



# Cat<sup>®</sup> D9

## Dozer

**Nearly half the large dozers Caterpillar sells are D9 Dozers – and for good reason. They're the right choice for dozens of applications and environments, thanks to unmatched reliability, long life and a wide range of application-specific blades. Like all Cat<sup>®</sup> dozers, the productive and efficient D9 is a fully integrated Cat machine – 100 percent designed by Caterpillar and built with all Cat components that work together to deliver top performance and high availability. With the D9, you'll move more dirt at the lowest possible cost.**

### Delivering the Lowest Owning and Operating Costs

- Lower overall cost/bank cubic meter – up to 3%.
- High efficiency, less fuel – torque converter with stator clutch reduces fuel consumption by up to 5%.
- Up to 4% maintenance and repair savings – thanks to features like integrated AutoLube System, fewer greasing points, longer filter change intervals, easy component removal and continuous fluid level monitoring.
- Frame is built to absorb high-impact shock loads and twisting forces encountered during severe dozing and ripping applications.
- Power train and main components are built to be rebuilt – for a cost-effective second life of like-new performance at a fraction-of-new price.

### The Right Dozer for Your Application

- The D9 is versatile enough to be used in a variety of applications, including ripping overburden, production dozing, site maintenance, fleet support and reclamation.
- Perfect for use in heavy construction, quarries, landfills, stockpiles, forestry and mine sites.
- Powerful Cat C18 Engine is available in U.S. EPA Tier 2, U.S. EPA Tier 3, U.S. EPA Tier 4 Final and EU Stage V configurations.
- The fully suspended undercarriage provides more ground contact, leading to less slippage and more overall productivity in all applications.
- Continuous power to both tracks for smooth turning control and excellent maneuverability in every application...all while keeping ground speed high, resulting in greater productivity.

### Designed for Safety and Comfort

- The D9 has been infused with safety to help operators feel safe and comfortable on the job.
- Operator station offers an exceptional viewing area to give the operator a clear line of sight to front and rear working areas.
- Unique features such as the optional powered access ladder and 360 Vision Display – as well as forward-hinging cab door, retention pins on bottom guards and removed lift cylinder grease points – provide a greater level of safety for operators and service personnel.
- Suspended undercarriage absorbs impact and reduces shock loads transferred to the undercarriage by up to 50% – resulting in a smoother, more comfortable ride.
- The cab is unparalleled, with enhanced ergonomics, a fully adjustable air suspension seat, and controls that are easy to access and operate.



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## Taking Innovation to a New Level

- Ground-level access to engine shutdown switch, access/egress lighting switch and ladder switch (if equipped).
- Product Link™ – Enables the remote transmission of information about the location, operation and condition of your equipment.
- Auto Blade Assist (ABA) (optional) – Increases efficiency while reducing operator workload, making use of preset blade pitch positions for the load, carry and spread portions of cycle.

- AutoCarry™ (optional) – Automates blade lift to maintain desired blade load, improve load consistency, reduce track slip...while minimizing operator fatigue.
- Automatic Ripper Control (optional) – Automatically controls ripper height to limit track slip, lessening fatigue so the operator can focus on the job.

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>OPERATOR ENVIRONMENT</b>			<b>CAT TECHNOLOGY PRODUCTS</b>		
ROPS/FOPS, Sound-Suppressed Cab	✓		VIMS™	✓	
High-Definition Primary Touchscreen Display	✓		AutoCarry		✓
Visibility – Rearview Mirrors	✓		Auto Ripper Control		✓
Visibility – Camera – Ripper Tip View		✓	Cat Product Link Elite (Cellular) (Where Allowed by Local Regulations)	✓	
Visibility – Dual Camera		✓	Cat Product Link Elite Dual Mode (Cellular + Satellite)		✓
Visibility – Four Cameras – 360-Degree View		✓	Cat GRADE with 3D		✓
Air Conditioner and Heater with Automatic Climate Control	✓		<b>POWER TRAIN</b>		
Seat – Heated, Cooled, Adjustable Lumbar and Bolsters		✓	Cat C18 Engine – Tier 4 Final, Tier 2 or 3 Equivalent, or Stage V	✓	
Differential Steering – Power Turn	✓		High-Performance Aluminum Single-Plane Cooling Module	✓	
Entertainment Radio Ready (12V Power, Harness, Speakers)	✓		Stator Clutch Torque Converter – Electronic Control	✓	
Cab Glass – Single-Pane Tinted Safety	✓		Powershift Transmission – Three-Speed Electronic Shift	✓	
Cab Glass – Dual-Pane Laminated Impact Safety		✓	Enhanced Auto Shifting (EAS)	✓	
Cab Glass – High-Pressure Safety (40 psi/275 kPa)		✓	Hydraulic Cooling Fan – Automatic Reversing		✓
“Operator Not Present” Detection	✓		Thermal Manifold and Turbo Shields		✓
Cab Access – Blade Pusharm Steps and Grab Handle	✓		Final Drive Seal – Guarded		✓
Cab Access – Powered Ladder		✓			

(continued on next page)

**Standard and Optional Equipment (continued)**

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

	Standard	Optional		Standard	Optional
<b>UNDERCARRIAGE</b>			<b>SERVICE AND MAINTENANCE</b>		
Undercarriage Arrangement – Abrasion		✓	Ecology Fluid Drains – All Compartments	✓	
Undercarriage Arrangement – Cold Weather		✓	Hinged Bottom Guards	✓	
Suspension-Type Undercarriage	✓		High-Speed Oil Change – Engine and Transmission	✓	
Equalizer Bar – Greased End Pin Bearings	✓		Ground-Level Fast Fuel Fill (Standard on Tier 4)		✓
Track Links – Heavy Duty XL – DuraLink		✓	S-O-S <sup>SM</sup> Fluid Sampling Ports	✓	
Track Shoe – Anti-Packing Round Hole		✓	Cat Autolube Grease System with Ground-Level Fill and Auto Shutoff		✓
Carrier Roller		✓	Anchorage Points (10)	✓	
<b>HYDRAULICS</b>			<b>REAR ATTACHMENTS</b>		
Electronically Controlled, Load-Sensing Dozer Lift and Tilt	✓		Ripper – Single Shank		✓
Dozer Blade Dual Tilt		✓	Ripper – Multi Shank (three shank)		✓
Electronically Enabled Blade, Quick Drop	✓		Counterweight		✓
<b>ELECTRICAL</b>			<b>OTHER</b>		
24V Electric Start, Dual Starters		✓	Winch		✓
Alternator – 150-Amp	✓		<b>SPECIAL ARRANGEMENTS</b>		
Batteries – 2 × 4, 200-Amp Hour, 12V	✓		High Debris		✓
Battery Isolation	✓		Stockpile		✓
Lights – Halogen – 8 Positions	✓		Waste Handling		✓
Lights – LED – 14 Positions		✓	Sound		✓
Lights – High-Output LED – 14 Positions		✓	Arctic		✓

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## Technical Specifications

### Engine – U.S. EPA Tier 2/3 Equivalent

Engine Model	Cat C18	
Bore	145 mm	5.7 in <sup>3</sup>
Stroke	183 mm	7.2 in <sup>3</sup>
Displacement	18.1 L	1,106 in <sup>3</sup>
Engine Power		
Gross SAE J1995	363 kW	487 hp
ISO 14396	357 kW	479 hp
Net SAE J1349/ISO 92492	337 kW	452 hp

- Emissions U.S. EPA Tier 2 or Tier 3 equivalent.
- All engine ratings apply at 1,750 rpm.
- No derating required up to 4570 m (15,000 ft) altitude.

### Weights

Operating Weight	49 988 kg	110,225 lb
Shipping Weight	38 271 kg	84,373 lb

- D9 Operating Weight includes hydraulic controls, blade tilt cylinder, coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU Blade, Single-Shank Ripper, 610 mm (24 in) ES shoes and operator.
- D9 Shipping Weight includes base machine chassis with cab, pivot shaft, roller frames, track and ROPS.

### Fluid Capacities

Fuel Tank (Splash Fill)	963 L	254 gal
DEF Tank (Tier 4 only)	36 L	9.5 gal
Engine Crankcase*	36 L	10 gal

\*With oil filters.

### Transmission

1 Forward	3.5 km/h	2.2 mph
2 Forward	6.3 km/h	3.9 mph
3 Forward	11.0 km/h	6.8 mph
1 Reverse	4.4 km/h	2.7 mph
2 Reverse	7.8 km/h	4.8 mph
3 Reverse	13.6 km/h	8.4 mph
Type	Planetary powershift	

### Engine – U.S. EPA Tier 4 Final/EU Stage V

Engine Model	Cat C18	
Bore	145 mm	5.7 in <sup>3</sup>
Stroke	183 mm	7.2 in <sup>3</sup>
Displacement	18.1 L	1,106 in <sup>3</sup>
Engine Power		
Gross SAE J1995	356 kW	477 hp
ISO 14396	349 kW	468 hp
Net SAE J1349/ISO 9249	328 kW	440 hp

- |           |                                |
|-----------|--------------------------------|
| Emissions | U.S. EPA Tier 4/<br>EU Stage V |
|-----------|--------------------------------|
- All engine ratings apply at 1,750 rpm.
  - No derating required up to 3658 m (12,000 ft) altitude.

### Blade

	Semi-Universal		Universal	
Blade Capacity (SAE J1265)	13.6 m <sup>3</sup>	17.8 yd <sup>3</sup>	16.6 m <sup>3</sup>	21.7 yd <sup>3</sup>
Blade Width (over end bits)	4376 mm	172.3 in	4648 mm	183.0 in
Blade Height	1934 mm	76.1 in	1934 mm	76.1 in

### Dimensions

Ground Clearance	459 mm	18.1 in
Track Gauge	2250 mm	88.6 in
Width without Trunnions (standard shoe)	2870 mm	113.0 in
Width over Trunnions	3310 mm	130.3 in
Height (FOPS cab)	3820 mm	150.4 in
Height (top of stack)	3876 mm	152.6 in
Height (ROPS)	4000 mm	157.5 in
Length of Track on Ground	3470 mm	136.6 in
Overall Length – Basic Tractor	4910 mm	193.3 in
Overall Length (SU/SS)	8219 mm	323.6 in



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