

## Komatsu Europe International Launches the D65EX/PX/WX-18 Crawler Dozer

### Powered by EU Stage IV Engine

*Vilvoorde, August 2014* —Komatsu Europe International n.v. introduces the new D65EX/PX/WX-18 crawler dozer, powered by the Komatsu SAA6D114E-6 engine, which is EU Stage IV emissions certified and more powerful with a net 162 kW (217 HP).

In 1996, with the introduction of the first Komatsu Tier 1 engine, Komatsu launched the foundations on which today's Komatsu EU Stage IV engine is built. With every engine upgrade, Komatsu has focused on making engines productive, dependable and efficient for customers. The new D65EX/PX/WX-18 crawler dozer leverages Komatsu's leadership in technology and innovation with a more environmentally friendly engine with higher levels of performance, lower operating costs and improved fuel efficiency.

A standard (EX), low ground pressure (PX) and a wide (WX) track model offer flotation and weight distribution options to customers that best match their applications. Operating weights range from 20.500 kg to 24.900 kg depending on the machine version.

The D65EX/PX/WX-18 combines the revolutionary SIGMADOZER® blade and a highly efficient automatic transmission with torque converter lock-up to achieve exceptional productivity and fuel economy. A durable Komatsu 6-way Power Angle Tilt (PAT) blade is also available for all models, and creates a versatile and agile tractor for various dozing operations.



The D65EX/PX/WX-18 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™ has been further enhanced to monitor AdBlue® levels, KDPF regeneration and fuel theft. A new Operator Identification System reports key operating information for multiple operators. A new Auto Idle Shutdown function helps improve operating costs by reducing unnecessary idle time.



All Komatsu EU 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 SCR system cleanings both covered by a warranty for the first 5 years or 9.000 hours.

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Special features of these new crawler dozers include:

### **Komatsu EU Stage IV Emission Certified Engine**

#### ***Productive, Dependable, Efficient***

Komatsu's EU Stage IV engines are built on the strength of the proven EU Stage IIIB foundation. By integrating Selective Catalyst Reduction (SCR), the EU Stage IV engine further reduces NOx emissions using AdBlue®. The Komatsu EU Stage IV engine uses an advanced electronic control system to manage the air-flow rate, fuel injection, combustion parameters, and after treatment functions to optimize performance, reduce emissions, and provide advanced diagnostic capability. The result is lower fuel consumption with no loss of performance. Komatsu continues to use a Komatsu Variable Geometry Turbocharger (KVGT) and an Exhaust Gas Recirculation (EGR) valve for more precise temperature and air management control as well as 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 aftertreatment system. This control system is also integrated into the machine's on-board diagnostics systems and KOMTRAX™, Komatsu's standard telematics system.

### **Diverse choice of blades for versatility and performance**

The D65EX and WX are equipped with SIGMADOZER®, providing the machine with a large blade capacity of 5,61 m³ and 5,9 m³ respectively. Based on a completely new excavation theory, SIGMADOZER® dramatically improves dozing performance and increases productivity by up to 15% over conventional semi-u blades. The Komatsu designed blade increases soil-holding capacity while simultaneously reducing sideways spillage because it digs and rolls material up at the centre of the blade. SIGMADOZER® also reduces digging resistance producing a smoother flow of material enabling the dozing of larger amounts of soil with less power.

A durable PAT blade is also available for each model. The manually adjustable blade pitch further expands the versatility and productivity in many applications.

### **Automatic shift transmission significantly improves fuel economy**

The D65EX/PX/WX-18 has a new automatic transmission with lock up torque converter that greatly reduces fuel consumption and offers greater power train efficiency. The lockup mechanics of the torque converter automatically transfer engine power directly to the transmission, reducing fuel consumption by up to 10%.

Two gearshift modes – automatic or manual – can be easily selected to fit the appropriate application: automatic for all general dozing and manual for dozing and ripping rough ground.

E and P modes help match machine performance to the application. E Mode is chosen for all general dozing, leveling and spreading applications providing adequate speed and power while saving up to 10% fuel usage. P Mode is chosen for heavier applications where engine power has priority over fuel consumption.

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### **Ergonomic joystick controls for ease of operation and comfort**

Komatsu's Palm Command Control System (PCCS) gives operators maximum control, offering a relaxed posture and superb fine control to minimize operator fatigue. The pilot controlled hydraulic blade and ripper control joystick offer excellent blade and ripper fine control.

Powerful turns under various work conditions are achieved with the Hydrostatic Steering System (HSS) to transmit power to both tracks without interruption. Counter-rotation is available in neutral for minimum turning radius, providing excellent manoeuvrability.

### **Cab design creates optimal operator environment**

The crawler dozer's comfortable cab allows the operator to concentrate on the work at hand for increased productivity. The large cab is integrated with ROPS and includes a comfortable standard air suspension seat with heat to further enhance operator comfort.

The cab provides a noticeably quiet work environment with viscous cab mounts. A large 7" high-resolution color LCD monitor in the cab displays all machine information. A rear-view monitoring system is standard and can be set to synchronize with reverse operation.

### **Convenient maintenance and reduced operation costs.**

Recognizing that maintenance is critical for successful equipment uptime, Komatsu has designed the D65EX/PX/WX-18 with easy routine maintenance in mind. Daily engine checks are grouped at the left-hand side of the engine compartment. A manually reversing fan allows for quick cleaning of the radiator. The D65EX/PX/WX-18 also comes standard with the Parallel Link Undercarriage System (PLUS). This rotary bushing system doubles the undercarriage life compared to prior conventional systems, significantly lowering owning and operating costs.



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

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