	61.5	77,600
28	66.8	60.6	69,880
30	64.6	59.7	63,490
32	62.5	58.7	58,200
34	60.3	57.5	53,570
36	58.1	56.3	49,600
38	55.8	55.0	46,070
40	53.4	53.5	43,210
45	47.1	49.3	37,030
50	40.1	43.9	32,400
55	31.8	36.8	27,330 *
60	20.7	26.3	21,600 *
70 Ft. Boom			
15	81.3	74.9	149,690 *
16	80.4	74.7	140,430 *
17	79.6	74.5	131,830 *
18	78.8	74.3	122,570 *
19	77.9	74.1	114,630 *
20	77.1	73.9	107,580 *
22	75.4	73.4	95,900 *
24	73.7	72.8	86,420 *
26	72.0	72.1	77,600
28	70.2	71.4	69,880
30	68.5	70.6	63,490
32	66.7	69.8	57,980
34	64.9	68.9	53,350
36	63.1	67.9	49,600
38	61.2	66.8	46,070
40	59.3	65.6	42,980
45	54.4	62.3	37,030
50	49.1	58.2	32,180
55	43.4	53.3	28,650
60	37.0	47.3	25,570
65	29.4	39.4	22,040 *

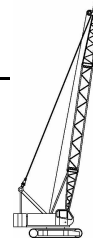
Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
80 Ft. Boom			
16	81.6	84.8	138,660 *
17	80.9	84.7	128,300 *
18	80.2	84.5	119,260 *
19	79.5	84.3	111,550 *
20	78.7	84.1	104,710 *
22	77.3	83.7	93,250 *
24	75.8	83.2	84,210 *
26	74.3	82.6	76,720 *
28	72.8	82.0	69,440
30	71.3	81.3	63,050
32	69.8	80.6	57,760
34	68.2	79.8	53,130
36	66.7	79.0	49,160
38	65.1	78.0	45,850
40	63.5	77.1	42,760
45	59.4	74.3	36,590
50	55.1	71.0	31,960
55	50.6	67.1	28,210
60	45.7	62.6	25,130
65	40.4	57.1	22,700
70	34.5	50.4	20,720
75	27.4	41.9	17,850 *



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10000 SERIES 3

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
90 Ft. Boom			
17	81.9	94.8	125,660 *
18	81.3	94.7	117,720 *
19	80.6	94.5	109,780 *
20	80.0	94.3	103,170 *
22	78.7	93.9	91,710 *
24	77.4	93.5	82,670 *
26	76.1	93.0	75,390 *
28	74.8	92.4	69,220 *
30	73.4	91.9	63,050 *
32	72.1	91.2	57,540 *
34	70.8	90.5	52,910 *
36	69.4	89.8	49,160 *
38	68.0	89.0	45,630 *
40	66.6	88.1	42,540 *
45	63.1	85.7	36,370 *
50	59.5	82.9	31,740 *
55	55.7	79.7	27,990 *
60	51.7	76.0	25,130 *
65	47.5	71.6	22,480 *
70	43.0	66.6	20,500 *
75	38.0	60.6	18,730 *
80	32.4	53.4	17,190 *
85	25.8	44.2	14,770 *
100 Ft. Boom			
19	81.6	104.6	107,360 *
20	81.0	104.5	100,750 *
22	79.8	104.1	89,500 *
24	78.7	103.7	80,680 *
26	77.5	103.3	73,410 *
28	76.3	102.8	67,460 *
30	75.1	102.3	62,390 *
32	73.9	101.7	57,310 *
34	72.7	101.1	52,680 *
36	71.5	100.4	48,720 *
38	70.3	99.7	45,410 *
40	69.1	99.0	42,320 *
45	66.0	96.8	36,150 *
50	62.8	94.4	31,520 *
55	59.5	91.6	27,770 *
60	56.1	88.4	24,690 *
65	52.6	84.7	22,260 *
70	48.8	80.6	20,060 *
75	44.9	75.8	18,290 *
80	40.6	70.3	16,750 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
100 Ft. Boom			
85	36.0	63.9	15,430 *
90	30.7	56.2	14,320 *
95	24.4	46.4	12,340 *
110 Ft. Boom			
20	81.8	114.6	100,300 *
22	80.8	114.3	89,060 *
24	79.7	113.9	80,020 *
26	78.7	113.5	72,750 *
28	77.6	113.1	66,790 *
30	76.5	112.6	61,720 *
32	75.4	112.1	57,310 *
34	74.4	111.5	52,680 *
36	73.3	110.9	48,720 *
38	72.2	110.3	45,410 *
40	71.1	109.6	42,320 *
45	68.3	107.7	36,150 *
50	65.5	105.5	31,520 *
55	62.6	103.1	27,770 *
60	59.6	100.3	24,690 *
65	56.5	97.1	22,260 *
70	53.3	93.5	20,060 *
75	49.9	89.5	18,290 *
80	46.4	85.0	16,750 *
85	42.7	79.8	15,430 *
90	38.6	73.9	14,320 *
95	34.2	67.0	13,220 *
100	29.2	58.8	12,120 *
105	23.2	48.5	10,360 *
120 Ft. Boom			
22	81.6	124.4	87,080 *
24	80.6	124.1	78,480 *
26	79.6	123.7	71,200 *
28	78.6	123.3	65,250 *
30	77.7	122.9	60,180 *
32	76.7	122.4	55,990 *
34	75.7	121.9	52,240 *
36	74.7	121.4	48,500 *
38	73.7	120.8	44,970 *
40	72.7	120.2	42,100 *
45	70.2	118.4	35,930 *
50	67.6	116.5	31,080 *
55	65.0	114.2	27,330 *
60	62.3	111.7	24,470 *
65	59.6	108.9	21,820 *

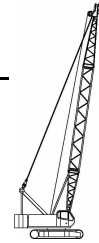
Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
120 Ft. Boom			
70	56.8	105.8	19,840 *
75	53.9	102.3	18,070 *
80	50.8	98.4	16,530 *
85	47.7	94.0	15,210 *
90	44.3	89.1	13,880 *
95	40.8	83.6	13,000 *
100	36.9	77.3	12,120 *
105	32.7	70.0	11,240 *
110	27.9	61.3	10,140 *
115	22.2	50.4	8,590 *
130 Ft. Boom			
24	81.3	134.2	71,860 *
26	80.4	133.9	70,980 *
28	79.5	133.5	65,030 *
30	78.6	133.1	59,960 *
32	77.7	132.7	55,550 *
34	76.8	132.2	51,800 *
36	75.9	131.7	48,500 *
38	75.0	131.2	44,970 *
40	74.1	130.6	41,880 *
45	71.8	129.0	35,710 *
50	69.4	127.3	31,080 *
55	67.1	125.2	27,330 *
60	64.6	122.9	24,250 *
65	62.2	120.4	21,820 *
70	59.6	117.6	19,620 *
75	57.0	114.5	17,850 *
80	54.4	111.0	16,310 *
85	51.6	107.2	14,990 *
90	48.7	103.0	13,880 *
95	45.7	98.3	12,780 *
100	42.5	93.0	11,900 *
105	39.1	87.2	11,020 *
110	35.4	80.5	10,360 *
115	31.4	72.8	9,470 *
120	26.8	63.7	8,370 *
125	21.3	52.3	7,050 *



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
140 Ft. Boom			
24	81.9	144.3	61,720 *
26	81.1	144.0	60,840 *
28	80.3	143.7	59,960 *
30	79.4	143.3	58,640 *
32	78.6	142.9	54,450 *
34	77.8	142.5	50,700 *
36	76.9	142.0	47,390 *
38	76.1	141.5	44,530 *
40	75.2	141.0	41,660
45	73.1	139.6	35,490
50	71.0	137.9	30,860
55	68.8	136.0	27,110
60	66.6	134.0	24,030
65	64.3	131.6	21,380
70	62.0	129.1	19,400
75	59.7	126.2	17,630
80	57.2	123.1	16,090
85	54.8	119.7	14,770
90	52.2	116.0	13,440
95	49.6	111.9	12,560
100	46.8	107.3	11,460
105	43.9	102.3	10,800
110	40.9	96.8	9,920
115	37.6	90.6	9,250
120	34.1	83.6	8,590
125	30.2	75.6	7,710 *
130	25.8	66.0	6,830 *
135	20.5	54.1	5,730 *
150 Ft. Boom			
26	81.7	154.1	52,680 *
28	80.9	153.8	51,800 *
30	80.2	153.5	51,140 *
32	79.4	153.1	50,260 *
34	78.6	152.7	49,600 *
36	77.8	152.3	46,510 *
38	77.0	151.8	43,650 *
40	76.3	151.3	41,220 *
45	74.3	150.0	35,270
50	72.3	148.5	30,640
55	70.3	146.7	26,890
60	68.2	144.8	23,800
65	66.1	142.7	21,380
70	64.0	140.3	19,180
75	61.9	137.7	17,410

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
150 Ft. Boom			
80	59.7	134.9	15,870
85	57.4	131.8	14,550
90	55.1	128.4	13,440
95	52.8	124.8	12,340
100	50.3	120.7	11,460
105	47.8	116.4	10,580
110	45.1	111.5	9,700
115	42.3	106.3	9,030
120	39.4	100.4	8,590
125	36.3	93.9	7,930
130	32.9	86.6	7,490 *
135	29.1	78.2	6,610 *
140	24.9	68.2	5,730 *
160 Ft. Boom			
28	81.5	163.9	44,090 *
30	80.8	163.6	43,430 *
32	80.1	163.3	42,760 *
34	79.3	162.9	42,100 *
36	78.6	162.5	41,440 *
38	77.9	162.1	40,780 *
40	77.1	161.6	40,340 *
45	75.3	160.4	35,270
50	73.4	158.9	30,640
55	71.5	157.3	26,890
60	69.6	155.5	23,800
65	67.7	153.6	21,160
70	65.8	151.4	19,180
75	63.8	149.0	17,410
80	61.8	146.4	15,870
85	59.7	143.6	14,320
90	57.6	140.5	13,220
95	55.4	137.1	12,120
100	53.2	133.5	11,240
105	51.0	129.6	10,360
110	48.6	125.3	9,700
115	46.2	120.7	9,030
120	43.6	115.6	8,370
125	40.9	110.0	7,710
130	38.1	103.9	7,270
135	35.1	97.1	6,830 *
140	31.8	89.5	5,950 *
145	28.2	80.7	5,290 *
150	24.1	70.4	4,400 *

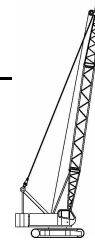
Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
170 Ft. Boom			
28	82.0	174.0	38,800 *
30	81.3	173.7	38,130 *
32	80.6	173.4	37,470 *
34	80.0	173.1	37,030 *
36	79.3	172.7	36,370 *
38	78.6	172.3	35,710 *
40	77.9	171.9	35,270 *
45	76.2	170.7	33,950 *
50	74.4	169.4	30,420
55	72.7	167.9	26,670
60	70.9	166.2	23,580
65	69.1	164.3	20,940
70	67.3	162.3	18,950
75	65.4	160.1	17,190
80	63.6	157.7	15,650
85	61.7	155.1	14,100
90	59.7	152.2	13,000
95	57.7	149.2	11,900
100	55.7	145.8	11,020
105	53.6	142.3	10,140
110	51.5	138.4	9,470
115	49.3	134.2	8,810
120	47.1	129.7	8,150
125	44.7	124.8	7,490
130	42.2	119.5	7,050
135	39.6	113.7	6,610
140	36.9	107.3	6,170 *
145	34.0	100.2	5,510 *
150	30.8	92.2	4,850 *
155	27.3	83.1	4,180 *
160	23.3	72.5	3,520 *



Liftcrane Boom Capacities

63,500 LB. Crane Counterweight
14,700 LB. Carbody Counterweight (S/N 10001001 thru 10001037)
16,100 LB. Carbody Counterweight (S/N 10001038 and greater)
Extended Position Crawlers
360 Degree Rating

Meets
ANSI B30.5
Requirements



10000 SERIES 3

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
180 Ft. Boom			
30	81.8	183.9	33,730 *
32	81.2	183.6	33,060 *
34	80.5	183.2	32,620 *
36	79.9	182.9	31,960 *
38	79.2	182.5	31,520 *
40	78.6	182.1	31,080 *
45	77.0	181.0	29,760 *
50	75.3	179.7	28,650 *
55	73.7	178.3	26,230
60	72.0	176.7	23,360
65	70.3	175.0	20,720
70	68.6	173.1	18,730
75	66.9	171.0	16,750
80	65.1	168.8	15,210
85	63.4	166.4	13,880
90	61.6	163.7	12,780
95	59.7	160.9	11,680
100	57.9	157.8	10,800
105	56.0	154.5	9,920
110	54.0	151.0	9,030
115	52.0	147.2	8,370
120	50.0	143.1	7,710
125	47.8	138.7	7,270
130	45.6	134.0	6,830
135	43.4	128.8	6,170
140	41.0	123.3	5,730
145	38.5	117.2	5,290 *
150	35.8	110.5	4,850 *
155	33.0	103.2	4,180 *
160	29.9	94.9	3,520 *
165	26.5	85.5	3,080 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
190 Ft. Boom			
32	81.6	193.7	29,540 *
34	81.0	193.4	28,880 *
36	80.4	193.0	28,430 *
38	79.8	192.7	27,990 *
40	79.2	192.3	27,550 *
45	77.6	191.2	26,450 *
50	76.1	190.1	25,350 *
55	74.5	188.7	24,250 *
60	73.0	187.2	22,700 *
65	71.4	185.6	20,500
70	69.8	183.8	18,510
75	68.2	181.9	16,750
80	66.5	179.8	15,210
85	64.9	177.5	13,660
90	63.2	175.0	12,560
95	61.5	172.4	11,460
100	59.7	169.5	10,580
105	58.0	166.5	9,700
110	56.2	163.2	9,030
115	54.3	159.7	8,370
120	52.5	156.0	7,710
125	50.5	152.0	7,050
130	48.5	147.7	6,610
135	46.5	143.1	6,170
140	44.4	138.1	5,730
145	42.1	132.7	5,290 *
150	39.8	126.9	4,850 *
155	37.4	120.6	4,180 *
160	34.8	113.7	3,740 *
165	32.1	106.1	3,300 *

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	360° Rated Load (lbs)
200 Ft. Boom			
34	81.5	203.5	25,790 *
36	80.9	203.2	25,350 *
38	80.3	202.8	24,910 *
40	79.7	202.5	24,470 *
45	78.3	201.5	23,360 *
50	76.8	200.4	22,480 *
55	75.3	199.1	21,380 *
60	73.8	197.7	19,840 *
65	72.3	196.2	18,510 *
70	70.8	194.5	16,970 *
75	69.3	192.6	15,650 *
80	67.8	190.6	14,550 *
85	66.2	188.5	13,440
90	64.6	186.2	12,340
95	63.0	183.7	11,240
100	61.4	181.0	10,360
105	59.8	178.2	9,470
110	58.1	175.2	8,590
115	56.4	171.9	7,930
120	54.6	168.5	7,270
125	52.9	164.8	6,610 *
130	51.0	160.8	5,950 *
135	49.2	156.6	5,290 *
140	47.2	152.1	4,620 *
145	45.2	147.3	4,180 *
150	43.2	142.1	3,520 *
155	41.0	136.5	3,080 *