



Cat[®] D7

Track-Type Tractor

The new Cat[®] D7 is fully redesigned with more weight and horsepower and a bigger blade for up to 11% more productivity. A standard fully automatic 4-speed transmission helps you move up to 10% more material per gallon/liter of fuel. Do it all in a new cab that resets the industry standard for operator comfort and productivity.

Next Generation Performance

- Harness more weight and higher horsepower than the D7R to move up to 11% more material per hour.
- Up to 10% better dozing efficiency – move more material per gallon/liter of fuel.
- Fully automatic 4-speed powershift transmission with lock-up clutch continuously adjusts for maximum efficiency and power to the ground without added operator input.
- SU and S blades are 10% larger to help you get jobs done in fewer passes.
- Improved steering under load for greater productivity.
- Long undercarriage is standard, with more track at the rear of the machine for superior dozing performance.
- Outfit your dozer from the factory to take on the challenges of waste handling, land clearing and more.

Comfort and Visibility

- Fully redesigned cab is more spacious and provides exceptional comfort and productivity.
- Integrated Roll Over Protective Structure (ROPS) offers more visibility to the sides of the machine.
- Standard 8-inch (203 mm) gauge cluster operator interface gives you a clear view of machine/service functions and settings.
- Air suspension seat has multiple adjustments for personalized comfort.
- 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.

Built-in Durability

- Heavier frame and D8-sized structures for added durability.
- Redesigned fuel system provides greater reliability and more accurate fuel delivery.
- New Heavy Duty Extended Life undercarriage – HDXL with DuraLink™ – provides up to 20% more seal life in high impact conditions.
- Elevated sprocket protects major components from shock loads.

Because Uptime Counts

- New track roller frame with larger roller shafts adds durability and ease of cleanout.
- Optional reversible hydraulic demand fan helps remove debris while you work, saving cleanout and maintenance time.
- Longer life LED lights help save you time and money.
- Optional features allow easy access under the cab floor if needed, as well as 30-minute cab removal.
- Optional platform with guard rail makes refueling more convenient.
- Standard dozer under 3.7 m (12 ft) shipping width for easier transport with blade installed.



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Take on the Trash

- Waste Handler/Landfill dozer offers specialized guarding, striker bars and seals help protect the machine from impact and airborne/wrapping debris.
- High-debris cab has impact-resistant polycarbonate doors and dual pane windows – eliminates the need for door screens.
- High-debris cooling system with automatic reversing fan and slots for easy cleanout access.
- Specialized air handling features help deliver cleaner air to the machine.
- Landfill blades and center-hole track shoes help optimize your waste handler for the job.

Equipped for the Job

- Choose from a variety of factory-installed options to help protect your machine and operator in tough applications like Forestry and Pipeline.
- High debris cab, window screens and sweeps for added operator protection.
- Factory connections make it easy to equip your dozer with a winch or ripper.
- Outfit your dozer with Angle, Semi-Universal or Straight blade.

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.

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 Troubleshoot² saves time and money by allowing your Cat dealer to perform diagnostic testing remotely.
- Remote Flash² 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%.

Remote Control Ready

- Premium Cab package includes remote control ready wiring, allowing for dealer installation of a plug-and-play roof-mounted remote control unit.
- Cat Command for Dozing² provides a remote control solution for enhanced safety and greater productivity and is offered as a Command Console for line-of-sight (LOS) remote control, or with a Command Station for LOS and non-line-of-sight (NLOS) remote control.

All comparisons to D7R

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

²Please consult your Cat dealer for availability.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN			CAT TECHNOLOGY (continued)		
Fully-automatic 4-speed transmission	✓		Remote Flash/Troubleshoot	✓	
Cat® C9.3B diesel engine	✓		Grade Connectivity		✓
Double reduction 3-planet planetary final drives	✓		Operator ID		✓
Electric fuel priming pump	✓		Machine Security – Passcode	✓	
OPERATOR ENVIRONMENT			Machine Security – Bluetooth®		✓
Fully redesigned sound suppressed cab with Integrated Roll Over Protective Structure (IROPS)	✓		Remote Control Ready		✓
8-inch (203 mm) gauge cluster display	✓		Cat Command for Dozing		✓
Full-color 10-inch (254 mm) touchscreen display		✓	BLADES		
Integrated rearview camera		✓	Semi-Universal		✓
Premium cab with adjustable armrests		✓	Universal		✓
Cab mounted modular Heating/Ventilation/Air Conditioning (HVAC) system	✓		Straight blade		✓
Added storage areas	✓		Angle blade		✓
Electrohydraulic implement and steering controls	✓		Waste/Landfill		✓
Cloth seat	✓		UNDERCARRIAGE		
Deluxe leather heated/ventilated seat		✓	Heavy Duty (HDXL with DuraLink)	✓	
Communication radio ready		✓	Moderate Service or Extreme Service track shoes		✓
Application Profile		✓	Waste undercarriage		✓
Lights – 4 LED	✓		SERVICE AND MAINTENANCE		
Lights – 6 LED		✓	Hydraulic reversing fan		✓
Premium lights – 12 LED		✓	Fender access guard rail with built-in shovel holder		✓
Integrated warning lights		✓	Ground level service center	✓	
CAT TECHNOLOGY			30-minute cab removal		✓
Slope Indicate	✓		Quick access cab floor		✓
ARO with Assist		✓	Ecology drains		✓
– Slope Assist			High-speed oil change		✓
– Traction Control			Underhood work light		✓
– Stable Blade			HYDRAULICS		
– Blade Load Monitor			Independent steering and implement pumps	✓	
– AutoCarry			Load sensing hydraulics	✓	
– Third Party Grade Control Ready			ATTACHMENTS		
Cat Grade with 3D		✓	Fixed parallelogram ripper/curved shanks		✓
– Full-color 254 mm (10 in) touchscreen grade display			Adjustable parallelogram ripper/curved shanks		✓
– Grade receivers and antennas			Winch		✓
– Grade Software Enabled Attachment (SEA)			Drawbar		✓
– ARO with Assist features			Striker bar box		✓
Product Link, Cellular	✓		Side and/or rear screens		✓
Product Link – Dual Cellular/Satellite		✓	Sweeps		✓

(continued)

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 C9.3B	
Emissions	Brazil MAR-1, equivalent to U.S. EPA Tier 3/EU Stage IIIA	
Build Number	17A	
Power Train	Fully Automatic 4-Speed	
Net Power – 2,200 rpm		
ISO 9249/SAE J1349	197 kW	265 hp
ISO 9249/SAE J1349 (DIN)	268 mhp	
Displacement	9.3 L	567 in ³
Fuel Tank	620.0 L	165.0 gal
<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 and alternator. • Net power is tested per ISO 9249:2007 and SAE J1349:2011. 		

Weights				
	Operating Weight		Ground Pressure**	
SU with Ripper	29 776 kg	65,644 lb	72.1 kPa	10.5 psi
LGP S with Drawbar	28 677 kg	63,220 lb	43.4 kPa	6.3 psi
Waste Handler	28 140 kg	62,035 lb	68.3 kPa	9.9 psi
<i>SU ripper weight with three ripper shanks = 2993 kg/6,596 lb.</i>				
**Standard size shoes and drawbar attachment per ISO 16754.				

Blades	Capacity		Width	
Semi-Universal (SU)	7.4 m ³	9.7 yd ³	3500 mm	138.0 in
LGP Straight (S)	6.2 m ³	8.1 yd ³	4150 mm	163.0 in
Angle (A)	4.2 m ³	5.4 yd ³	4320 mm	170.0 in
LGP Angle (A)	4.7 m ³	6.2 yd ³	4770 mm	188.0 in
Universal (U)	8.6 m ³	11.2 yd ³	3788 mm	149.0 in
Universal Landfill	16.6 m ³	21.7 yd ³	3788 mm	149.0 in

Dimensions*						
	SU		LGP S		Waste Handler	
Track Gauge	1981 mm	78.0 in	2235 mm	88.0 in	1981 mm	78.0 in
Width of Standard Shoe	610 mm	24.0 in	915 mm	36.0 in	610 mm	24.0 in
Width of Tractor (without trunnions)	2591 mm	102.0 in	3150 mm	124.0 in	2591 mm	102.0 in
Machine Height (to ROPS)	3354 mm	132.0 in	3354 mm	132.0 in	3354 mm	132.0 in
Machine Height (to ROPS) including Grouser Height	3436 mm	135.3 in	3428 mm	135.0 in	3436 mm	435.3 in
Length of Track on Ground	2972 mm	117.0 in	3200 mm	126.0 in	2972 mm	117.0 in
Length of Basic Tractor	4659 mm	183.4 in	4659 mm	183.4 in	4659 mm	183.4 in
With the following attachments, add to basic tractor length:						
SU Blade	1125 mm	44.0 in			1125 mm	44.0 in
S Blade			840 mm	33.0 in		
U Blade	1365 mm	54.0 in			1365 mm	54.0 in
Landfill Blade	1125 mm	44.0 in	840 mm	33.0 in	1125 mm	44.0 in
Drawbar	260 mm	10.2 in	270 mm	10.6 in	260 mm	10.2 in
Ripper	1555 mm	61.2 in	1565 mm	61.6 in	1555 mm	61.2 in
Winch	735 mm	28.9 in	745 mm	29.3 in	735 mm	28.9 in

*Heavy Duty Undercarriage

Some features and configurations may not be available in all areas. Please consult your Cat dealer for availability.



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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