

Hitachi introduces ZX135US-6 sliding arm excavator

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The new sliding arm excavator from Hitachi is ideal for deep excavation projects in confined spaces. It can dig deeper than a 30-tonne standard model and has a significantly smaller footprint, which makes it ideal for urban and road construction projects.

The new special application model has been developed by Hitachi as a compact alternative to larger models, addressing the specific need for powerful machines capable of working in confined spaces. It can complete excavation tasks quickly and efficiently, enabling projects to be executed safely and on schedule.

Powerful versatility

The sliding arm extends the working range of the ZX135US-6 considerably to a maximum digging depth of 7,790mm. The upper arm features a built-in sliding cylinder with a 2,000mm stroke. This makes it ideal for river maintenance, pipeline constructions and building mine shafts. In addition, thanks to the short swing radius of the ZX135US-6, it can fit perfectly in small spaces, which further enhances its versatility.

The smooth operation of the sliding arm excavator also makes it suitable for slope finishing. This is thanks to the controlled combined operation of the boom and arm, and exclusive Hitachi hydraulic circuit. The machine's robust sliding structure also supports the arm movement to prevent jolting and resists wear.

Easy maintenance

The Zaxis-6 model is easy to maintain, with lubrication points on the sliding structure that also increase the machine's reliability. The nylon sliding plates can be replaced quickly and conveniently. Handrails and a reinforced safety platform contribute to the machine's safe working environment.

Designed to offer superior performance, it is built with high-quality components and materials. The ZX135US-6 is equipped with a selective catalytic reduction (SCR) system that injects urea into exhaust gas to reduce nitrogen oxide emissions. The new medium excavator also features the HIOS IV hydraulic system, which reduces total hydraulic loss and helps to lower fuel consumption by 7% (in PWR mode) with the same levels of productivity as the previous model.

Toru Nabeshima, Manager of the Special Application department at Hitachi Construction Machinery (Europe) NV, says “Hitachi has utilised its manufacturing expertise to develop this machine and provide a reliable solution customers, who are seeking powerful machines to work in confined spaces. It is exceptionally versatile, and will complete excavation projects efficiently and safely. Like all Zaxis-6 excavators, it offers low fuel consumption as well as high productivity, ensuring a profitable return on investment.”

Benefits

- Extended working range for enhanced versatility
- Exceptional durability with robust sliding structure that resists wear
- Efficient HIOS IV hydraulic system
- Short swing radius for confined spaces
- Easy to maintain
- High-quality design elements and materials

Source: Hitachi Construction Machinery (Europe) NV