

Zaxis85US SERIES

Short-Tail-Swing Version

HITACHI

Zaxis 85 US

- **Rated Engine Power** : 40.5 kW (55 PS)
- **Operating Weight** : 7 100-7 600 kg
- **Backhoe Bucket** :
SAE, PCSA Heaped : 0.13-0.33 m³
CECE Heaped: 0.12-0.29 m³



TOUGH, TIGHT

SHORT-TAIL-SWING ZX85US

High Productivity

A truly high-performance machine

- 11% more travel power. (compared to former model): 5.0 km/h travel speed.
- 10% more swing power. (compared to former model)
- Rear-end swing radius: 1.21 m.
- (540 mm less than ZAXIS70)
- Faster front operations.
- Superior stability.
- Wide range of applications.
- 3 service ports (valves) as standard equipment.

Lower Running Costs

Stronger structural component design

- Increased wear resistance of bucket joint: WC thermal spraying.

Lower Maintenance Costs

Reduced maintenance time and expense

- Extended time between bucket joint section lubrications.
- Easy maintenance.
- Extended replacement interval for hydraulic oil filter.
- (Every 1 000 hours)

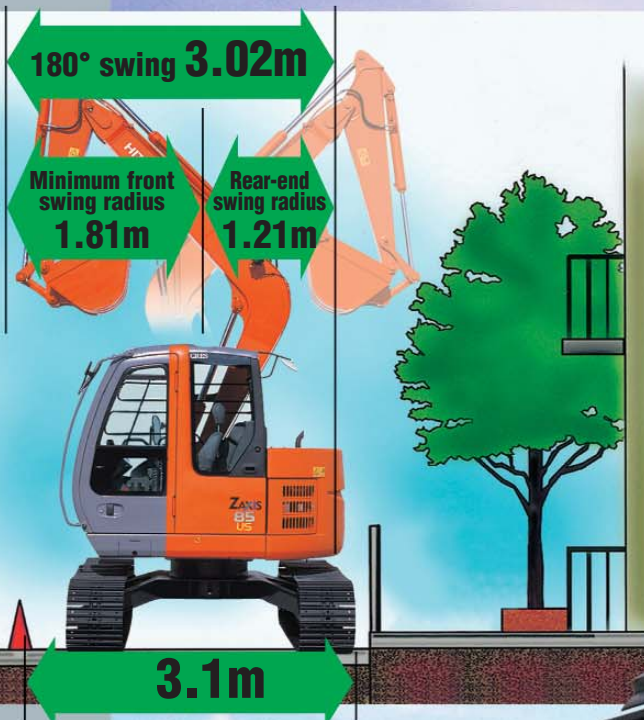
US-exclusive CRES Cab

(Corner Reinforced Structure)

Provides excellent operator comfort

- * The CRES cab meets OPG top guard level 1 (ISO)
- Low noise and low vibration in cab.

Can operate in
3.1m traffic lane



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.

HITACHI-US

SMART & RUGGED





Wide Range of Job Applications

Operates in Tight Job Sites

The ZAXIS85US can operate in tight job sites due to its reduced rear-end swing radius, 540 mm shorter than ZAXIS70.

Swing Power You Can Depend On (compared to former model)

Utilizes an independent swing circuit and new shock-resistant mechanism. This enhances the multiple function operability and applicability to allow for rhythmical slope tamping and compacting operations.



Faster Front Operations (compared to former model)

The arm circuit uses a new combination of 3 pumps to provide not only independent speed but also increased speed during leveling operations as well.



Improved productivity / Shorter work time

FUTURISTIC POWER



Urban road construction

Wrecking

-540mm
Compared to ZAXIS70



Increased Stability (compared to ZAXIS70)

The large undercarriage and solid cast counterweight help boost stability.

8% increased to the front,
12% increased to the sides



Overall crawler length 2 920mm

Overall crawler width 2 320mm



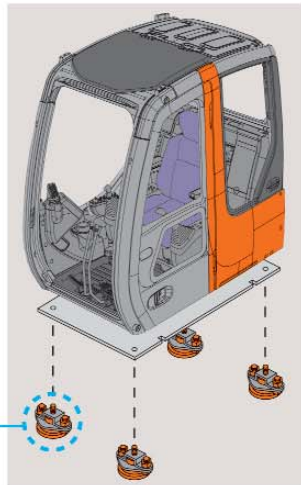
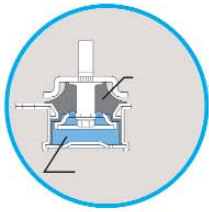
Comfort

FUTURISTIC SPACE CREATES COMFORT



Comfort Increased to Reduce Operator Fatigue

A reinforced track X-frame, 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.



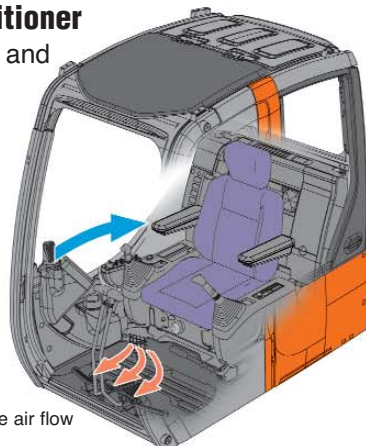
One-glance Monitor Panel



Well-positioned Switches

Auto Controlled 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.



Easy lock front window latch



Storage box



Slide window



Drink holder

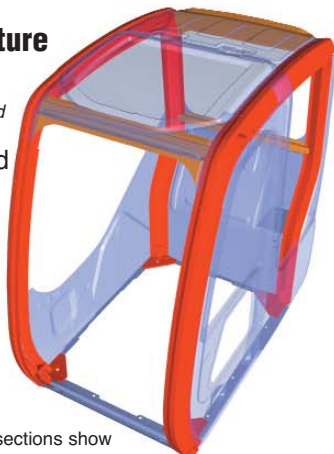


SAFETY

Corner Reinforced Structure (CRES) Cab

* The CRES cab meets OPG top guard level 1 (ISO)

This cab structure is formed from strong steel pipes to help it withstand external forces.



Red sections show reinforced areas.



Pilot-control shut-off lever



Seat belt



Left side rearview mirror



Right side rearview mirror

Easy maintenance and high durability

FUTURISTIC FUNCTIONS KEEP COSTS DOWN



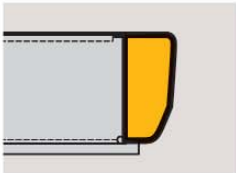
Lower running costs

Smart Advanced technology helps reduce maintenance costs Saving

Strong Upper Structure Supports Tough Operations
Reinforced main frame (D-Type) is used.

500 Hours Between Lubrication for Bucket Joint Section and Front Sections (Compared to former model)

The use of the WC thermal spraying process has helped dramatically increase the time between lubrication. (See the operators Manual.)

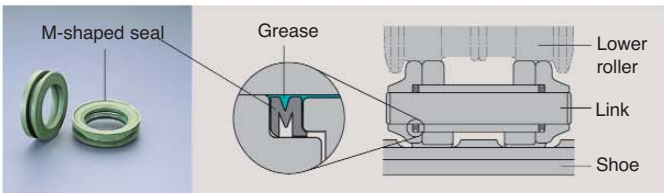


Increased strength

Bucket component lubrication 100 ➤ 500 hours

* Estimated values. The actual time between lubrication will vary according to actual work conditions.

Hydraulic Oil Filter Only Needs Replacement Every 1000 Hours



Longer Track Link Service Life
The M-shaped track link seal is used to enhance grease retention.

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

1 000 hours between hydraulic oil filter replacement

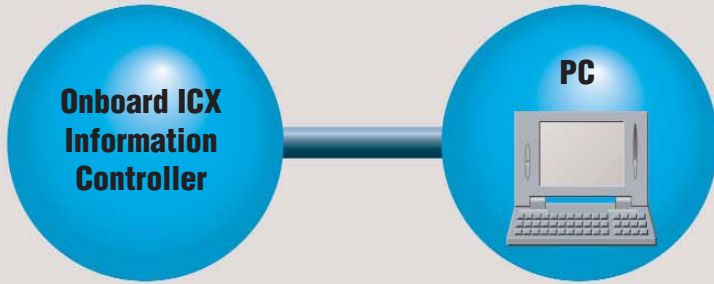


WC (Tungsten Carbide) Thermal Spraying
Used at arm end and bucket connection to increase wear resistance and reduce jerking.



Undercarriage Designed for Easy Mud Removal

■ Equipment Operation Status Report

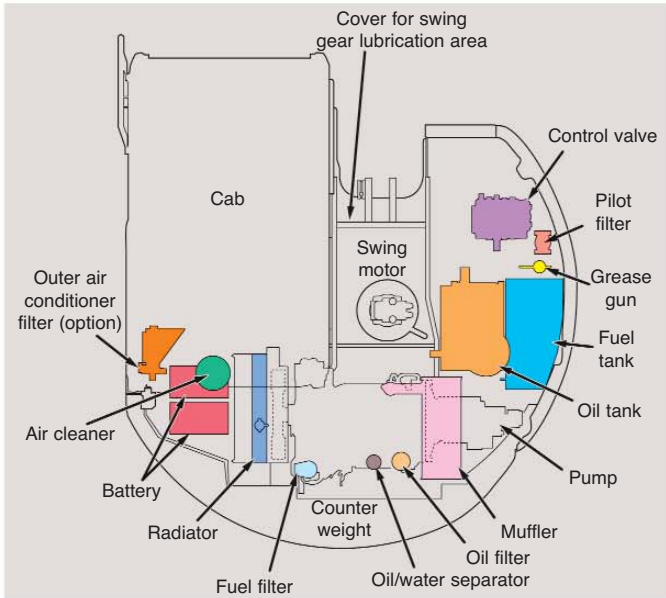
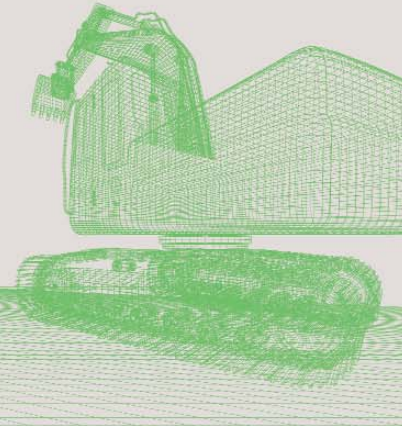
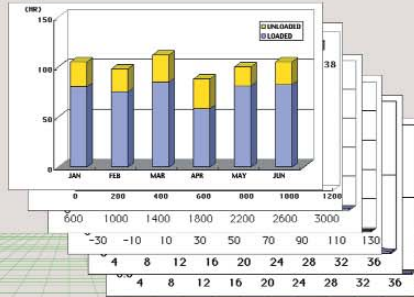


INFORMATION TECHNOLOGY SUPPORT

Providing the data for making the right decisions.

Information Services for Equipment

- Operation record
- Error record
- Alarm record
- Frequency distribution
- Radiator coolant etc.



Environmentally Friendly



- **Labeled Plastic Parts**
The plastic parts indicate the type of plastic used to help speed recycling.
- **Lead-free Wiring**
- **Aluminium Radiator and Oil Cooler**

Servicing Access is at Ground Level to Speed Inspection and Maintenance



A wide maintenance area helps speed crucial inspection and repair operations.

- Tool box
- Grease gun

Convenient space for storing tool box and grease gun.



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

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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.

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