

ZW250-6

A MULTITASKING ADDITION TO
HITACHI'S DASH-6 FLEET



Taking center stage in Hitachi's new lineup of top-tier wheel loaders, the ZW250-6 is the latest model featuring Hitachi Dash-6 upgrades and technology. With the ZW250-6, Hitachi Construction Machinery Loaders America introduces a beefier and more robust version of the ZW220-6 that was so well-received by equipment buyers earlier this year. Bringing many of the same unique features into Hitachi's lineup of larger production loaders, the ZW250-6 is engineered and equipped to take on the full range of duties expected by owners and operators.

As agile as it is powerful, the multitasking ZW250-6 is built to take on one job after another and to keep producing all day in the most challenging work environments. It ships at just over 46,000 pounds and is amply powered by a highly efficient 250 horsepower Cummins Tier 4F engine with 37,090 pounds breakout force. The standard GP bucket heaps to a hefty 4.8 yards and can hoist 35,000 pounds to dumping heights better than 113 feet 11 inches.

Technology for versatility

Sized and equipped to become the everyday "go to" machine for many Hitachi customers, the ZW250-6 is loaded with the operator features they need to cover the full spectrum of duties required by asphalt plants and quarries, recycling yards, transfer stations and bulk handling facilities as well as traditional construction applications.

Hitachi's history in technology shines throughout the Dash-6 Series, and the ZW250-6 takes full advantage with its extensive suite of smart features such as ride control, telematics, auto power-up and an operator-friendly LCD color monitor. The ZW250-6 also serves up the down-to-earth production features tailored to help owners and operators get the best from their machine.

The compact, well-organized console brings a full complement of intuitive controls close to hand for responsive speed, steering and loading.

Operators who have tested out the Dash-6 build agree that the new Power Mode switch is a standout feature in

almost any application. At the touch of a button, Power Mode responds instantly with a 10% burst in engine rpm. Available in any of the auto and manual ranges, this rpm surge generates extra acceleration, rim-pull and breakout force without limiting the loader's top speed. This boost means deeper digs into heavy piles, more traction to climb grades under full load and a quicker run up to full speed on flat runs. The added power also translates into faster loading cycles, with enhanced hydraulic flow for quicker bucket lifts.

A shift hold switch overrides automatic settings to hold the transmission in its current gear until the operator presses it again or changes direction, giving it the extra traction or torque required at that time.

E Stick: Hitachi steers you right

One of Hitachi's most popular exclusive innovations, the "E Stick" hydraulic steering system, is now available on the ZW250-6. First offered on the ZW220-6, the optional E Stick is an electric control over a hydraulically controlled joystick. The E Stick provides operators with a fingertip lever mounted just in front of the armrest. It takes over from the steering wheel and allows fine control of the machine's movements with minimal effort. Among trial users, the E Stick has improved production by as much as 20%, saving time and effort any time the loader is required to cycle rapidly through a tight loading environment.

Hitachi's parallel/tandem hydraulic circuit makes load lifting and dumping

even more efficient. The parallel tilt and lift movement smooths out digging operations while the tandem function prioritizes the bucket while dumping, and an automatic return-to-dig function resets the bucket for the next load. A novel approach speed control automatically detects when the operator is loading and limits the machine speed to 6 mph so that inching is not required to load the truck.

Along with the 4.8-yard bucket, Hitachi offers the ZW250-6 a 5.2-yard light material handling bucket, a quick-coupling GP bucket, 72-inch utility fork and a choice of ISO or 418-type quick coupler to carry all kinds of specialized attachments.

Comfort and safety

When you do a lot of things well, you get little time to rest. That's why operators will appreciate the fully updated comfort and convenience package that comes standard in the Dash-6 cab. The cab of the ZW250-6 maintains a pressurized workspace with a virtually airtight seal to keep out dust and dirt. Fully automatic air conditioning, suspension seat, excellent ventilation through multiple ports and a new sound system with roof-mounted speakers all create a fatigue-fighting environment for those long hours on the job. The tilt/telescoping steering pedestal is linked to a pop-up pedal that quickly returns the steering pedestal to the operator's preferred start position.

The ZW250-6 carries forward Hitachi's claim to the best visibility in the business, an essential trait for machines that are expected to be in constant motion on busy jobsites. A seamless front window, rounded engine cowling and redesigned rollover protection structure frames allows clean 360-degree lines-of-sight. Its exhaust and intake stacks are located to the far rear end of the engine cover, minimizing their profile in the operator's view. The rear pillars of the ROPS frame struts are mounted forward and



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away from the rounded corners of the cab. A rear-mounted safety camera is standard equipment, along with an optional proximity detection system providing audible and visual alerts for stationary and moving objects up to 20 feet from the loader.

A solid producer all day, every day

With its strengthened frame structure, high ground clearance and a resilient cooling package, the ZW250-6 is up to working long shifts for the long haul. The loading arm on the ZW250-6 features a heavy cross-tube design to resist torsional stresses. A belly guard is also an available option to prevent damage to the powertrain and driveshaft in the most rugged terrain.

Standard equipment includes a reversible, on-demand hydraulic cooling fan, which can be activated automatically or manually. Aluminum wide-fin cooling cores ensure high cooling efficiency as well as extending the service life free of corrosion.

To maximize uptime, Hitachi has engineered its Dash-6 machines for above industry standards for service intervals between oil changes. The use of HN oil-impregnated bushings, another Hitachi exclusive, further simplifies service planning by building up to 500 hours of service time for the bushing, ensuring protection even if lubrication is delayed or missed. A new rear grille prevents raw material from entering the radiator compartment and protects it from debris. An exhaust-aspirated air cleaner and integrated pre-cleaner removes large particulate matter from the air inlet, eliminating the need for turbine-type pre-cleaner. Gull-wing access doors and the swing-out design of the cooling fan also help technicians to complete servicing quickly and put the ZW250-6 back to work.

Coming from Hitachi, you expect machine intelligence to be built into these Dash-6 models, and it is. Telematics with Hitachi's Global e-Service allows ZW250-6 owners to monitor their loaders remotely for machine performance, daily

operational reports and remote diagnosis, as well as to schedule maintenance dates. Hitachi's ConSite "predict and prevent" program sets a new standard in telematics, as codes with in-depth diagnostics and resolution guides are automatically forwarded.

Goodbye DPF; hello SCR

The minimization of Dash-6 emissions moves Hitachi loaders ahead of the pack with DPF-free Tier 4 Final power.

By eliminating the diesel particulate filter and the required regen cycles from the ZW250-6, Hitachi now takes the industry lead in Tier 4 Final solutions for wheel loaders. Hitachi Dash-6 machines introduce a clean SCR system using just a simple DEF system. This advance lets the machine run efficiently without high engine temperatures while eliminating concerns about idle times. Fleet managers can look forward to less downtime for engine maintenance and extended engine life to overhaul. The SCR opens up space in the engine compartment, too, making life a little easier for service techs.

The loader's variable displacement hydraulic pump and an auto shutdown feature provide further savings on emissions and fuel economy during load-and-carry operations. ■