

Komatsu Europe International Launches New D85EX/PX-18 Crawler Dozer



Vilvoorde, March 2015 — Komatsu Europe International N.V introduces the D85EX/PX-18 crawler dozer. With operating weights ranging between 26.800 kg and 30.190 kg (depending on machine configuration), the D85EX/PX-18 is powered by a Komatsu SAA6D125E-7 engine that is EU Stage IV emissions certified and with a net 197 kW (264 HP).

Built on a solid foundation initiated in 1996 with the introduction of Komatsu's Tier 1 engines, the latest Komatsu Stage IV engines are productive, dependable and efficient. The new D85EX/PX-18 crawler dozer leverages Komatsu's leadership in technology and innovation by delivering a more environmentally friendly engine that provides high levels of performance while reducing fuel consumption and operating costs.

“Thanks to its automatic transmission, the D85EX/PX-18 always operates in its most efficient working range” says William Groven, Product Manager for dozers. “This function drastically enhances the machine's productivity and lowers its fuel consumption, making it the most fuel efficient in its class”.

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Key features of the new crawler dozer include:**Komatsu EU Stage IV emission certified engine – Productive, dependable, efficient**

The Komatsu EU Stage IV engine integrates a Komatsu Diesel Particulate Filter with high passive regeneration rate and Selective Catalyst Reduction (SCR), to further reduce NOx emissions using the AdBlue® additive. With an advanced electronic control system that manages the airflow rate, fuel injection, combustion parameters and aftertreatment functions, the Komatsu EU Stage IV engine optimises performance, reduces emissions and provides advanced diagnostic capability. Customers benefit from 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 precise temperature and air management control and 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 telematics system.

Komatsu patented SIGMADOZER® blade for unsurpassed productivity

The D85EX-18 is equipped with the SIGMADOZER® blade, which gives the machine a high blade capacity of 7,2 m³. The SIGMADOZER® dramatically improves dozing performance and increases productivity by up to 15% over a conventional Semi-U blade. The blade features a frontal design concept adopted for digging and rolling material at the center of the blade. Soil-holding capacity is increased and digging resistance is reduced for a smoother flow of material. Larger amounts of soil can be dozed with less power.

Cab design offers optimal operator environment

The new D85EX/PX-18 crawler dozer provides a comfortable and quiet work environment that helps operators maximize productivity. The newly enhanced ROPS (Roll-Over Protection) cab is large, with excellent side visibility. Standard features include a high capacity air suspension heated seat, viscous cab mounts to reduce shocks and vibrations even in adverse conditions, an upgraded high-resolution large color 7" LCD monitor on which all machine information is displayed, and a rear view monitoring system that can be synchronised with reverse operation.

Ergonomic joystick controls for ease of operation and comfort

Komatsu's ergonomically designed Palm Command Control System (PCCS) gives operators maximum control and offer a relaxed posture and superb fine control to eliminate operator fatigue. Thumb push buttons simplify transmission gear shifting.

Electronic control powertrain for smooth operation

The D85EX/PX-18 uses an electronic control powertrain system that significantly improves operation and productivity. Powerful turns under various work conditions are achieved with the Hydrostatic Steering System (HSS). Counter-rotation is available while in neutral for minimum turning radius, providing excellent maneuverability.

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The D85EX/PX-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. The new Auto Idle Shutdown function helps to 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 KDPF exchanges and a warranty for the first 5 years or 9.000 hours for the KDPF and Selective Catalytic Reduction (SCR).

“With Komatsu CARE®, customer peace of mind also comes as standard” says Jim Venerus, Deputy General Manager for Marketing. “This industry exclusive keeps your new EU Stage IV machine up and running, smoothly and efficiently, and gives truly unbeatable customer value”.

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 D85EX/PX-15.*
- *Komatsu CARE®, KOMTRAX™ and SIGMADOZER® are registered trademarks of Komatsu Ltd.*
- *AdBlue® is a registered trademark of Verband der Automobilindustrie.*

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