



# Cat<sup>®</sup> D5

## Track-Type Tractor

***The new Cat<sup>®</sup> 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.

### **Technology to Save You Time, Boost Your Profits**

- Cat GRADE with Slope Assist™ automatically maintains pre-established blade position without a GPS signal – no additional hardware or software needed.
- 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, from bulk earthmoving all the way to finish grade.
- Better theft protection with antennas integrated into the cab roof and GPS receivers mounted inside the cab.
- New GRADE operator interface is more intuitive and easier to use: 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.
- AutoCarry™ automates blade lift to help you maintain consistent blade load and help reduce track slip.
- Slope Indicate shows machine cross-slope and fore/aft orientation right on the main display to help operators with slope work.
- Attachment Ready Option (ARO) comes from the factory with key sensors and wiring installed so you can easily upgrade to a fully integrated grade control or blade mounted system.
- Next generation dozers give you optimal mounting locations and floor routing, making it simple to install the aftermarket grade control system of your choice.

### **New Level of Comfort, Visibility**

- Spacious cab offers exceptional comfort and productivity.
- Plentiful glass area, steep hood angle provides excellent forward visibility.
- Optional 10-inch (254 mm) touchscreen display with easy-to-use operator interface.
  - High Definition rearview camera shows prominently in the main display.
  - Key Features button in the display gives you an overview of machine and technology features, along with some helpful operating tips.
- Optional air suspension seat has multiple adjustments for personalized comfort.
- Entire armrest adjusts forward and backward independent of the seat.
- Distributed cab heating/cooling circulates air more effectively around the operator and helps reduce window fogging/frosting.
- More storage spaces throughout the cab.

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



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## Boost Operator Efficiency

- Make the most of every pass with Blade Load Monitor to help you optimize blade capacity.<sup>1</sup>
- 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.<sup>1</sup>
- Power train automatically controls brakes, transmission and steering to provide tighter turns and help operators more easily work on slopes.

## 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.
- New Heavy Duty Extended Life undercarriage – HDXL DuraLink™ – offers up to 20% more seal life in high impact conditions.

## 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.
- Easy access under the cab floor if needed. Cab can be removed in about 30 minutes.

## Telematics, Remote Services Connect You 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.<sup>2</sup>
- 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%.<sup>2</sup>

## 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.<sup>3</sup>
- Operator ID with Security helps prevent theft and unauthorized operation by requiring an operator to enter an ID to start the machine.<sup>3</sup>

<sup>1</sup> Feature not operational indoors or in areas where a GPS signal is not available.

<sup>2</sup> Contact your Cat dealer for availability date by machine model.

<sup>3</sup> 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
<b>POWER TRAIN</b>			<b>BLADES</b>		
Cat C7.1 diesel engine	✓		VPAT	✓	
Fully-automatic 3-speed transmission	✓		Semi-Universal	✓	
Infinite ground speed adjustment	✓		Foldable VPAT		✓
<b>OPERATOR ENVIRONMENT</b>			Waste/Landfill		✓
Sound suppressed cab with Integrated Roll Over Protective Structure (IROPS)	✓		<i>For a full list of blade offerings, please refer to the D5 Technical Specifications brochure on cat.com.</i>		
8-inch (203 mm) gauge cluster display	✓		<b>UNDERCARRIAGE</b>		
Full-color 10-inch (254 mm) touchscreen display		✓	Standard or Low Ground Pressure (LGP) undercarriage	✓	
Integrated rearview camera		✓	Heavy Duty (HDXL with DuraLink) or SystemOne™	✓	
Premium cab with adjustable armrests		✓	Redesigned track roller frame	✓	
Cab mounted modular Heating/Ventilation/Air Conditioning (HVAC) system	✓		Moderate Service track shoes	✓	
Added storage areas	✓		Extreme Service track shoes		✓
Electrohydraulic implement and steering controls	✓		<i>For a complete listing of track shoe offerings, please refer to the D5 Technical Specifications brochure on cat.com.</i>		
Cloth seat	✓		<b>SERVICE AND MAINTENANCE</b>		
Deluxe leather heated/ventilated seat		✓	30-minute cab removal		✓
Communication radio ready	✓		Ecology drains	✓	
Application Profile		✓	Fast fuel fill ready		✓
Operator ID/Operator ID with Security	✓		Fast fuel pump		✓
Lights – 4 LED	✓		Ground level service center	✓	
Lights – 6 LED		✓	High-speed oil change		✓
Premium lights – 12 LED		✓	Hydraulic fan	✓	
Integrated warning lights		✓	Hydraulic reversing fan		✓
<b>CAT TECHNOLOGY</b>			Rear access ladder	✓	
Slope Indicate	✓		Remote Flash/Remote Troubleshoot		✓
ARO with Slope Assist		✓	Shovel holder	✓	
New Cat GRADE with 3D		✓	Underhood work light		✓
Full-color 10-inch (254 mm) touchscreen grade display		✓	<b>HYDRAULICS</b>		
AutoCarry (included in GRADE with 3D)		✓	Independent steering and implement pumps	✓	
Updated Stable Blade (included in ARO with Assist)		✓	Load sensing hydraulics	✓	
Traction Control (included in GRADE with 3D)		✓	<b>ATTACHMENTS</b>		
Blade Load Monitor (included in GRADE with 3D)		✓	Ripper-ready rear hydraulics		✓
Product Link, Cellular PLE641	✓		Ripper with straight or curved shanks		✓
Product Link Elite PLE783 – Dual Cellular/Satellite		✓	Winch		✓
			Drawbar	✓	
			Side and rear screens		✓
			Sweeps		✓
			Fine Grading arrangement		✓
			Forestry and Waste special arrangements		✓
			Fire Dozer configuration		✓

**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.

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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	17A	
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 hp
Displacement	7.1 L	433 in <sup>3</sup>
Fuel Tank	315 L	83.2 gal

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 Foldable, 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	

\*SystemOne Undercarriage.

Blades				
	Capacity		Width	
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 VPAT Foldable	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

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](http://www.cat.com)

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