

# Cat<sup>®</sup> D6 dozer features increased weight and power, automatic transmission, and next-level technology

- More weight and horsepower than the Cat<sup>®</sup> D6T delivers the power to handle a variety of tasks
- Fully automatic 4-speed transmission continuously adjusts for power and efficiency
- Common next generation cab design with Cat D5–D8 models provide improved comfort and visibility

**IRVING, Texas, May 1, 2025**—The first next generation design in this class, the new Cat<sup>®</sup> [D6](#) dozer delivers a 14% weight and 13% horsepower advantage over the standard configuration Cat D6T. An improved frame design gives the D6 a balanced ride with no additional counterweights, making it the right choice to complete a variety of tasks, from first cut to final grade.

Making it easier for operators to transition to different machine sizes, the new D6 features a next generation cab design with common interface and controls with the D5 – D8 models. Its fully automatic, 4-speed powershift transmission with lock-up clutch (LUC) continuously adjusts up or down for maximum efficiency and power to the ground without additional operator input.

“Beyond the power and weight improvements, the next generation D6 dozer introduces a range of available technologies and assist features that reduce operator input and increase efficiency,” says Leandro Amaral, product application specialist for Cat dozers. “Additionally, customers now have factory options for integrating Cat Grade with 3D hardware and equipping the dozer remote-control ready.”

## **Common, comfortable workspace**

The operator works comfortably from the fully redesigned premium next generation cab with integrated Rollover Protective Structure (ROPS) and Falling Object Protective Structure (FOPS), single-pane door glass, sliding windows and advanced cabin filtration. The redesigned cab offers commonality across all D5–D8 dozers, including operator interface, sound reduction, increased storage area and adjustable controls, making it simple for operators to transition to different machine sizes.

Different cab options enable customers to select the level of technology readiness and comfort to fit their needs. An option to the 203-mm (8-in) gauge cluster, a 254-mm (10-in) touchscreen display delivers more operating information for easier, more intuitive use. The display’s design provides built-in key features that

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assist operators in giving them an overview of the machine, available technologies, and helpful tips. A detent thumbwheel on the steering control allows for easy speed setting changes, while cab heating and cooling air more effectively circulates around the operator and helps reduce window fogging and frosting.

The ROPS and sloped hood design, along with alignment of the exhaust and precleaner, serve to offer better visibility to the front of the dozer, enhancing operating safety. When the machine is in reverse, feed from the standard high-definition rearview camera shows prominently in the primary display.

### A new level of technology

The next generation Cat D6 dozer comes with a range of optional technologies to help make work easier, especially for less experienced operators. With some blade and steering functions now automated, even newer operators can work at productivity levels closer to their veteran counterparts.

Testing has shown Cat Assist features, new options to the D6, can reduce operator inputs by up to 45%<sup>1</sup> compared to not using these features. Cat Assist with Attachment Ready Option (ARO) features include:

- ARO provides wiring and mounting for faster installation of dealer-installed options like Cat Grade with 3D, AccuGrade™, Universal Total Station (UTS) or other grade control systems
- Cat Grade with Slope Assist™ automatically maintains pre-established blade positioning without a GNSS/GPA signal
- Steer Assist helps reduce steering inputs up to 75%<sup>2</sup> by automating track and blade tilt steering
- Stable Blade works seamlessly with operator inputs to help produce a smoother surface when operating manually
- Using a GPS signal, Traction Control automatically reduces track slip to save time, fuel and track wear
- Leveraging GPS, Blade Load Monitor provides real-time feedback on current load versus optimal blade load, based on ground conditions, and actively monitors machine load and track slip
- AutoCarry™ uses a GPS signal to automate blade lift, helping to maintain consistent blade load and reduce track slip

Available factory-integrated Cat Grade with 3D uses GNSS/GPS to control the blade, allowing operators to grade to design faster. Low-profile antennas are integrated into the cab roof, and GNSS/GPS receivers are mounted inside the cab for better protection. For customers with established third-party systems, the D6 is compatible with 3D grade systems from Trimble, Topcon and Leica.

Depending on cab configuration, the D6 can ship from the factory remote control ready to save time with field installation of Cat Command for Dozing, which removes the operator from the cab by enabling remote operation when working in hazardous environments. With no on-site network requirements, the portable and lightweight Command console provides quick and efficient line-of-sight remote control from up to 400 m (1,312 ft). The Command station delivers comfortable, non-line-of-sight operation either on-site or from miles away

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and features a comfortable seat, familiar controls and allows the use of Grade, Assist and other technologies using the included touchscreen.

### Service simplified

Updated components, longer service intervals and fewer scheduled maintenance tasks with the next generation dozer design help reduce maintenance costs for the new D6. Grouped service points, along with easy-access modular components and fewer filters, lower maintenance time, while a standard reversing fan extends the time between core cleanings.

A 30-minute cab removal provides easy access to maintenance points, while the standard ladder at the back of the machine offers convenient access for fuel fill, cab window cleaning and maintenance. Ground-level access to the optional fast fuel fill, grab rails on both sides of the cab roof, and tie-offs enhance maintenance safety.

The next generation design also provides a wide range of machine connectivity for servicing and fleet management. Streamlining service efficiency, standard Remote Troubleshoot saves time and money by allowing the Cat dealer to perform diagnostic testing remotely. Enabling onboard software updates without requiring a technician, Remote Flash allows customers to install updates at a time that does not interrupt the production schedule. Cat VisionLink® provides actionable data insights from critical machine operating information like dozer hours, location with mapping, idle time, fuel utilization and more captured by Product Link™.

### Configurable designs

Next generation D6 dozers offer special configuration options for the waste and forestry industries to meet the needs of these demanding applications. The Waste Handling design comes with specialized guarding and seals to help protect major components from impact and airborne debris. Bottom guard, chassis and tilt cylinder guards, and fuel tank and battery guarding offer enhanced protection from debris. The waste cab features impact-resistant polycarbonate doors to eliminate the need for door screens, and large capacity landfill blades, front and rear striker bars, and center-hole track shoes help optimize the machine for waste handling.

The Heavy Duty/Forestry arrangement includes the same impact-resistant polycarbonate doors as the waste machine for added safeguard, plus side and rear screens further protect the operator and machine from debris. Closed sweeps offer more operator and machine protection with an enclosed canopy over the cab to protect the top of the machine while allowing upward visibility. Including the Heavy Duty Extended Life (HDXL) undercarriage enables track bushings to be turned and resealed mid-life, and the press-fit bushings and pin retention design are well suited for impact applications like forestry.

### A Century of Innovations

Caterpillar began manufacturing track-type tractors at its inception in 1925 with the 60 and 30 models. These models were known for their high-quality materials, efficiency, and durability. While those qualities still apply,

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today's track-type tractors are enhanced with factory-ready technologies such as Cat Grade with 3D, Cat Assist with ARO, and Remote Control. Today, Caterpillar designs and manufactures 14 models of dozers in our facilities around the world.

More information on the next generation Cat D6 Dozer can be found by contacting a Cat dealer or visiting [cat.com](http://cat.com).

## D6 DOZER SPECIFICATIONS

Engine	Cat® C9.3B
Powertrain	Fully automatic 4-speed Powershift with Lock-up Clutch (LUC)
Emissions	Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA
Net Power ISO 9249/SAE J1349 – kW (hp)	161 (215)
<b>Operating Weights</b>	
Standard Semi-universal (SU) blade – kg (lb)	22 130 (48,788)
LGP (36-in) Push Arm – kg (lb)	23 911 (52,715)
Variable Power Angle Tilt (VPAT) – kg (lb)	22 275 (49,108)
LGP (36-in) VPAT – kg (lb)	23 547 (51,912)
<b>Blade Capacities</b>	
Semi-universal (SU) – m <sup>3</sup> (yd <sup>3</sup> )	5.7 (7.5)
LGP (36-in) Straight – m <sup>3</sup> (yd <sup>3</sup> )	3.8 (5.0)
VPAT – m <sup>3</sup> (yd <sup>3</sup> )	4.1 (5.4)
LGP (36-in) VPAT – m <sup>3</sup> (yd <sup>3</sup> )	4.9 (6.5)

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<sup>1</sup> Input reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Assist technology features, in a truck dump spreading in sand application. Inputs measured as number of times operator adjusts controls, collected and verified by electronic control module (ECM). Test conducted by Caterpillar at Washington, IL in July 2022.

<sup>2</sup> Input reduction based on product testing of a D5 (17B) Next Generation Dozer with and without the use of Steer Assist in a side slope application. Inputs measured as number of times operator adjusts controls, collected and verified by electronic control module (ECM). Test conducted by Caterpillar at Washington, IL in July 2022.

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## NOTE TO EDITORS

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