

The Liebherr mining excavator R 9100 at the Steinexpo 2014 trade fair

- 100 tonnes mining excavator with Liebherr V12 diesel engine
- Liebherr components ensure reliability and productivity
- Operator's cab offers ideal working conditions

Colmar (France), September 2014 – At the Steinexpo 2014, Liebherr presents its mining excavator R 9100 in backhoe configuration. Exhibited in Munich, Germany at the Bauma 2010 trade show for the very first time, Liebherr sets new standards in productivity, reliability and cost-effective operation with the R 9100 mining excavator. This 100 tonnes excavator is powered by a Liebherr V12 diesel engine that complies with all USA/EPA emission limits and makes highly efficient, economical use of fuel.

The Liebherr R 9100 is based on 50 years of Liebherr experience in the development and construction of hydraulic excavators. Innovative technologies from the manufacturer's large hydraulic excavator programme, together with well-proven Liebherr components, make this new model ideal for the mining industry's needs.

With a rated power output of 565 kW (757 hp), the innovative Liebherr V12 engine, together with the efficient hydraulic system, supplies the high breakout and digging forces needed for day-to-day operation. The Liebherr bucket, with a nominal volume of 7 cubic metres, combined with the Liebherr ground engaging tools (GETs) is an optimised pattern for mining work, designed for improved penetration and a high fill factor.

Separate radiators with hydrostatic fan drive for the hydraulic system and the engine keep the mechanical assemblies at their optimal working temperatures. This efficient cooling concept keeps energy consumption for the auxiliary drives to a minimum but maintains a high level of reliability even in the extreme conditions encountered in the mining industry.

Working conditions are ideal in the cabin, with a first-class standard of comfort and convenience. The raised operator's position and the large panoramic windows provide an excellent view of the complete work area. Areas that cannot be observed directly are monitored by two cameras, which their images displayed on a new 10.5-inch screen. The cabin's highly effective noise insulation makes a further contribution to productivity.

The R 9100 incorporates systems and components of thoroughly proven quality that Liebherr itself has developed; together with the revised single-line lubrication circuit and the fuel and oil filter systems they are part of the key to this mining excavator's excellent reliability and performance potential. Cost-effectiveness is enhanced by the reduced volume of maintenance work. A wide catwalk makes it easy to reach the individual assemblies for rapid and reliable servicing. All maintenance points are accessible at a practical height from one side of the machine.

Captions

liebherr-r9100-backhoe.jpg

Liebherr R 9100 in backhoe configuration

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