

Next generation Cat[®] D8 dozer provides next-level technology

- Assist features significantly reduce operator input, allow faster and more accurate results
- Common cab design with Cat[®] D5-D7 models offers improved comfort and visibility
- 30-minute cab removal standard

IRVING, Texas, December 12, 2024—Caterpillar Inc. is announcing the new Cat[®] [D8 dozer](#) with advanced technology designed to provide faster more accurate results. The next generation design makes it easier for operators to transition to different machine sizes. The bulldozer's elevated sprocket offers better ride and balance than low-drive undercarriages, and its long undercarriage delivers the D8's renowned performance of high penetration forces and superior dozing performance. The Cat C15 engine offers an increase in horsepower over the previous build to take on a wide range of dozing, ripping and grading tasks.

Completely Redesigned Cab

The D8 dozer's next generation cab offers more space than the previous design complete with a wide air suspension seat with multiple adjustment options. Featuring an integrated rollover protective structure (ROPS), the next generation cab provides 17% improved visibility than the previous design¹. It can be removed in approximately 30 minutes to facilitate machine servicing.

The 254-mm (10-in) touchscreen main display has built-in key features assistance to give operators an overview of the machine, technologies and helpful tips. When the machine is in reverse, the standard high-definition rearview camera feed shows prominently in the display. Distributed air from the heating, ventilation and air conditioning (HVAC) system effectively circulates around the operator and helps reduce window fogging and frosting.

Broad technology offering

Assist technology features minimize operator input, boosting productivity for less experienced operators and decreasing effort and fatigue for everyone, while delivering quicker and more precise outcomes. Cat Assist with Attachment Reader Option (ARO) standard features include:

- Stable Blade to work seamlessly with operator inputs to help produce a smoother surface when operating manually
- Traction Control automatically reduces track slip to save time, fuel and track wear²
- Steer Assist reduces steering inputs by automating track and blade tilt steering
- Blade Load Monitor leverages GPS and provides real-time feedback on current load versus optimal blade load, based on ground conditions, and actively monitors machine load and track slip²
- AutoRip automates ripper raise/lower and shank in/out positioning to maximize ripping productivity

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- Attachment Ready Option (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
- AutoCarry™ uses a GPS signal to automate blade lift, helping to maintain consistent blade load and reduce track slip²
- Cat Grade with Slope Assist automatically maintains pre-established blade position without a GNSS/GPS signal
- Slope Indicate is included in the main machine display and shows side slope and uphill/downhill grades to help operators with slope work

Remote operation

Featuring an external connector for efficient dealer installation of a plug-and-play, roof-mounted remote-control unit, the new D8 dozer ships from the factory remote control ready. Cat Command for Dozing removes the operator from the cab by enabling remote dozer 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) for optimum operator visibility. The Command station delivers comfortable, non-line-of-sight operation either on-site or from miles away. The station features a comfortable seat, familiar controls and allows the use of Grade, Payload, Assist and other technologies using the included touchscreen.

Enhanced machine connectivity

The next generation D8 dozer design enables a wider range of machine connectivity than prior models. Streamlining service efficiency, Remote Troubleshoot saves time and money by allowing the Cat dealer to perform dozer diagnostic testing remotely. Remote Flash enables on-board software updates without a technician at a convenient time that does not disrupt the production schedule.

Customizable dashboards streamline fleet management efficiency by providing critical machine operating information like dozer hours, miles, location with mapping, idle time, CO₂ emissions, asset status and operation, and fuel utilization. The D8 dozer leverages VisionLink® to provide actionable data insights, accessed anywhere a connection is available through Cat Product Link™, for all connected assets, regardless of fleet size or manufacturer.

Application specific performance

The next generation Cat D8 Waste Handler is designed and built from the frame up to withstand challenging landfill operating environments. Specialized guarding, striker bars and seals help protect the machine and undercarriage from impact, material wrapping and airborne debris. Impact-resistant polycarbonate cab doors eliminate the need for door screens, while lights are mounted high on the dozer, away from the debris for protection, to illuminate the work area. The configuration features a high debris cooling system with automatic reversing fan, cooling system swing out cleaning access, laminated thermal shields and insulated Clean



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Emissions Module. Its waste undercarriage with center-hole track shoes and landfill-specific blade designs help to optimize performance.

More information on the next generation Cat D8 Dozer can be found by contacting a Cat dealer or visiting [cat.com](https://www.cat.com).

D8 Dozer Spec Guide

Engine	Cat® C15
Powertrain	Fully automatic 4-speed with Lock-up Clutch (LUC) torque divider
Emissions	U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, Korea Stage V, China Nonroad Stage IV
Net Power ISO 9249/SAE J1349 – kW (hp)	271 (363)
Operating Weights	
Standard Semi-universal (SU) blade – kg (lb)	39 500 (87,083)
LGP Semi-universal (SU) – kg (lb)	38 085 (83,963)
Waste Handler – kg (lb)	39 900 (87,964)
LGP Waste Handler – kg (lb)	41 545 (91,591)
Blade Capacities	
Semi-universal (SU) – m ³ (yd ³)	10.3 (13.47)
LGP Semi-universal (SU) – m ³ (yd ³)	9.9 (12.9)
Semi-universal (SU) Landfill – m ³ (yd ³)	21.2 (27.7)
LGP Semi-universal (SU) Landfill – m ³ (yd ³)	21.2 (27.7)

¹ Visibility improvements based on virtual visibility analysis. Comparisons made from a D8 (21B) model to the Next Generation D8 (22A) model.

² Feature not operational indoors or in areas where a GNSS/GPS signal is not available.

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NOTE TO EDITORS

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