

# D5

## TRACK-TYPE TRACTOR



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**Net Power (1,770 rpm)**

ISO 9249/SAE J1349

127 kW (170 hp)

ISO 9249/SAE J1349 (DIN)

172 mhp

**Operating Weight Ranges**

VPAT

17 080-19 340 kg (37,655-42,637 lb)

Push Arm

17 240 kg (38,008 lb)

Cat® C7.1 engine meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA.





The new **Cat D5** offers superior performance and the broadest choice of technology features to help you get the most from your dozer. The fully automatic transmission gives you up to 16% better fuel efficiency and more power to the ground. Nimble and responsive, it has power for dozing and finesse for grading.

# THE NEW CAT<sup>®</sup> D5

## PERFORMANCE AND TECHNOLOGY



<b>D5</b>	127 kW/170 hp	19 070 kg/43,447 lb	
<b>D6N</b>	118 kW/158 hp	18 563 kg/40,924 lb	<b>D5R2</b> 114 kW/153 hp 18 504 kg/40,794 lb

### NEW NAMES, SAME WORLD-CLASS PERFORMANCE

The update from D6N and D5R2 to D5 is part of an effort to make all Cat dozer model names simpler. Over the next couple of years, the Cat dozer range will be renamed from smallest to largest – D1 to D11 – with one model per size class and no more letter modifiers like “N,” “K,” or “R.”

While the number may be different, the D5 gives you all the advantages of the D6N and D5R2 plus so much more. The D5 delivers more weight and horsepower, more technology and more performance, helping you make the most of your equipment investment.



## UP TO 16% BETTER FUEL EFFICIENCY

Fully automatic transmission provides up to 16% better fuel efficiency than D6N/D5R2. Save even more money with longer maintenance intervals and remote diagnostics for more uptime.

## UP TO 13% MORE POWER TO THE GROUND

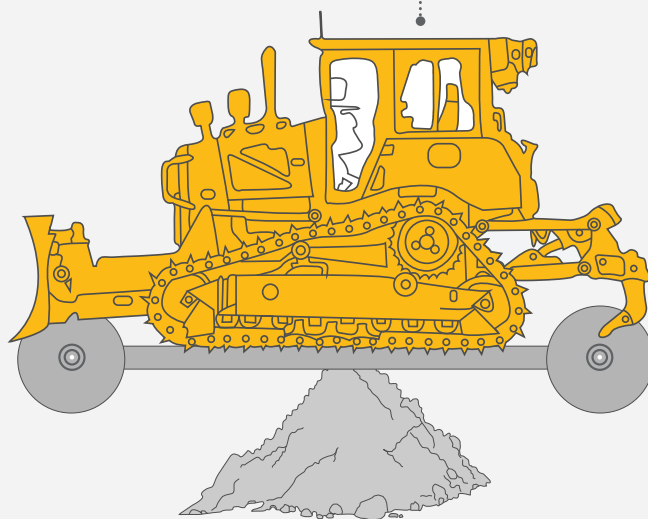
D5 goes beyond D6N/D5R2 with more power (170 hp/127 kW) and added performance to get the job done. Harness up to 13% more power to the ground when pushing, backed up by stronger structures for greater durability.

## UP TO 50% MORE PRODUCTIVITY WITH CAT TECHNOLOGY

A broad range of Grade technology choices and new optional operator assist features help boost productivity so you get the most from your machine. Remote Flash and Remote Troubleshoot help improve jobsite efficiency by saving you time.

## BALANCED WORKLOAD

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







## BIGGER, STRONGER

Ideally balanced for both dozing and grading, the D5 delivers more weight and horsepower for even more power and versatility.



## 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.



**SPREAD MORE, GRADE MORE**  
**POWER TO PUSH YOU FORWARD**

OUTPACE THE COMPETITION

# WORK SMARTER. WORK SAFER.



## 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

An unprecedented selection of technology choices help you make the most of your equipment investment.

- + Grade technologies help operators of varied skill levels hit target grade faster and more accurately.
- + New optional operator assist features work together behind the scenes to help make machine operation easier.
- + Premium cab option offers optimal interior mounting locations that make it simple 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.
- + Link technologies, remote services and tools like the Cat App help connect you to your equipment to help save time and money on service and maintenance.
- + Machine Security System gives you the option to unlock your dozer using a display Passcode or Bluetooth® key.



CAT GRADE TECHNOLOGY

# BOOST YOUR PRODUCTIVITY

## FIRST PASS TO FINISH GRADE

Factory integrated Cat Grade with 3D uses a GPS signal to automatically adjust blade movements – both lift and tilt – as you follow the design. Save time, labor and materials on all phases of the job. The user-friendly 10-inch (254 mm) touchscreen grade display works like a smart phone, so it is easy for operators to pick up quickly. Antennas are integrated into the cab roof for even better protection.

## READY WHEN YOU ARE

With Attachment Ready Option (ARO), your dozer comes from the factory ready for simple installation of a grade control system. You will also find a mounting location and connections in the cab to make it easier to utilize your technology systems. ARO with Assist bundles the grade-control-ready option with features that work in the background to help operators get more done in less time.

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

## NO GPS SIGNAL? NO PROBLEM

Cat Grade with Slope Assist automatically maintains operator's pre-established blade position without a GPS signal. Put it to work building pads, creating simple design plans on-the-go, or working where GPS is unavailable. Slope Assist works seamlessly alongside 3D GPS systems.







## READY TO HELP

### OPERATOR ASSIST FEATURES

#### SMOOTH OPERATOR

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Stable Blade has been improved to make it even easier to get smoother surfaces faster when operating manually. Works seamlessly with operator blade inputs to help reduce imperfections and produce a smoother surface.

#### MAKE THE MOST OF EVERY PASS

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AutoCarry automates blade lift to help you get more consistent blade loads with each pass and reduce track slip. Works seamlessly with Grade with 3D but can now also be utilized when the dozer is not running in automatics.

#### OPTIMAL BLADE LOADS

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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.

#### KEEP PUSHING FORWARD

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Save time, effort, fuel and track wear. If high track slip is detected, Traction Control temporarily reduces track power so the operator can adjust blade load and limit the track slip.



# 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.





*Optional displays shown.*

## 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.

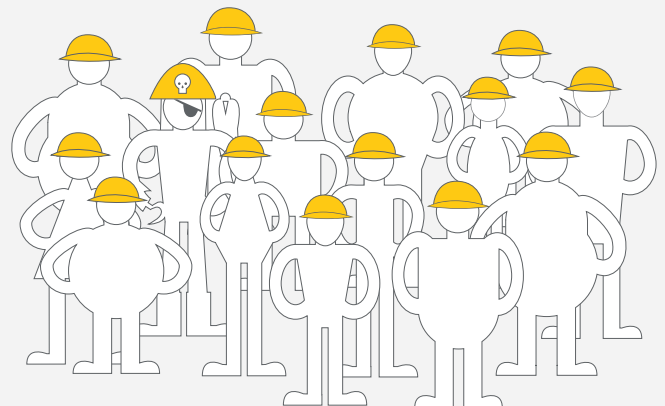
## WORK SPACE

Spacious, redesigned cab resets the industry standard for comfort and visibility. Enjoy a wider air-suspension seat and more storage space, along with updated heating/cooling to help keep you more comfortable and reduce window fogging/frosting too. Choose Premium cab options for even more comfort and productivity.

## OPERATOR FRIENDLY DISPLAY

Standard 8-inch (203 mm) gauge cluster gives you a clear view of machine/service functions and settings. Or choose an optional 10-inch (254 mm) touchscreen display with easy-to-use operator interface and High Definition rearview camera that shows prominently in the main display.

## 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.



## EXTRA EYES

Optional High Definition rearview camera 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, option allows for 30-minute cab removal, compared to four hours on previous models.

### REDUCE UNDERCARRIAGE COSTS

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

### 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.

### 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.

*All comparisons to previous model D5R2/D6N.*



# CAT LINK TECHNOLOGY

## TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

**Cat Link** telematics technology helps take the complexity out of managing your job sites by gathering data generated by your equipment, materials and people and serving it up to you in customizable formats.

### **CAT PRODUCT LINK™**

Product Link collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes and machine health can be viewed online through web and mobile applications.



### **VISIONLINK®**

Access information anytime, anywhere with VisionLink – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance and improve safety and security on your job site. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business, without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting or both.



### **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 to one or more machines remotely. You just need a designated person close to the machine to initiate/confirm the update.
- + **Remote Grade** lets you wirelessly manage site plans via Trimble Connect Services.
- + **Operator ID** lets you track machine operation by individual operator using the main display and Product Link.







EQUIPPED FOR THE JOB

# MAXIMIZE YOUR VERSATILITY

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## PRODUCTIVITY OUT FRONT

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

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## 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.

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## 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](http://cat.com) for complete specifications.

ENGINE		
Engine Model	Cat C7.1	
Emissions	Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3/ EU Stage IIIA	
Build Number	17B	
Power Train	Fully Automatic 3-Speed	
Net Power – 1,770 rpm		
ISO 9249/SAE J1349	127 kW	170 hp
ISO 9249/SAE J1349 (DIN)	172 mhp	
Displacement	7.1 L	433 in <sup>3</sup>
Fuel Tank	315 L	83.2 gal

- Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan, air cleaner and alternator.
- Net power is tested per ISO 9249:2007 and SAE J1349:2011.

WEIGHTS	OPERATING WEIGHT	GROUND PRESSURE*
VPAT	17 080 kg   37,655 lb	47.6 kPa   6.9 psi
LGP VPAT	19 070 kg   42,042 lb	32.6 kPa   4.7 psi
VPAT Fine Grading	17 680 kg   38,978 lb	41.4 kPa   6.0 psi
LGP Folding VPAT	19 340 kg   42,637 lb	32.9 kPa   4.8 psi
SU	17 240 kg   38,008 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 m <sup>3</sup>   4.6 yd <sup>3</sup>	3272 mm   10.7 ft
LGP VPAT	4.0 m <sup>3</sup>   5.2 yd <sup>3</sup>	4080 mm   13.4 ft
LGP Folding VPAT	4.2 m <sup>3</sup>   5.5 yd <sup>3</sup>	4080 mm   13.4 ft
SU	4.3 m <sup>3</sup>   5.6 yd <sup>3</sup>	3164 mm   10.4 ft

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 (to ROPS)	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 Folding, 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.

Configurations and features may vary by region. Please consult your Cat dealer for availability in your area.



# 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
Sound suppressed cab with Integrated Roll Over Protective Structure (IROPS)	•	
Comfort cab with fixed armrests	•	
Premium cab with adjustable operator controls/armrests		•
8-inch (203 mm) gauge cluster display	•	
Full-color 10-inch (254 mm) touchscreen display		•
Integrated rearview camera		•
Added storage areas	•	
Cloth seat	•	
Deluxe leather heated/ventilated seat		•
Communication radio ready		•
Lights – 4 LED	•	
Lights – 6 LED		•
Premium lights – 12 LED		•
Integrated warning lights		•
BLADES	STANDARD	OPTIONAL
VPAT	•	
Semi-Universal	•	
Foldable VPAT		•
Waste/Landfill		•
UNDERCARRIAGE	STANDARD	OPTIONAL
Standard or Low Ground Pressure (LGP) undercarriage	•	
Heavy Duty (HDXL with DuraLink) or Cat Abrasion	•	
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
30-minute cab removal		•
Fast fuel fill ready		•
Fast fuel pump		•
Ground-level service center	•	
High-speed oil change		•
Hydraulic fan	•	
Hydraulic reversing fan		•
Rear access ladder	•	
Shovel holder	•	
Underhood work light		•

CAT TECHNOLOGY	STANDARD	OPTIONAL
Slope Indicate	•	
ARO with Assist		
– Slope Assist		
– Traction Control		
– Stable Blade		•
– Blade Load Monitor		
– AutoCarry		
– Third-party grade control ready		
Cat Grade with 3D		
– Full-color 10-inch (254 mm) touchscreen grade display		
– Grade receivers and antennas		•
– Grade Software Enabled Attachment (SEA)		
– ARO with Assist features		
Compatibility with radios and base stations from Trimble, Topcon, and Leica	•	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	•	
Remote Flash/Troubleshoot	•	
Grade Connectivity		•
Operator ID	•	
Machine Security – Passcode	•	
Machine Security – Bluetooth		•
Remote Control Ready		•
Cat Command for Dozing		•
Product Link, Cellular	•	
Product Link, Dual Cellular/Satellite		•
HYDRAULICS	STANDARD	OPTIONAL
Independent steering and implement pumps	•	
Load sensing hydraulics	•	
ATTACHMENTS	STANDARD	OPTIONAL
Ripper-ready rear hydraulics		•
Ripper with straight or curved shanks		•
Winch		•
Drawbar	•	
Side and rear screens		•
Sweeps		•
Arctic/cold weather starting features		•
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](http://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](http://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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AEXQ2547-02  
Replaces AEXQ2547-01  
Build Number: 17B  
(Afr-ME, APD, Aus-NZ,  
CIS, S Am, Turkey)

