

# ZW-5A

## The New Hitachi Wheel Loader Series

HITACHI

Reliable solutions



Hitachi has launched the sale of the middle class ZW-5A series in South East Asia (ZW180-5A, ZW220-5A and the ZW310-5A).

With the exciting new features of the ZW-5A series, the machine is more productive, fuel efficient and maintenance is quick and easy.

*\*exact specification is subjected to changes without notice.*



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The Active Engine Control and 5 Speed Transmission enables optimum fuel consumption.

Strategically positioned sensors detect movements throughout the machine and adjust engine speed

**Fuel Saving**

ZW180-5A, ZW220-5A - 10% Fuel Saving (in comparison with the previous models).

ZW310-5A - 5% fuel savings for V cycle loading (in comparison with the previous models).

accordingly to eliminate energy losses to maximize fuel conservation. This delivers smooth, fuel-efficient operation.

The Active Engine Control System is also able to choose optimal traction power and breakout force for smooth digging while improving fuel efficiency, utilizing data collected from the sensors on the machine.

**NEW**

**Active Engine Control System for Economical Operation and Easy Control**



**Active Engine Control System for Digging**

➔ Choosing optimal traction power and breakout force

Increased operating efficiency + Reduced fuel consumption



➔ Excessive traction power by too much pedal depression

Reduced operating efficiency + Increased fuel consumption





## Simplified Maintenance with Proven Support System

The simplified engine cover, automatic reverse fan helps to keep the wheel loader as maintenance free as possible with the highest degree of performance. Moreover, all the filters / maintenance items are grouped in one side for easy inspection and servicing from the ground.

**NEW**

## 2 Selectable Work Modes: Standard and Power Modes



Standard mode is preselected and enough for ordinary work that requires constant power, such as loading. Power mode is selectable when extra power is needed.

### **A Power Mode**

Select this mode when extra power is needed, such as climbing a steep slope or getting the job done quickly.

### **B Quick Power Switch (QPS)**

Pressing the Quick Power Switch on the lever selects the Power mode. When switching forward/reverse, or when a reduction in traction is detected, the Standard mode resumes automatically. The Quick Power

## Enhanced Controllability

The Quick Power Switch provides instant power when needed with the touch of a button. Together with 2 simple operating modes and operator assist functions, the ZW-5A wheel loader learning period is at a minimal and the machine can be productive as soon as possible.

A Shift Change Delay mode is provided to avoid an excessive rise in travel speed during digging and loading and is useful in preventing low gear holding during distance traveling. When moving forward with the lift arm up, the second gear is kept for four seconds to prevent over-speeding. When reversing, the second gear is kept for five seconds. These delays to third gear help in keeping fuel consumption down\* ensuring smooth loading and enables operators to have the best of both worlds – lower gears for precise dump truck approaches and higher gears for distance travelling.

\*There is a tendency for operator to hold the machine at 1st or 2nd gear when precise control is required (approaching dump trucks or reversing after dumping). The holding of the gear tends to continue even when the operators travel between the dump truck and the stockpile. Traveling while holding at lower gears increases fuel consumption.

### Increased Productivity – ZW310-5A

With a larger bucket (4.0 m<sup>3</sup> at SG1.7) to increase payload and a faster maximum travel speed, the

ZW310-5A can perform more and in a shorter amount of time – It's definitely more productive than the previous model.

Other features that the new ZW-5A series wheel loaders offer:

- A new type of lever that suits both fingertip control and grip control.
- Clutch cut-off (adjusted by travel speed, pedal depression) function that ensures smooth and efficient truck loading.
- A restriction valve that suppresses the shaking of the machine when the lift arm stops to improve operator comfort and avoid load spills.
- A lift arm that can be automatically stopped at a pre-set level for efficient truck-loading, and bucket lowering after dumping. The operator can concentrate on traveling without worrying about the lift arm.

Equipped with many productivity enhancing features, the ZW-5A series wheel loader will surely give the owner the most return for his investment.



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