



# Cat<sup>®</sup> D6 XE

## Track-Type Tractor

**The new Cat<sup>®</sup> D6 XE is the world's first high drive Electric Drive dozer, offering you the highest level of productivity, fuel efficiency and ease of operation. With next-generation Electric Drive technology there are no gears to shift, so you experience constant power to the ground, greater agility and faster cycle times. Put more profit in your pocket too, with up to 35 percent better fuel efficiency and reduced service/maintenance costs. A choice of Cat Connect GRADE technology features adds to ease of operation by helping you save even more time, material and operator effort to help you take your business to the next level.**

### More Efficient

- Up to 35 percent better fuel efficiency<sup>1</sup>
- Use up to 23 percent less fuel<sup>2</sup>
- Electric Drive provides constant power to the ground
- Class-leading maneuverability and power gives you more agility and faster cycle times
- Unprecedented ease of operation – automatically optimizes for the application with no gears to shift
- Lower greenhouse gas emissions – up to 23 percent less CO<sub>2</sub>

### Greater Productivity

- Move up to 35 percent more material per liter/gallon of fuel used
- Move up to 10 percent more material per hour
- Added D6 XE productivity and reduced fuel cost mean customers looking for these benefits can expect to see payback of the added investment over a D6 in less than two years<sup>3</sup>
- 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 35 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
- Execute pivot turn or full counter-rotation while in gear

### Durability

- Almost 90 percent fewer rotating parts than a traditional power train – generates less heat, aids serviceability and component life – no loss of efficiency over time
- Next generation Electric Drive technology: Switched Reluctance system with simple, more robust rotor design
- D6 XE Electric Drive Power Train Assurance Plan offers added Confidence
  - Covers parts and labor on the Electric Drive power train for seven-years/20,000 hours
  - Fully transferable
- New 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
- New 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
- Common structures for Heavy Duty and SystemOne™ undercarriage enable changes from one to the other
- Purpose-built Waste and Forestry arrangements

*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> Productivity = BCM (BCY)/hour, fuel consumption = L (gal)/hour. Estimates based on average cost per bank cubic meters (cubic yards) of material moved in typical construction applications with 1,500 hours/year. Individual results may vary based on application, hour utilization, operator and other factors.



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## Cat Connect Technology

- Cat GRADE with Slope Assist™ automatically maintains pre-established blade position without a GPS signal
- Updated Cat GRADE with 3D offers greater speed, accuracy and flexibility
  - Factory-integrated system eliminates position sensing cylinders
  - Antennas integrated into the cab roof for better protection
- AutoCarry™ automates blade lift to maximize blade load, improve load consistency, reduce track slip
- Standard Slope Indicate displays machine cross-slope and fore/aft orientation right on the main display
- Factory Attachment Ready Option (ARO) simplifies installation of all brands of grade control system
- 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

## Ease of Operation

- Completely redesigned cab for a whole new standard in visibility, comfort, productivity
  - New 254 mm (10 in) touchscreen display with easy-to-use operator interface
  - Grade Control display and main display positions can be swapped
  - Application Profile saves preferred machine settings
- Distributed cab heating/cooling circulates air more effectively around the operator and helps reduce window fogging/frosting
- Viscous cab mounts reduce vibration for greater operator comfort
- Wider air suspension seat has multiple adjustments for personalized comfort
- Entire armrest adjusts forward and backward independent of the seat
- Detented thumbwheel on the steering control allows easy speed setting changes
- More storage spaces throughout the cab

## Reduced Service and Maintenance Costs

- Up to 12 percent lower maintenance cost – designed specifically to save you money with updated components, longer service intervals, fewer scheduled maintenance tasks
- Elevated sprocket allows power train to slide out from the back of the dozer like traditional machine
- Simplified Electric Drive diagnostics via Electronic Technician
- New, serviceable power electronics components with easy access through a panel in the back of the cab
- Fewer filters and service points save you time and money on routine maintenance
- Cab air filter replacement extended to 500 hours
- Standard reversing fan extends the time between core clean-outs
- Generator accessible via 30-minute cab removal
- Modular, self-contained HVAC unit is easier to service
- Power train oil life extended from 1,000 to 2,000 hours

## Safety

- Approximately 15 percent more glass area and Integrated ROPS offers added visibility
- Standard integrated High Definition (HD) rearview camera in the primary display
- 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 beacon warning lights
- Quieter inside and out – operator and spectator sound levels reduced 3 dB(A)

## 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>UNDERCARRIAGE</b>		
Electric Drive	✓		Heavy Duty (HDXL with DuraLink) or SystemOne		✓
Cat C9.3B diesel engine	✓		Redesigned track roller frame	✓	
Double reduction planetary final drives	✓		10-Roller Fine Grading undercarriage		✓
Hydraulic reversing fan	✓		Moderate Service or Extreme Service track shoes		✓
<b>OPERATOR ENVIRONMENT</b>			<i>For a complete listing of track shoe offerings, please refer to the D6/D6 XE Technical Specifications brochure on cat.com.</i>		
Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)	✓		<b>SERVICE AND MAINTENANCE</b>		
Full-color 254 mm (10 in) liquid crystal touchscreen display	✓		Fast fuel fill ready	✓	
Integrated rearview camera	✓		Fast fuel pump		✓
Adjustable operator controls/armrests	✓		Refilling fuel pump (EU only)		✓
Cab mounted modular HVAC system	✓		Rear access ladder	✓	
Added storage areas	✓		Shovel holder	✓	
Electrohydraulic implement and steering controls	✓		Ground level service center	✓	
Cloth seat	✓		30-minute cab removal	✓	
Deluxe leather heated/ventilated seat		✓	Fire extinguisher mounting provision	✓	
Communication radio ready	✓		Ecology drains	✓	
Lights – 6 LED	✓		High-speed oil change		✓
Premium lights – 12 LED		✓	Underhood work light	✓	
Integrated warning lights		✓	<b>HYDRAULICS</b>		
<b>CAT CONNECT TECHNOLOGY</b>			Independent steering and implement pumps	✓	
Slope Indicate	✓		Load sensing hydraulics	✓	
Attachment Ready Option (ARO) with Assist/Cat GRADE with Slope Assist	✓		<b>ATTACHMENTS</b>		
Cat GRADE with 3D		✓	Ripper-ready rear hydraulics	✓	
Product Link, Cellular PLE641	✓		Ripper and winch-ready rear hydraulics	✓	
Product Link Elite PLE631 – Dual Cellular/Satellite		✓	High lift ripper with straight or curved shanks		✓
<b>BLADES</b>			Winch		✓
Semi-Universal		✓	Drawbar		✓
VPAT		✓	Counterweights		✓
Straight blade		✓	Side screens		✓
Angle blade		✓	Rear screen – hinged or fixed		✓
Foldable VPAT – under 3 m (9.9 ft) transport width (not available in all regions)		✓	Sweeps		✓
Waste/Landfill		✓	Forestry and Waste Special Arrangements		✓

For a full list of blade offerings, please refer to the D6/D6 XE Technical Specifications brochure on cat.com.

**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 XE Track-Type Tractor

## Technical Specifications

<b>Power Train</b>	Electric Drive	
<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>	20A	
<b>Net Power (Rated) – 1,700 rpm</b>		
<b>ISO 9249/SAE J1349</b>	161 kW	215 hp
<b>ISO 9249/SAE J1349 (DIN)</b>	219 hp	
<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>	5.8 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

- 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 XE		D6 XE LGP (30-in)		D6 XE LGP (36-in)		D6 XE VPAT		D6 XE LGP (30-in) VPAT		D6 XE LGP (36-in) VPAT	
	m	in	m	in	m	in	m	in	m	in	m	in
<b>Operating Weight<sup>1</sup></b>	22 273 kg	49,100 lb	23 013 kg	50,730 lb	24 139 kg	53,215 lb	22 513 kg	49,630 lb	23 248 kg	51,250 lb	23 803 kg	52,475 lb
<b>Ground Pressure</b>	54.7 kPa	8.0 psi	46.7 kPa	6.7 psi	35.7 kPa	5.2 psi	49.7 kPa	7.2 psi	40.7 kPa	5.9 psi	35.7 kPa	5.1 psi
<b>Machine Height</b>	3.17 m	124.9 in	3.17 m	124.9 in	3.18 m	125.1 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	4.730 m	186.2 in	3.22 m	126.9 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	411 mm	16.2 in	422 mm	16.6 in	390 mm	15.4 in	383 mm	15.1 in
<b>Track Gauge</b>	1.93 m	76 in	2.08 mm	82 in	2.28 m	90 in	2.08 mm	82 in	2.29 m	90 in	2.39 m	94 in
<b>Width over Trunnions</b>	2.69 mm	106 in	2.99 m	118 in	3.49 m	137.4 in	—	—	—	—	—	—
<b>Width across End Bits</b>	3.30 m	10 ft 10 in	3.61 m	11 ft 10 in	3.92 m	12 ft 10 in	3.68 m	12 ft	4.00 m	13 ft 2 in	4.34 m	14 ft 3 in
<b>Width across End Bits, Angled</b>	—	—	—	—	—	—	3.36 m	11 ft	3.66 m	12 ft	3.97 m	13 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	117 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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