HITACHI

ZAXIS 180W

- **Rated Engine Power** : 90.2 kW (123 PS)
- **Operating Weight** : 17 100 - 19 300 kg
- **Backhoe Bucket** : 0.51 - 1.20 m^3

Futuristic Performance

High Productivity

- Heavy operating weight.
- 90.2 kW (123 PS) powerful engine.
- 116 kN (11 800 kgf) bucket digging force.
- 99 kN (10 100 kgf) arm digging force.
- Big lifting capacity and high stability.

Enhanced Operator Comfort

- Low noise and vibration in cab.
- Auto control air conditioner.
- Double slide seat.
- Tiltable steering wheel.

Safety

- CRES (Center pillar Reinforced Structure) cab.
  ** The CRES cab meets OPG top guard level (ISO).*

Lower Running Costs

- New HN bushing.
- Reinforced D-type frame.

Lower Maintenance Costs

- Extended lubrication interval for front joint section.
- Extended replacement interval for hydraulic oil filter.

Environmental Friendliness

- Emission control engine.
- Lead free design.

Notes :

1.Never leave the front attachment in a raised position. Make sure the front attachment is lowered to the ground before leaving the equipment unattended. (Some of the pictures in this catalog show an unmanned machine with attachments in an operating position. These were taken for demonstration purposes only and the actions shown are not recommended under normal operating conditions.)

2.Caution plates on the machine will vary according to country.

3.Photos include optional equipment.

Dozer blade

- Parallelogram blade for large vertical movement.
- Bolted blade and outriggers for easy replacement.

ZAXIS
uses advanced technology to
reduce costs while
working faster.

Smarter & Faster.

All Excavating Operations in a Single Mode
Simply select the "digging" mode for smooth and speedy front operations.

Operating Weight
(with 2-piece boom and 4 outriggers) **19 300 kg**

High Power Engine **90.2 kW (123 PS)**

Excavating Power for Tough Job Site
(with 2-piece boom and 2.25 m arm)

Bucket digging force : **116 kN (11 800 kgf)**

Arm crowding force : **86 kN (8 780 kgf)**

Big Lifting Capacity and High Stability


HITACHI
ZAXIS
180W
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ZAXIS
180W

ZAXIS

Minimum Effort. Maximum Efficiency.

Operator's compartment is designed for both comfort and operating efficiency.

Easy-to-Monitor Instruments

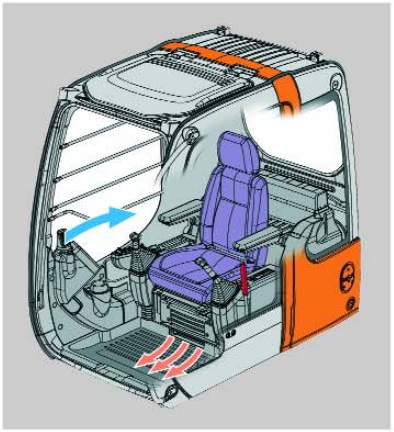
Strategically positioned instruments allow the operator to monitor the status of key areas with just a glance.

Easy-to-Operation

Switches and other essential controls are located near the operator. This helps keep operator movement to a minimum, enhancing control and minimizing fatigue.

Auto Control Air Conditioner

Simply set the temperature and forget about it. Ducts are positioned to promote even air flow throughout the cab.



* Illustration shows a sample of the air flow during bi-level control.

Double Slide Seat

The suspension seat can slide independently, or integrally with the control lever, to accommodate operator build.

Seat

Seat with control lever

Tiltable steering wheel

The steering wheel column can be tilted to suit operator build.

Comfort Increased to Reduce Operator Fatigue

D-type frame and rigid cab bed work together with the silicone-filled rubber cushions to reduce noise and vibration. Lower noise and vibration contribute to less operator fatigue.

Travel direction mark

Large size transparent roof
(EC approved)

Easy-to-read instruments and
easy-to-operate switches

- Storage box
- Easy-lock front window latch
- Wide and comfortable arm rests

Drink holder

Light-touch joystick lever

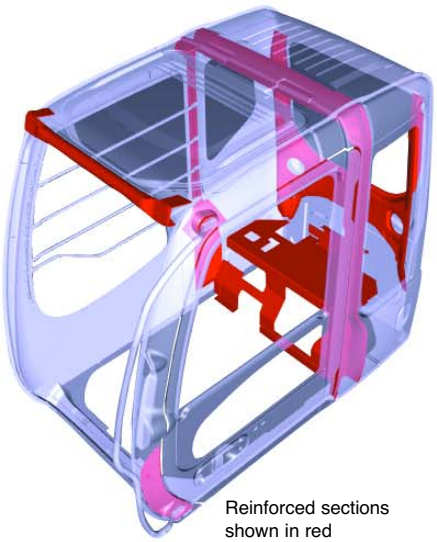
Protect & Serve.

A design that both guards the operator and contributes to efficient operation.

CRES (Center pillar Reinforced Structure)

** The CRES cab meets OPG top guard level (ISO).*

The cab is designed with "just in case" protection for the operator in mind. The rigid cab design can help to reduce any potential for injury to the operator in the event of an accident.



Reinforced sections shown in red

Functional & Durable.

Extensive steps have been taken to support basic performance and overall durability.

Lower Running costs

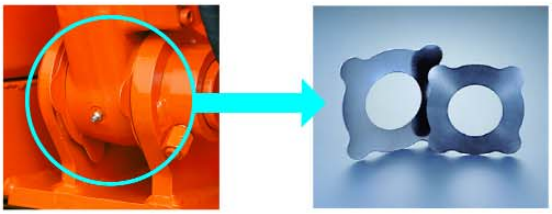
1. Reinforced resin thrust plates used for front sections
2. Reinforced D-type frame
3. Reinforcing rib for door covers
4. Flanged pin is used for the boom/arm joint sections and the boom foot section
5. New HN bushing used for front sections
6. WC thermal spraying for arm and bucket joint sections
7. Bucket joint pins lubricated through bosses
8. Increased arm plate thickness

New HN Bushing

Reducing wear of pins and bushes.

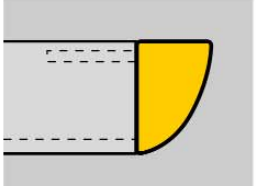
Reinforced Resin Thrust Plates

Designed to reduce noise and resist wear.



Reinforced D-type Frame

Rigidity of main frame on standard version is increased, support heavier front attachment and counterweight.



WC (Tungsten Carbide) Thermal Spraying

Used at arm end and bucket connection to increase wear resistance and reduce jerking.

Aluminium Radiator, Oil Cooler and Inter-Cooler

Increased corrosion resistance.

ZAXIS

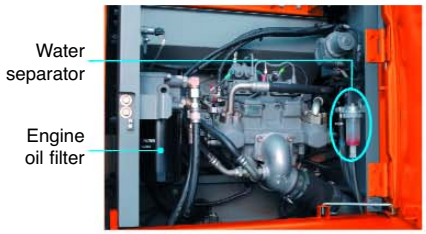
Smart Savings.

Advanced technology helps reduce maintenance cost.

500 Hours Between Lubrication for Bucket Joint Section and Front Sections

The use of the new HN bushing and WC thermal spraying process have helped dramatically increase the period between lubrication.
(See the Operators Manual)

Engine Oil Filter and Water Separator Positioned for Easy Access from Ground



Hydraulic Oil Filter Only Needs Replacement Every 1000 Hours

The hydraulic oil filter can be used nearly twice as long as the previous model dramatically reducing maintenance time and expense.

Notes :
The photo shows a cover opend at the time of the inspection.
Be sure to close the cover at the time of the operation.

Labeled plastic parts

ZAXIS

Environmentally Friendly Design.

Helping ensure a cleaner tomorrow.

Labeled Plastic Parts

The type of plastic used in various parts is imprinted on them to facilitate easy recycling.

Low-Noise Operation

A low-noise muffler and other such steps have been taken to reduce the amount of noise released from the engine compartment.

Emissions Control Engine

Conforms to U.S. EPA Tier 2 and EC Tier 2 emission regulations.

Lead-Free Wiring and Aluminium Radiator and Oil Cooler

Helps keep harmful materials out of the environment.

■ **Equipment Operation Status Report**

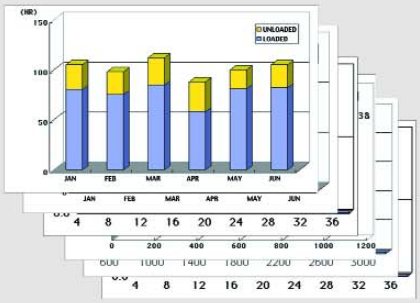
ZAXIS

Information Technology Support.

Providing the data for making the right decisions.

Information Services for Equipment

- Operation record
- Error record
- Alarm record
- Frequency distribution
- Radiator coolant/hydraulic temperature etc.



MEMO

These specifications are subject to change without notice.
Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.
Before use, go through Operators Manual for proper operation.

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