

# Meet the Cat<sup>®</sup> 3101 Hydraulic Excavator – A Proven Production Machine Purpose-Built for Coal Mining in China

- Turns payloads into prosperity with large stick-to-bucket boss diameter bearing and bucket compatibility from 8.5 m<sup>3</sup> (11.1 yd<sup>3</sup>) GD bucket up to 10m<sup>3</sup> (13.08 yd<sup>3</sup>) coal bucket.
- The Cat 3101, with the proven, simplified Cat<sup>®</sup> C18TTA engine, meets China Nonroad Stage III emission standards.
- It is equipped with the Next Generation Deluxe cab, which features wide safety windows and small cab pillars, helping provide premium work task visibility.

**IRVING, Texas, March 5, 2025** – The Cat<sup>®</sup> 3101 Hydraulic Excavator is a purpose-built machine for coal mining that helps customers meet production targets, deliver on commitments, meet deadlines, and maximize profitability every shift. Equipped with the proven Cat<sup>®</sup> C18TTA engine that delivers 568 kW (762 hp) of power, the Cat 3101 meets China Nonroad Stage III emission standards, has a 4460 mm (14 ft 8 in) wide track gauge, and has powerful swing torque. This provides superior stability while efficiently handling changes in momentum, uneven terrain, and consistent high-impact connections.

“The 3101 helps operators make their work swift and precise,” said David Wang, China’s market professional for Caterpillar’s large excavators. “This machine is optimized for the operator, providing high productivity, low operating costs, and ultimate comfort with the deluxe next generation cab.”

## Turns Payloads into Prosperity

Equipped with a large stick-to-bucket boss bearing diameter to easily handle demanding applications and help boost productivity. Customers can turn payloads into profit with the 3101’s bucket compatibility from 8.5 m<sup>3</sup> (11.1 yd<sup>3</sup>) GD bucket up to 10 m<sup>3</sup> (13.08 yd<sup>3</sup>) coal bucket. Designed for the 3101, the 10m<sup>3</sup> Coal bucket has rounded sidebars to help with retention, J600 tips for easier penetration, and an optimized weight/capacity ratio to help maximize material payload and boost productivity.

## Low Owning and Operating Costs

Cat<sup>®</sup> Next Generation Excavators share common parts, synchronized and extended service intervals, exceptional customer service, and superior product support, helping save time and money. Cat long-life fuel and hydraulic oil filters with extended and synchronized service intervals help reduce maintenance costs. “Saving on maintenance costs and minimal downtime are top priorities for our customers,” said Wang. “We are proud to offer the 3101 as a proven and simplified solution that helps control costs and maximize every second of every shift.”

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## Optimized for the Operator

Equipped with Caterpillar's next generation cab, which features a wide door, tilt-up armrest, 32 mm (1.25 in) polycarbonate safety windows, and smaller cab pillars, helping provide premium work task visibility. "Sites where our excavators work are typically rugged and challenging," said Wang. "The 3101 can help protect the operator as much as possible from fatigue, stresses, sounds, and temperatures of the job."

## Celebrating 100 Years of Caterpillar Innovation

Over the last century, Caterpillar has grown with our customers to help build a more sustainable world. No matter what type of work you do – excavation, trenching, or truck loading, Cat excavators deliver top performance, versatility, and fuel efficiency. Available in a variety of sizes and capabilities, Cat excavators feature operator-oriented controls, durability that's as tough as the most rigorous jobs, and innovative safety and technology features. No matter the task at hand, you can work confidently – because your Cat equipment and local dealer are committed to meeting your needs to get the job done. When you choose our products, services, and solutions today, you gain 100 years of experience and expertise.

For more information about the 3101 Hydraulic Excavator, contact a Cat dealer or visit [cat.com](https://www.cat.com).

## 3101 Hydraulic Excavator NR III China Specifications

Engine	Cat C18TTA
Engine Power (ISO 14396:2002)	569 kW (763 hp)
Emissions	China Nonroad Stage III
Operating Weight*	98 200 kg (216,500 lb.)
Maximum Dig Depth	7190 mm (23' 7")

\*Long variable gauge undercarriage (L-VG), 7.25 m (23 ft 9 in) Mass boom, M2.92JC (9 ft 7 in) stick, GD 8.5 m<sup>3</sup> (11.1 yd<sup>3</sup>) bucket, and 650 mm (26 in) double grouser shoes and standard 15 450 kg (34,060 lb) counterweight.

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## NOTE TO EDITORS

### About Caterpillar:

With 2024 sales and revenues of \$64.8 billion, Caterpillar Inc. is the world's leading manufacturer of construction and mining equipment, off-highway diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. For 100 years, we've been helping customers build a better, more sustainable world and are committed and contributing to a reduced-carbon future. Our innovative products and services, backed by our global dealer network, provide exceptional value that helps customers succeed. Caterpillar does business on every continent, principally operating through three primary segments – Construction Industries, Resource Industries and Energy & Transportation – and providing financing and related services through our Financial Products segment. Visit us at [caterpillar.com](https://caterpillar.com) or join the conversation on our social media channels at [caterpillar.com/en/news/social-media.html](https://caterpillar.com/en/news/social-media.html).

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