

New Komatsu WA380-7 Wheel Loader

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Munich, January 2013 – The new WA380-7 wheel loader will be displayed at Bauma 2013.

Weighing in at 17,910 kg, the WA380-7 features improved efficiency, lower fuel consumption, improved operator comfort, and enhanced serviceability to maximize productivity while reducing operating costs.

With a net horsepower of 191 hp (143 kW), the WA380-7 is powered by a Komatsu SAA6D107E-2 engine and is EU Stage IIIB/ EPA Tier 4 Interim emission certified (S3B). Built upon a proven Stage IIIA engine platform, Komatsu has leveraged its leadership in technology and innovation to design an environmentally friendly engine that increases power while lowering fuel consumption by approximately 10 per cent, compared to the WA380-6.

The WA380-7 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 WA380-7 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. New data includes details about the type of work the machine is doing and a performance report of Komatsu's new EU stage IIIB engine and its Komatsu Diesel Particle Filter (KDPF). KOMTRAX™ communicates the number of active KDPF regenerations performed by the machine, and the time spent doing them. 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.

New features of the WA380-7 include:

- EU Stage IIIB/EPA Tier 4 interim Emission Certified Engine

Built upon proven Stage IIIA technology, the SAA6D107-E2 engine provides lower emissions while also lowering fuel consumption. The Komatsu S3B engine uses an advanced electronic control system to manage air flow rate, fuel injection, combustion parameters and after-treatment functions to optimize performance, reduce emissions and fuel consumption, and provide advanced diagnostic capability.

As a leader in hydraulic technology, Komatsu has also developed a hydraulically actuated Komatsu Variable Geometry Turbocharger (KVGT) and an 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 will not interfere with daily operation but will keep the operator aware of its status. The WA380-7 also features Komatsu SmartLoader Logic, which provides optimal engine torque for the job required. Komatsu SmartLoader Logic helps to save fuel by automatically decreasing engine torque when the loader isn't working hard, such as when it is driving with an empty bucket. Komatsu SmartLoader Logic functions automatically and doesn't interfere with operation, saving fuel without decreasing production.

- Large Capacity Torque Converter with Lock-Up

The WA380-7 has a newly designed Komatsu Large Capacity Torque Converter with Lock-Up as a standard feature. This provides improved acceleration and hill climb ability, a higher top speed and lower fuel consumption. The Lock-Up function activates in 2nd, 3rd and 4th gears and gives the machine a maximum ground speed of 40 km/h. The wheel loader has greater productivity in V-cycle applications because of the increased tractive effort. The improved hill climbing ability allows the WA380-7 to upshift gears faster because of better acceleration. The Komatsu WA380-7 can also achieve higher gear ranges and maintain higher ground speeds when working in load-and-carry applications. In most applications, production is increased and fuel consumption reduced, resulting in improved fuel efficiency.

- Enhanced Operator Environment

The new cab provides a comfortable work environment with a reduced interior sound level of only 68 dB(A) so operators can maximize their productivity. The front glass was lowered and the dashboard redesigned to improve visibility. The short lever Electronic Pilot Control (EPC) is connected directly to the operator seat. A precise and comfortable temperature can be set with the Climate Control system, and a CD-Radio including two 12Volt ports was incorporated into the cab.

A new high resolution 7" LCD monitor features enhanced capabilities and displays information in 25 languages, for global support. Using the monitor, the operator can easily modify settings for items such as

the auto idle shutdown or the auto-reversing fan. Operators can also check operational records, such as working hours or fuel consumption; monitor the KDPF; or check how much time is required before the next maintenance interval. The monitor offers the option of using the ECO Guidance function, which provides operational tips to reduce fuel consumption. A separate high-resolution back-up camera is standard with every machine and is mounted on the right hand side of the console for operator convenience.

- Greater versatility

An easy-to-clean radiator compartment in combination with an auto reversible radiator fan effectively supports work on job sites that are littered with a lot of debris. A newly designed multi-function lever has integrated proportional controls for the easy handling of attachments that require a third hydraulic line, such as High-Dump buckets. For attachments, you can adjust the flow rate individually and select a continuous or proportional flow, and the new unique user interface allows saving your customized settings.

- Convenient Maintenance and Serviceability

The WA380-7 provides easy service access to reduce costly downtime. The new model has increased cooling capacity, wider cooling fin spacing and a standard auto-reversing fan to help keep the radiator clean. The machine is equipped with the exclusive Komatsu EMMS (Equipment Management Monitoring System), which has enhanced diagnostic features that give the operator and technicians greater monitoring and troubleshooting capabilities. EMMS also continuously monitors all critical systems, preventative maintenance, and provides troubleshooting assistance to minimize diagnosis and repair time.

Quick Specs:

Operating weight	17,910kg
Engine power (ISO 14396)	143kW
Hinge pin height	4,095mm
Dumping Clearance (with 3.2m ³ bucket with teeth)	2,915mm
Full turn static tipping load (at 37°)	12,890kg

Source: Komatsu