

Komatsu Europe International announces the PC210/LC-10

Vilvoorde, August 2012 – Komatsu Europe International introduces the PC210/LC-10 hydraulic excavator. The new machine features lower fuel consumption, increased lifting capacity and improvements to the operator environment. Improved efficiency and enhanced serviceability help to maximize productivity and reduce operating costs.

Weighing in at up to 23,480 kg, the PC210/LC-10 is powered by Komatsu's SAA6D107E-2 engine with a flywheel horsepower of 165 hp (123 kW), and is EU Stage IIIB / EPA Tier 4 Interim (S3B) emission certified. By incorporating advanced materials and technology into its already proven power plant, Komatsu has developed an environmentally friendly unit that demands minimum attention from the machine's operator.

The PC210/LC-10 is supported by Komatsu CARE, a complimentary maintenance program for Komatsu customers that comes as standard with every new Komatsu S3B construction machine. 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 also 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.

Features of the new PC210/LC-10 include:

- **EU Stage IIIB / EPA Tier 4 Interim Emission (S3B) Certified Engine**

Komatsu has developed an advanced electronic control system for its SAA6D107E engine to manage air flow rate, fuel injection and combustion parameters, and after treatment functions to optimize performance, reduce emissions, and provide advanced diagnostic capability.

Already familiar on the Dash 8 excavator range, Komatsu's hydraulically actuated Komatsu Variable Geometry Turbocharger (KVGT) and Exhaust Gas Recirculation (EGR) valve are now incorporated into the new S3B engines, resulting in up to 10% reduction in fuel consumption, with longer component life.

The active/passive Komatsu Diesel Particulate Filter (KDPF) is designed to function almost exclusively in its highly efficient "passive" mode and trapped particulates will usually be removed with no discernible effect on machine operations. Built on exclusive Komatsu technology, the regeneration system keeps the operator aware of its status and has a manual override integrated into the monitor panel.

- **Increased Lift Capacity and Stability**

An increase in counterweight mass of approximately 500kg gives the PC210/LC-10 up to 10% more lifting power and provides greater lateral stability than the equivalent Dash 8 generation. An operator-selectable Lift Mode is provided to raise the hydraulic pressure and for maximum lifting force and fine, steady, machine control.

- **Highly Efficient Hydraulic System**

All major components on the new PC210/LC-10 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 (CLSS) which, combined with Komatsu's variable speed matching technology, takes hydraulic efficiency to the next level. Variable speed matching technology allows the engine speed to adjust itself based on the machine load throughout each individual working cycle.

Due to in-house development of the entire machine's powertrain and control systems, Komatsu has been able to ensure optimum compatibility throughout. The hydraulic system, for example, features reduced hydraulic losses, increasing efficiency and lowering fuel consumption

- **Enhanced Operator Environment**

The fully air suspended operator control station incorporates the side consoles mounted together with a high back, fully adjustable seat, heated for improved comfort. The new cab, with ROPS compliance to ISO 12117:2008, is specifically designed for hydraulic excavators and provides a comfortable and quiet work environment where operators can maximize their productivity. The cab gains strength from a reinforced tubular skeleton framework. Viscous damper mounts provide low vibration levels, further enhancing fine control and reducing operator fatigue. Along with two 12 volt ports, an auxiliary input has been added to connect an MP3 player or other device that uses a standard auxiliary connector.

A new high resolution 7" LCD monitor features enhanced navigation and functionality. Information can be displayed in 25 languages, helping the operator to feel at home and confident in the machine. The operator can easily select up to six working modes to match machine performance to the application. These working modes include Power Mode, Economy Mode, Heavy Lift Mode, Breaker Mode, Attachment Power Mode and Attachment Economy Mode. The new Attachment Economy Mode, allows attachments to be used without compromising machine efficiency.

The new monitor panel also provides operational guidance, an Economy gauge adjustable to match desired fuel consumption level, operational records, detailed fuel consumption history, and utilization information while a standard rear view camera lets the operator see directly behind the machine. An optional side mounted camera is also available to further increase the operator's worksite confidence and productivity.

- **Convenient Maintenance and Serviceability**

The PC210/LC-10 provides easy service access in order to reduce costly downtime. Routine service points are quickly accessible from ground level and handrails surround the upper structure for easier and safer accessibility. The radiator and hydraulic oil cooler are mounted side by side, making it simpler to maintain and service these two components when required, while the air conditioning condenser is hinged to allow even easier access. A rear hinged engine cover and convenient access steps are provided to allow safe and quick access to the engine bay, with no need to move to the counterweight or side covers of the machine.

Quick Specs:

	PC210/LC-10
<u>Boom</u>	5.7
<u>Arm</u>	2.4, 2.9m
<u>Bucket</u>	1.22m ³ – 1.68m ³
<u>Shoes</u>	Triple Grouser : 600, 700, 800 mm (PC210-10) 600, 700, 800, 900 mm (PC210LC-10)
<u>Operating weight</u>	Up to 23480kg
<u>Engine power (ISO 14396)</u>	123kW
<u>Arm/ Bucket breakout force</u>	108kN / 149kN (2.9m arm)
<u>Max digging depth</u>	6620mm (2.9m arm)
<u>Overall working width</u>	3080mm (700mm shoes, LC undercarriage)



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

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