

PRODUCT SPECIFICATIONS FOR D7



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 Tier 5/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

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.

Power Train	Fully Automatic 4-Speed
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Fuel Tank	465 l
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DEF Tank	44 l
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Operating Weight	29776 kg
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Ground Pressure	72 kPa
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Width of Standard Shoe	610 mm
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Blade	Semi-Universal (SU)
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Blade Capacity	7 m ³
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Operating Weight	28677 kg
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Ground Pressure	43 kPa
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Width of Standard Shoe	915 mm
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Blade	Straight (S)
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Blade Capacity	6 m ³
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Operating Weight	28140 kg
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Ground Pressure	68 kPa
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Width of Standard Shoe	610 mm
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Blade	Universal Landfill (U)
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Blade Capacity	17 m ³
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Recyclability	98%
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Air Conditioning	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 CO2 equivalent of 1.946 metric tonnes.
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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
Biodiesel compatibility up to B20
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

