



PRESS RELEASE

Performance and efficiency - a quantum leap

Komatsu Europe presents the next generation of wheel loaders with the WA475-11 and WA485-11 models.

Komatsu introduces its latest generation of outstanding wheel loaders with the two models WA475-11 and WA485-11. These are equipped with countless modern technologies and offer maximum performance, efficiency and outstanding operator comfort for maximum customer benefit.

Unsurpassed performance and efficiency

At the heart of the 11 Series wheel loader generation is a newly developed diesel engine from Komatsu, which is characterized by extremely high torque at low engine speeds. The new engine is complemented by the power split transmission (HMT), also developed by Komatsu, so that the machine offers unsurpassed performance, high power reserves, enormous fuel efficiency and easy operation in all transport and loading applications.

The WA475-11, for example, offers 14% higher fuel efficiency than the previous 10 Series machine, while the WA485-11 shows a remarkable 29% increase compared to its predecessor, the WA480-8.

Thanks to the variable transmission ratio, the motor always operates in the high-efficiency range. Thanks to the infinitely variable speed control, the maximum speed of the machine can be adapted to the conditions on the construction site. The adjustable, variable traction control system prevents the wheels from spinning on difficult ground.

Significant increase in payload and bucket volume

Compared to its predecessor, the WA480-8, the WA485-11 also offers a significantly increased payload and a higher bucket volume. All machine components are designed for a permanent payload of 8800 kg, which even increases to 9300 kg with the machine version for material handling. This reduces the number of loading cycles required.

Reduced emission values

Komatsu's commitment to sustainability is also reflected in the new wheel loaders with modern emission control systems that ensure compliance with the EU Stage V emissions standard.

In addition, Komatsu's proven exhaust gas aftertreatment system is equipped with a diesel particulate filter (DPF) which, together with the SCR module for selective catalytic reduction and the use of AdBlue[®], further reduces NOx emissions. Thanks to these technologies and the already very clean combustion, the diesel particulate filter only needs to be replaced every 8000 operating hours. The interval can be extended even further by using extremely low-ash engine oil.

The perfect balance between traction and lifting power

Another new feature is the variable power control, which allows the lifting speed to be controlled independently of the accelerator pedal. It has never been easier for the operator to find the perfect balance between traction and lifting power. The optimized Z-kinematics offer up to 20% more lifting power and a higher production rate in tonnes per hour. The remarkable lifting speed and best-in-class machine stability ensure increased productivity, especially in tight V-loading applications. In addition, the response time of the hydraulics and the tipping and lifting speed can be adapted to the respective application requirements.

Ergonomic design for outstanding driver comfort

The new user-friendly, spacious cab offers large glass surfaces and an interior noise level of just 70 dB(A). The heated rear window is angled inwards so that dust does not settle on it. The control lever console is equipped with a new function selector switch and can be adjusted in five directions to suit the driver. The increased internal cab pressure prevents dust and other particles from entering the cab. For easy and safe access, both machines are equipped with a rear-opening door, adapted steps and large handrails.

A new air-sprung driver's seat absorbs vibrations and shocks for a more comfortable driving experience. The seat-mounted EPC control levers with a new ergonomic design increase comfort and reduce driver fatigue.

Higher productivity through innovation

The automatic bucket filling system and other assistance functions ensure that the driver works with constant productivity, even on long jobs.

The digital, high-resolution display of the driver information system shows the driver all important data such as KDPF status, AdBlue[®] level and fuel consumption. The eco information is displayed in real time during operation and when the system is shut down after the engine is switched off. The driver can view usage reports and fuel consumption data via the Eco menu. The driver can use this data to save, evaluate and optimize the machine's overall consumption.

Another important new development is the AFJS joystick steering with angle-dependent feedback (Angle Feedback Joystick Steering), which replaces the steering wheel. The angle of the joystick allows the driver to intuitively recognize the current steering position. Another advantage of this system is the elimination of the steering column, which optimizes the view of the work area and provides more space in the cab.

The programmable engine control automatically switches the machine off when idling or allows the engine to cool down and then switches it off when the driver has already left the cab.

Low maintenance and long operating times

Cleaning and maintenance work is easier than ever before. The radiator fan can be swung out and the automatic reverse function is standard equipment. The electrically hinged hood provides access to the entire engine compartment. Additional side doors ensure quick and convenient daily inspections and maintenance work. Maintenance costs are significantly reduced, resulting in lower overall maintenance costs over the service life of the machine. The full-length mudguards are also standard equipment and an AdBlue® level indicator on the filler neck prevents overflow when filling.

Thanks to the first-class fleet management functions of the Komtrax telematics system and the Komatsu Care maintenance program, the machine is protected against unauthorized use and designed for maximum efficiency. This avoids downtime.



