



NEW HITACHI ZW220-6 PUTS POWER AND AGILITY INTO THE HANDS OF LOADER OPERATORS

Designers of the new Dash-6 Hitachi wheel loaders understand that, for equipment owners to get more out of their machines, the machines have to let them get more from their operators. With the launch of the ZW220-6 articulated loader, Hitachi delivers a machine that's built to get the best from today's best operators.

The ZW220-6 is Hitachi's mid-sized "do-it-all" loader in the new generation Dash-6 series. A tough, agile machine designed to thrive in demanding work environments, the ZW220-6 tips the scale at 38,910 pounds, with a highly efficient

200 horsepower Cummins power plant generating 34,170 pounds of breakout force. The heaped bucket capacity of 4.2-4.7 cubic yards can reach loading heights up to 13.5 feet. Dash-6 models offer a range of advanced features that target the needs of premium operators for responsive power and control.

Cab comfort and control

The first thing operators will notice is the fully updated comfort and convenience features of the Dash-6 pressurized cab (virtually airtight to keep out dust and dirt), along with the tilt/telescoping steering

pedestal, fully automatic air conditioning, excellent ventilation, and a new sound system with roof-mounted speakers. A pop-up pedal returns the steering pedestal to its start position in a snap.

The ZW220-6 operator really gets down to business with the new range of controls for power, steering and loading functions. The Dash-6 transmission comes standard with two auto modes and one manual mode to adapt to the day's applications. At the flick of a switch, conveniently mounted at your fingertip, you get an instant power boost with a 10% burst in engine rpm. This new Power Mode is



available in both auto and manual ranges, providing immediate access to extra rim-pull and breakout force for digging into heavy piles or for climbing grades with a full load onboard. Power Mode also provides a faster hydraulic speed to allow quicker bucket lifts, and does it all without limiting the loader's top speed. Power Mode lets you dig deeper, faster, and deliver more payload in every cycle.

A shift-to-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.

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, as an automatic return-to-dig function resets the bucket for the next load.

Fingertip steering with EStick

Offered as an option, Hitachi's new EStick steering system is an electric control over hydraulic steering system. Steering is operated by a fingertip lever that's mounted just in front of the armrest. The EStick lever takes over from the steering

wheel to give the operator effortless fine control of the machine's movements. The electric drive does the work, while the operator can focus comfortably on positioning and moving the machine while maximizing productivity.

The best visibility in the business

A seamless front window, rounded engine cowl and redesigned ROPS frames allows Hitachi to claim the best visibility in the business. The clean 360-degree lines-of-sight highlighted in Dash-6 models are especially welcome on mid-size machines like this that often spend a lot of time in traffic. The exhaust and intake stacks of the ZW220-6 are relocated 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, away from the rounded corners of the cab. An optional proximity detection system provides audible and visual alerts for stationary and moving objects up to 20 feet from the loader.

A solid producer all day, every day

The ZW220-6 is all about working hard for long shifts. Hitachi has given due attention to its expected working conditions with a beefed-up structure, high ground clearance and a resilient cooling package. Standard equipment includes a reversible hydraulic on-demand cooling

fan, which can be activated automatically or manually. Optional aluminum wide-fin cooling cores ensure high cooling efficiency as well as extended service life free of corrosion.

A new rear grill 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.

The loading arm on the ZW220-6 features a more robust cross-tube design to resist torsional stresses. A belly guard is also available to prevent damage to the powertrain and driveshaft in the most rugged terrain.

Goodbye DPF – hello SCR

By eliminating DPF and its attendant regen cycles from the ZW220-6 power system, Hitachi now takes the industry lead in Tier 4 Final solutions for wheel loaders. Hitachi Dash-6 machines introduce a clean SCR system using a simple DEF system, designed to run efficiently without high engine temperatures and removing any 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, to make life a little easier for service techs.

An auto shutdown feature provides further savings on fuel and emissions, adding up to nearly 7% reduction in fuel cost during load-and-carry operations.

Telematics with Hitachi's Global e-Service allows ZW220-6 owners to monitor their loaders remotely for machine performance, daily operational reports, and remote diagnosis, as well as schedule maintenance dates. The results are also provided automatically in monthly email summaries, with Hitachi's ConSite program.

If this is what you are looking for from your next machine, talk to your local Hitachi dealer. ■