

## New Komatsu PW180-10 Wheeled Excavator at Bauma 2013

Munich, April 2012 - Komatsu Europe International will present the new PW180-10 Wheeled Excavator at the Bauma 2013 international fair.

The PW180-10 is expressly designed and built to stand up against the most demanding work environments in Europe. The excavator's engine and hydraulics deliver all of the muscle and sophistication needed for a broad range of works. With an operating weight of 17.0 – 19.2 tonnes, this new wheeled excavator features improved productivity with good stability and a high lifting capacity, increased operator comfort, simplified maintenance, and an average fuel consumption reduced by 10% , with up to 15% fuel savings when travelling.

With a net horsepower of 123 kW / 165 HP, the PW180-10 is powered by a Komatsu SAA6D107-1 engine and is EPA Tier 4 Interim and EU Stage IIIB (S3B) emissions certified. Built upon a proven Stage IIIA engine platform, Komatsu has leveraged its leadership in technology and innovation to design a more environmentally-friendly engine that increases power while decreasing fuel consumption.



The PW180-10 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 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.



The latest KOMTRAX™ technology on the PW180-10 sends machine operating information to a secure website utilizing 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.

### Special features of the new PW180-10 include:

- **EPA Tier 4 Interim and EU Stage IIIB Emissions Certified Engine**

Built upon Komatsu's proven EU Stage IIIA technology, the SAA6D107-1 engine provides increased horsepower while lowering fuel consumption. The Komatsu S3B engine uses an advanced electronic control system to manage airflow rate, fuel injection, combustion parameters, and after treatment functions to optimize engine performance, reduce emissions, and provide diagnostic capability.

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As a leader in hydraulic technology, Komatsu has developed a hydraulically actuated Komatsu Variable Geometry Turbocharger (KVGT) and Exhaust Gas Recirculation (EGR) valve, resulting in better precision and air management as well as longer component life. The Komatsu Diesel Particulate Filter (KDPF) has an integrated design that does not interfere with daily operation yet keeps the operator aware of its status.

#### • Improved Performance and Advanced Attachment Control

The PW180-10 delivers high levels of mobility. It has a powerful drawbar pull, and automatic three-speed travel. With a top speed of 35 km/h, it's one of the fastest-moving machines in its class. It runs quietly, making it welcome at job sites in dense urban and residential areas.

The undercarriage is designed for high ground clearance, and the outboard wet disc system provides virtually zero axle rocking. The PW180-10 is equipped to handle a wide variety of attachments. The advanced attachment control system features an operator selectable hydraulic flow control, adjustable presets for rapid attachment changeover and attachment piping options for a breaker, a clamshell or a crusher.

#### • Highly Efficient Hydraulic System

All major components on the new PW180-10 including the engine, hydraulic pumps, motors and valves are exclusively designed and manufactured by Komatsu. This integrated design uses 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. 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 larger pumps capable of producing higher pump output at lower engine speeds.

#### • Enhanced Operator Environment

The new cab provides a comfortable and quiet work environment, with an outstanding view, so operators can maximize productivity. The ROPS certified cab is specifically designed for hydraulic excavators and gains strength from a reinforced pipe-structured framework. The cab is mounted on viscous damper mounts, which provide low vibration levels. The high-back, fully adjustable seat uses air suspension and is heated for improved comfort. An auxiliary input has been added to connect an MP3 player or other device that uses a standard auxiliary plug, along with two 12-volt ports that have also been incorporated into the cab.

A new high resolution 7" LCD monitor features enhanced capabilities and displays information in 25 languages for global support. The operator can easily select up to five working modes of operation to match machine performance to the application. These working modes include Power Mode, Economy Mode, Heavy Lift Mode, Breaker Mode, and Attachment Mode. The new monitor panel also provides operational guidance, operational records, fuel consumption history, and utilization information while a standard rearview camera allows the operator to view directly behind the machine.

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## • Convenient Maintenance and Serviceability

The PW180-10 provides easy access to service locations to reduce costly downtime. The new model has extended handrails on the upper structure. The radiator and hydraulic oil cooler are mounted side by side, making it simpler to maintain and service them when required.

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



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

*All comparisons are to the PW180-7 unless specified otherwise.*

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