

Product Specifications For D7



Engine

Engine Model	Cat C9.3B
Power - Net	197 kW
Net Power - Rated - ISO 9249/SAE J1349	197 kW
Net Power (Rated) - ISO 9249 (DIN)	268 mhp
Emissions	U.S. EPA Tier 4 Final/EU Stage V/Japan 2014/Korea Stage V/China Nonroad Stage IV
Note (1)	Net power at 2,200 rpm. 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. Advertised power is tested per the specified standard in effect at the time of manufacture.
Note (2)	Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to: 20% biodiesel FAME (fatty acid methyl ester) ** or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. ** Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).
Note (3)	Basic machine specs provided below. For complete specifications and dimensions by configuration, blade and track shoe offerings and more, please visit the product download section to view the full Technical Specifications document.
Note (4)	Machine Build Number 17A

Weights

Operating Weight	29776 kg
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Note (1)

Standard SU operating weight includes ripper with three shanks adding approximately 2993 kg/6596 lbs. LGP S operating weight with drawbar.

Transmission

Powertrain

Fully Automatic 4-Speed

Service Refill Capacities

Fuel Tank

465 l

DEF Tank

44 l

Standard SU

Operating Weight

29776 kg

Ground Pressure

72 kPa

Width of Standard Shoe

610 mm

Blade

Semi-Universal (SU)

Blade Capacity

7 m³

LGP S

Operating Weight

28677 kg

Ground Pressure

43 kPa

Width of Standard Shoe

915 mm

Blade

Straight (S)

Blade Capacity

6 m³

Waste Handler

Operating Weight

28140 kg

Ground Pressure	68 kPa
Width of Standard Shoe	610 mm
Blade	Universal Landfill (U)
Blade Capacity	17 m ³

Sustainability

Recyclability	98%
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Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.36 kg (3 lb) of refrigerant which has a CO2 equivalent of 1.95 metric tonnes (2.14 tons).
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Note (2)	Configurations and features may vary by region. Please consult your Cat dealer for availability in your area.
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D7 Standard Equipment

NOTE

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

Power Train

- Cat C9.3B diesel engine
- Fully-automatic 4-speed transmission
- Double reduction 3-planet planetary final drives
- Electric fuel priming pump

Operator Environment

- Fully redesigned cab, sound suppressed, with Integrated Roll Over Protective Structure (IROPS)
- Full-color 254 mm (10 in) liquid crystal touchscreen display
- Integrated rearview camera
- Cloth seat
- Adjustable operator controls/armrests
- Electrohydraulic implement and steering controls
- Cab mounted modular HVAC system

Added storage areas

Lights - 6 LED

Cat Technology

Slope Indicate

Product Link, Cellular

Grade Control Ready Cab

Remote Control Ready

Remote Flash/Remote Troubleshoot

Operator ID

Machine Security - Passcode

Compatibility with radios and base stations from Trimble, Topcon, and Leica

Capability to install 3D grade systems from Trimble, Topcon, and Leica

Undercarriage

Heavy Duty (HDXL with DuraLink)

Redesigned track roller frame

Hydraulics

Independent steering and implement pump

Load sensing hydraulics

Service And Maintenance

30-minute cab removal

Ecology drains

Fast fuel fill ready

Fire extinguisher mounting provision

Ground level service center

Hydraulic reversing fan

Shovel holder

Underhood work light

D7 Optional Equipment

NOTE

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

Operator Environment

Deluxe leather heated/ventilated seat

Communication radio ready

Premium lights - 12 LED

Integrated warning lights

Dual pane/polycarbonate window Special Application Cab

Cat Technology

ARO with Assist Package: Includes Attachment Ready Option (ARO), Slope Assist, Steer Assist, Stable Blade, Blade Load Monitor, Traction Control, AutoCarry
Grade 3D with Assist Package: Includes full-color 10-inch (254 mm) touchscreen grade display, Steer Assist 3D, Grade receivers and antennas, Grade Software Enabled Attachment (SEA), ARO with Assist package features
Product Link, Dual Cellular/Satellite
Grade Connectivity
Machine Security - Bluetooth
Cat Command for Dozing

Blades

Angle blade
Semi-Universal
Straight blade
Universal
Waste/Landfill
FirstCut cutting edges (SU blades)

Undercarriage

Moderate Service or Extreme Service track shoes
Waste or Cold Weather undercarriage

Service And Maintenance

High Speed Oil Change
Quick access cab floor

Attachments

Counterweights
Drawbar
Multi-shank ripper
Rear screen - hinged or fixed
Side screens
Striker bar box
Sweeps
Waste and Forestry Special Arrangements