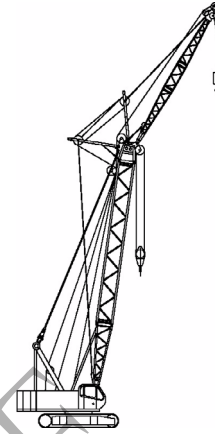




Liftcrane Boom Capacities With Luffing Jib Attached

**Luffing Jib Attached at 23 Degree Boom
to Luffing Jib Offset Angle
34 000 kg Crane Counterweight
Extended Position Crawlers
360 Degree Rating**



**12000E
SERIES 2**

LIFTING CAPACITIES:

- 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 been 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).
- Lifting capacities for various boom and jib lengths and operating radii use for freely suspended loads and calculation to comply with DIN 15018/3 and EN13000. Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The total load that can be lifted over the luffing jib is limited by the rated luffing jib loads.
- 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 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.
- 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.
- Least stable position is over the side.
- Boom point elevation is vertical distance from ground level to centerline of boom point shaft.
- Machine travel with load (pick and carry).
 - Travel with crane upperworks in-line with crawlers. Grade in any direction must not exceed 1 percent (0.5 degrees).
 - 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.
- 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.

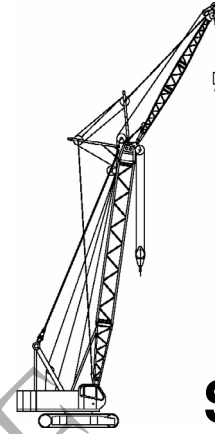
Main Boom Hoist Reeving

No.of Parts of Line	1	2	3	4	5
Weight (kg)	11 300	22 700	34 000	45 300	53 600



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SERIES 2**

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 and luffing jib 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. Front and rear load hoist drum wire rope: 26 mm, U3 x SeS(48), O/O, Minimum breaking strength: 61 200 kg. Front Drum: 260 m, Rear Drum: 300 m. Third drum wire rope: 26 mm, 6 x 31, WS IWRC O/O, Minimum breaking strength: 56 400 kg, 145 m.
3. Boom hoist wire rope: 155 m, 20 mm, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 33 400 kg.
4. Machine equipped with 6,756 m crawlers, 914 mm treads, 10 parts of boom hoist reeving, 6 part luffing jib hoist reeving, 34 000 kg crane counterweight .

Minimum weight of hook block required for lowering

No.of Parts of Line	1	2	3	4
Weight (kg)	408	544	680	816

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
18,2 m	18,3 m - 51,8 m		
21,2 m	18,3 m - 51,8 m		
24,3 m	18,3 m - 51,8 m	—	—
27,3 m	18,3 m - 51,8 m	—	—
30,4 m	18,3 m - 51,8 m	—	—
33,4 m	18,3 m - 51,8 m	—	—
36,5 m	18,3 m - 51,8 m	—	—
39,5 m	18,3 m - 51,8 m	—	—
42,6 m	18,3 m - 39,6 m	—	—
45,6 m	18,3 m - 27,4 m	—	—

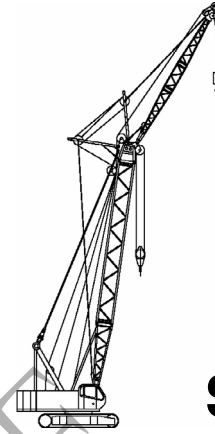
Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

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



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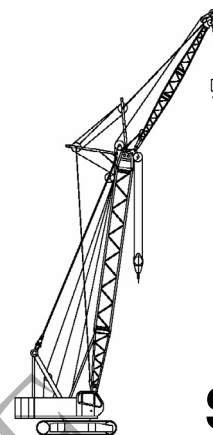
**12000E
SERIES 2**

Load Radius (m)	Boom Angle (deg)	Boom Point Elev. (m)	Jib Length (m)												Load Radius (m)
			18,3	21,3	24,4	27,4	30,5	33,5	36,6	39,6	42,7	45,7	48,8	51,8	
18,2 m Boom															
5,4	80,0	19,9	53 600 *	51 500 *	48 900 *	46 500 *	43 600 *	41 400 *	41 600 *	38 900 *	35 800 *	33 500 *	30 100 *	27 000 *	5,4
5,5	79,6	19,9	53 600 *	51 500 *	48 900 *	46 500 *	43 600 *	41 400 *	41 600 *	38 900 *	35 800 *	33 500 *	30 100 *	27 000 *	5,5
6	78,0	19,8	53 600 *	51 500 *	48 900 *	46 500 *	43 600 *	41 400 *	41 600 *	38 900 *	35 800 *	33 500 *	30 100 *	27 000 *	6
7	74,7	19,4	40 900	39 100	36 900	34 900	32 400	30 600	30 700	28 500	25 800	23 900	21 000	18 400	7
8	71,3	19,1	31 300	29 600	27 500	25 600	23 400	21 700	21 800	19 700	17 200	15 400	12 800	10 400	8
9	67,9	18,6	24 800	23 200	21 300	19 500	17 400	15 800	15 800	13 900	11 600	9 900			9
10	64,3	18,1	20 000	18 500	16 700	15 000	13 000	11 500	11 500	9 700	7 500				10
12	56,8	16,8	13 400	12 000	10 300	8 800	6 900	5 600	5 500						12
14	48,5	15,1	9 200	7 900	6 300	4 900									14
16	38,7	12,7	6 200	5 100	3 600										16
21,2 m Boom															
6	79,8	23,0	52 600	50 700	48 400	46 200	43 600	41 600	41 900	39 500	36 700	34 600	31 600	28 800	6
7	77,0	22,7	41 100	39 300	37 200	35 200	32 900	31 100	31 300	29 200	26 600	24 800	22 000	19 500	7
8	74,2	22,4	31 400	29 800	27 800	26 000	23 800	22 200	22 400	20 400	18 100	16 400	13 900	11 500	8
9	71,3	22,0	24 900	23 400	21 500	19 800	17 700	16 300	16 400	14 600	12 400	10 700	8 400		9
10	68,4	21,6	20 100	18 600	16 900	15 300	13 300	11 900	12 000	10 300	8 200	6 700			10
12	62,3	20,5	13 500	12 200	10 500	9 100	7 300	6 000	6 100						12
14	55,9	19,2	9 200	8 000	6 500	5 100									14
16	48,8	17,4	6 200	5 100	3 700										16
18	40,7	15,2	4 100	3 000											18
24,3 m Boom															
7	78,6	25,8	40 400	38 700	36 600	34 700	32 400	30 700	31 000	28 900	26 500	24 600	22 000	19 600	7
8	76,2	25,5	31 500	30 000	28 000	26 300	24 200	22 600	22 900	21 000	18 700	17 000	14 600	12 400	8
9	73,7	25,2	24 900	23 500	21 700	20 000	18 000	16 600	16 800	15 100	12 900	11 400	9 100		9
10	71,2	24,8	20 100	18 700	17 000	15 400	13 500	12 200	12 400	10 700	8 700	7 300			10
12	66,0	23,9	13 400	12 200	10 600	9 200	7 500	6 300	6 400						12
14	60,6	22,8	9 200	8 000	6 600	5 200									14
16	54,9	21,4	6 200	5 100	3 700										16
18	48,6	19,7	3 900												18
27,3 m Boom															
7	79,9	28,9	38 700	37 000	35 000	33 100	30 900	29 200	29 600	27 600	25 200	23 400	20 900	18 500	7
8	77,8	28,7	31 500	29 900	28 100	26 400	24 300	22 800	23 100	21 300	19 100	17 500	15 100	12 900	8
9	75,6	28,4	24 900	23 500	21 800	20 200	18 200	16 800	17 100	15 400	13 400	11 900	9 700	7 700	9
10	73,4	28,1	20 100	18 800	17 100	15 600	13 800	12 500	12 800	11 100	9 200	7 800			10
12	68,9	27,3	13 500	12 300	10 700	9 400	7 700	6 500	6 800	5 300					12
14	64,3	26,3	9 100	8 000	6 600	5 300									14
16	59,4	25,2	6 100	5 000	3 700										16
18	54,2	23,7	3 900												18
30,4 m Boom															
8	79,0	31,8	30 700	29 200	27 300	25 600	23 600	22 100	22 500	20 700	18 600	17 000	14 700	12 600	8
9	77,1	31,6	24 800	23 400	21 700	20 200	18 300	16 900	17 300	15 600	13 600	12 100	10 000	8 000	9
10	75,1	31,3	20 000	18 700	17 100	15 600	13 800	12 600	12 900	11 300	9 400	8 100			10
12	71,1	30,6	13 400	12 200	10 700	9 400	7 700	6 600	6 900						12
14	67,0	29,7	9 000	7 900	6 500	5 300									14
16	62,8	28,7	6 000	4 900	3 600										16
18	58,4	27,5	3 800												18
33,4 m Boom															
9	78,3	34,7	24 900	23 500	21 800	20 300	18 400	17 100	17 500	15 900	13 900	12 500	10 400		9
10	76,5	34,4	20 100	18 800	17 200	15 800	14 000	12 800	13 200	11 600	9 800	8 500	6 500		10
12	72,9	33,8	13 400	12 300	10 800	9 500	7 900	6 800	7 200	5 800					12
14	69,3	33,1	9 100	8 000	6 600	5 400									14
16	65,5	32,1	6 000	5 000	3 700										16
18	61,6	31,1	3 700												18



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**12000E
SERIES 2**

Load Radius (m)	Boom Angle (deg)	Boom Point Elev. (m)	Jib Length (m)												Load Radius (m)
			18,3	21,3	24,4	27,4	30,5	33,5	36,6	39,6	42,7	45,7	48,8	51,8	
36,5 m Boom															
9	79,3	37,8	23 800	22 500	20 800	19 300	17 500	18 400	16 600	15 000	13 100	11 700	9 700		9
10	77,7	37,6	19 900	18 700	17 100	15 700	13 900	14 800	13 200	11 700	9 900	8 600	6 600		10
12	74,4	37,0	13 300	12 100	10 700	9 400	7 800	8 700	7 200	5 800					12
14	71,1	36,3	8 900	7 800	6 500	5 300		4 600							14
16	67,7	35,5	5 800	4 800	3 600										16
18	64,2	34,5	3 600												18
39,5 m Boom															
10	79,5	43,9	19 500	18 200	16 700	16 400	15 600	14 500	12 900	11 400					10
12	76,7	43,4	13 400	12 300	10 900	10 100	9 900	9 000	7 500	6 200					12
14	73,9	42,8	9 100	8 000	6 700	6 000	5 800	4 900							14
16	71,1	42,1	5 900	4 900	3 700	1 900									16
18	68,2	41,3	3 700												18
42,6 m Boom															
10	78,6	40,7	18 800	19 100	17 700	16 500	15 000	14 000	12 300	10 900					10
12	75,6	40,2	13 200	13 500	12 300	11 200	9 800	8 900	7 400	6 100					12
14	72,6	39,6	8 900	9 100	8 000	7 000	5 700	4 900							14
16	69,5	38,8	5 800	6 100	5 000	4 000									16
18	66,3	38,0	3 500	3 800											18
45,6 m Boom															
12	77,6	46,5	14 400	13 400	12 200	11 100									12
14	75,0	46,0	10 000	9 100	7 900	6 900									14
16	72,4	45,3	6 900	6 000	4 900	4 000									16
18	69,7	44,6	4 500	3 700											18