



Cat[®] D5

Track-Type Tractor

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.

Next Generation Performance, Automatically

- Succeeds the D6N/D5R2* in the 127 kW (170 hp) size class with added performance and efficiency.
- Fully automatic 3-speed transmission provides up to 16% better fuel efficiency.
- Push more with up to 13% more power to the ground.
- Improved steering, tighter turning radius, quicker turns at the end of each pass help you finish jobs faster.
- Get more done with seamless acceleration, faster cycle times and more nimble movement around the job site.
- No need to shift – just set your desired ground speed and the dozer adjusts for maximum fuel efficiency and power to the ground.
- Agility and ideal machine balance help you achieve high quality grades quickly.

New Level of Comfort, Visibility

- Spacious cab offers exceptional comfort and productivity.
- Plentiful glass area, steep hood angle provides excellent forward visibility.
- Air suspension seat has multiple adjustments for personalized comfort.
- Standard 8-inch (203 mm) gauge cluster operator interface gives you a clear view of machine/service functions and settings.
- Distributed cab heating/cooling circulates air more effectively around the operator and helps reduce window fogging/frosting.
- More storage spaces throughout the cab.
- A variety of cab options add to safety and comfort:
 - 10-inch (254 mm) touchscreen display with easy-to-use operator interface.
 - High Definition rearview camera shows prominently in the main display.
 - Entire armrest adjusts forward and backward independent of the seat.

More Durability, Less Maintenance

- Heavier, more robust machine helps increase uptime and reduce overall operating cost.
- 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.
- Heavy Duty Extended Life undercarriage – HDXL DuraLink™ – offers up to 20% more seal life in high impact conditions.
- New Cat Abrasion undercarriage is your lowest cost-per-hour solution for high abrasion and low impact jobsites. The new design offers double the seal life and eliminates bushing turns, reducing your costs up to 50% per hour compared to traditional undercarriage.

Save Time on Regular Maintenance

- Longer maintenance intervals and remote diagnostics for more uptime.
- Easy access to maintenance points and a new ladder at the back of the machine save you time on daily tasks.
- Reversible hydraulic demand fan helps remove debris while you work, saving cleanout and maintenance time.
- Extended filter life and longer life LED lights help save you time and money.
- Options give you easy access under the cab floor if needed, as well as 30-minute cab removal.



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Technology Options to Help Make Work Easier

- Choose from a variety of technology options, from simple Slope Indicate on the dash to full 3D GPS, to help boost overall productivity and efficiency.
- Cat Grade with Slope Assist™ automatically maintains operator's pre-established blade position without a GPS signal – no additional hardware or software needed.
- Attachment Ready Option (ARO) comes from the factory with key sensors and wiring installed so you can easily upgrade to fully integrated grade control or blade mounted systems.
- ARO with Assist technology package includes assist features that work behind the scenes to help make machine operation easier.
 - Blade Load Monitor¹
 - Stable Blade
 - Traction Control¹
 - AutoCarry™¹
- Factory integrated Cat Grade with 3D uses GPS to control the blade so you can get to design plan faster.
- Install the aftermarket grade control system of your choice easily with optimal mounting locations in the cab.

Boost Operator Efficiency

- Make the most of every pass with Blade Load Monitor to help you optimize blade capacity.¹
- Updated Stable Blade seamlessly works with operator inputs to help produce a smoother surface.
- Traction Control automatically reduces track slip to save you time, fuel and track wear.¹
- AutoCarry automates blade lift to help you maintain consistent blade load and help reduce track slip.¹
- Power train automatically controls brakes, transmission and steering to provide tighter turns and help operators more easily work on slopes.

Connect to Greater Efficiency

- Product Link™ collects machine data that can be viewed online through web and mobile applications.
- 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.
- 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 Troubleshoot saves time and money by allowing your Cat dealer to perform diagnostic testing remotely.²
- Remote Flash updates on-board software without a technician being present, at a time that is convenient for you, potentially reducing update time by as much as 50%.²

Saved Settings, Added Security

- Application Profile lets you save machine settings based on application or operator preference – save multiple profiles for various jobs or multiple operators.
- Operator ID allows you to save machine settings and to track individual operator productivity, safety and training opportunities via Product Link.³
- Operator ID with Security helps prevent theft and unauthorized operation by requiring an operator to enter an ID to start the machine.³

**All comparisons to D6N and D5R2 models based on region.*

¹ *Feature not operational indoors or in areas where a GPS signal is not available.*

² *Please consult your Cat dealer for availability.*

³ *Can be enabled by dealer technician.*

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN			CAT TECHNOLOGY		
Cat® C7.1 diesel engine	✓		Slope Indicate	✓	
Fully-automatic 3-speed transmission	✓		ARO with Assist		✓
Infinite ground speed adjustment	✓		– Slope Assist		
OPERATOR ENVIRONMENT			– Traction Control		
Sound suppressed cab with Integrated Roll Over Protective Structure (IROPS)	✓		– Stable Blade		
Comfort Cab with fixed armrests	✓		– Blade Load Monitor		
Premium cab with adjustable operator controls/armrests		✓	– AutoCarry		
8-inch (203 mm) gauge cluster display	✓		– Third Party Grade Control Ready		
Full-color 10-inch (254 mm) touchscreen display		✓	Cat Grade with 3D		✓
Integrated rearview camera		✓	– Full-color 10-inch (254 mm) touchscreen grade display		
Added storage areas	✓		– Grade receivers and antennas		
Cloth seat	✓		– Grade Software Enabled Attachment (SEA)		
Deluxe leather heated/ventilated seat		✓	– ARO with Assist features		
Communication radio ready		✓	Product Link, Cellular	✓	
Lights – 4 LED	✓		Product Link – Dual Cellular/Satellite		✓
Lights – 6 LED		✓	Remote Flash/Troubleshoot	✓	
Premium lights – 12 LED		✓	Grade Connectivity		✓
Integrated warning lights		✓	Operator ID	✓	
BLADES			Machine Security – Passcode	✓	
VPAT	✓		Machine Security – Bluetooth		✓
Semi-Universal	✓		Remote Control Ready		✓
Foldable VPAT		✓	Cat Command for Dozing		✓
Waste/Landfill		✓	HYDRAULICS		
UNDERCARRIAGE			Independent steering and implement pumps	✓	
Standard or Low Ground Pressure (LGP) undercarriage	✓		Load sensing hydraulics	✓	
Heavy Duty (HDXL with DuraLink) or Cat Abrasion	✓		ATTACHMENTS		
SERVICE AND MAINTENANCE			Ripper-ready rear hydraulics		✓
30-minute cab removal		✓	Ripper with straight or curved shanks		✓
Fast fuel fill ready		✓	Winch		✓
Fast fuel pump		✓	Drawbar	✓	
Ground level service center	✓		Side and rear screens		✓
High-speed oil change		✓	Sweeps		✓
Hydraulic fan	✓		Arctic/cold weather starting features		✓
Hydraulic reversing fan		✓	Forestry and Waste special arrangements		✓
Rear access ladder	✓				
Shovel holder	✓				
Underhood work light		✓			

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.

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Technical Specifications

Engine		
Engine Model	Cat C7.1	
Emissions	Brazil MAR-1, 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 ³
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, clean emissions module 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.

	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	N/A	N/A
VPAT Blade, Angled 25°	1982 mm	78.0 in	2049 mm	80.7 in	1876 mm	73.9 in	N/A	N/A
VPAT Blade Folding, Angled 31°	2110 mm	83.1 in	2214 mm	87.1 in	2005 mm	78.9 in	N/A	N/A
SU Blade	N/A	N/A	N/A	N/A	N/A	N/A	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.

	Blades			
	Capacity		Width	
VPAT/Folding VPAT	3.5 m ³	4.6 yd ³	3272 mm	10.7 ft
LGP VPAT	4.0 m ³	5.2 yd ³	4080 mm	13.4 ft
LGP Folding VPAT	4.2 m ³	5.5 yd ³	4080 mm	13.4 ft
SU	4.3 m ³	5.6 yd ³	3164 mm	10.4 ft

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



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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