



# Cat<sup>®</sup> D6

## Track-Type Tractor

***The Cat<sup>®</sup> D6 dozer helps you move material at a lower cost with a fully automatic transmission, outstanding fuel efficiency and reduced service/maintenance costs. The broadest range of technology features in the industry work together seamlessly to help you make the most of your equipment investment. The D6 is legendary versatility you have come to trust, with added performance and efficiency to help you take your business to the next level.***

### More Efficient

- Up to 20 percent better fuel efficiency.<sup>1</sup>
- Use up to 13 percent less fuel.<sup>2</sup>
- Fully automatic 4-speed transmission continuously adjusts for maximum efficiency and power to the ground without added operator input.
- Full auto shift up and down entire working range to maximize fuel efficiency.
- Lower greenhouse gas emissions – up to 13 percent less CO<sub>2</sub>.

### Greater Productivity

- Move up to 20 percent more material per liter/gallon of fuel used.
- Move up to 5 percent more material per hour.
- Fully redesigned with updated configurations so you can build just the right machine for the work you do:
  - Purpose-built Variable Power Angle Tilt (VPAT) tractor features a new frame and optimized balance for grading – no need for rear attachment.
  - New LGP VPAT design, with 915 mm (36 in) centered shoes, offers 34 kPa (5 psi) ground pressure.
  - Wider blade on the LGP VPAT for more efficient high-speed grading.
  - Class-leading VPAT range of motion for improved performance, especially when trenching or backfilling.
  - VPAT blade remains level when angled for smoother grade.
- More robust push arm dozer for heavy applications with larger SU blade capacity.
- New 10-roller undercarriage option designed for smoother grades at higher speeds, even in difficult surfaces like sand and gravel.

### Unprecedented Technology Choices

- Cat Grade with Slope Assist<sup>™</sup> automatically maintains operator's pre-established blade position without a GPS signal – no additional hardware or software needed.
- Factory integrated Cat Grade with 3D uses GPS to control the blade so you can get to design plan faster.
- Cat Grade with 3D has no masts – small antennas are integrated into the cab roof and GPS receivers are mounted inside the cab for better protection.
- Grade operator interface is intuitive and easier to use: 10-inch (254 mm) touchscreen, Android OS platform, operates like a smart phone.
- 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 fully integrated grade control or blade mounted system.
- Install the aftermarket grade control system of your choice easily with optimal mounting locations in the cab.

### Boost Operator Efficiency

- New assist features work behind the scenes to help make machine operation easier.
- Make the most of every pass with Blade Load Monitor to help you optimize blade capacity.<sup>3</sup>
- Stable Blade works seamlessly with operator inputs to help produce a smoother surface.
- Traction Control automatically reduces track slip to save you time, fuel and track wear.<sup>3</sup>
- AutoCarry automates blade lift to help you maintain consistent blade load and help reduce track slip.<sup>3</sup>



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## More Durability

- Cat C9.3B engine eliminates Exhaust Gas Recirculation (EGR) system for greater reliability; simplified with a single engine Electronic Control Module (ECM) and improved engine air filter.
- Redesigned fuel system provides greater reliability and more accurate fuel delivery.
- Heavy Duty Extended Life undercarriage – HDXL with DuraLink™ – features Positive Pin Retention pins and link improvements for up to 20 percent 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 percent per hour compared to traditional undercarriage. Reduces link scalloping for smoother operation.
- Common structures for Heavy Duty and Cat Abrasion undercarriage enable changes from one to the other.
- Purpose-built Waste and Forestry arrangements.

## Ease of Operation

- Completely redesigned, more spacious cab for a whole new standard in comfort and productivity.
- 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.

## 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 jobsite.
- 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>4</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 percent.<sup>4</sup>

## Reduced Maintenance Time and Cost

- Up to 9 percent lower maintenance cost – designed specifically to save you money with updated components, longer service intervals, fewer scheduled maintenance tasks.
- Fewer filters and service points save you time and money on routine maintenance.
- Cab air filter replacement extended to 500 hours.
- Optional powered precleaner extends cab filter replacement to 1,000 hours.
- Standard reversing fan extends the time between core clean-outs.
- 30-minute cab removal, if needed.
- Modular, self-contained HVAC unit is easier to service.

## Safety

- Approximately 15 percent more glass area and Integrated ROPS offers added visibility.
- Hood design and alignment of the exhaust and precleaner provide a better view to the front of the tractor.
- Bluetooth® microphone gives you hands-free access to your mobile phone.
- Standard ladder at the back of the machine for convenient access for fuel fill, window cleaning and maintenance.
- Ground-level access to optional fast fuel fill.
- Grab rail on both sides of cab roof and tie offs provide added safety.
- Improved cab filtration for cleaner operator environment.
- Optional integrated LED warning lights.

## 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 Dozing<sup>4</sup> provides a remote control solution for enhanced safety and greater productivity and is offered as Command Console for line-of-sight (LOS) remote control, or with a Command Station for non-line-of-sight (NLOS) remote control.

*All comparisons to 2014-2016 3-speed D6T (U.S. EPA Tier 4 Final/EU Stage IV). Maintenance comparisons to D6T over initial 10,000 hours of operation.*

<sup>1</sup> Material moved per liter/gallon of fuel.

<sup>2</sup> Liters/gallons per hour.

<sup>3</sup> Feature not operational indoors or in areas where GPS signal is not available.

<sup>4</sup> Please 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
<b>POWER TRAIN</b>			<b>CAT TECHNOLOGY</b>		
Fully-automatic 4-speed transmission	✓		Slope Indicate	✓	
Cat C9.3B diesel engine	✓		ARO with Assist		✓
Double reduction planetary final drives	✓		– Slope Assist		
Hydraulic reversing fan	✓		– Traction Control		
<b>OPERATOR ENVIRONMENT</b>			– Stable Blade		
Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)	✓		– Blade Load Monitor		
Full-color 10-inch (254 mm) liquid crystal touchscreen display	✓		– AutoCarry		
Integrated rearview camera	✓		– Third Party Grade Control Ready		
Adjustable operator controls/armrests	✓		Cat Grade with 3D		✓
Powered precleaner		✓	– 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 – 6 LED	✓		Product Link – Dual Cellular/Satellite		✓
Premium lights – 12 LED		✓	Remote Flash/Troubleshoot	✓	
Integrated warning lights		✓	Grade Connectivity		✓
<b>BLADES</b>			Operator ID	✓	
Semi-Universal		✓	Machine Security – Passcode	✓	
VPAT		✓	Machine Security – Bluetooth		✓
Straight blade		✓	Remote Control Ready	✓	
Angle blade		✓	Cat Command for Dozing		✓
Foldable VPAT – under 3 m (9.9 ft) transport width (Not available in all regions)		✓	<b>UNDERCARRIAGE</b>		
Waste/Landfill		✓	Heavy Duty (HDXL with DuraLink) or Cat Abrasion		✓
<b>SERVICE AND MAINTENANCE</b>			10-Roller Fine Grading undercarriage		✓
Fast fuel fill		✓	<b>HYDRAULICS</b>		
Rear access ladder	✓		Independent steering and implement pumps	✓	
Shovel holder	✓		Load sensing hydraulics	✓	
Ground level service center	✓		<b>ATTACHMENTS</b>		
30-minute cab removal	✓		Ripper-ready rear hydraulics	✓	
High-speed oil change		✓	Ripper and winch-ready rear hydraulics		✓
Rear implement work light		✓	High lift ripper		✓
Underhood work light	✓		Winch		✓
			Drawbar		✓
			Counterweights		✓
			Side and/or rear screens		✓
			Sweeps		✓
			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.

# Cat® D6 Track-Type Tractor

## Technical Specifications

<b>Power Train</b>	Fully Automatic Mechanical	
<b>Engine</b>	Cat C9.3B	
<b>Emissions</b>	U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final	
<b>Build Number</b>	20B	
<b>Net Power at Rated Speed – 2,200 rpm</b>		
<b>ISO 9249/SAE J1349</b>	161 kW	215 hp
<b>ISO 9249/SAE J1349 (DIN)</b>	219 mhp	
<b>Fuel Tank</b>	341 L	90 gal
<b>DEF Tank</b>	28 L	7.4 gal

Blade	Capacity		Width	
	m <sup>3</sup>	yd <sup>3</sup>	mm	ft
<b>SU</b>	5.7 m <sup>3</sup>	7.5 yd <sup>3</sup>	3312 mm	10.9 ft
<b>LGP SU</b>	5.8 m <sup>3</sup>	7.6 yd <sup>3</sup>	3613 mm	11.9 ft
<b>LGP S</b>	3.8 m <sup>3</sup>	5.0 yd <sup>3</sup>	4063 mm	13.3 ft
<b>VPAT</b>	4.1 m <sup>3</sup>	5.4 yd <sup>3</sup>	3680 mm	12.1 ft
<b>LGP VPAT (30-in)</b>	4.5 m <sup>3</sup>	5.9 yd <sup>3</sup>	4000 mm	13.1 ft
<b>LGP VPAT (36-in)</b>	4.9 m <sup>3</sup>	6.5 yd <sup>3</sup>	4340 mm	14.2 ft

- 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.
- All non-road Tier 4 Interim and Final, Stage IIIB, IV and V, 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 CO<sub>2</sub> equivalent of 1.946 metric tonnes.

Configuration	D6		D6 LGP (30-in)		D6 LGP (36-in)		D6 VPAT		D6 LGP (30-in) VPAT		D6 LGP (36-in) VPAT	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
<b>Operating Weight<sup>1</sup></b>	22 130	48,788	22 870	50,420	23 911	52,715	22 275	49,108	23 012	50,733	23 547	51,912
<b>Ground Pressure</b>	54 kPa	7.9 psi	45 kPa	6.5 psi	36 kPa	5.2 psi	49 kPa	7.1 psi	40 kPa	5.9 psi	34 kPa	5.0 psi
<b>Machine Height</b>	3.17 m	124.9 in	3.17 m	124.9 in	3.22 m	126.9 in	3.22 m	126.9 in	3.22 m	126.9 in	3.22 m	126.9 in
<b>Length of Machine without Blade</b>	4.73 m	186.2 in	4.73 m	186.2 in	5.04 m	198.4 in	5.13 m	202.1 in	5.13 m	202.1 in	5.13 m	202.1 in
<b>Ground Clearance</b>	361 mm	14.2 in	361 mm	14.2 in	395 mm	15.6 in	422 mm	16.6 in	395 mm	15.6 in	383 mm	15.1 in
<b>Track Gauge</b>	1.93 m	76 in	2.08 m	82 in	2.29 m	90 in	2.08 m	82 in	2.29 m	90 in	2.39 m	94 in
<b>Width over Trunnions</b>	2.69 m	106 in	2.99 m	118 in	3.49 m	137.4 in	—	—	—	—	—	—
<b>Width across End Bits</b>	3.30 m	10.83 ft	3.61 m	11.84 ft	4.06 m	13.32 ft	3.68 m	13.32 ft	4.00 m	13.12 ft	4.34 m	14.24 ft
<b>Width across End Bits, Angled</b>	—	—	—	—	—	—	3.36 m	11.02 ft	3.65 m	11.99 ft	3.97 m	13.02 ft
<b>Width of Standard Track Shoe</b>	610 mm	24 in	760 mm	30 in	915 mm	36 in	610 mm	24 in	760 mm	30 in	915 mm	36 in
<b>Length of Track on Ground</b>	2.96 m	116.7 in	2.96 m	116.7 in	3.25 m	127.8 in	3.25 m	127.8 in	3.36 m	132.1 in	3.36 m	132.1 in

<sup>1</sup> With Multi-Shank Ripper (three shanks) add 1696 kg (3,739 lb).

For complete specifications and offerings, please reference the Technical Specifications document at [www.cat.com](http://www.cat.com) or consult your local 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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