

### **Spotlight: the R 938 from the new generation of crawler excavators presented at the Maxpo 2019 trade fair**

- The R 938 is presented alongside an engine which meets Stage V emission standards
- Simplified, fast and safe maintenance work for a new dimension of robustness
- Further increased machine power thanks to fundamental redesign of the excavator's various assemblies
- The R 938 model is available with the relevant engines in countries where emission standards regulation is extremely stringent or less stringent, or in countries where such regulation does not exist at all

**Hyvinkää Airfield (Finland), 5 September 2019 – Since the start of the year at Liebherr-France SAS in Colmar (France), production of the latest generation of earthmoving crawler excavators has been under way: The "Generation 8". This new stage is predominantly characterised by even greater power, even higher productivity and even more comfort for the operator. The new R 938 model is presented at Liebherr's trade fair stand at Maxpo 2019 alongside an engine, which meets Stage V emission standards. Like all models in the new generation, the Liebherr crawler excavator, launched in 2019, also boasts numerous improvements.**

The "Generation 8" stands out with a new design that was presented back in October alongside the other models in the series (R 922 and R 924). The team of developers from Colmar completely revised the basic concept to further increase comfort, safety and performance, and to achieve even better ergonomics in operation

#### **A specific platform**

The R 938, which is presented at Maxpo 2019 trade fair, complies with Stage V emission standards and is based on a specific platform developed by Liebherr-France SAS. The machine has an operating weight of 38 tonnes and achieve a power of 220 kW/299 hp. The backhoe bucket capacities vary from 1 m<sup>3</sup> to 3 m<sup>3</sup>. The R 938 model is available with the relevant engines in countries where emission standards regulation is

extremely stringent or less stringent, or in countries where such regulation does not exist at all.

In combination with the engine that meets Stage V emission standards, the R 938 in turn replaces the R 946 (Stage IV). With regard to the engines that meet Stage IIIA emission standards and the engines for unregulated markets, the new R 938 succeeds the R 944 C.

An extremely wide range of equipment and tools makes the R 938 crawler excavator very versatile for earthmoving, levelling, digging, loading and even lifting tasks.

### **High power with lower consumption**

The digging forces and tractive forces of the undercarriage and the swing torque of the uppercarriage have been significantly increased compared to the previous generation. Thanks to these improvements, the R 938 crawler excavator achieve a much higher level of performance on construction sites.

At the same time as launching this new generation, the construction equipment manufacturer also developed a new equipment concept. The load curve and inertia of the swivelling drive have been optimised to reduce fuel consumption.

The R 938 models is also available with various, particularly robust x-shaped undercarriage types, including a new WLC undercarriage, which guarantees the high stability required for especially heavy-duty use. The crawler chassis are completely maintenance-free and the track rollers feature permanent lubrication. Lastly, the automatic central lubrication system makes it possible to maximise both component service life and productivity.

### **Greatest possible comfort and maximum safety**

A particularly spacious, temperature-controlled cab is available to the operator. To make work particularly convenient, the excavators feature pneumatic seats with vertical and longitudinal suspension and a high-resolution, extremely user-friendly 7" touchscreen. The windscreen can be fully lowered.

LED technology has completely replaced the halogen headlights, increasing the operating life and reducing the electricity consumption – and all this with improved lighting. The range of lighting is available in the form of separate packages, with the LED+ lighting package, which is available as an option, representing the most high-performance solution.

The completely unobstructed panoramic visibility and the monitoring cameras at the rear and sides ensure maximum safety in the driver's work environment. The folding console makes entering and exiting the cab easy and safe. The certified ROPS cab structure provides particularly effective protection in the event that the crawler excavator tips over. The rear window serves as an emergency exit on all configuration versions of the excavator. The windscreen and right-hand window are made of tinted laminated glass.

### **Simplified and even safer maintenance work**

Access to the uppercarriage and platform has been extended and redesigned for even greater safety when performing maintenance work. The steps are now positioned at the side and come either as standard or as an option depending on the country of distribution. In addition, the R 938 crawler excavator boast a new maintenance concept: maintenance points can be accessed from the ground. The engine oil, hydraulic oil, fuel and urea levels are also shown on the display.

### **Caption**

liebherr-crawler-excavator-r938-g8.jpg

The Generation 8 crawler excavators from Liebherr are predominantly characterised by even greater power, even higher productivity and even more comfort for the operator.

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