

### **The Liebherr R 922 crawler excavator at the 2014 NordBau trade fair**

- Designed for earth-moving work and drainage applications
- Belongs to the newly developed product range of Liebherr crawler excavators that have an operating weight of less than 24 tonnes
- Maintenance points that can be accessed from the ground result in less time spent and increased safety

At the 2014 NordBau in Neumünster, Liebherr is presenting its R 922 crawler excavator, which supersedes the previous R 906 model and has been introduced at the 2013 Bauma trade fair in Munich, Germany. Together with the R 918 and R 926 crawler excavators, the 22-tonne R 922 is a member of the newly developed product range with up to 24 tonnes service weight. Its Liebherr diesel engine with oxidizing catalytic converter has a rated output of 105 kW (143 hp) and complies with Stage IIIB exhaust emission limits.

The crawler excavator R 922 is designed for earthmoving and drainage work. Like all the new-generation excavator models, it is equipped with integrated excavator system technology for rapid, smooth working movements. In order to make the necessary flow volume available quickly and without one consumer significantly affecting another, and to ensure optimal use of the available energy, the Dual Circuit Positive Control hydraulic system is used. This allows the machine operator to save energy compared with other systems, since it reduces or in some cases entirely eliminates pressure losses. The driver benefits from the natural, harmonious movement cycles made possible by the load-dependent volume distribution principle.

The steelwork has been functionally optimised to withstand continuously increasing demands for trouble-free operating life. The cruciform undercarriage increases stability and disperses stresses more effectively. The centre section and side members are designed to make cleaning quicker and easier. The tractive force of 190 kN makes the excavator highly manoeuvrable, even over difficult terrain. Higher grabbing force, a breakout force of 123 kN and a digging force of 149 kN increase the performance of the R 922 still further.

The R 922's cab sets new standards of ride quality and ergonomic control layout in its class. Low noise levels, an agreeable sense of space and fully automatic air conditioning as standard equipment guarantee the driver a pleasant place of work. Easily reached controls and a colour touch-screen that can be operated intuitively make the working environment even more agreeable. The windscreen can be fully opened for quick, easy communication with people nearby, especially on drainage work. The reinforced cab complies with ROPS regulations and ensures optimal safety for the driver. As a further means of making work safer, a rear-view camera is integrated into the ballast weight as standard equipment; its high-resolution image is displayed on the touch screen.

Maintenance points on the new R 922 can be reached from ground level. This reduces the time needed, and makes the task safer for maintenance personnel. A Liebherr central lubricating system is also standard; its programmed lubrication is in accordance with the excavator's maintenance schedule and means that valuable time is saved. The LIDAT data transmission system permits more effective maintenance planning and management of the machine fleet.

### **Captions**

liebherr-crawler-excavator-r922-01-300dpi.jpg:

Liebherr crawler excavator R 922 with a service weight of approx. 22 tonnes

liebherr-crawler-excavator-r922-02-300dpi.jpg:

Liebherr R 922 crawler excavator in action carrying out excavation work in Alsace

### **Contact person**

Catherine Pierrat

Marketing and Communication Manager

Phone: +33 389 21-3070

E-mail: [catherine.pierrat@liebherr.com](mailto:catherine.pierrat@liebherr.com)

### **Published by**

Liebherr-France SAS

Colmar, France

[www.liebherr.com](http://www.liebherr.com)