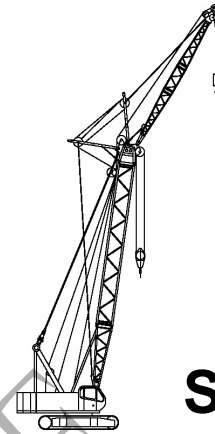




Liftcrane Boom Capacities With Luffing Jib Attached

**Luffing Jib Attached at 23 Degree Boom
to Luffing Jib Offset Angle
75,000 LB. Crane Counterweight
Extended Position Crawlers
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



**12000
SERIES 2**

LIFTING CAPACITIES:

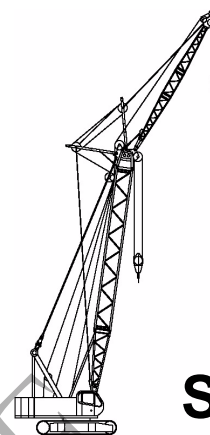
1. Rated loads included in the charts are the maximum allowable for freely suspended loads at the given boom lengths, boom angles, luffing jib lengths, luffing jib angles, and load radii. The rated loads have determined for the machine standing level on a firm supporting surface under ideal conditions. 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.
 3. The total load that can be lifted over the luffing jib is limited by the rated jib loads.
 4. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
 5. Do not attempt to lift where no radius on load chart is listed as crane may tip or collapse.
 6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
 7. Load radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. In all cases, operating radius shall govern capacity.
 8. Least stable position is over the side.
 9. Boom point elevation is vertical distance from ground level to centerline of boom point shaft.
 10. The total load that can be lifted over an auxiliary sheave is value 850 lbs. deducted from rated load for the jib without auxiliary sheave, but should not exceed 25,000 lbs. See lift crane capacities with luffing jib.
 11. When lifting over jib point with auxiliary sheave or pin connected boom point sheave attached, rated loads for the jib must be deducted as shown below. See lift crane capacities with luffing jib.
- | | Auxiliary sheave | Pin connected boom point sheave |
|------------------|------------------|---------------------------------|
| Deductions (lbs) | 850 | 480 |
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. 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.
- Hoist Reeving For Auxiliary Sheave (Upper Point) Loads**
- | | |
|---------------------|--------|
| No.of Parts of Line | 1 |
| Maximum Loads (lbs) | 25,000 |



Liftcrane Boom Capacities With Luffing Jib Attached

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to Luffing Jib Offset Angle
75,000 LB. Crane Counterweight
Extended Position Crawlers
360 Degree Rating**

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**12000
SERIES 2**

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.
- 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: 984 feet. Third drum wire rope: 26 mm, 6 x 31, WS IWRC O/O, Minimum breaking strength: 113,536 lbs, 476 feet.
- Boom hoist wire rope: 508 feet, 20 mm, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 73,700 lbs.
- Machine equipped with 22 ft. 2 in. crawlers, 36 in. treads, 10 parts of boom hoist reeving, 6 part luffing jib hoist reeving, 75,000 lbs. crane counterweight.

Minimum weight of hook block required for lowering

No. of Parts of Line	1	2	3	4
Weight (lbs)	900	1,200	1,500	1,800

Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over End of Crawlers	
Boom Length	Luffing Jib Length	Boom Length	Luffing Jib Length
60 ft	50 ft - 170 ft.	60 ft	50 ft - 170 ft
70 ft	50 ft - 170 ft	70 ft	50 ft - 170 ft
80 ft	50 ft - 170 ft	80 ft	50 ft - 170 ft
90 ft	50 ft - 170 ft	90 ft	50 ft - 170 ft
100 ft	50 ft - 170 ft	100 ft	50 ft - 170 ft
110 ft	50 ft - 170 ft	110 ft	50 ft - 170 ft
120 ft	50 ft - 160 ft	120 ft	50 ft - 160 ft
130 ft	50 ft - 160 ft	—	—
140 ft	50 ft - 160 ft	—	—
150 ft	50 ft - 100 ft	—	—

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

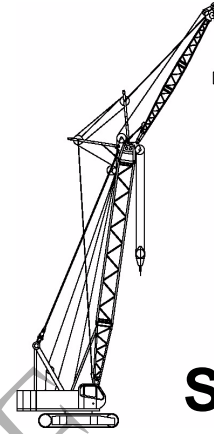
Refer to The Operators Manual for boom and luffing jib raising procedure.



Liftcrane Boom Capacities With Luffing Jib Attached

Luffing Jib Attached at 23 Degree Boom
to Luffing Jib Offset Angle
75,000 LB. Crane Counterweight
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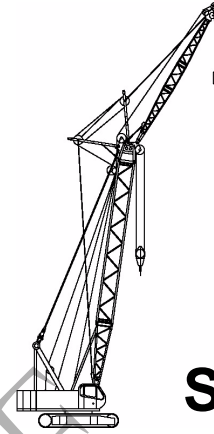
Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Jib Length (ft)												Load Radius (ft)
			60	70	80	90	100	110	120	130	140	150	160	170	
60 Ft. Boom															
18	79.6	65.3	118,300	113,700	108,200	104,000	98,100	93,400	92,100	86,400	79,500	74,500	67,200	60,400	18
19	78.7	65.0	118,300	113,700	108,200	104,000	98,100	93,400	92,100	86,400	79,500	74,500	67,200	60,400	19
20	77.6	64.7	117,900	113,500	108,200	104,000	98,100	93,400	92,100	86,400	79,500	74,500	67,200	60,400	20
22	75.6	64.1	97,600	93,400	88,600	85,000	79,500	75,600	74,500	69,400	63,400	59,000	52,600	46,700	22
24	73.6	63.4	82,200	78,400	73,600	70,100	65,000	61,200	60,100	55,500	49,800	45,600	39,400	33,900	24
26	71.6	62.7	70,300	66,500	61,900	58,600	53,700	50,200	49,100	44,700	39,200	35,200	29,300	24,000	26
28	69.5	61.8	60,800	57,300	52,900	49,800	44,900	41,600	40,500	36,100	31,000	27,100	21,600		28
30	67.4	60.9	52,900	49,600	45,100	42,100	37,600	34,300	33,200	29,100	24,000	20,500			30
32	65.2	59.9	46,500	43,200	39,000	36,100	31,700	28,400	27,500	23,500	18,500	14,900			32
34	63.0	58.7	41,000	37,600	33,700	30,800	26,400	23,300	22,400	18,500	13,800				34
36	60.8	57.5	36,100	33,000	29,100	26,400	22,200	19,100	18,200	14,300					36
38	58.5	56.2	32,100	29,100	25,300	22,400	18,500	15,600	14,500						38
40	56.1	54.7	28,400	25,300	21,800	18,900	14,900	12,100	11,200						40
45	49.8	50.4	21,300	18,500	15,200	12,500									45
50	42.7	45.0	15,800	13,200	9,900										50
55	34.4	37.8	11,900	9,400											55
70 Ft. Boom															
20	79.5	75.1	118,100	113,900	108,900	105,100	99,600	95,600	94,500	89,500	83,300	78,700	72,300	66,100	20
22	77.8	74.5	98,100	94,100	89,200	85,900	80,600	76,900	76,000	71,200	65,400	61,000	54,800	49,100	22
24	76.1	74.0	82,600	78,900	74,200	71,200	66,100	62,600	61,700	57,000	51,800	47,600	41,800	36,300	24
26	74.4	73.3	70,700	67,000	62,800	59,700	54,800	51,500	50,700	46,200	41,200	37,200	31,700	26,600	26
28	72.6	72.6	61,000	57,500	53,300	50,400	45,800	42,700	41,800	37,600	32,600	29,100	23,500	18,700	28
30	70.9	71.8	53,100	49,800	45,800	42,900	38,500	35,400	34,600	30,600	25,700	22,200	17,100		30
32	69.1	71.0	46,700	43,400	39,400	36,800	32,600	29,500	28,600	24,900	20,200	16,700			32
34	67.3	70.0	41,000	37,900	34,100	31,500	27,300	24,400	23,500	19,800	15,400				34
36	65.4	69.0	36,300	33,200	29,500	26,800	22,900	20,200	19,400	15,800					36
38	63.5	67.9	32,100	29,300	25,700	23,100	19,100	16,500	15,600	12,100					38
40	61.6	66.8	28,600	25,700	22,200	19,800	16,000	13,400	12,500						40
45	56.7	63.4	21,300	18,700	15,400	13,000	9,400								45
50	51.4	59.4	16,000	13,400	10,300										50
55	45.6	54.4	11,600	9,200											55
60	39.1	48.3	8,300												60
80 Ft. Boom															
22	79.3	84.8	97,800	94,100	89,500	86,100	81,300	77,600	76,700	72,000	66,500	62,300	56,400	50,900	22
24	77.9	84.3	82,800	79,100	74,700	71,600	67,000	63,400	62,600	58,200	53,100	49,100	43,400	38,300	24
26	76.4	83.8	70,900	67,400	63,200	60,100	55,700	52,400	51,500	47,300	42,500	38,800	33,200	28,400	26
28	74.9	83.2	61,200	57,900	53,700	51,100	46,700	43,600	42,700	38,800	33,900	30,400	25,300	20,700	28
30	73.4	82.5	53,300	50,000	46,200	43,400	39,200	36,300	35,700	31,700	27,100	23,800	18,700		30
32	71.8	81.8	46,700	43,600	39,600	37,200	33,000	30,200	29,500	25,700	21,300	18,000			32
34	70.3	81.0	41,000	38,100	34,300	31,900	27,900	25,100	24,400	20,900	16,500	13,400			34
36	68.7	80.1	36,300	33,500	29,700	27,300	23,500	20,700	20,200	16,700	12,500				36
38	67.1	79.2	32,100	29,300	25,700	23,300	19,800	17,100	16,500	13,000					38
40	65.5	78.2	28,600	26,000	22,400	20,000	16,500	13,800	13,200						40
45	61.4	75.4	21,300	18,700	15,400	13,200	9,900								45
50	57.1	72.1	15,800	13,400	10,300	8,100									50
55	52.6	68.2	11,400	9,000											55
60	47.7	63.6	8,100												60



Liftcrane Boom Capacities With Luffing Jib Attached

Luffing Jib Attached at 23 Degree Boom
to Luffing Jib Offset Angle
75,000 LB. Crane Counterweight
Extended Position Crawlers
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**12000
SERIES 2**

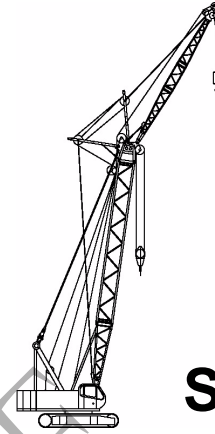
Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Jib Length (ft)												Load Radius (ft)
			60	70	80	90	100	110	120	130	140	150	160	170	
90 Ft. Boom															
24	79.2	94.6	82,800	79,300	74,900	72,000	67,400	64,100	63,400	59,000	54,000	50,200	44,700	39,600	24
26	77.9	94.2	70,900	67,600	63,400	60,600	56,200	53,100	52,400	48,200	43,400	39,900	34,600	29,700	26
28	76.6	93.6	61,200	58,200	54,200	51,500	47,100	44,000	43,600	39,600	35,000	31,500	26,600	22,000	28
30	75.3	93.0	53,300	50,200	46,500	43,800	39,900	37,000	36,300	32,600	28,200	24,900	20,000		30
32	73.9	92.4	46,700	43,600	40,100	37,600	33,700	30,800	30,200	26,600	22,200	19,100	14,500		32
34	72.6	91.7	41,400	38,500	34,800	32,600	28,600	26,000	25,300	22,000	17,800	14,700			34
36	71.2	90.9	36,500	33,700	30,200	27,900	24,200	21,600	21,100	17,800	13,600				36
38	69.9	90.1	32,100	29,500	26,200	23,800	20,200	17,600	17,100	13,800					38
40	68.5	89.3	28,800	26,000	22,700	20,500	16,900	14,500	14,100	10,800					40
45	64.9	86.9	21,300	18,900	15,600	13,600	10,300								45
50	61.3	84.1	15,800	13,400	10,500	8,500									50
55	57.5	80.8	11,400	9,200											55
60	53.5	77.1	8,100												60
100 Ft. Boom															
26	79.2	104.4	70,700	67,400	63,200	60,600	56,400	53,100	52,600	48,700	43,800	40,300	35,200	30,600	26
28	78.0	104.0	61,000	57,900	54,000	51,500	47,300	44,300	43,800	40,100	35,400	32,100	27,300	22,900	28
30	76.8	103.4	53,100	50,000	46,200	43,800	39,900	37,000	36,500	33,000	28,600	25,300	20,700	16,500	30
32	75.6	102.9	46,700	43,800	40,100	37,900	33,900	31,300	30,800	27,300	23,100	20,000	15,400		32
34	74.4	102.2	41,200	38,300	34,800	32,600	28,800	26,200	25,700	22,200	18,200	15,200			34
36	73.2	101.6	36,300	33,700	30,200	27,900	24,400	21,800	21,300	18,000	14,100				36
38	72.0	100.9	32,100	29,500	26,200	24,000	20,500	18,000	17,600	14,500					38
40	70.7	100.1	28,400	25,700	22,700	20,500	17,100	14,700	14,300	11,200					40
45	67.6	98.0	21,100	18,700	15,600	13,600	10,300								45
50	64.4	95.5	15,600	13,200	10,300	8,500									50
55	61.1	92.7	11,200	9,000											55
60	57.7	89.5	7,900												60
110 Ft. Boom															
28	79.1	114.2	61,200	58,200	54,200	51,800	47,800	44,900	44,500	40,700	36,300	33,000	28,200	23,800	28
30	78.0	113.8	53,300	50,200	46,700	44,300	40,300	37,600	37,200	33,700	29,300	26,200	21,800	17,600	30
32	77.0	113.2	46,900	44,000	40,300	38,100	34,300	31,700	31,300	27,900	23,800	20,900	16,500		32
34	75.9	112.7	41,200	38,500	35,000	32,800	29,300	26,600	26,200	22,900	18,900	16,000			34
36	74.8	112.1	36,300	33,500	30,200	28,200	24,600	22,200	21,800	18,500	14,700				36
38	73.7	111.4	32,100	29,500	26,200	24,200	20,900	18,500	18,000	14,900					38
40	72.6	110.8	28,600	26,000	22,900	20,900	17,600	15,200	14,900	11,900					40
45	69.8	108.9	21,300	18,900	15,800	14,100	10,800								45
50	66.9	106.7	15,600	13,200	10,300	8,500									50
55	64.0	104.2	11,200	9,000											55
60	61.0	101.4	7,700												60
120 Ft. Boom															
30	79.1	124.0	53,100	50,200	47,600	44,300	40,500	41,400	37,400	33,900	29,700	26,600	22,200		30
32	78.1	123.6	46,500	43,600	41,200	38,100	34,300	35,000	31,500	27,900	24,000	21,100	16,700		32
34	77.1	123.0	41,000	38,100	35,700	32,800	29,100	29,900	26,400	23,100	19,100	16,300			34
36	76.1	122.5	36,100	33,500	31,000	28,200	24,600	25,500	22,000	18,900	15,200	12,300			36
38	75.1	121.9	31,900	29,500	27,100	24,200	20,900	21,800	18,200	15,200	11,600				38
40	74.1	121.3	28,200	25,700	23,500	20,700	17,400	18,200	14,900	11,900					40
45	71.6	119.6	20,900	18,500	16,300	13,800	10,800	11,400							45
50	69.0	117.6	15,400	13,200	11,000	8,500									50
55	66.4	115.4	11,000	8,800	6,800										55
60	63.7	112.9	7,200												60



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SERIES 2**

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	Jib Length (ft)												Load Radius (ft)
			60	70	80	90	100	110	120	130	140	150	160	170	
130 Ft. Boom															
30	79.9	134.2	54,000	51,100	47,800	44,700	44,000	41,600	37,900	34,300	30,400	27,300	22,900		30
32	79.0	133.8	47,600	44,900	41,600	38,500	38,100	35,700	31,900	28,600	24,600	21,800	17,600		32
34	78.1	133.4	41,800	39,400	36,100	33,200	32,800	30,600	26,800	23,800	20,000	17,100			34
36	77.2	132.9	37,000	34,300	31,300	28,400	27,900	26,000	22,400	19,400	15,600	13,000			36
38	76.3	132.3	32,800	30,400	27,300	24,600	24,200	22,000	18,700	15,800	12,100				38
40	75.4	131.8	29,300	26,800	24,000	21,300	20,900	18,900	15,600	12,500					40
45	73.0	130.2	21,800	19,600	16,700	14,300	13,800	12,100	9,000						45
50	70.7	128.4	16,000	14,100	11,200	9,000	8,500								50
55	68.3	126.4	11,600	9,700	7,000										55
60	65.9	124.1	8,100												60
140 Ft. Boom															
32	79.8	144.0	47,100	46,900	43,800	41,200	37,900	35,400	31,900	28,600	24,600	21,800	17,600		32
34	79.0	143.6	41,600	41,400	38,300	35,700	32,600	30,400	26,800	23,800	19,800	17,100	13,200		34
36	78.1	143.2	36,800	36,500	33,700	31,300	27,900	26,000	22,400	19,600	15,800	13,200			36
38	77.3	142.7	32,600	32,400	29,700	27,300	24,200	22,000	18,700	15,800	12,300				38
40	76.4	142.1	28,800	28,800	26,000	23,500	20,700	18,700	15,400	12,500					40
45	74.3	140.7	21,600	21,300	18,700	16,500	13,600	11,900	8,800						45
50	72.1	139.0	15,600	15,600	13,200	11,000	8,300								50
55	70.0	137.2	11,400	11,400	9,000	7,000									55
60	67.7	135.1	7,700	7,700											60
150 Ft. Boom															
34	79.7	153.8	43,600	41,200	38,300	35,700	32,600								34
36	78.9	153.4	38,800	36,500	33,700	31,000	27,900								36
38	78.1	153.0	34,600	32,400	29,500	27,100	24,200								38
40	77.4	152.5	30,800	28,600	26,000	23,500	20,700								40
45	75.4	151.1	23,300	21,300	18,700	16,500	13,600								45
50	73.4	149.6	17,400	15,600	13,000	11,000	8,300								50
55	71.4	147.9	13,000	11,200	8,800	6,800									55
60	69.3	145.9	9,400	7,700											60