Crawler crane

LR 1300.1 SX

Complies with ANSI/ASME B 30.5

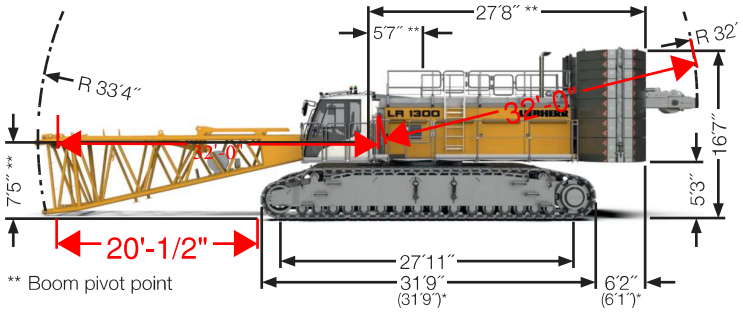
EN-US

LR 1006.02.07

LIEBHERR

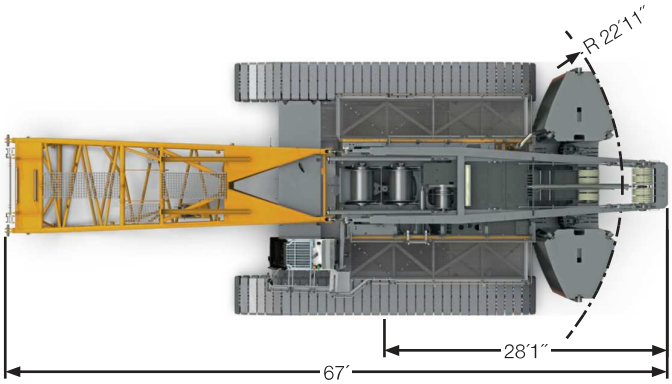
Dimensions

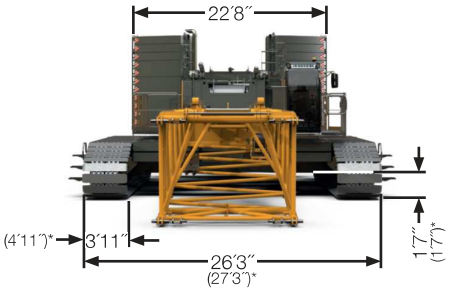
Standard



** Boom pivot point

* Option: crawler side frames with 4´11˝ flat track pads





Operating weight

The operating weight includes the basic machine with crawler side frames, winches 1+2 (2x 33,721 lbf) incl. 2 hoist ropes (2x 787 ft) and 66 ft main boom, consisting of A-frame, boom foot (33 ft), boom head (23 ft), boom section (10 ft), 273,373 lbs rear counterweight, 125,663 lbs carbody counterweight and 661,300 lbs pulley block.

Total weight	approx. 639,341 lbs

Ground pressure

The actual ground pressure is calculated according to the configuration and position of the machine and displayed in the operator's cabin. Using the optional Liebherr Crane Planner the actual ground pressure can already be calculated and displayed in the planning stage.

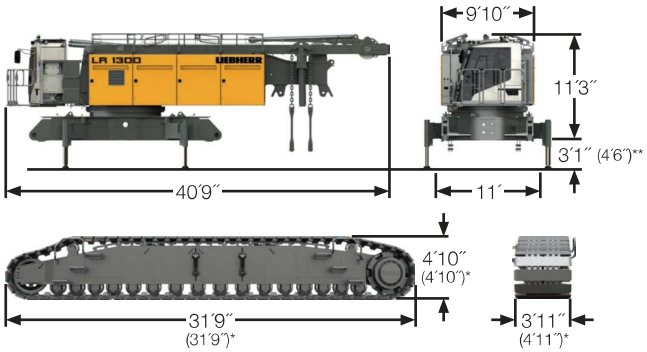
Equipment

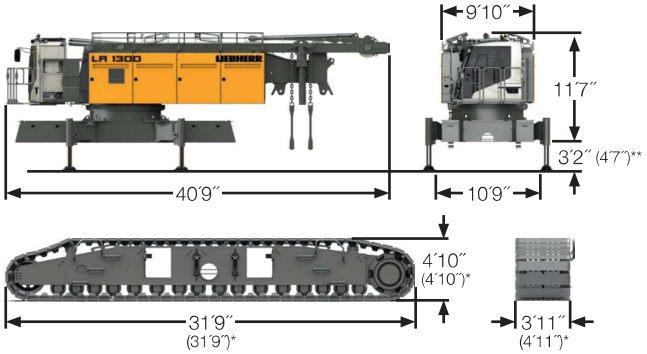
Main boom (No. 2821.xx)	66-302 ft
Fixed jib (No. 0906.21)	23 ft
Fixed jib (No. 1507.20)	26 ft
Fixed jib (No. 1008.xx)	36-85 ft
Fixed jib (No. 1713.xx)	46-115 ft
Luffing jib (No. 1916.xx)	66-312 ft
Max. boom combination (main boom 213 ft + luffing jib 312 ft)	525 ft
Luffing jib (No. 2316.xx)	66-370 ft
Max. boom combination (main boom 184 ft + luffing jib 370 ft)	554 ft
Auxiliary jib for main boom (No. 2821.xx)	79,370 lbs
Auxiliary jib for luffing jib (No. 1916.xx)	33,070 lbs
Auxiliary jib for luffing jib (No. 2316.xx)	66,140/99,210 lbs

Remarks

1. The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
2. Crane standing on firm, horizontal ground.
3. The weight of the lifting device (pulley block, hoist ropes, shackle etc.) must be deducted from the gross lifting capacity to obtain a net lifting value.
4. Additional equipment on boom (e.g. platforms) must be deducted from the load capacity.
5. The max. admissible wind speed can be preselected in the LML software and is shown in the load chart.
6. Working radii are measured from centre of swing and under load.
7. The lifting capacities are valid for 360 degrees of swing.
8. Calculation of stability under load is based on ANSI/ASME B 30.5 load ratings as well as ISO 4305 Table 2 and tested according to SAE J765 and SAE J987.
9. Weights may vary depending on the delivered configuration of the machine, filling level of the tanks as well as generally valid tolerances.
10. The figures in this brochure may include options which are not within the standard scope of supply of the machine.

Transport dimensions and weights





Basic machine

Basic machine

with A-frame 1, winches 1+ 2 (2x 33,721 lbf), without boom foot, without rear counterweight, without carbody counterweight and crawler side frames

Weight without hoist rope	101,413 lbs
Weight of hoist rope	2.82 lbs/ft

Crawler side frame — **2x**

	Standard	Option
Flat track pads	3´11″	4´11″
Weight	49,273 lbs	57,761 lbs

Basic machine with adjustable track width (option)

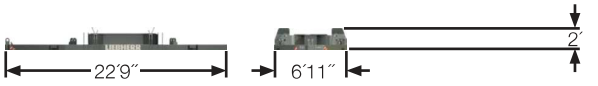
with A-frame, winches 1 + 2 (2x 33,721 lbf), without boom foot, without rear counterweight, without carbody counterweight and crawler side frames

Weight without hoist rope	102,515 lbs
Weight of hoist rope	2.82 lbs/ft

Crawler side frame adjustable (option) — **2x**

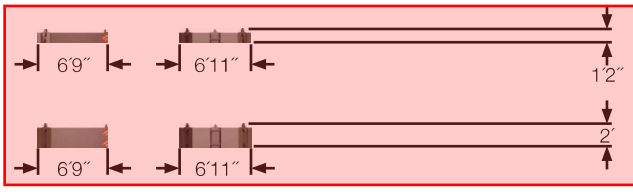
	Standard	Option
Flat track pads	3´11″	4´11″
Weight	50,706 lbs	59,194 lbs

Counterweight



Basic counterweight slab without tie-down — **1x**

Weight	30,865 lbs

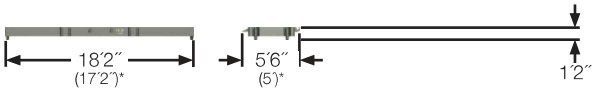


Counterweight slab — **6x**

Weight	11,023 lbs

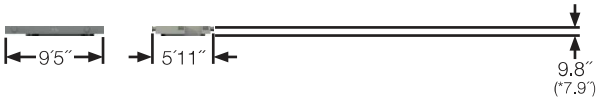
Counterweight slab — **8x**

Weight	22,046 lbs



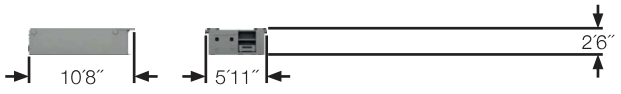
Carbody counterweight (for undercarriage with fixed track width) — **4x**

	Standard	Option*
Weight	31,526 lbs	29,542 lbs



Carbody counterweight (for undercarriage with adjustable track width) — **2x**

	Standard	Option*
Weight	16,535 lbs	12,236 lbs



Carbody counterweight (for undercarriage with adjustable track width) — **2x**

Weight	41,447 lbs

* Option: crawler side frames with 4´11″ flat track pads
** Option: telescopic jack-up cylinders