

Liebherr LTF 1060-4.1 truck-chassis crane provides maximum load capacity of 60 tons

- Top model of Liebherr cranes installed on truck chassis
- Lifting loads to heights of up to 56 m and with an outreach of 48 m
- Weight optimized design allows licensing the machine for the road
- Liebherr diesel engine provides 129 kW (175 hp) and maximum torque of 815 Nm

Stockholm (Sweden), 28 May 2015 – At the 2015 Maskin Expo, Liebherr displays the LTF 1060-4.1 truck-chassis crane with a maximum load capacity of 60 metric tons. This crane was first launched in 2009 as an addition to the top end of the cranes intended for installation on truck chassis. With a 40-metre telescopic boom and a 16 m double folding fly jib, this crane can lift loads to a height of up to 56 m and an outreach of 48 m.

The LTF 1060-4.1 is a cost-effective alternative in the taxi crane category, since it can travel on a four-axle chassis with its complete ballast of 10.2 t on board, without exceeding maximum axle loads of 9 t at the front and 12 t at the rear axles. The crane's overall weight remains below 42 t, and its maximum load capacity is available as soon as it reaches the operating site. No other vehicles are needed to carry ballast slabs or working equipment.

By reducing the ballast carried on the vehicle, the overall weight can be kept below 33t, which makes it easier to license the model for the road.

Economical day-to-day operation is assured by low operating costs: a standard truck chassis, by virtue of its design, has lower fuel consumption than a comparable all-terrain crane. Furthermore, the new LTF 1060-4.1 has a separate superstructure engine with a power output matched to crane operating needs. Fuel consumption is therefore also reduced when the crane superstructure is in operation. A Liebherr four-cylinder diesel with a power output of 129 kW (175 hp) at 1900 min⁻¹ is installed; its maximum torque is 815 Nm at 1500 min⁻¹.

Use of a truck chassis for a crane has advantages in terms of tyres and other parts subject to wear, since these are produced in large quantities. Trucks can be obtained if

required with a sleeper cab, which may offer additional cost benefits for certain types of crane operation.

High load capacities, compact construction, new control system

The new LTF 1060-4.1 offers excellent load capacities with either the complete ballast or part-ballast in use. An important factor in the design and development of this new telescopic-boom truck crane were its compact dimensions, to permit it to manoeuvre and handle loads even on very restricted sites. The support base width of 6.8 m can be reduced in two stages to 6.0 m and 5.0 m. The ballast radius is 3.5 m.

The crane supports are attached to the subframe that links the superstructure with the truck chassis. They are folded out from the chassis, then extended telescopically. A series of storage spaces is provided as standard equipment on the support posts themselves and on the subframe, a feature greatly valued by crane operating personnel.

The LTF 1060-4.1 also uses the Liebherr LICCON 2 crane control system, with scope for additional applications for even greater operating convenience. For the setting-up functions, a mobile multifunctional control and display unit (a BTT or Bluetooth terminal) is available. With the aid of this unit, the crane's supports can be extended and retracted conveniently and safely.

By operating the hoisting winch and the telescopic-boom luffing ram by remote control, the crane operator can keep the hook block in sight while attaching and detaching it at the truck's bumper. This new function greatly simplifies the task: until now the hook block could only be seen with some difficulty with the aid of a mirror from the upper cab, and a second person was often needed to make signals.

As an optional extra, the LTF crane can be supplied with full radio remote control. All crane movements can then be controlled away from the cab. This crane operator can, for example, secure the load to the hook without assistance. Another advantage is that there is always a direct view of the load, which can be extremely important on complex erecting work.

Captions

liebherr-ltf1060-4.1 truck-chassis crane-01.jpg

The Liebherr truck mounted telescopic crane LTF 1060-4.1 with full counterweight on the road

liebherr-ltf1060-4.1 truck-chassis crane-02.jpg

Liebherr truck mounted crane LTF 1060-4.1 with 40 m telescopic boom

Contact person

Wolfgang Beringer

Marketing Mobile and Crawler Cranes

Telephone: +49 7391 502-3663

Email: wolfgang.beringer@liebherr.com

Published by

Liebherr-Werk Ehingen GmbH

Ehingen, Germany

www.liebherr.com