Komatsu HD785-7 Rigid Dump Truck- Performance and Safety

Munich, January 2013 —. Komatsu’s 91-tonne capacity rigid dump truck will be on display at Bauma 2013.

The HD785-7 offers impressive engine power and brake retardation, as well as excellent fuel efficiency. Its powerful and efficient Komatsu SAA12V140E-3 engine delivers 1178 HP at 1900 rpm and provides great acceleration, low fuel consumption with a top speed of 65 km/h.

To optimise performance and fuel consumption, the engine is fitted with a variable horsepower control (VHPC). This system sets the maximum engine power to one of four levels to match the job being carried out and the working conditions. The operator chooses between power and economy mode, and the VHPC automatically detects whether the machine is loaded or unloaded. Consequently, the HD785-7 delivers excellent climbing ability when required and fuel consumption can be reduced.

The HD785-7 has an advanced transmission that effectively harnesses the engine power, with 7 forward and 2 reverse gears. The transmission includes K-ATOMiCS, Komatsu’s electronically controlled clutch modulation system, which controls both the engine and transmission to optimise clutch engagement. Combined with a ‘skipshift’ function that automatically matches the travel speed to the incline, this system ensures smooth gear shifting and responsive acceleration.

A number of other features improve operational safety, such as the advanced retarder braking system. With a capacity of 1464 HP for continuous decent, the largest in its class and more than the engine power, this system ensures the safest downhill travel. It includes Komatsu’s anti-pitching 4-wheel oil-cooled multiple disc retarder, which shares the retarding force between all four wheels to reduce tyre-lock and allow smooth downhill travel. In addition, the auto-retard speed control (ARSC) allows pre-selecting a constant downhill speed so the operator can concentrate on steering.

For even greater safety, the HD785-7 can optionally be fitted with an anti-lock braking system (ABS), and an automatic spin regulator (ASR) that prevents the rear tyres from slipping on soft ground, improving traction and braking.

With a heaped capacity of 60 m³, the HD785-7 is matched to Komatsu’s PC1250 and PC2000 excavators, and WA800 and WA900 wheel loaders.

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

Contact:
Kevin Broman
Komatsu Europe International N.V.
+32 2 255 24 58
kevin.broman@komatsu.eu