

Komatsu Europe International Launches New PC240LC-11 Hydraulic Excavator

Powered by a Komatsu EU Stage IV Engine

Vilvoorde, January 2015 — Komatsu Europe International N.V. introduces the PC240LC-11 hydraulic excavator to the European market. This new excavator further leverages Komatsu's leadership in technology and innovation with a more environmentally friendly EU Stage IV Komatsu engine, up to 6% improved fuel efficiency, an upgraded cab design, and enhanced serviceability. Productivity is maximized and operating costs are reduced.

Built on a solid foundation initiated in 1996 with the introduction of the first Komatsu Tier 1 engine, Komatsu's EU Stage IV engines are productive, dependable and efficient. The PC240LC-11 maintains the powerful lifting performance and stability of previous Komatsu models, with a net 141 kW (189 HP) @ 2.000 rpm and operating weights between 24.700 kg and 26.200 kg.

KOMTRAX The PC240LC-11 is equipped with the latest KOMTRAX™ remote monitoring technology with data access via the web or via KOMTRAX™ Mobile on your smart phone. In addition to providing data such as fuel levels, operating hours, location, cautions and maintenance alerts, KOMTRAX™ is further enhanced to monitor AdBlue® levels and KDPF regeneration and now also provides fuel theft alerts. A new Operator Identification System reports key operating information for multiple operators and the new Auto Idle Shutdown function helps to lower operating costs.

KOMATSU CARE All Komatsu Stage IV machines come with Komatsu CARE®, a complimentary maintenance program for Komatsu customers. For the first three years or 2.000 hours it covers factory-scheduled maintenance, performed by Komatsu-trained technicians with Komatsu Genuine parts. Komatsu CARE® offers up to a maximum of 2 complimentary Komatsu Diesel Particulate Filter (KDPF) exchanges and a KDPF warranty for the first 5 years or 9.000 hours. Customer peace of mind is further guaranteed by Komatsu with a 5 years or 9,000 hours warranty on the SCR body.

Key features of the PC240LC-11

Komatsu EU Stage IV emission certified engine – Productive, dependable, efficient

The Komatsu EU Stage IV engine integrates Selective Catalyst Reduction (SCR), to further reduce NOx emissions using the AdBlue® additive. With an advanced electronic control system that manages the air-flow rate, fuel injection, combustion parameters and after treatment functions, the Komatsu EU Stage IV engine optimizes performance, reduces emissions, and provides advanced diagnostic capability. Customers benefit from lower fuel consumption with no loss of performance. Komatsu continues to use a Komatsu Variable Geometry Turbocharger (KVGTT) and an Exhaust Gas Recirculation (EGR) valve for precise temperature and air management control and for longer component life.

To ensure product reliability and durability in demanding conditions, Komatsu developed the entire system, including the control software, which is critical to the effective operation of the after treatment system. This control system is also integrated into the machine's on-board diagnostics systems and in KOMTRAX™, Komatsu's telematics system.

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Highly efficient hydraulic system

All major components on the new PC240LC-11 including the engine, hydraulic pumps, motors, and valves are exclusively designed and produced by Komatsu. This integrated design uses a closed centre load sensing hydraulic system which has taken hydraulic efficiency to the next level using Variable Speed Matching technology. Variable Speed Matching allows the engine speed to adjust based on the hydraulic pump output for both light and heavy-duty applications. Additional enhancements have been made within the hydraulic system to reduce hydraulic loss, resulting in better efficiency.

Operator environment

The PC240LC-11 cab provides a comfortable and quiet work environment that helps operators maximize productivity. Proportional control joysticks are fitted as standard for the precise operation of attachments. The ROPS certified cab, specifically designed for hydraulic excavators, gains strength from a reinforced box structure framework. The cab is mounted on viscous isolation dampers for low vibration levels. A Neutral Detection System further improves safety: if the work equipment levers are not in a neutral position when the lock lever is released, the machine is prevented from any movement. The standard air suspension high back seat has newly designed fully adjustable armrests for improved comfort. In addition to the standard radio, external devices to play music through the cab speakers can be connected to an auxiliary input, and two 12-volt power ports are also included.

A high-resolution 7" LCD colour monitor features enhanced capabilities and shows information on AdBlue[®] fluid level, Eco guidance, operational records, fuel consumption history and utilization data. Text can be displayed in 26 languages for global support. The operator can easily select up to six working modes to match machine performance to the application. The standard rear-view camera gives a wide landscape view of the area directly behind the machine, and the new monitor panel's default screen shows the camera image as well as gauges. An optional second camera is available.

Convenient maintenance and serviceability

The PC240LC-11 provides easier service access to help reduce costly downtime. The new model has guardrails on both sides of the upper structure for easier accessibility. The hydraulically driven fan can be manually reversed to simplify cleaning out the cooling assembly. The radiator and hydraulic oil coolers are mounted side by side, making it easier to maintain and service when required.

The enhanced diagnostic features of Komatsu's exclusive EMMS (Equipment Management Monitoring System) on the PC240LC-11 give the operator and technicians greater monitoring and troubleshooting capabilities. EMMS also continuously monitors all critical systems, preventative maintenance, and provides trouble-shooting assistance to minimize diagnosis and repair time.

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

Notes:

- All comparisons are to the Komatsu model PC240LC-10.
- Komatsu CARE® and KOMTRAX™ are registered trademarks of Komatsu Ltd.
- AdBlue® is a registered trademark of Verband der Automobilindustrie.

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