

## Komatsu PC170LC-10 Excavator at bauma 2016

### In “Low Ground Pressure” configuration



*Vilvoorde, January 2016* – The Komatsu PC170LC-10 excavator will be showcased at bauma 2016 with a “Low Ground Pressure” (“LGP”) undercarriage. Launched on the European market in 2015; the PC170LC-10 provides improved performance and up to 5% more lift capacity with a standard counterweight when compared to the PC160LC-8. The optional heavier counterweight provides up to 15% more lift capacity and is ideal for contractors looking for a more powerful lifting machine, embodying versatility with power for the widest range of applications in its class. In an LGP configuration, the wider tracks on the PC170LC-10 make it perfect for work on softer surfaces.

With operating weights ranging from 18.900 – 22.000 kg., the PC170LC-10 (LGP) offers a net 115HP at 2100 rpm, yet it is up to 10 percent more fuel-efficient than its predecessor, depending on the application and conditions. This improved efficiency comes in part from a variable-flow turbocharger that provides optimal airflow under all speeds and load conditions.

The latest KOMTRAX™ telematics, and the Komatsu Care® complimentary maintenance program, offer top fleet management and support, protect the machine against misuse and guarantee maximum efficiency and uptime.

#### **Power and Control**

All of the new excavator’s major components including the engine, hydraulic pump, motors and valves are exclusively designed and manufactured by Komatsu. This integrated design employs a closed centre load sensing hydraulic system that takes hydraulic efficiency to the next level, utilizing both variable speed matching and low speed matching technology.

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Variable speed matching allows the engine speed to adjust based on the hydraulic pump output for both light and heavy-duty applications, while low speed matching utilizes a larger pump capable of producing higher pump output at lower engine speeds. Enhanced working modes are designed to match engine speed, pump delivery, and system pressure to the application.

### **Seamless Operation = Greater Productivity**

The integrated design of the Komatsu Diesel Oxidation Catalyst (KDOC) allows this simple system to remove soot using 100% “true passive regeneration”, without the need for a Diesel Particulate Filter (DPF). The KDOC is designed for long life, with no scheduled replacement interval. Less complexity and truly seamless operation for the operator means lower owning and operating costs.

The Komatsu SAA4D107E-2 engine is EU Stage IIIB certified and provides lower emissions and lowers fuel consumption. 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, reduce fuel consumption and provide advanced diagnostic capability.

### **Easier Serviceability**

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

### **Ease-of-Use for Operators**

The cab of the PC170LC-10 has a high-resolution 7” LCD colour monitor that displays information in 25 languages for global support. The operator can easily select from six working modes of operation to match machine performance to the application. These working modes include Power Mode, Economy Mode, Heavy Lift Mode, Breaker Mode, Attachment Economy and Attachment Power. The new monitor panel also provides Eco Guidance (operational efficiency guidance), operational records, fuel consumption history, and utilization information. The standard rear-view monitoring system allows the operator to view directly behind the machine with the push of a button.

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

#### *Notes:*

- All comparisons are to the Komatsu model PC160LC-8 unless when otherwise stated.
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