

D6

TRACK-TYPE TRACTOR



Net Power (2,200 rpm)

ISO 9249/SAE J1349

ISO 9249 (DIN)

161 kW (215 hp)

219 mhp

Operating Weight Ranges

VPAT

Push Arm

22 275-23 547 kg (49,108-51,912 lb)

22 130-23 911 kg (48,788-52,715 lb)

Cat® C9.3B Engine meets U.S. EPA Tier 4 Final, EU Stage V, and Korea Stage V emission standards.



The **Cat D6** dozer helps you move material at a lower cost with a fully automatic transmission, outstanding fuel efficiency and reduced service/maintenance costs. The D6 is legendary versatility you have come to trust, with added performance and efficiency to help you take your business to the next level.

THE CAT[®] D6

RENOWNED PERFORMANCE,
LOWER OPERATING COST



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.



NO NEED TO SHIFT

JUST SET YOUR GROUND SPEED AND GO.



- + No need to upshift/downshift
- + Fully automatic 4-speed transmission with lock-up clutch torque divider
- + Continuously selects the most productive, efficient gear and engine speed for the job

*All comparisons to 2014-2016 3-speed D6T (U.S. EPA Tier 4 Final/EU Stage IV).
Maintenance comparisons to D6T over initial 10,000 hours of operation.*

UP TO 9% LOWER MAINTENANCE COST

Designed specifically to reduce your service and maintenance costs with updated components, longer service intervals and fewer scheduled maintenance tasks.

UP TO 20% MORE FUEL EFFICIENT

Fully automatic 4-speed transmission continuously adjusts for maximum efficiency and power to the ground without added operator input.

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.

RENOWNED PERFORMANCE **LOWER OPERATING COST**

When you need to move material at a lower cost, let the D6 handle some of the details for you. Get the power the job demands, along with the fuel savings you want, all with less operator effort.



AUTOMATICALLY EFFICIENT

Don't worry about changing gears. A smooth-shifting, fully automatic 4-speed transmission with lock-up clutch automatically optimizes based on load for greatest productivity and fuel efficiency.

USE LESS FUEL

The D6 saves you fuel by continuously adjusting to give you maximum efficiency without losing power to the ground. Cash in on up to 20% better fuel efficiency compared to the 3-speed D6T.

EASY ON OPERATORS

To get the most from your dozer, just set the ground speed and go. This means less effort for experienced operators and faster proficiency for newer operators.

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.

SMOOTH OPERATOR

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

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.

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.*

PROVEN ADVANTAGE

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 productivity¹, efficiency², 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.

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

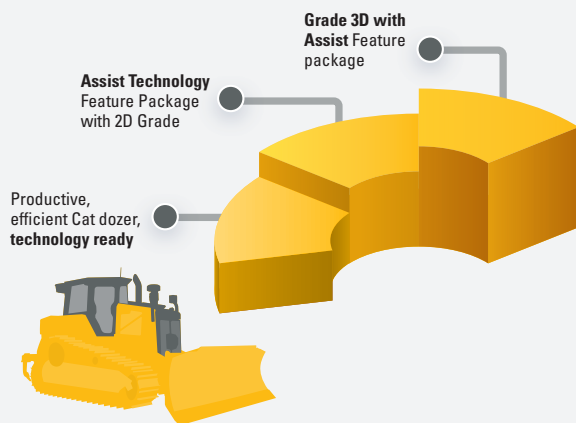
Steering inputs – novice and expert operator steering inputs reduced by 75% in forward and by 67% combining forward and reverse.

¹ Material moved per hour

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

LEVEL UP

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



TECHNOLOGY PACKAGES THAT HELP BOOST
TIME / MONEY / FUEL SAVINGS



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

COME ON IN AND MAKE YOURSELF COMFORTABLE

Step into a spacious cab that resets the industry standard for operator comfort, visibility and ease of operation. Integrated Rollover Protective Structure (ROPS) leaves plenty of glass area for all-around visibility. Clean sight lines along the hood give you an excellent view to the blade.



STAY IN TOUCH

10-inch (254 mm) touchscreen main display is easy to use, with a great view of machine settings and features. The standard high-definition rearview camera shows prominently in the display and includes backup lines to guide you.

WORK SPACE

A wide air-suspension seat gives you plenty of adjustments. Enjoy ample storage space, along with heating/cooling to help keep you more comfortable and reduce window fogging/frosting too. Powered precleaner option improves cabin pressurization to help keep more dirt out.

ON-BOARD HELP

Key Features button in the display gives you a machine overview, along with helpful operating tips. Learn more about technology and machine features that help you get the most from your dozer.

POWER TO MOVE DIRT

FINESSE FOR BETTER GRADING



BETTER BALANCE

Stronger, lighter VPAT structure is redesigned to give you better balance for grading. No need for a rear implement or counterweight.

BLADE VERSATILITY

Pick a beefed-up push arm bulldozer with plenty of dirt moving power or a purpose-built 6-way VPAT blade. Cat VPAT blades give you class-leading range of motion so you can handle challenging jobs like trenching and backfilling. The VPAT blade stays level when angled so you get a smoother grade.

LOWER GROUND PRESSURE

Wide-gauge LGP VPAT is purpose-built and equipped with 915 mm (36 in) centered shoes. This adds up to 34 kPa (5 psi) ground pressure to help you take on soft footing.

GRADE FASTER

Grade faster – in the 2.5-3.0 speed range – without sacrificing quality. Wider LGP blade means fewer passes. Finish grading undercarriage option (10-roller) helps you achieve smoother grades, at higher speeds, even in difficult surfaces like sand and gravel.

All comparisons to 2014-2016 3-speed D6T (U.S. EPA Tier 4 Final/EU Stage IV).

CUTTING EDGE PERFORMANCE

Optional Cat FirstCut Cutting Edges for SU blades help you move material faster, especially in hard ground. Patented design moves more material per pass – increases payload mass by up to 35%*.

- + Easier blade penetration in hard/frozen ground, moderate rock
- + Loads blade faster– aids blade control, load retention, traction – reduces track slip, helps improve undercarriage life
- + Up to 17% productivity improvement
- + Equal wear life/life cycle cost* – no mid-life edge flip or end bit replacement required, reducing down time for maintenance
- + Built-in wear indicators, drilled and tapped holes for safer installation, interchangeable with traditional edges
- + Versatility – on-plane cutting system allows finish grading

*Compared to standard cutting edges

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.

LOWER MAINTENANCE COST

LESS MAINTENANCE TIME



SPEND LESS

Fewer filters and service points, along with longer service intervals, save you time and money on routine maintenance. Standard reversing fan extends time between core clean-outs and helps reduce debris for less system wear and tear.

GAIN DURABILITY

Cat C9.3B engine boosts durability with a simplified emissions reduction system and a redesigned fuel system.

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 tool-less access for easier belly pan clean out. If needed, the cab can be removed in about 30 minutes, compared to 4 hours on previous models. 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.

All comparisons to 2014-2016 3-speed D6T (U.S. EPA Tier 4 Final/EU Stage IV).

REDUCE UNDERCARRIAGE COSTS

Choose the ideal undercarriage to match your job site conditions to help save money and maximize service life.

- + Heavy Duty Extended Life undercarriage - HDXL DuraLink™ - offers up to 20% more seal life in high impact conditions.
- + Cat Abrasion undercarriage for high abrasion, low impact jobsites. Design offers double the seal life and eliminates bushing turns, reducing your costs up to 50% per hour compared to traditional undercarriage.
- + Common structures for Heavy Duty and Cat Abrasion undercarriage enable changes from one to the other.

EQUIPPED FOR THE JOB

Choose from a variety of factory options for added protection in harsh applications like forestry and pipe line.



YOUR DOZER, YOUR WAY **BUILD TO SUIT**

Sweeps, door/window screens, debris-resistant cab, heavy duty guarding and more – pick from a variety of options that help protect your operator and your equipment investment. Blade and track shoe choices let you further customize to fit your applications. Factory connections make it easy to fit the machine with a ripper or a dealer-installed winch. Consult with your Cat dealer to learn more about the right options for the work you do.

FACTORY EQUIPPED TO TAKE ON THE TRASH



TOUGH ON TRASH

Factory-installed guarding and seals help protect the machine from impact, wrapping and airborne debris. High-debris cab has impact-resistant polycarbonate doors and dual pane windows to eliminate the need for door screens. Powered precleaner is integrated for cleaner cab air.

COOLING AND CLEANOUT

High-debris cooling system has automatic reversing fan and for easy cleanout. Trash-resistant radiator helps reduce plugging. Thermal shields on the engine and aftertreatment provide added protection in high-debris environments.

OPTIMIZED FOR PERFORMANCE

Specialized landfill blades include a trash rack for more capacity when working in lighter material. Heavy Duty Extended Life undercarriage has Kevlar-guarded sealed idlers to help protect against seal damage from wrapping. Center-hole track helps eject debris.

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Powertrain	Fully Automatic 4-Speed	
Engine	Cat® C9.3B	
Emissions	U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V	
Net Power (2,200 rpm)		
ISO 9249/SAE J1349	161 kW	215 hp
ISO 9249 (DIN)	219 mhp	
<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 20% biodiesel FAME (fatty acid methyl ester)* • 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels <p>Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.</p> <p>* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).</p>		

BLADE	CAPACITY	WIDTH
SU	5.7 m³ 7.5 yd³	3312 mm 10.9 ft
LGP SU	5.8 m³ 7.6 yd³	3613 mm 11.9 ft
LGP S	3.8 m³ 5.0 yd³	4063 mm 13.3 ft
VPAT	4.1 m³ 5.4 yd³	3680 mm 12.1 ft
LGP VPAT (30-in)	4.5 m³ 5.9 yd³	4000 mm 13.1 ft
LGP VPAT (36-in)	4.9 m³ 6.5 yd³	4340 mm 14.2 ft

SERVICE REFILL CAPACITIES		
Fuel Tank	341 L	90 gal
Diesel Exhaust Fluid (DEF) Tank	28 L	7.4 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.

CONFIGURATION	D6	D6 LGP (30-IN)	D6 LGP (36-IN)
Operating Weight ¹	22 130 kg (48,788 lb)	22 870 kg (50,420 lb)	23 911 kg (52,715 lb)
Ground Pressure	54 kPa (7.9 psi)	45 kPa (6.5 psi)	36 kPa (5.2 psi)
Machine Height	3.19 m (125.5 in)	3.19 m (125.5 in)	3.24 m (127.5 in)
Length of Machine without Blade	4.73 m (186.2 in)	4.73 m (186.2 in)	5.04 m (198.4 in)
Ground Clearance	361 mm (14.2 in)	361 mm (14.2 in)	395 mm (15.6 in)
Track Gauge	1.93 m (76 in)	2.08 m (82 in)	2.29 m (90 in)
Width over Trunnions	2.69 m (106 in)	2.99 m (118 in)	3.49 m (137.4 in)
Width across End Bits	3.30 m (10.83 ft)	3.61 m (11.84 ft)	4.06 m (13.32 ft)
Width across End Bits, Angled	—	—	—
Width of Standard Track Shoe	610 mm (24 in)	760 mm (30 in)	915 mm (36 in)
Length of Track on Ground	2.96 m (116.7 in)	2.96 m (116.7 in)	3.25 m (127.8 in)
CONFIGURATION	D6 VPAT	D6 LGP (30-IN) VPAT	D6 LGP (36-IN) VPAT
Operating Weight ¹	22 275 kg (49,108 lb)	23 012 kg (50,733 lb)	23 547 kg (51,912 lb)
Ground Pressure	49 kPa (7.1 psi)	40 kPa (5.9 psi)	34 kPa (5.0 psi)
Machine Height	3.19 m (125.5 in)	3.24 m (127.5 in)	3.24 m (127.5 in)
Length of Machine without Blade	5.13 m (202.1 in)	5.13 m (202.1 in)	5.13 m (202.1 in)
Ground Clearance	422 mm (16.6 in)	395 mm (15.6 in)	383 mm (15.1 in)
Track Gauge	2.08 m (82 in)	2.29 m (90 in)	2.39 m (94 in)
Width over Trunnions	—	—	—
Width across End Bits	3.68 m (12.07 ft)	4.00 m (13.12 ft)	4.34 m (14.24 ft)
Width across End Bits, Angled	3.36 m (11.02 ft)	3.65 m (11.99 ft)	3.97 m (13.02 ft)
Width of Standard Track Shoe	610 mm (24 in)	760 mm (30 in)	915 mm (36 in)
Length of Track on Ground	3.25 m (127.8 in)	3.36 m (132.1 in)	3.36 m (132.1 in)

¹With Multi-Shank Ripper (three shanks) add 1696 kg (3,739 lb).

For complete specifications and offerings, please reference the Technical Specifications document at www.cat.com or consult your local Cat dealer.

STANDARD & OPTIONAL EQUIPMENT

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

POWERTRAIN	STANDARD	OPTIONAL
Fully-automatic 4-speed transmission	•	
Cat C9.3B diesel engine	•	
Double reduction planetary final drives	•	
Hydraulic reversing fan	•	
OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)	•	
Full-color 10-inch (254 mm) liquid crystal touchscreen main display	•	
Integrated rearview camera	•	
Adjustable operator controls/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 precleaner		•
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	•	
Operator ID	•	
Machine Security – Passcode	•	
Machine Security – Bluetooth		•
Remote Control Ready	•	
Cat Command for Dozing		•

BLADES	STANDARD	OPTIONAL
Semi-Universal		•
VPAT		•
Straight blade		•
Angle blade		•
Foldable VPAT – under 3 m (9.9 ft) transport width (not available in all regions)		•
Waste/Landfill		•
UNDERCARRIAGE	STANDARD	OPTIONAL
Heavy Duty (HDXL with DuraLink™) or Cat Abrasion™		•
10-Roller Fine Grading undercarriage		•
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Fast fuel fill ready		•
Fast fuel pump		•
Refilling fuel pump (EU only)		•
Rear access ladder	•	
Shovel holder	•	
Ground level service center	•	
30-minute cab removal	•	
High-speed oil change		•
Underhood work light	•	
HYDRAULICS	STANDARD	OPTIONAL
Independent steering and implement pumps	•	
Load sensing hydraulics	•	
ATTACHMENTS	STANDARD	OPTIONAL
Ripper-ready rear hydraulics	•	
Ripper and winch-ready rear hydraulics		•
High lift ripper with straight or curved shanks		•
Winch		•
Drawbar		•
Counterweights		•
Side screens		•
Rear screen – hinged or fixed		•
Sweeps		•
Forestry and Waste Special Arrangements		•

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.

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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www.cat.com www.caterpillar.com

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(Aus-NZ, Chile, Europe,
N Am, S Korea, Turkey)

