

An innovative redesign beneath the surface—the LRB 355

- Available immediately worldwide
- More transport flexibility
- Available with Ground Pressure Visualization, Kelly Visualization and Drilling Assistant systems
- New cabin design

Las Vegas (USA), 10 March 2020 – Universally applicable, it excels with an elegant design and intuitive assistance systems. Prior to its first public appearance at Conexpo Con/Agg 2020, a number of machines are already successfully working on jobsites: we are talking about the new model of the LRB 355 piling and drilling rig.

Whether drilling with Kelly equipment or full displacement tools, or working with vibrators or hydraulic hammers: the new LRB 355.1 offers a multitude of application possibilities in deep foundation work.

The overall design of the LRB 355.1 puts special attention on the handling of the machine – both on and off the jobsite. For transportation, the crawlers can now be removed from both types of undercarriage. This reduces the maximum transport weight by about 30,865 lbs (14 t). To minimize the transport length, the leader can be folded. For the longer leader version with 88.6 ft (27 m), this saves 23 ft (7 m). A further advantage is that the machine can be transported with a mounted leader, sledge and ropes. Thus, the piling and drilling rig can be mobilized even more quickly on the jobsite.

The core of the piling and drilling rig is a new 1005 hp (750 kW) Liebherr diesel engine that complies with the NRMM exhaust certification Tier 4, Stage V. The new BAT 450.1 with a torque of 331,903 lbf-ft (450 kNm) serves as rotary drive and has automatic torque regulation, continuous speed optimization and four electronically adjustable speed ranges.

Features for more safety and simpler application

The ground load-bearing capacity and the monitoring of the ground pressure are decisive for the safe operation of a construction machine. The ground pressure visualization of the LRB 355.1 calculates the current ground pressure of the machine in real time and compares it with the specified safety limits of the relevant jobsite. The ground pressure is displayed in the operator's cab and the operator is continually aware of whether the machine is situated in, or is approaching, a critical area. This allows the operator to avoid dangerous movements.

Locking of the Kelly bar's telescopic sections is made significantly easier with the aid of the Kelly visualization system in the LRB 355.1. Thanks to the real-time display of the Kelly bar's locking recesses on the cabin monitor, the operator is always aware of the actual distance to the next locking recess. Color indications inform when the bar can be locked. Furthermore, false positioning of the Kelly bar during the shake-off process is indicated through a warning signal.

During continuous flight auger drilling, the concreting process is automated thanks to the drilling assistant. The remote control simplifies the loading process for transportation as well as the assembly of the machine. All assistance systems contribute to time savings, higher availability of the machine and a significant increase in safety during operation.

Comfort in an elegant design: the new operator's cab

The whole concept of the LRB 355.1 is completed by an elegant design, which the machine operator experiences directly in the new cabin. Principal focus was set on operator comfort. A modern airconditioning system with improved airflow, an optimized field of vision and reduced noise emission, as well as an ergonomic operator's seat with integrated heating and cooling ensure a pleasant operating experience.

Caption

liebherr-lrb355.1-drilling-rig.jpg

The new LRB 355.1 presents its elegant design.

Contact

Wolfgang Pfister

Head of Strategic Marketing & Communication

Tel.: +43 50809 41444

Email: wolfgang.pfister@liebherr.com

Published by

Liebherr-Werk Nenzing GmbH

Nenzing / Austria

www.liebherr.com