

Komatsu Europe launches new HB215LC-3 hybrid excavator at Intermat 2018

Improved hybrid technology with a new-generation engine



Vilvoorde, April 2018 — Komatsu Europe announces the launch of the all-new HB215LC-3 hybrid crawler excavator at Intermat 2018, in Paris. (April 23-28 2018). With an EU Stage IV emissions-compliant engine and Komatsu's most advanced hybrid and powertrain technologies to date, the HB215LC-3 harnesses close to a century of Komatsu's industry-leading knowhow.

With the new HB215LC-3 Hybrid excavator, Komatsu raises the bar in terms of what customers can expect from an excavator. Together with the highest level of standard specifications, the HB215LC-3 offers drastic fuel savings and reduced CO₂ emissions, increased production, improved control, first class operator comfort, intelligent safety initiatives, the latest KOMTRAX telematics, advanced Komatsu hydraulics and the new Komatsu Integrated Attachment Control system.

KOMTRAX telematics and Komatsu CARE, a Komatsu maintenance program for customers, offer top fleet management and support, protect the machine against misuse and guarantee maximum efficiency and uptime.

"Today, ten years after the launch of the industry's very first hybrid excavator, Komatsu demonstrates its ongoing commitment to the development of Hybrid technology." says Koenraad Staels, Product Manager at Komatsu Europe. "The new HB215LC-3 offers upgraded hybrid and total-vehicle-control systems, to help customers reduce their fuel consumption by more than 20 percent and improve operating performance, compared to a non-hybrid excavator."

The HB215LC-3's EU Stage IV certified Komatsu SAA4D107E-3 engine offers 110 kW/ 148 HP. A Selective Catalytic Reduction (SCR) system using AdBlue® reduces NOx emissions to meet regulations.

Komatsu's unique hybrid system uses an electric swing motor/generator. The hydraulic power normally needed by the swing system is instead available to power the boom, arm and bucket, helping to improve production. The energy from swing deceleration, which would normally go unused, is captured and stored in an ultra-capacitor for use by the electric swing motor or engine mounted motor/generator to assist engine acceleration.

Operator environment

The new viscous fan clutch system controls optimal fan speed, reduces fuel consumption and contributes to lower in-cab noise. A comfortable work environment further helps operators maximise productivity. The proportional control joysticks, which are standard, allow precise operation of attachments with comfort and ease. With the addition of the new Neutral Detection System, the risk of inadvertent operation is reduced.

The ROPS certified cab, specifically designed for hydraulic excavators, gains strength from a reinforced box structure. The cab is mounted on viscous isolation dampers for low vibration levels. A standard heated high back air suspension seat comes with newly designed fully adjustable armrests for improved comfort. In addition to the standard radio, external devices can play music through the cab speakers thanks to an auxiliary input. The cab also has the benefit of two 12-volt power ports for the operator's convenience.

A high-resolution 7" LCD widescreen colour monitor features enhanced capabilities and displays information in 26 languages for global support. The operator can easily select up to six working modes to match machine performance to the application.

Komatsu's new attachment control is fully integrated in the monitor panel. With 15 pre-settings of tool oil flow and pressure the versatility of the machine is increased. The new monitor panel provides information on AdBlue® fluid level, Eco guidance, operational records, fuel consumption history and utilisation information.

For improved safety Komatsu's KomVision visual aid system is standard. 4 networked high definition cameras create a real-time bird's-eye view on the machine monitor.

The excavator is equipped with the exclusive Komatsu EMMS (Equipment Management Monitoring System), which has enhanced diagnostic features that give the operator and technicians greater monitoring and troubleshooting capabilities. EMMS also continuously monitors all critical systems, preventative maintenance, and provides troubleshooting assistance to minimise diagnosis and repair time.

HB215LC-3 New features and benefits

- **20% lower fuel consumption** vs. PC210LC-11
- **New and improved Hybrid system**
- **Increased production** thanks to the Hybrid system
- **5 years/10,000 hours warranty** on hybrid components
- **EU Stage IV emissions compliant**
- **Komatsu integrated attachment control** - Power & Control
- **KomVision®** bird's eye view visibility system fitted as standard. Increased safety.
- **Komatsu Selective Catalytic Reduction (SCR)** system, using AdBlue®, with integrated heating/ cooling system.
- **Auto idle shut down** – reduced fuel consumption, increased residual value, reduced service costs
- Fully adjustable arm rests (**no tools required**) – increased comfort -> Increased Production
- Control lever **Neutral Detection System** for industry leading safety
- **Komtrax "Step 5"**
 - 3G mobile communications

- Individual operator ID system
- AdBlue® level and usage reports
- Fuel abnormality (theft) reports
- Auto idle ON/OFF records
- Machine status reports including SCR
- Integrated communication antenna
- **Komatsu CARE – Peace of Mind, Costs Down and Profit Up**
SCR system included in the Komatsu CARE product support package
5 year / 9,000 hrs warranty on the SCR body

Information in this news release is current on the date of the announcement and is subject to change without notice.

Note:

- *Komatsu CARE, KomVision and KOMTRAX are registered trademarks of Komatsu Ltd.*
- *AdBlue® is a registered trademark of Verband der Automobilindustrie e.V.*

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