

# Hitachi introduces ZX225US-5 medium excavator

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The Hitachi ZX225US-5 medium excavator will be among the main attractions on the Hitachi Construction Machinery (Europe) stand at Intermat. More compact than conventional models and with a short-tail swing radius, the machine is suitable for working on a wide range of job sites, particularly where space is limited. These include earthmoving and construction projects, particularly in urban areas, as well as road construction, forestry and demolition applications.

The new ZX225US-5 has been developed by Hitachi using feedback from owners and operators of its construction machinery around Europe. It incorporates a variety of features to meet the needs of customers in terms of sustainability, productivity, versatility, comfort and safety, and easy maintenance.

Like all new Zaxis-5 models, the ZX225US-5 is a high-quality, efficient machine capable of working in challenging conditions. It manoeuvres smoothly and precisely, and provides a safe and user-friendly working environment for operators. Thanks to a range of easy maintenance features, it delivers a high level of availability and keeps downtime to a minimum.

Hitachi is committed to minimising the impact of its construction machinery on the environment, so **sustainability** was an important consideration during the design of the ZX225US-5. It complies with the latest EU regulations on emission standards, but without compromising on efficiency. The powerful new-generation Isuzu Stage IIIB-compliant engine, for example, delivers higher productivity with greater fuel efficiency. The auto shutdown and auto idle features prevent fuel wastage and reduce noise levels, exhaust emissions and CO<sub>2</sub>.

The ZX225US-5 delivers high levels of **productivity** on the job site due to the TRIAS hydraulic system, which allows for faster operation with lower fuel consumption than the previous Zaxis-3 model. The auto power boost function has also been increased by ten per cent for an enhanced excavating performance.

The **versatility** of the ZX225US-5 is highlighted by the attachment support system, which has 11 modes that can be registered on the monitor for ease of use with different attachments. The two auxiliary spools are useful for attachments requiring multiple and large volumes of oil flow.

With enhanced visibility, particularly down the right hand side of the Zaxis-5 model, the operator can work in **comfort and safety** on the busiest construction sites. The repositioning of the monitor and door has enhanced the view and also made access to and from the cab much easier. The rear-view camera offers a

closer view of the counterweight to minimise the blind spot.

Like all Zaxis-5 machines, the ZX225US-5 has several features for **easy maintenance** to ensure high levels of availability. Using the technology within the new multi-function LCD monitor, operators can check the machine's status and settings at a glance. Fuel and engine oil filters can be replaced at ground level, and non-slip steps allow easy access to the upper structure of the machine for other maintenance work.

The ZX225US-5 was created by a team of 200 engineers at the Design Centre at Hitachi Construction Machinery Co., Ltd. (HCM) in Japan. Yusuke Kajita, General Manager of HCM's Construction Equipment Development Centre, says: "The environment was an important development issue in the design of the Zaxis-5 models. Therefore, we have complied with strict engine, noise and safety regulations with the new Zaxis-5 range, in order to help secure a better environment for operators and society in general."

## Specifications

### ZX225US-5

Engine rated power 122kW

Operating weight 24,200 - 28,300kg

Maximum digging reach 10,110mm (at 2.91m arm length with mono boom)

Maximum digging depth 6,620mm (at 2.91m arm length with mono boom)

Bucket digging force 158kN

Source: Red International Communication