

## WB93S-5 & WB97S-5: Komatsu's new 4-wheel-steer backhoe loader series

At Intermat 2006, Komatsu is presenting the world premiere of its new 4-wheel-steer (4WS) rigid backhoe loaders. Developed with constant attention to the needs of customers all over the world, these new machines feature numerous innovations to ensure top-class performance, technology, reliability and comfort.

Komatsu is introducing two new models: the updated WB97S-5 and the all-new WB93S-5. With this second machine, Komatsu now also offers the classic 4-speed 'Power Shuttle' transmission in the 4WS version to cover the whole 4WS backhoe loader market.

Both machines feature a new, larger cab with a wide, rounded shape and tinted glass for optimal visibility in all directions. The cab is extremely comfortable thanks to a wide range of seats (including a fully adjustable air-suspension model with lumbar support), a powerful, multi-vent air condition system, an electric socket for charging a mobile phone, lockable storage compartments and other useful accessories. The result of many ergonomics tests, the outstanding level of comfort ensures the operator works in the best possible condition.

The WB93S-5 and WB97S-5 are extremely manoeuvrable and versatile thanks to 3 steering modes: 2 wheel steering (2WS), 4 wheel steering and crab steering. The steering mode is selected via switches on the lateral dashboard. Four equal-sized tyres and an automatic limited slip differential enhance traction and controllability. The models have different types of transmission: a 4-speed Power Shuttle for the WB93S-5 and a 4-speed 'Full Power Shift' with a twist-grip control, standard automatic shifting and 'kick-down' function for the WB97S-5. Both have a top speed of 40 km/h.

For the front loader, both 4WS backhoe loaders feature PPC servo-control joysticks as standard. For the backhoe, PPC servo-controls are also standard on the WB97S-5 and available as an option on the WB93S-5 (which keeps a mechanical lever control as standard). Two control patterns are available for the backhoe. The use of PPC technology is a step towards the standardisation of controls across the complete Komatsu range, allowing the operator to switch easily from one machine to another.

The new machines are stronger and the front-end provides more protection against impacts. The front loader uses the same kinematics as the previous series, with a parallel lifting system that keeps the new backhoe loaders at the top of the class.

The closed-centre load sensing system (CLSS) hydraulics distributes the oil flow in proportion to the load, ensuring precise movements even during simultaneous operations.

Completely redesigned, the backhoe has a rounded shape offering many operational advantages such as a greater ability to overcome obstacles and high truck loading. Lifting capacity, breakout force and productivity are higher than for previous models. Even the layout of the hydraulic hoses on the arm has been revised to reduce possible damage from wear.

With an extended maintenance interval (600 hours), low fuel consumption and conveniently located service points, operating costs are reduced. The wide range of options and attachments includes load stabiliser system (LSS), 24" or 28" conventional

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and radial tyres, hydraulic side-shift for the backhoe, off-set boom, quick hitch for the backhoe and loader, 4x1 bucket and much more.

For more information about Komatsu's WB93S-5 and WB97S-5 4-wheel-steer rigid backhoe loaders, go to [www.komatsueurope.com](http://www.komatsueurope.com) or visit your local Komatsu sales and service organisation.

### Specifications

	<b>WB93S-5</b>	<b>WB97S-5</b>
Net power	99.2 HP / 74 kW	99.2 HP / 74 kW
Operating weight	8050 kg	8150 kg
SAE digging depth	4540 mm	4840 mm

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