

# ZAXIS350



## HYDRAULIC EXCAVATOR

Model Code : ZX350-5B / ZX360LC-5B / ZX350H-5B / ZX360LCH-5B

Engine Rated Power : 202 kW

Operating Weight : ZX350-5B : 32 600 - 33 800 kg

ZX360LC-5B : 33 300 - 34 500 kg

ZX350H-5B : 34 600 - 35 400 kg

ZX360LCH-5B : 35 300 - 36 100 kg

Backhoe Bucket ISO Heaped : 1.15 - 1.86 m<sup>3</sup>



# WALK AROUND

## CONTENTS

### 4-5 Performance

Enhanced power, torque and speed ensure the optimum performance of every Hitachi machine.

### 6-7 Productivity

The new ZAXIS have a high impact on efficiency but a low impact on the environment.

### 8-9 Comfort

The cab of the new ZAXIS provides a safer and comfortable work space.

### 10-11 Durability

Hitachi is renowned for manufacturing high-quality machines that can meet the demands of the toughest job sites.

### 12-13 Maintenance

Easily accessible features for cleaning and routine maintenance maximise the availability of the ZAXIS 350.

### 14-15 Hitachi Support Chain

A wide range of after-sales services and support options is available to all our customers.

### 16-24 Specifications

#### Lower fuel costs

The TRIAS hydraulic system reaches higher yields with better fuel consumption than the previous ZAXIS model.

#### Added durability

The strengthened brackets on the boom end and foot are equipped with bushings to withstand rugged environments.

#### Faster movement

The arm recirculation cancel and hydraulic boosting systems increase the arm speed during operation.

#### Enhanced versatility

Two additional spools in the control valve allow for the easy installation of attachments.



**ZAXIS** Empower your Vision.



The design of the new Hitachi ZAXIS 350 medium excavator is inspired by one aim – empower your vision. It delivers on five key levels: performance, productivity, comfort, durability and reliability. We recognise that fleet owners require high-quality, efficient machines that can work effectively, even in challenging conditions. We also realise that operators need a safer, user-friendly work space, and a machine that can respond to their skills with speed and precision. And to achieve a satisfying result, on time, on budget and to a high standard, we have aimed to maximise availability of the new ZAXIS 350 with easy maintenance features and the Hitachi Support Chain after-sales programme.

#### **Expanded leg room**

The seat and console can slide further back on the new ZAXIS, providing a more comfortable working environment for the operator. The right side console has been ergonomically re-designed.

#### **Ultimate comfort**

The heated air suspension seat is ideal in cold climates and absorbs vibration during operation minimising operator fatigue.

#### **Easily accessible information**

The large multi-function LCD monitor screen is easy to view in bright sunlight or darkness and provides technical data.

#### **Quick and easy service access**

The air conditioning condenser can be easily opened for cleaning the condenser and radiator. Inspection parts are conveniently located.



NOTE : The photo in this brochure show excavators with optional equipment.





# PERFORMANCE

The all-new ZAXIS 350 medium excavator provides the ultimate in performance. Our engineers have assessed the machine's every component to ensure that it always carries out its tasks to the highest standard. Benefiting from enhanced power, torque and speed, as well as reduced running costs, you can be assured that the ZAXIS 350 is the ideal choice for any earth-moving or construction project.





# Enhanced power and speed set a new standard on the job site



## Lower fuel costs

Winning tenders and meeting production targets are highly competitive processes for you to develop your business. The choice of construction machinery is of paramount importance and your success relies on the productivity and efficiency of your equipment. This is where our new TRIAS hydraulic system comes into its own.

The latest advanced hydraulic and electronic technologies are central to our goal of delivering a significant saving on fuel costs with the new low-emission engine. We are delighted that TRIAS hydraulics allow you to achieve 5% less fuel consumption in PWR mode – than the previous ZAXIS P-mode – while maintaining a high level of productivity at the same time\*.

Furthermore, a reduction of 15% in fuel consumption is also possible in ECO mode\*. This still delivers a relatively high level of productivity using the same amount of fuel.

## Higher level of performance

A smooth, fast and precise machine is every operator's dream – and that's exactly what the ZAXIS 350 offers. Our latest innovations have been developed specifically for the new generation of Hitachi medium excavators.

The hydraulic boosting system and other hydraulic systems enable the arm roll-in speed to increase when the load is relatively low. Our tried-and-tested power-boost feature has also increased by 10%\* to deliver an enhanced level of excavating performance and lifting power.

The versatility of the ZAXIS 350 may be evidenced by the attachment support system, with 11 modes that can be registered on the monitor for the easy fitment of different attachments. These two auxiliary spools are useful for attachments that require multiple, large volumes of oil flow.

Larger digging force allows efficient extraction of hard or compacted material.

*\* Based upon typical work pattern collected via Global e-Service*

## Key features

- 5% reduction in fuel consumption (PWR mode vs ZX-3 P-mode)\*
- 15% reduction in fuel consumption (ECO mode vs ZX-3 P-mode)\*
- New TRIAS hydraulic system higher productivity and less fuel consumption

- Attachment support system
- Power-boost
- Increased lifting capacity
- Larger swing power and digging force
- Two additional spools



# PRODUCTIVITY

The new ZAXIS 350 medium excavator has been designed with the environment in mind. Built to comply with the latest EU regulations on emissions standards, the machine helps to reduce your carbon footprint while still maintaining productivity on the job site. With a wide range of eco-friendly features, you can rely on the ZAXIS 350 to have a positive impact on efficiency while ensuring an immediate return on your initial investment.





# Striking a balance between powerful and sustainable efficiency



## Sustainable efficiency

We are dedicated to the sustainable development of the Hitachi product range, particularly for use on urban job sites. Therefore, the new ZAXIS 350 is a sign of our commitment to minimizing the impact of construction machinery on the environment in compliance with EU emission control Stage IIIB.

The ZAXIS 350 has been fitted with a muffler filter to capture air pollutants, which is automatically burnt thanks to an oxidation catalyst and exhaust temperature control. The variable geometry turbocharger and high volume-cooled EGR (Exhaust Gas Recirculation) also help to reduce nitrous oxide levels.

As well as reducing emissions, the ZAXIS 350's Auto Shut-down helps to prevent fuel wastage and lowers the level of noise in the cab.

In addition, all resin parts on the new ZAXIS medium excavator range are suitable for recycling and clearly marked for ease of use in this process.

## Powerful efficiency

We are also focusing on finding the right balance between people, planet and profit. So, we have assessed the total cost of ownership for the new ZAXIS 350 to ensure that your new machine contributes to the profitability of your business.

The powerful new-generation Stage IIIB-compliant engine in the ZAXIS 350 delivers higher productivity, with greater fuel efficiency and is fitted with state-of-the-art controls throughout all of the components. The TRIAS hydraulic system has also been developed to reach higher yields with better fuel consumption than the previous ZAXIS model.

Hitachi medium excavators are renowned for their powerful and reliable performance, especially when there are daily targets and ultimate deadlines to meet on busy job sites. The latest range of ZAXIS models have been designed for increased productivity without burdening the environment through sustainable operations.

## Key features

- |   |  |
|---|--|
| ■ Powerful and sustainable                        | ■ TRIAS hydraulic system – fuel efficiency and higher productivity |
| ■ Stage IIIB-compliant engine                     | ■ Environmentally friendly design                                  |
| ■ Muffler filter that captures particulate matter | ■ Auto Shut-down – fuel saving for carbon dioxide reduction        |
| ■ Variable geometry turbocharger                  |  |
| ■ High volume-cooled EGR system                   |  |



# COMFORT

We believe that comfort and safety is the key to productivity. We consulted with our customers from all over the world to ensure that the ZAXIS 350 medium excavator exceeds the expectations of those who matter the most – the operators. The new model offers an all-round comfortable working environment, enhanced visibility and a wide range of user-friendly features to set it apart from the competition.





# Inside and out, the new ZAXIS medium excavators lead the way



## From the comfort of the cab

After a long shift on a road construction site or in the quarry, you need to feel ready to enjoy the rest of your day. Hitachi has taken the lead in operator comfort with the new ZAXIS 350, so that you can do just that.

The adjustable air-suspension seat features a new sliding mechanism with the capacity to be moved back further than ever before. The space underneath the monitor has also been expanded to allow for more leg room. The pressurized cab keeps dust and particles from entering.

## All-round visibility

Busy construction sites demand your full attention to avoid unnecessary damage or health and safety issues. The enhanced visibility – especially down the right-hand side of the new ZAXIS – will also save you time (and money), thanks to the latest innovations from Hitachi.

The repositioning of the monitor and door enhances your view, as well as making access to and from the cab much easier. The latest rear-view camera offers a closer view of the counterweight to reduce the blind spot.

## User-friendly functionality

Hitachi has invested heavily in the advanced technology inherent within the new ZAXIS. The power remains firmly at your fingertips thanks to the functionality of the colour monitor and ergonomic controls.

The new multi-function LCD monitor has a large seven-inch screen that is easy to view. It provides a wide range of useful technical information, including a clear indication of the machine's status and settings with multi-lingual support in up to 32 languages. The monitor and ergonomically designed switches have been grouped together within easy reach of your right hand. The proportional switch in the new, optional, auxiliary function lever allows easy control of the front attachment.

## Enjoy your work

Time flies when you're having fun, but we also realise that a happy operator is also a more productive one. That's why we have renewed our focus on providing a relaxed and enjoyable working environment within the cab.

The controls for the AM/FM stereo radio are now adjustable from the colour monitor. An auxiliary terminal has also been added to the sound system, so that you can work efficiently and smoothly to your favourite music via devices such as MP3 players and the inclusion of storage for an MP3 player.

## Key features

- High-spec ROPS pressurised cab
- Enhanced visibility
- New colour LCD monitor
- Easily accessible real-time information

- Expansive leg room
- Ergonomically designed control panel
- Auxiliary terminal and storage for an MP3 player





# DURABILITY

Hitachi is regarded as a market leader in high-quality construction machinery. We have more than 40 years experience in the manufacture of mechanical and hydraulic equipment and our ZAXIS medium excavators, including the new ZAXIS 350, are designed to withstand some of the toughest working environments. Our advanced technological approach enables us to offer complete solutions to meet your requirements.





# Build to conquer tough working environments



## Durable parts

The new ZAXIS 350 has been designed to operate in the most challenging of working conditions. Tough job sites require reliable machines, which deliver increased levels of availability and productivity. The bottom line is that you will enjoy a lower cost of ownership thanks to the durability of our medium excavators.

The strengthened boom end and foot on each new ZAXIS 350 are good examples. The brackets on the boom end and foot have been equipped with bushings to enhance their durable characteristics and withstand the rigours of long hours in rugged environments.

A filter-type high-performance water separator is provided standard. It captures moisture in fuel, even from fuel which contains a large amount of moisture.

## Reinforced undercarriage

The front idler and adjuster cylinder have been reinforced on the ZAXIS 350 for added durability. In addition, mud no longer sticks to the adjuster cylinder.

Reliability has been further addressed with increase in the welded section parts that comprise the X-beam. The travel motor brackets' upper and lower plates have been extended, which has delivered a 40% reduction in stress.

## ROPS-compliant cab

The pressurised and ROPS-compliant CRES V (Center pillar reinforced structure) cab prevents the penetration of dust and protects you from the potential risks of the job site. The Roll-over Protective Structure (ROPS) is designed to protect the operator in the unlikely event of the machine tipping or rolling over.

## Key features

- Proven Hitachi quality
- More than 40 years of expertise
- Strengthened front attachment
- Reinforced undercarriage



# MAINTENANCE

Hitachi construction machinery is renowned for its quality and reliability and is often operated in the most remote and toughest job sites around the world. Wherever you use your ZAXIS 350 medium excavator, you can be assured of the highest levels of availability, regardless of location, as well as a range of easily accessible features for routine cleaning and maintenance.





# Keep working for longer thanks to user-friendly accessible features



## Easy access

We have made life easier for you by introducing a range of convenient features integrated within the new ZAXIS range of medium excavators. Our engineers have assessed your requirements and integrated a number of time-saving factors for routine maintenance.

Using the technology within the multi-function LCD monitor you can check engine oil volumes and see the warning light that appears when the hydraulic oil and fuel filters are due for replacement. In addition, you can set the routine service schedule to help prevent breakdowns each time the ignition switch is turned on.

On the exterior of the ZAXIS 350, the air conditioning condenser can be easily opened for cleaning the condenser and radiator. Severe blockages can also be cleared by blowing air through the convenient one-touch openable upper cover above the radiator.

From ground level, you can replace the fuel filters, engine oil filter and air cleaner, and other work is aided by non-slip steps for easy access to the upper structure of the machine.

## Easy cleaning

We believe that easy routine maintenance enhances the levels of productivity and availability for your machine. That's why we have designed the ZAXIS 350 with a series of convenient and quick solutions, so that you can enjoy long, trouble-free days on the job site.

The interior anti-dust filter is a good example of these initiatives. It has been placed on the outside of the air conditioning condenser and fuel cooler. The oil cooler has been placed separately.

## Key features

- Global e-Service monitors muffler filter
- Daily checks from ground level
- Oil volumes checked from the operator's seat
- Quick and easy service access



# SUPPORT CHAIN

As soon as you become a Hitachi customer, you can rely on first-class after-sales service from your authorised dealer. Hitachi provides extensive support to each of the dealers within the Australian network, so that they can ensure your ZAXIS 350 continues to meet your requirements and exceed expectations. To further protect your investment in Hitachi construction machinery, we have introduced the Hitachi Support Chain after-sales programme. This gives you the flexibility to create a tailor-made service plan from the following key-areas, “links” in the chain of service available from Hitachi via your local dealer.

