

Efficiency reimagined, the next generation Cat[®] 321, 322 and 324 excavators provide more reliable, fuel-efficient and low-cost operation

- Reinforced structures, Cat[®] engine and proven Cat components for the Cat 321 deliver long-lasting durability
- The Cat 322 pairs fast cycle times with bucket options to move more material in fewer passes while consuming less fuel
- Built for high-production workloads, the Cat 324 delivers a balance of brute strength and refined control

IRVING, Texas, December 10, 2025 – Caterpillar launches the next generation design for the Cat[®] 321, 322 and 324 models, built to deliver high performance, long-lasting durability and increased fuel efficiency. An advanced electrohydraulic system provides accurate bucket control, resulting in maximum precision. Extended, synchronized service intervals plus reinforced structures help to improve machine uptime availability and lower operating costs. These excavators are specifically designed for and manufactured in India, incorporating insights from customers throughout the country.

“The next generation Cat excavators are designed to solve our customers’ toughest challenges. Each model delivers increased customer value by catering to their most critical requirements, whether it be highest productivity, lowest fuel consumption or balanced efficiency,” says Gurman Reen, Caterpillar sales manager for India. “Equipped with advanced engines, these new excavators deliver enhanced machine performance, boosting productivity while significantly improving fuel efficiency. Fuel consumption is now easily monitored via Cat Product Link[™], enabling better operational insights. These machines feature three selectable work modes – Power, Smart and Eco – allowing operators to tailor performance to the task at hand and maximize fuel efficiency.”

Fuel efficient performance

Offering improved fuel efficiency, the Cat 3.6 engine powering the new Cat 321 and electrohydraulic system work together to help move material while using less fuel. Boom and stick regeneration circuits further reduce fuel consumption while improving cycle times. Reliable and durable, the 321 is built on proven components, and its strong X-structure lower frame carries loads from the excavators’ upper structure to the track.

Versatile, high production

Increased swing torque delivers seamless operation for the new Cat 322 while truck loading and trenching.

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New Product Introduction

Operators dig and lift from a stable platform created by its 4000 kg (8,820 lb) heavy-duty counterweight and eight-roller undercarriage. Powered by the efficient C3.6 engine, the 322 offers customers a choice between two robust undercarriage options – standard 4.1 m (13.4 ft) or medium 4.25 m (13.9 ft) – both built to withstand demanding applications. Increasing 322 versatility, the excavator design offers a choice of General Duty bucket options of 1.2 m³ (1.57 yd³) or 1.14 m³ (1.49 yd³) for earthmoving projects. For working in the quarry, the machine's 1.1 m³ (1.44 yd³) Severe Duty bucket is engineered to provide long life handling rock, gravel and abrasive materials.

Move more material

The new high-production 324 excavator moves more material in earthmoving applications with its large 1.4 m³ (1.83 yd³) General Duty bucket. A size-class exclusive, the 1.3 m³ (1.70 yd³) Severe Duty bucket enables the machine to be more productive for quarry applications. Supporting versatile, high-productivity performance across a range of demanding applications, the 324's long, 4.45 m (14.6 ft) undercarriage delivers excellent stability. A 4550-kg (10,030-lb) heavy-duty counterweight and heavy-duty eight-roller undercarriage deliver a stable platform for digging and lifting.

Reliable, efficient performance

Cat excavator design and manufacturing techniques, built on proven components, extend service intervals. Reinforced structures and upgraded carriages improve stability and durability for the new 321, 322 and 324. Reducing downtime, their sloped track frame helps prevent mud and debris accumulation, while the center track guiding guard helps keep the track aligned when traveling and working on slopes. Dissipating stress throughout the base of the excavator, a single-plate X-shaped box-section car body provides excellent resistance to torsional bending.

The latest single-plane cooling package reduces air resistance compared to traditional two-plane designs for better cooling performance and enhanced machine productivity. Equipped with an electrohydraulic control valve, pump and Engine Control Module, these next generation excavators provide smooth, precise operation in every pass with high fuel efficiency. The Positive Flow Control electrohydraulic system balances power with fuel efficiency and automatic engine speed control during no- or light-load conditions automatically reduces engine speed to minimize fuel consumption.

Simple to operate

Operators quickly start the engine with a push button, and the new in-cab, high-resolution 203-mm (8-inch) touch screen monitor offers easy-to-use, intuitive operation. Continuously improved, the user interface provides intuitive navigation, minimizing performance interruption, and the low-effort joystick controls, offering customizable joystick patterns and preferences, which help the operator's experience. Standard auto-hammer-stop protects tools from overheating and wear, increasing longevity.

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Providing a quieter work environment, the new generation cab design features sound suppression, seals and viscous cab mounts to decrease noise and vibration. Standard automatic climate control helps to keep operators comfortable by maintaining a consistent cab temperature. Controls positioned in front of the operator help deliver comfortable machine control, while the adjustable seat offers three suspension levels and ergonomic design.

Low maintenance, excellent safety

These new models are designed with safety and simplicity with a convenient work platform for routine service and maintenance items to be completed by technicians. Saving on maintenance costs, service intervals are extended and synchronized, while the first engine oil change interval is now increased to 500 hours. Five-hundred-hour Cat filters are designed to help smooth and contamination-free filtering. A standard electric priming pump reduces the risk of contamination by preventing unfiltered fuel from entering the fuel system, eliminating the need to manually prime the fuel system after filter changes.

The Cat cab design offers excellent visibility from the operator's seat and includes two standard mirrors to keep operators aware of their surroundings. Customers can choose the optional rearview camera to further enhance visibility behind the excavator and an available ISO 15818:2017-compliant Rollover Protective Structure (ROPS) for additional operating safety. Further enhancing excavator servicing safety, a lockable disconnect switch isolates the battery to disconnect the electrical energy.

More information on the new Cat 321, 322 and 324 excavators can be found by contacting a Cat dealer or visiting cat.com.

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New Product Introduction

NOTE TO EDITORS

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