

Hitachi presents new ZX490LCH-7 super long front excavator

Hitachi Construction Machinery (Europe) NV (HCME) will introduce the largest Zaxis-7 model in its extensive super long front excavator range at Bauma this year. The ZX490LCH-7 HE16LD with 16m reach has a longer boom and arm than the standard ZX490-7 model. It is ideal for excavation work, as well as dredging rivers and lakes, bank maintenance and lighter, slope-finishing tasks. Due to the proportions of the boom and arm, the 49-tonne model can also be used for loading, as trucks can be conveniently positioned close to the machine. Assembled at HCME's factory in Amsterdam, The Netherlands, this special application machine has been designed to meet the needs of European customers.

Like all Zaxis-7 large excavators, the ZX490LCH-7 super long front (SLF) puts owners and operators in complete control. The Stage-V compliant model has an industry-leading cab with first-class comfort and safety features. Its exceptional reliability, efficiency and productivity provide owners with opportunities to increase profits and reduce costs.

Improve profit

Productivity on site will rise due to an improved workload of 7% (in PWR mode) for the ZX490LCH-7, which has the same size engine as the larger ZX690-7 model. An improved front speed for loading also increases productivity – a result of the new HIOS V hydraulics system, which also reduces fuel consumption.

The fuel efficiency of Zaxis-7 large excavators can also be controlled by using the new ECO gauge, clearly visible on the cab's multifunctional 8" monitor. Besides reducing costs, better fuel economy has a positive impact on environmental performance. The ZX490-7LCH SLF is Stage V-compliant thanks to the combination of the SCR (selective catalytic reduction) system, DOC (diesel oxidation catalyst) and CSF (catalysed soot filter).

Feel the difference

The state-of-the-art, ultra-spacious cab is the perfect working environment. It offers operators ultimate comfort and quality, with reduced noise and vibration levels in the cab.

New features include the synchronised motion of the seat and console – to reduce operator fatigue – and the adjustable console height with three positions to choose from. The adjusted boom and arm speed (hydraulic flow) allows for a smooth performance, while easy operation comes from the ergonomic design of the console and switches, and the hi-res anti-glare 8" screen is also easier to view.

Increase safety

Job site safety is enhanced by the exceptional view from the Zaxis-7 SLF excavator. Operators can control their own safety, as well as that of those around them, thanks to the Aerial Angle camera system. It provides a 270-degree bird's-eye view and users can choose from six image options to see the machine's immediate environment. When working in challenging conditions, new LED work lights and a windscreen wiper with an increased sweeping area further improve visibility.

To ensure optimum stability, the ZX490LCH-7 SLF has an additional counterweight and extendable undercarriage. When the undercarriage is retracted, this also contributes to easy transport.

Boost uptime

Tested rigorously at dedicated facilities in Japan, Hitachi Zaxis-7 machines have been built to last and maximise uptime. New engine parts enhance reliability, oil leakages are less likely and the durability of the trackframe has been improved. The robust undercarriage of the ZX490LCH-7 prevents potential damage.

Easy maintenance and cleaning features on all Zaxis-7 large excavators save operators and owners both time and money. The fuel filter is now integrated with the water separator, and the larger radiator improves heat dissipation and is easier to clean.

Fleet management

To enable owners to feel in total control of their fleet and workload, Hitachi's remote monitoring systems, Owner's Site and ConSite, give them access to vital data and tools. Both systems send operational data via GPRS or satellite from the excavator to Global e-Service on a daily basis. ConSite summarises the information in a monthly email, while the ConSite Pocket app shows real-time alerts for any potential issues.

The quality of the engine and hydraulic oil is monitored continuously by a unique Hitachi innovation. Two sensors detect if the oil quality has deteriorated and data is transmitted to Global e-Service. This innovative feature provides customers with peace of mind on the condition of their excavators, and reduces maintenance and unscheduled downtime.

Bauma debut

"We're proud to present the ZX490-7 super long front excavator to our customers at Bauma this year," says Burkhard Janssen, Product Manager Special Applications and New Technologies at Hitachi Construction Machinery (Europe) NV. "Within its standard portfolio, Hitachi offers the widest super long front product range in the industry, from eight to 50 tonnes, and from 10 to 22m reach."

"This latest model shares many of the advantages of our Zaxis-7 large excavator range, offering an enhanced experience in the cab for operators, and improved productivity and fuel efficiency to help owners improve their profits. It is also provided with life-cycle support from Hitachi, ensuring ultimate peace of mind."