

## **Liebherr mining excavators R 9100 B and R 9150 B: machine upgrades to reduce cost per ton**

- Official market launch of R 9100 B and R 9150 B in January 2019
- First product presentation to the public of R 9100 B at Bauma China (November 27-30, 2018)
- Electric drive available for the R 9150 B
- Serious productivity increase thanks to Liebherr EVO Bucket Solution technology
- Serial installation of a data transmission kit

**Shanghai (China), 27 November 2018 - Liebherr Mining Equipment Colmar SAS launches its B-versions of the R 9100 and R 9150 in January 2019. Both machines have proven to be reliable and productive partners in the mining industry over the years. With the newest upgrades, these hydraulic excavators take a step forward to clearly exceed the performance and reliability compared to of any other player in this class while lowering the cost per ton.**

The Liebherr R 9100 (first launched in 2010) and R 9150 (first launched in 2012) are based on 60 years of Liebherr experience in the development and construction of hydraulic excavators. Innovative technologies from the manufacturer's large hydraulic excavator program, together with well-proven Liebherr components, make these updated models ideal for the mining and construction industry's needs.

### **Real productivity increase**

The R 9100 B and R 9150 B are equipped with the long-lasting and proven Liebherr V12 diesel engine specifically designed to withstand extreme outside temperatures and high altitudes with low atmospheric pressure. Integrating the latest engine management system, these machines are built for extreme conditions.

The Liebherr D9512 diesel engine is the latest generation of Liebherr diesel engines and is now USA/EPA Tier 4f compliant. It has been upgraded on many levels with an increased engine lifetime (SMU target of 15,000 hours) and new features that facilitate and improve the engine maintenance.

Furthermore, the new B-versions come with the exclusive EVO Bucket Solution with patented Liebherr design to maximize the loading capacity and ensure optimal penetration efficiency. Thanks to the contoured sidewalls and the augmented depth, the EVO Bucket backhoe bucket has now a capacity\* of 7.5 m<sup>3</sup> (9.8 yd<sup>3</sup>) for the R 9100 B and 8.8 m<sup>3</sup> - 9.6 m<sup>3</sup> (11.5 - 12.6 yd<sup>3</sup>) for the R 9150 B. The new buckets also make both excavators the perfect working partners in terms of shovel match for the Liebherr T 236 truck and all other articulated and rigid trucks in the 50 t to 100 t class.

### **Safe service access and superior operator comfort**

The R 9100 B's and R 9150 B's upper structure is accessible via a robust fixed ladder or 45° access stair in option and integrates one large central platform equipped with slip resistant surfaces. This new arrangement with wide catwalks facilitates maintenance and ensures comfort during all the operations. These excavators are fitted with ergonomic access for fast and safe maintenance. All service points are within reach from one side and at machine level.

The modern and large cab provides ideal working conditions and optimal operator's comfort. Mounted on silent blocks, the optimized cab design reduces vibrations. The new headliner limits noise pollution to provide a quiet working environment: decrease of 2 dB in the cab compared to previous version.

### **Connectivity Kit**

The new B-versions are serially equipped with GSM data transmission functionalities to collect operating parameters, error codes and machine faults. The data is accessible through the Liebherr-Mining Data platform (LMD) on which the user can generate customized reports to track & analyze machine data.

The accurate information collected through the Connectivity Kit is recorded in a worldwide database and enters a systematic assessment and resolution process to continuously improve existing and new products and components.

## **Liebherr Vertical Integration**

Liebherr's vertical integration practice means we design and build components that meet the specific operational requirements of both the customer and mine site. Genuine Liebherr components ensure the best interaction within the machine to encourage optimal performance. Most effective machine operation with the lowest costs.

During the development of the B-series, several of those genuine Liebherr components like the swing pump, went through an upgrade themselves to provide optimal reliability, superior productivity and a longer service life.

### **Captions**

liebherr-mining-excavators-B-versions-bauma-china.jpg

Overview of the major upgrades on the B-versions of the Liebherr mining excavators R 9100 and R 9150.

liebherr-mining-excavator-r-9100-b-bauma-china.jpg

The new mining excavator Liebherr R 9100 B had its first public appearance at Bauma China 2018.

liebherr-mining-excavator-r-9150-b-bauma-china.jpg

The new mining excavator Liebherr R 9150 B is equipped with the long-lasting and proven Liebherr V12 diesel engine and as an option is available with electric drive as well.

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