D5

TRACK-TYPE TRACTOR

Net Power (1,770 rpm)
ISO 9249/SAE J1349   127 kW (170 hp)
ISO 9249 (DIN)   172 mhp
Operating Weight Ranges
VPAT   17 180-19 170 kg (37,875-42,263 lb)
Push Arm   17 340 kg (38,228 lb)

Cat® C7.1 Engine meets U.S. EPA Tier 4 Final/EU Stage V/Japan 2014/Korea Stage V emission standards.

CAT®

The **Cat D5** succeeds the renowned D6N with superior performance and the broadest choice of technology features to help you get the most from your dozer. Nimble and responsive, it has power for dozing and finesse for grading. Fully automatic transmission gives you seamless acceleration, so you can get the job done quickly.

THE
CAT® D5
PERFORMANCE AND TECHNOLOGY

D5 ⟫ D6N

| **D5** | 127 kW/170 hp | 19 170 kg/42,263 lb |
| **D6N** | 124 kW/166 hp | 18 346 kg/40,446 lb |

TECHNOLOGY FEATURES TO FIT YOUR BUSINESS

Your dozer is technology-ready so you can order technology packages from the factory, or easily upgrade later as your work demands it.

+ Package of Assist features gives you technology, like Cat Grade with Slope Assist™ and Steer Assist, that helps operators of varied skill levels get the job done faster and more easily.
+ Grade 3D with Assist package gives you all of the Assist features, plus 3D Grade and Steer Assist 3D. Get to design plan faster and with less operator effort so you can save time, money and fuel.
+ Remote Control ready cab enables dealer installation of the Cat Command system.

BEST-IN-CLASS PERFORMANCE

Nimble, responsive and maneuverable with a fully automatic transmission for seamless acceleration, fast cycle times and long-term durability. Cab sets the standard for visibility, comfort, productivity.
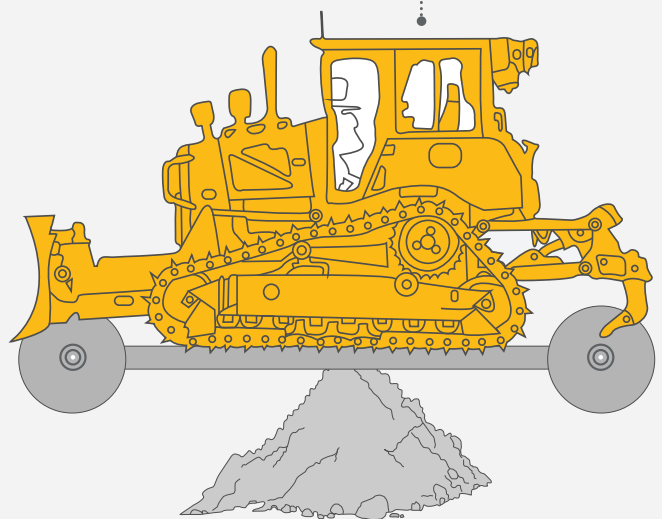
UP TO 50% MORE PRODUCTIVITY WITH CAT TECHNOLOGY

A broad range of Assist and Grade technology choices help boost productivity so you get the most from your machine. Remote Flash and Remote Troubleshoot help improve job site efficiency by saving you time.

MORE POWER TO WORK

Goes beyond D6N with more power and added performance to get the job done. Stronger structures offer more durability and uptime, while a purpose-built push arm dozer helps you take on heavier work.

BALANCED WORKLOAD

MAXIMIZE YOUR EQUIPMENT INVESTMENT WITH ONE MACHINE BALANCED FOR DOZING AND GRADING

Comparisons to D6N.

BIGGER, STRONGER

Ideally balanced for both dozing and grading, the D5 delivers more weight and horsepower for even more power and versatility. Take on even bigger tasks with a purpose-built push arm configuration.
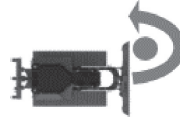
FULLY AUTOMATIC

Experience powershift durability with the seamless acceleration of a fully automatic 3-speed transmission. Just set your desired ground speed and the dozer adjusts for maximum fuel efficiency and power to the ground.

BEST-IN-CLASS GRADING

Balanced, nimble and fast, the D5 gives you agility and ideal machine balance so you can achieve high quality grades quickly. A variety of technology features help you grade better and faster, with less operator input.

TURN TIGHTER

Improved steering performance gives you a tighter turning radius and quicker cycle times, so you can work faster and steer around obstacles on the job site with ease.

Comparisons to D6N.

SPREAD MORE, GRADE MORE
POWER TO PUSH YOU FORWARD

OPERATOR HELPERS
BUILT RIGHT IN

Assist technology features help make work easier, especially for less experienced operators. Some blade and steering functions are automated so newer operators can work at productivity levels closer to their veteran counterparts. Seasoned operators can enjoy reduced effort, along with faster, more accurate results. Attachment Ready Option (ARO) with Assist bundles these features into one productivity-boosting package.

NO GPS SIGNAL? NO PROBLEM

Cat Grade with Slope Assist automatically maintains pre-established blade position without a GNSS/GPS signal – no additional hardware or software needed. For machines with 3D, operators can easily switch back and forth from full 3D automatics to Slope Assist.

STAY ON TRACK

Steer Assist automates track and blade tilt steering. Helps reduce operator fatigue by automatically maintaining straight travel with light loads or heavy loads on flat ground and side slopes. Helps reduce steering inputs up to 75%. No GNSS/GPS required.

SMOOTH OPERATOR

Stable Blade works seamlessly with operator inputs to help produce a smoother surface when operating manually.

EASY UPGRADES

Attachment Ready Option (ARO) provides wiring and mounting provisions for dealer installation of Grade with 3D, Accugrade, UTS, or other grade control systems.

KEEP PUSHING FORWARD

These Assist features help you make the most of every pass.

Blade Load Monitor gives you real-time feedback on current load versus the optimal blade load based on your ground conditions. Actively monitors machine load and track slip to help you reach optimal pushing capacity.*

Traction Control automatically reduces track slip to save you time, fuel and track wear.*

AutoCarry automates blade lift to help you maintain consistent blade load and reduce track slip.*

Slope Indicate is included in the main machine display and shows side slope and uphill/downhill grades to help operators with slope work.

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

WORK HARDER *EASIER*

Cat Assist and Grade technologies work in the background to help dozer operators of varied skill levels and are especially beneficial to less experienced operators. To demonstrate just how much these built-in technology features help, Caterpillar put them to the test. Two novice operators and two expert operators took on three challenges. Each operator completed three runs of each task – one in manual, one using Assist technology features, and one using Assist plus Cat Grade with 3D. The team measured productivity[1], efficiency[2], completion time, final surface quality and operator inputs.

SLOT DOZING

Productivity and efficiency – novice operators went from 9% lower productivity and efficiency than the experts in manual to matching the experts when using Assist.

LEVEL UP

CHOOSE THE RIGHT LEVEL OF TECHNOLOGY TO FIT YOUR BUSINESS AND BUDGET. ORDER FROM THE FACTORY OR UPGRADE LATER.

Grade 3D with Assist Feature package

Assist Technology Feature Package with 2D Grade

Productive, efficient Cat dozer, **technology ready**

TECHNOLOGY PACKAGES THAT HELP BOOST

TIME / MONEY / FUEL SAVINGS

TRUCK DUMP SPREADING/ GRADING IN SAND

Completion time – novice operators took 49% more time than the experts in manual and narrowed the gap to 17% using Assist and to 9% by adding Grade.

Blade inputs – novice operator blade inputs were reduced 45% with Assist, and 55% with Assist plus Grade. Expert operator blade inputs were reduced 32% with Assist, and 53% with Assist plus Grade.

Surface quality – novice operator surface quality improved up to 51% using technology while expert operator surface quality improved up to 27% using technology. Novice operators using technology produced similar surface quality to the expert operators in manual.
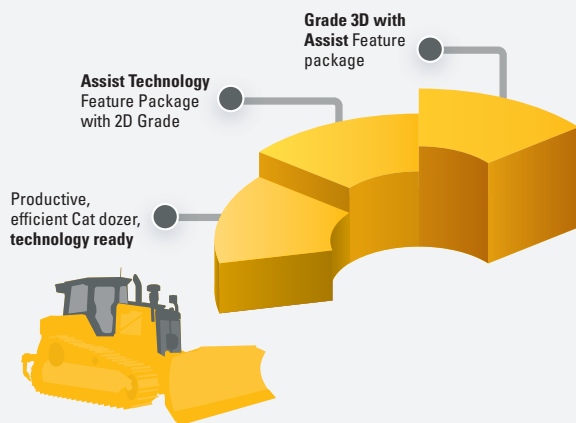
SIDE SLOPE/STEER ASSIST

Steering inputs – novice and expert operator steering inputs reduced by 75% in forward and by 67% combining forward and reverse.

[1] *Material moved per hour*
[2] *Material moved per unit of fuel/diesel exhaust fluid (DEF)*
Study conducted by Caterpillar, August 2022

3D GRADE CONTROL
BOOST YOUR PRODUCTIVITY

+ Factory integrated **Cat Grade with 3D** uses GNSS/GPS to control the blade so you can get to design the plan faster.

+ Cat Grade with 3D has no masts - low profile antennas are integrated into the cab roof and GNSS/GPS receivers are mounted inside the cab for better protection.

+ Automatically follow guidance lines from design plans with **Steer Assist 3D**. Stay on curb lines, centerlines, bottom of slope, etc., without operator effort. Track steering is used under light loads and blade tilt steering may be added under heavy loads.

+ Grade operator interface is intuitive and easy to use: 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.

+ Cab is Third-party Grade Control ready, equipped with CAN interface, harness pass throughs and mounting features to make it easier to install the grade control system of your choice.

+ All Cat Grade systems are compatible with radios and base stations from Trimble, Topcon, and Leica.

+ Already invested in a grade infrastructure? You can install grade systems from Trimble, Topcon, and Leica onto the machine.

CAT® TECHNOLOGY IS LIKE HAVING A
COACH IN THE CAB

PLAY YOUR BEST
Optimal efficiency, fewer operator inputs

KNOW THE SCORE
Real-time Feedback

NO FOUL
Save rework, time, materials

ENHANCED POWER TRAIN CONTROL
TOUGH OUTSIDE SMART INSIDE

Steering and slope work just got easier. Advanced controls automatically manage the power train and brakes to help operators experience better steering control and to maneuver more easily on slopes. No extra operator inputs to think about – the built-in features just work in the background.

HELP ON HILLS

Hill Descent Control maintains preselected machine speed, without using the service brake pedal, for added control when working downhill. **Hill Hold** automatically engages the brakes to hold position when in neutral on a slope.

PRECISE CONTROL

Use the **Decel Brake Pedal** to control machine speed all the way to a complete stop, or for smooth inching control.

PINPOINT TURNING

Turn tighter when spreading dirt or working in narrow spaces. **Steering Radius Control** uses steering and decel pedal input to automatically downshift for a tighter turning radius and more maneuverability.

UNPRECEDENTED EASE OF OPERATION

No need to worry about shifting gears to get the most from the machine – just choose your ground speed and go. The dozer automatically optimizes based on load for greatest productivity and fuel efficiency.

WORK SPACE

Step in to a spacious cab that resets the industry standard for comfort and visibility. A wider air-suspension seat gives you plenty of adjustments. Enjoy more storage space, along with updated heating/cooling to help keep you more comfortable and reduce window fogging/frosting too. Powered pre-cleaner option improves cabin pressurization to help keep out more dirt.

OPERATOR-FRIENDLY DISPLAY

The 10-inch (254 mm) touchscreen is easy to use, with a great view of machine settings, high-definition rearview camera and Slope Indicate/Slope Assist screens. Key Features button gives you an overview of machine features, along with some helpful operating tips.
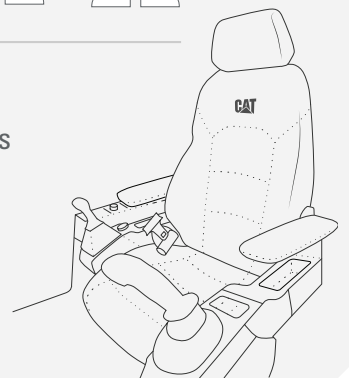
A CAB **EVERY BODY** CAN LOVE

13 Seat Adjustments*

4 Arm Rest Adjustments

PLUS MORE SPACE, MORE GLASS AREA AND MORE STORAGE add up to customized for all-day productivity

* Premium seat

SEE YOUR WAY
TO MORE PRODUCTIVITY

More visibility around the dozer means you can work with more confidence and precision. Easy machine access saves time and helps make the job site safer.

BETTER VIEW

Redesigned cab with integrated Rollover Protective Structure (ROPS) has about 15% more glass area to give you better all-around visibility. A steeper hood angle gives you 30% better forward visibility to the blade and work site.

Comparisons to D6N.

EXTRA EYES

A high-definition rearview camera is standard. It shows prominently in the main display and includes back-up lines to help guide you.

EASY ACCESS

Standard rear ladder puts fueling, filter changes and rear window cleaning in easy reach. Ground-level access to optional fast fuel fill and maintenance points. Grab rail on both sides of cab roof and tie offs add to your safety.

LOWER MAINTENANCE COSTS
LESS MAINTENANCE TIME

GET BACK TO WORK

Grouped service points, modular component design and easy access to routine maintenance points save you time every day. Quick-access floor plate option gives you toolless access for easier belly pan clean out. If needed, the cab can be removed in about 30 minutes, compared to four hours on previous models.

SPEND LESS

Heavier, more robust machine helps increase uptime and reduce overall operating costs. Extended filter life and longer-life LED lights help save you time and money. Optional reversible fan helps remove debris while you work, saving cleanout and maintenance time.

REDUCE UNDERCARRIAGE COSTS

Heavy Duty Extended Life undercarriage – HDXL with DuraLink™ – offers up to 20% more seal life in high-impact conditions. Or choose Cat Abrasion™ undercarriage for high-abrasion, low-impact jobsites. The design offers double the seal life and eliminates bushing turns, reducing your costs by up to 50% per hour compared to traditional undercarriage.

GAIN DURABILITY

Hydraulic and electrical lines running to the blade are guarded for better protection. More robust track roller frame gives you added durability to take on heavier work.

Comparisons to D6N.

CAT EQUIPMENT MANAGEMENT
TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Getting the most out of your equipment requires hundreds of decisions, every day. Cat Equipment Management gives you access to all the data you need to keep your equipment on the job site and earning money. You can track equipment location and hours, monitor machine use and health, then take informed action that will keep your operation running smoothly, efficiently and profitably.

☁ CAT PRODUCT LINK™ AND VISIONLINK®

Product Link™ collects data automatically from your assets – any type and any brand. Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance and more. Satellite and/or cellular subscriptions are available.

☁ REMOTE SERVICES

The Cat App helps you manage your assets – at any time – right from your smartphone. See fleet location and hours, get critical required maintenance alerts and even request service from your local Cat dealer.

+ **Remote flash** – get software updates remotely.

+ **Remote troubleshoot** – remote diagnostic testing helps pinpoint potential issues, saving time and money.

+ **Operator ID** lets you track machine operation by individual operator using the main display and Product Link.

⦿ REMOTE CONTROL READY

When dozers work in hazardous mining and earthmoving applications, the Command for Dozing option helps improve safety and efficiency. Operators control the machine using a line-of-sight console or a remote operator station. Deep integration with machine systems enables smooth, precise control for maximum efficiency and productivity.

With the line-of-sight console, take advantage of the dozer's built-in operator assist features. The remote operator station also allows full use of Grade and Assist technology features for even greater productivity.

Please consult your Cat dealer for regional availability.

EQUIPPED FOR THE JOB
MAXIMIZE YOUR VERSATILITY

PRODUCTIVITY OUT FRONT

Pick a purpose-built push arm bulldozer with plenty of dirt moving power or a 6-way VPAT blade to maximize your versatility and grading performance.

ON TRACK FOR BETTER PERFORMANCE

Choose from standard or Low Ground Pressure (LGP) configurations. Common structures for Heavy Duty and Cat Abrasion undercarriage allow you to change from one undercarriage type to the other.

TOUGHER TRACTORS

Waste Handler, Forestry and Fire Fighting arrangements are purpose-built for optimal performance. Factory guarding, seals and cab features help protect your machine and operator in especially harsh conditions.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE	
Powertrain	Fully Automatic 3-Speed
Engine	Cat® C7.1
Emissions	U.S. EPA Tier 4 Final/EU Stage V/ Japan 2014/Korea Stage V
Net Power (1,770 rpm)	
ISO 9249/SAE J1349	127 kW 170 hp
ISO 9249 (DIN)	172 mhp
Displacement	7.1 L 433 in³

- Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan, air cleaner, clean emissions module and alternator.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - 20% biodiesel FAME (fatty acid methyl ester)*
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
  Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- * Engines with no aftertreatment devices can use higher blends, up to 30% biodiesel.

	OPERATING WEIGHT	GROUND PRESSURE*
VPAT	17 180 kg | 37,875 lb	47.6 kPa | 6.9 psi
LGP VPAT	19 170 kg | 42,263 lb	32.6 kPa | 4.7 psi
VPAT Fine Grading	17 780 kg | 39,198 lb	41.4 kPa | 6.0 psi
LGP Folding VPAT	19 440 kg | 42,858 lb	32.9 kPa | 4.8 psi
SU	17 340 kg | 38,228 lb	48.2 kPa | 7.0 psi

For machine with ripper, add 1290 kg/2,844 lb.

*With SU blade, LGP with VPAT blade and no rear attachments unless otherwise specified and calculated per ISO 16754.

BLADES	CAPACITY	WIDTH
VPAT/Folding VPAT	3.5 m³ | 4.6 yd³	3272 mm | 10.7 ft
LGP VPAT	4.0 m³ | 5.2 yd³	4080 mm | 13.4 ft
LGP Folding VPAT	4.2 m³ | 5.5 yd³	4080 mm | 13.4 ft
SU	4.3 m³ | 5.6 yd³	3164 mm | 10.4 ft
SU – Narrow*	— | —	3122 mm | 10.2 ft

*Europe only. Width with end bits removed.

SERVICE REFILL CAPACITIES		
Fuel Tank	315.0 L	83.2 gal
Diesel Exhaust Fluid (DEF) Tank	16.0 L	4.2 gal

AIR CONDITIONING SYSTEM
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.36 kg of refrigerant which has a CO_2 equivalent of 1.946 metric tonnes.

DIMENSIONS*	VPAT	LGP VPAT	VPAT FINE GRADING	SU
Track Gauge	1890 mm (74.4 in)	2160 mm (85.0 in)	1890 mm (74.4 in)	1890 mm (74.4 in)
Width of Standard Shoe	610 mm (24 in)	840 mm (33 in)	610 mm (24 in)	610 mm (24 in)
Width of Tractor	2500 mm (98.4 in)	3000 mm (118.1 in)	2500 mm (98.4 in)	2500 mm (98.4 in)
Machine Height	3085 mm (121.5 in)	3200 mm (126.0 in)	3200 mm (126.0 in)	3085 mm (121.5 in)
Length of Track on Ground	2562 mm (100.9 in)	3116 mm (122.7 in)	3116 mm (122.7 in)	2562 mm (100.9 in)
Length of Basic Tractor	3680 mm (144.9 in)	4151 mm (163.4 in)	4151 mm (163.4 in)	3680 mm (144.9 in)
With the Following Attachments, Add to Basic Tractor Length				
VPAT Blade, Straight	1336 mm (52.6 in)	1230 mm (48.4 in)	1230 mm (48.4 in)	—
VPAT Blade, Angled 25°	1982 mm (78.0 in)	2049 mm (80.7 in)	1876 mm (73.9 in)	—
VPAT Blade Foldable, Angled 31°	2110 mm (83.1 in)	2214 mm (87.1 in)	2005 mm (78.9 in)	—
SU Blade	—	—	—	1423 mm (56.0 in)
Ripper	1044 mm (41.1 in)	1044 mm (41.1 in)	1044 mm (41.1 in)	1044 mm (41.1 in)

*Cat Abrasion undercarriage.

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN	STANDARD	OPTIONAL
Cat C7.1 diesel engine	●	
Fully-automatic 3-speed transmission	●	
Infinite ground speed adjustment	●	

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)	●	
Full-color 10-inch (254 mm) touchscreen main display	●	
Integrated rearview camera	●	
Premium cab with adjustable armrests	●	
Added storage areas	●	
Cloth seat	●	
Deluxe leather heated/ventilated seat		●
Communication radio ready		●
Lights – 6 LED	●	
Premium lights – 12 LED		●
Integrated warning lights		●
Powered pre-cleaner		●

CAT TECHNOLOGY	STANDARD	OPTIONAL
Slope Indicate	●	
ARO with Assist Package - ARO - Slope Assist - Steer Assist - Stable Blade - Blade Load Monitor - Traction Control - AutoCarry		●
Grade 3D with Assist Package - Full-color 10-inch (254 mm) touchscreen grade display - Steer Assist 3D - Grade receivers and antennas - Grade Software Enabled Attachment (SEA) - ARO with Assist package features		●
Third Party Grade Control Ready Cab	●	
Compatibility with radios and base stations from Trimble, Topcon, and Leica	●	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	●	
Product Link™ – Cellular	●	
Product Link – Dual Cellular/Satellite		●
Remote Flash/Troubleshoot	●	
Grade Connectivity		●
Operator ID	●	
Machine Security – Passcode	●	
Machine Security – Bluetooth		●
Remote Control Ready	●	
Cat Command for Dozing		●

BLADES	STANDARD	OPTIONAL
VPAT	●	
Semi-Universal	●	
Folding VPAT		●
Waste/Landfill		●

UNDERCARRIAGE	STANDARD	OPTIONAL
Heavy Duty (HDXL with DuraLink™) or Cat Abrasion™	●	

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Fast fuel fill		●
Ground-level service center	●	
High-speed oil change		●
Hydraulic fan	●	
Hydraulic reversing fan		●
Rear access ladder	●	
Quick access floor plates		●
Shovel holder	●	
Underhood work light		●

ATTACHMENTS	STANDARD	OPTIONAL
Ripper-ready rear hydraulics		●
Ripper with straight or curved shanks		●
Winch		●
Drawbar	●	
Side screens		●
Rear screen – hinged or fixed		●
Sweeps		●

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

For additional information, refer to the Technical Specifications brochure available at *www.cat.com* or your Cat dealer.

特定特殊自動車
排出ガス2014年基準
適合車

オフロード法２０１４年
基準適合

AEXQ2532-04
Build Number: 17B
(Aus-NZ, Chile, Europe, Japan,
N Am, S Korea, Turkey)

CAT®