



Cat[®] D5

Track-Type Tractor

The new 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. The fully automatic transmission gives you seamless acceleration, so you can get the job done quickly.

Next Generation Performance, Automatically

- Harness added weight and horsepower to take on a wide range of dozing and grading tasks.
- Improved steering, tighter turning radius, quicker turns at the end of each pass help you finish jobs faster.
- Fully automatic 3-speed transmission gives you 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.
- Take on heavier work with a new purpose-built push arm model.

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.
- Cat GRADE with 3D is now faster, more accurate and more flexible; position sensing cylinders are eliminated and there are no masts.
- New GRADE operator interface is more intuitive and easier to use. 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.
- Better theft protection with smaller antennas integrated into the cab roof and GPS receivers mounted inside the cab.
- 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

- Completely redesigned, more spacious cab for a whole new standard in comfort and productivity.
- More glass area, steeper hood angle provide 30% better forward visibility than the previous model.
- New 10-inch (254 mm) touchscreen display with easy-to-use operator interface.
- Standard 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.
- Wider 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.



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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
- 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

- Up to 10% lower maintenance costs.
- 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.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 previous model D6N.

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

² *Contact your Cat dealer for availability date by machine model.*

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			UNDERCARRIAGE		
Cat C7.1 diesel engine	✓		Heavy Duty (HDXL with DuraLink) or SystemOne™	✓	
Fully-automatic 3-speed transmission	✓		Redesigned track roller frame	✓	
Infinite ground speed adjustment	✓		Moderate Service or Extreme Service track shoes	✓	
OPERATOR ENVIRONMENT			<i>For a complete listing of track shoe offerings, please refer to the D5 Technical Specifications brochure on cat.com.</i>		
Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)	✓		SERVICE AND MAINTENANCE		
Full-color 10-inch (254 mm) touchscreen display	✓		30-minute cab removal	✓	
Integrated rearview camera	✓		Ecology drains	✓	
Comfort cab with fixed armrests	✓		Fast fuel fill ready		✓
Premium cab with adjustable armrests		✓	Fast fuel pump		✓
Cab mounted modular HVAC system	✓		Refilling fuel pump (EU only)		✓
Added storage areas	✓		Ground level service center	✓	
Electrohydraulic implement and steering controls	✓		High-speed oil change		✓
Cloth seat	✓		Hydraulic fan	✓	
Deluxe leather heated/ventilated seat		✓	Hydraulic reversing fan		✓
Communication radio ready	✓		Rear access ladder	✓	
Lights – 6 LED	✓		Remote Flash/Remote Troubleshoot		✓
Premium lights – 12 LED		✓	Shovel holder	✓	
Integrated warning lights		✓	Underhood work light		✓
Application Profile	✓		HYDRAULICS		
Operator ID/Operator ID with Security	✓		Independent steering and implement pumps	✓	
CAT TECHNOLOGY			Load sensing hydraulics	✓	
Slope Indicate	✓		ATTACHMENTS		
ARO with Slope Assist		✓	Ripper-ready rear hydraulics		✓
Updated Cat GRADE with 3D		✓	Winch-ready rear hydraulics		✓
Full-color 10-inch (254 mm) touchscreen grade display		✓	Ripper with straight or curved shanks		✓
AutoCarry		✓	Winch		✓
Updated Stable Blade (included in ARO with Assist)		✓	Drawbar	✓	
Traction Control		✓	Side screens		✓
Blade Load Monitor		✓	Rear screen – hinged or fixed		✓
Product Link, Cellular PLE 742, PLE743	✓		Sweeps		✓
Product Link Elite PLE783 – Dual Cellular/Satellite		✓	Fine Grading arrangement		✓
BLADES			Forestry and Waste special arrangements		✓
VPAT	✓		Fire Dozer configuration		✓
Semi-Universal	✓		Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.		
Foldable VPAT		✓	For additional information, refer to the Technical Specifications brochure available at www.cat.com or your Cat dealer.		
Waste/Landfill		✓			

For a full list of blade offerings, please refer to the D5 Technical Specifications brochure on cat.com.

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Technical Specifications

Engine		
Engine Model	Cat C7.1	
Emissions	U.S. EPA Tier 4 Final/ EU Stage V/ Japan 2014 (Tier 4 Final)/ Korea Tier 4 Final	
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 ³

- All non-road Tier 4 Interim and Final, Stage IIIB, IV and V, Japan 2014 (Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm EPA/10 ppm EU (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.

- Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

- 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 CO₂ equivalent of 1.946 metric tonnes.

Service Refill Capacities			
Fuel Tank	315 L	83.2 gal	
DEF Tank	16 L	4.2 gal	

	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	3.3 m ³	4.3 yd ³	3272 mm	10.7 ft
LGP VPAT	3.9 m ³	5.1 yd ³	4080 mm	13.4 ft
LGP VPAT Foldable	3.9 m ³	5.1 yd ³	4080 mm	13.4 ft
SU	4.3 m ³	5.6 yd ³	3164 mm	10.4 ft
SU – Narrow*	—	—	3122 mm	10.2 ft

*Europe Only. Width with end bits removed.

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

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 (without trunnions)	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.

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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