

PRODUCT SPECIFICATIONS FOR D7

US Metric

Engine Model Cat C9.3B

Power - Net 197 kW

**Net Power - Rated
- ISO 9249/SAE
J1349** 197 kW

**Net Power - Rated
- ISO 9249/SAE
J1349 (DIN)** 268 HP

Emissions U.S. EPA Tier 4 Final/EU Stage V/Japan 2014/Korea Tier 4 Final

Build Number 17A

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) All non-road Tier 4 Interim and Final, Stage IIIB, IV and V, Japan 2014 (Tier 4 Final) 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.

Note (3) 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.

Note (4) 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

visit the product download section to view the full technical specifications document.

Operating Weight 29776 kg

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

Fuel Tank 465 l

DEF Tank 44 l

Operating Weight 29776 kg

Ground Pressure 72 kPa

Width of Standard Shoe 610 mm

Blade Semi-Universal (SU)

Blade Capacity 7 m³

Operating Weight 28677 kg

Ground Pressure 43 kPa

Width of Standard Shoe 915 mm

Blade Straight (S)

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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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
Remote Control Ready
Remote Flash/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: includes Slope Assist, Traction Control, Stable Blade, Blade Load Monitor, AutoCarry, Third Party Grade Control Ready

Cat Grade with 3D: includes full-color 10-inch (254 mm) touchscreen grade display

Product Link, Dual Cellular/Satellite

Grade Connectivity

Machine Security - Bluetooth

Cat Command for Dozing

BLADES

Angle blade

Semi-Universal

Straight blade

Universal

Waste/Landfill

Performance 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