

Launch of new Liebherr R 950 Tunnel crawler excavator on the global market

- Compact size perfectly adapted to underground applications
- High productivity
- Cab offering maximum safety and comfort

Colmar (France), 30 July 2015 – Following the different models showcased at the Intermat 2015 exhibition in Paris, Liebherr-France SAS is launching a new model of the crawler excavator, the R 950 Tunnel, which will replace the R 944 C Tunnel. Developed by Liebherr-France SAS in Colmar (France) the model is dedicated to the construction of tunnels and impresses with its compact size, high productivity and comfort.

The new Liebherr R 950 Tunnel crawler excavator has an operating weight of approx. 45 tonnes. The Liebherr designed diesel engine delivers power up to 150kW / 204 hp (190 kW / 258 hp optional). It satisfies the exhaust gas emissions of Phase IV / Tier 4f which is common to all Liebherr engines. This new machine adapts to a tunnel height of 5 to 8 metres.

The R 950 Tunnel crawler excavator allows working confined spaces. The height adjustment facility automatically stops the movement of the excavator to avoid impact with the surroundings. The short radius of gyration as well as the rear and lateral cameras also minimize the risk of collision with walls, surrounding material and the staff on site. Overall, damage to the equipment, hoses and pipes as well as impact with the tunnel walls are minimized.

The productivity and flexibility of the R 950 Tunnel crawler excavator is enhanced by the diversity of the necessary tools in tunnel applications (bucket, hydraulic hammer, drill, drilling rail, etc.). The breakout forces have been increased compared to the previous model, the R944C Tunnel. A specific hydraulic system for mounting cutting heads enables an increase in power, hydraulic oil flow and optimised cooling of the hydraulics. The tool change is carried out by the hydraulic quick coupler, whilst the flow rate, pressures and return of flow are adjusted from the cab. A comfortable cab is

available in two versions: Open (without windscreen or side windows) or Enclosed. The operator is protected by an ROPS integral structure while the visibility is optimised by the rear and the lateral cameras. Despite the compactness of the excavator, it has been designed to reduce downtimes and maintenance costs.

The construction of tunnels at Liebherr

Liebherr specialises in the development and production of hydraulic excavators, crawler tractors and loaders suitable for the traditional method of tunnel excavation NATM (New Austrian Tunnelling Method). The efficient and flexible use of these machines is facilitated by the numerous working tools and mobility of the machines. The Liebherr machines cover the whole tunnel construction sector and particularly railroad tunnels, metro tunnels, R.E.R tunnels and road tunnels.

Captions

liebherr-crawler-excavator-r950tunnel-01.jpg

The Liebherr R 950 Tunnel crawler excavator impresses with its compact size, high productivity and comfort.

liebherr-crawler-excavator-r950tunnel-02.jpg

The Liebherr R 950 Tunnel crawler excavator in use in Stuttgart (Germany).

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