

With built-in automatic features, the next generation Cat[®] Articulated Trucks enhance performance, safety and efficiency

- Delivers a suite of assisted and automatic features — now including Auto Wait Brake function for added convenience and control during operation
- Dynamic Rollover Protection monitors for high lateral acceleration — typically caused by high-speed cornering — to warn of potential rollover risk, helping reduce the likelihood of machine rollover
- New machine includes redesigned dump body for maximum payload efficiency, integrated high-visibility lighting systems, ground-level fuel, and increased service intervals for transmission and engine.

IRVING, Texas, September 19, 2025—Caterpillar introduces a smarter articulated truck design with built-in automatic features for the next generation Cat[®] 725, 730, 730 EJ and 735 models. The upgraded interior puts control at your fingertips, with all functions accessible through a sleek touchscreen or a smooth, responsive keypad—plus, the touchscreen can be effortlessly navigated using the integrated jog dial for added convenience. New push-to-start with operator ID stores up to 50 operator IDs to quickly get to work and safeguard against unauthorized use.

“Caterpillar’s latest machine design makes operating our next gen articulated trucks feel more comfortable, responsive, and user-friendly than ever,” says Sherrie Williams, global product application specialist for Caterpillar. “With the introduction of the Cat C13B engine on the 725, the improved power-to-weight ratio means it is up to 14% more efficient on our Tier 4 Final [and equivalent] machines¹.”

Reliable performance

The new Cat C13 engine powers the next generation of trucks with ratings from 257 to 316 kW (345 to 424 hp), depending on the model. Designed to meet global emission standards—including U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, and Korea Stage V—the C13 features a compact, lightweight design with no need for exhaust gas recirculation. The machine is available in configurations suitable for all regions worldwide, ensuring reliable performance across a wide range of applications.

Requiring no operator input, advanced automatic traction control prevents wheel slippage in poor underfoot conditions for maximum traction and productivity. The new engine overspeed control works seamlessly with Automatic Retarder Control (ARC) to manage braking and automatically adjust engine speed—enhancing truck handling, improving steering response, and building confidence for newer operators in challenging conditions.

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Machine speed limiting supports safe operation by allowing ground speed to be set by the operator or in service mode—ideal for uneven terrain, high-traffic areas, or sites with strict speed regulations. Additionally, the integrated body height limiter promotes safety by helping ensure the machine operates within jobsite standards and height restrictions.

The Cat 725, 730 and 735 models feature a redesigned dump body that offers easier loading than previous designs and maximizes payload. The redesigned body features a rerouted exhaust heat system that helps minimize material carryback, improving load efficiency and reducing cleanup time. Improved payload technology allows operators to view real-time load weights on the integrated display, and the system's updated software and sensors provide accurate data. External payload indicator lights alert the loading operator when approaching rated payload and when payload is reached.

Built-in safety

Caterpillar's unique feature, Dynamic Roll Protection, supports rollover prevention, working in parallel with the field-proven Stability Assist, which prevents hoisting on uneven terrain. Configurable to material and jobsite conditions, this new feature monitors conditions to detect when the truck is experiencing high lateral acceleration, provides a visual and audible alarm, reduces fuel and applies service brakes automatically. It reduces the risk of machine rollover due to high-speed cornering, helping minimize downtime and safety repairs from rolling the truck. Additionally, Stability Assist software reports information via VisionLink® to increase awareness of when an event has occurred.

Reducing operator fatigue, the new Auto Wait Brake (AWB) automatically applies service brakes when the shift lever is in any position other than park and ground speed reaches 0 kmph. The service brakes apply in less than one second after the machine has stopped, and, after eight seconds, the transmission shifts to neutral with AWB engaging. Simply applying the throttle re-engages the transmission and releases the service brakes. This new feature eliminates the need to shift to park for short duration stops and saves fuel when shifting to neutral. This feature also works with the machine Hill Assist, by applying the service brakes, preventing rollback.

A new dump body height limit feature for 725, 730 and 735 models allows the bed raise height to be set to meet jobsite conditions. The operator can quickly set the raise height limit by raising the bed to the desired height and holding a button on the keypad. Alternatively, it can be set through the display service mode to meet site-wide limits. This feature helps prevent the dump body from contacting overhead objects and increases cycle time by limiting full-body travel.

The Cat 730 EJ Articulated Truck ejects the load without raising the body to help maintain machine stability. This unique design allows load dispersal on inclines, side slopes and in very soft underfoot conditions like those found on landfill sites. Virtually eliminating material sticking to the body to increase productivity, the truck can eject in areas with low overhead clearance, such as around overhead lines or in tunneling and

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underground operations. Delivering faster cycle times, the versatile 730 EJ can eject and spread material on the go to reduce the need for additional spreading and dozing equipment.

Providing front and rear proximity detection, all next generation articulated trucks offer an optional object detect and multiview camera via a separate secondary monitor. The system's radar sensors, mounted fore and aft, provide visual and audible alerts when objects are within the truck's travel path. Four discrete camera views, that are configurable to the operator's preference, are mounted at the front, rear and sides in order to enhance the operator's view around the truck.

Coaching advice

An onboard, optional interactive training tool, [Operator Coaching](#), measures and reports on individual operator behaviors that impact efficiency, safety and machine health. Operator Coaching identifies opportunities to improve operating behavior for the inexperienced as well as experienced operators alike by monitoring 14 activities. Tips can be viewed on a summary page on the main touchscreen display, while animated video tutorials provide operator instructions. For fleet managers, the GPS function includes maps to show the location of where tips are triggered on the work cycle. Among the 14 coaching tips are:

- Hoisting without articulation
- Hoisting with transmission in neutral
- Hoisting on level ground
- Reducing cornering speed
- Using lower gear when retarding
- Reducing speed in rough conditions
- Approaching grade in lower gear

Production of the new next generation Cat Articulated Trucks, starting with the 730 model, is scheduled for January 2026.

A Century of Innovations

Caterpillar began manufacturing articulated trucks in 1985 at its Peterlee, U.K., facility, debuting the D400, a 36-ton truck. Over the years, the lineup expanded to include multiple three-axle models, including innovations like the 740 EJ for efficient unloading. Continuous design improvements in power, capacity, and operator comfort helped lead to a production milestone in 2018 with the production of the 50,000th Cat Articulated Truck.

More information on the new Cat 725, 730, 730 EJ and 735 Articulated Trucks can be found by contacting a Cat dealer or visiting cat.com.

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NEXT GEN ARTICULATED TRUCK SPECIFICATIONS

Model	725	730	730 EJ	735
Engine	C13B	C13A/C13B	C13A/C13B	C13A/C13B
Net power* - SAE J1349, kW (hp)	257 (345)	274 (367)	27.1 (30)	298 (400)/316 (424)
Rated payload, tonnes (tons)	24 (26.5)	28 (31)	27.1 (30)	32 (35.2)
Heaped capacity, m ³ (yd ³)	15.3 (19.6)	17 (23)	16.9 (22.1)	20 (26.2)
Number of axles	3	3	3	3
Drive configuration	6-wheel	6-wheel	6-wheel	6-wheel

*Net power available at the flywheel when the engine is equipped with an alternator, air cleaner, muffler and fan at maximum speed.

¹ Compared to 725 04A. Productivity improvement based on product testing of the 725-04 vs. 725-05 production study composed of 20% & 30 % grade, with a distance of 1.92km, speed of 20 kph. 2" of wet dolomite over packed ground and an ambient temperature of 5C. Test done by Caterpillar Cornforth Proving Grounds in Peterlee UK in January 2022. Production study includes; fuel consumption, measured by litre/hour using day tanks, efficiency measured in tonnes/ litre using verified scales, and productivity measured in tonnes/hr measured with verified scales.

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NOTE TO EDITORS

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