

Komatsu Europe International Launches New PC88MR-10 Midi Excavator

Vilvoorde, January 2015 — Komatsu Europe International N.V introduces the PC88MR-10 midi excavator. With a net 50,7 kW @ 1.950 rpm (68 HP), the PC88MR-10 is powered by a 4-valve per cylinder Komatsu SAA4D95LE-6 engine and is EU Stage IIIB certified. It uses an advanced electronic control system to better manage air-flow rate, fuel injection, combustion and exhaust after-treatment to optimize performance, reduce emissions, lower fuel consumption and provide advanced diagnostic capability.

With an operating weight between 8.500 kg and 8.750 kg, the PC88MR-10 tight-tail excavator features improved efficiency, lower fuel consumption, improved operator comfort and enhanced serviceability. It bridges the gap between compact and construction sized excavators and can work in a wide variety of applications in construction, utility and landscaping.

KOMTRAX The latest KOMTRAX™ technology on the PC88MR-10 sends machine operating information to a secure website with wireless technology. Data such as operating hours, fuel consumption, location, cautions and maintenance alerts are relayed to the web application for analysis. The KOMTRAX™ fleet monitoring system increases machine availability, reduces the risk of machine theft, allows for remote diagnosis by the distributor, and provides a wealth of other information to drive business efficiency and productivity.

Performance

The PC88MR-10 features a maximum digging depth of 4.615 mm and a maximum reach of 7.150 mm. A swing boom allows the PC88MR-10 to work in confined spaces so the operator can focus on the work in front of the machine and worry less about rear swing impact in confined areas. While it accomplishes these tasks, the PC88MR-10 maintains a high lifting capacity and stability.

The standard rear counterweight has been re-designed and integrated in the tail of the machine, protecting the back side from impact and damages. The standard auxiliary hydraulic system flow of 125 l/min can be easily changed from single direction flow to bi-directional flow to provide excellent hydraulic attachment productivity. Standard equipment includes auxiliary piping for attachments, a 2.330 mm blade, two travel speeds and auto idle shutdown.

The six working modes can match hydraulic power to the job, to further increase fuel economy. A new enhanced attachment control allows up to 10 attachments settings to be stored in the monitor panel, and two-way attachments can also be operated in Economy Mode. An “Eco guidance” function helps increase fuel efficient operation. The PC88MR-10 offers the choice of rubber track, steel grouser systems or the Road-Liner track system.

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Enhanced comfort and ease of operation

The ROPS-certified cab, specifically designed for excavators, gains strength from a reinforced box structure framework. It is mounted on viscous isolation dampers that provide low vibration levels. A high back seat with new fully adjustable armrests improves comfort. In addition to the standard radio pre-setting, an auxiliary input for connecting external devices is provided to play music through the cab stereo speakers. Additionally one 24-volt power port is available in the cab, as well as a seat base mounted auxiliary engine shut-off switch. The PPC joysticks are also characterized by a high grip and short stroke, and their smooth proportional thumb switches offer improved versatility and controllability. They guarantee added precision with less finger fatigue when working with attachments. In small and tight spaces, the sliding door allows easy entry and exit to and from the spacious cabin.

A high resolution 7" LCD monitor features enhanced capabilities. The operator can easily select up to six working modes to match machine performance to the application. The monitor panel provides information on Eco guidance, operational records, fuel consumption history, and utilisation information. An optional rear-view camera can give the operator a landscape view of the area directly behind the machine.

Convenient maintenance and serviceability

To simplify maintenance, a wide opening engine hood and a new larger left side service door improve service access to key daily checks. Side-by-side, the increased capacity V-fin type radiator and oil cooler modules simplify maintenance and have an improved cooling capability. The X- frame car body design provides great strength and helps prevent mud and debris build-up, saving valuable time when cleaning the machine.

The PC88MR-10 is equipped with the exclusive Komatsu EMMS (Equipment Management Monitoring System), which performs three main functions, displayed on the large LCD colour monitor: EMMS continually monitors all critical systems, alerts and guides the operator should an anomaly occur, and prevents a small problem from becoming a larger service issue.

DT-type electronic connectors seal against dirt and moisture. To help prevent leaks, hydraulic hoses are equipped with O-ring seals instead of conventional taper seals. Extended replacement intervals for hydraulic oil, engine oil, and filters keep the machine up and running for increased hours on the job. A new switch was added for battery master disconnect and another, seat base mounted, for engine shutdown.

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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 PC88MR-8.
- KOMTRAX™ is a registered trademark of Komatsu Ltd.

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