

Product Specifications For D8



Engine

Engine Model	Cat® C15
Power - Net	363 hp
Net Power - ISO 9249/SAE J1349	363 hp
Net Power - ISO 9249 (DIN)	368 mhp
Build Number	22A
Emissions	U.S. EPA Tier 4 Final/ EU Stage V/Japan 2014/Korea Stage V/China Nonroad Stage IV
Note (1)	Net power at 2,050 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).

Weights

Operating Weight	87083 lb
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Transmission

Powertrain	Fully Automatic 4-Speed with Lock-up Clutch (LUC) torque divider
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Service Refill Capacities

Fuel Tank	165.6 gal (US)
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DEF Tank	8.7 gal (US)
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Standard SU

Operating Weight	87083 lb
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Ground Pressure	13 psi
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Width of Standard Shoe	24 in
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Blade	Semi-Universal (SU)
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Blade Capacity	13.47 yd ³
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LGP

Operating Weight	83963 lb
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Ground Pressure	7.9 psi
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Width of Standard Shoe	38 in
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Blade	LGP Semi-Universal (SU)
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Blade Capacity	12.9 yd ³
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Waste Handler

Operating Weight	87964 lb
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Ground Pressure	12.1 psi
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Width of Standard Shoe	26 in
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Blade	Semi-Universal (SU) Landfill
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Blade Capacity	27.7 yd ³
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LGP Waste Handler

Operating Weight	91591 lb
Ground Pressure	8.6 psi
Width of Standard Shoe	38 in
Blade	Semi-Universal (SU) Landfill
Blade Capacity	27.7 yd 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 (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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D8 Standard Equipment

NOTE

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

Powertrain

- Cat® C15 Engine
- Fully-automatic 4-speed transmission with lock-up clutch (LUC) torque divider
- Aftercooler, air-to-air (ATAAC)
- Extended life coolant
- Diesel exhaust fluid (DEF) system - electronic fill indicator, heated lines/tank
- Differential steering
- Engine air filter with electronic service indicator
- Engine air precleaner with dust ejection
- Engine idle shutdown
- Final drives, double reduction - Standard or LGP
- Fuel water separator
- Fuel priming pump, electric
- Fan, hydraulic demand
- Fan, auto reversing
- Radiator, aluminum bar plate with debris resistant cores

High performance single plane cooling system
Starting aid, automatic ether

Cat Technology

Cat Slope Indicate

Cat Assist with ARO package

Third party grade control ready cab

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

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

Product Link™ - Cellular

Remote Flash/Troubleshoot

Cat Track Wear Sensor

Machine security - passcode

Remote control ready

Operator Environment

Fully redesigned cab with integrated ROPS and FOPS, single pane door glass, sliding windows, with Cat Advanced Cabin Filtration

Full-color 254 mm (10 in) liquid crystal touchscreen display

High definition rear view camera with backup lines

In-display key machine features

Operator ID/operator ID with security

Cloth seat with mechanical adjustable lumbar support

Armrests adjustable fore-aft and vertically

Electrohydraulic implement and steering controls

Joystick control - ARO

Decelerator pedal

Fresh air filter

Cab mounted modular HVAC system with automatic reversing fans. Automatic temperature and blower control with distributed ducting.

Rearview mirror

Retractable 76 mm (3 in) seat belt

Cup holders

Dash foot pads

Entertainment radio with Bluetooth and microphone

Lunch box storage

Wipers

USB and AUX ports

Operator presence switch

Guarding And Screens

Bottom guards - standard

Electrical

Lights - 6 LED

Access/egress lighting with shutdown timer

Backup alarm
Converter: 15 Amp, 12V outlets
Forward warning horn

Hydraulics

Load sensing hydraulics
Independent steering and implement pumps
Dozer tilt hydraulics - single tilt
Guarded blade hydraulic hoses
Electronically enabled quick drop valve
Rear hydraulics ripper and winch ready

Batteries, Starters, Alternators, And Coolant

150 Amp alternator
24 Volt starter
Engine coolant, -37° C (-35° F)
Four maintenance free 12-volt batteries (900 cca) (24-volt system)

Push Arms

Standard

Undercarriage

Standard or low ground pressure (LGP) undercarriage
Heavy duty with positive pin retention (PPR) undercarriage - 44 section track, sealed and lubricated, single grouser shoes
Suspension-type undercarriage
Carrier rollers
Hydraulic track adjusters
Lifetime lubricated track and roller
Moderate service track shoes
Track guide
Sprocket rim segments, replaceable
8-roller tubular track roller frame (carrier roller ready)
Two-piece master links

Service And Maintenance

30-minute cab removal
Centralized, remote mounted pressure taps
Ecology drains
Extended service intervals (500 hours engine, 1,000-hour powertrain)
Ground level service center (remote electrical disconnect, secondary shutdown switch, hour meter, jump start)
Heavy duty perforated radiator doors, louvered and hinged
Under hood work light
Removable engine enclosures, perforated and hinged
Scheduled Oil Sampling (S·O·SSM) ports

Shovel holder

D8 Optional Equipment

Note

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

Powertrain

Brakes, extreme service
Engine air precleaner with screen and dust ejector
Engine with thermal shield
Final drives, double reduction - Arctic, Waste
Oil change system, high speed
Sound suppression
Starting aid, jacket water heater (110V or 220V)

Cat Technology

Cat Grade 3D Ready with Assist package (hardware only)
Cat Grade 3D with Assist package
Product Link™ – dual mode
Grade connectivity
Grade corrections radio
Machine security - Bluetooth
Cat Command for Dozing

Operator Environment

High debris cab, fully redesigned with integrated ROPS and FOPS, impact resistant polycarbonate doors, solid side windows for improved sealing, powered precleaner with Cat Advanced Cabin Filtration for improved performance and filter life
Cab glass capable of withstanding up to 40 psi
Deluxe leather heated/ventilated seat with electronic adjustable lumbar support
Powered fresh air filter precleaner
Communication radio ready
Floor plate and pedals for shorter operators
Emergency hammer
Window shades

Undercarriage

Heavy duty extended life (HDXL) with PPR undercarriage - 44 section track, sealed and lubricated, single grouser shoes
Waste undercarriage
Arctic undercarriage
Extreme service track shoes

Blades

Semi-Universal (SU)
Universal
Waste/Landfill
Angle
Rock guard/wear plate
Push plate
FirstCut cutting edges (SU blades)

Push Arms

Extreme

Hydraulics

Dozer tilt hydraulics – dual tilt

Electrical

Premium lights – 12 LED
Beacon warning light

Batteries, Starters, Alternators And Coolant

150 Amp ducted alternator
Arctic engine coolant, -51° C (-60° F)

Service And Maintenance

Fast fuel fill
High-speed oil change
Heavy duty radiator doors for waste and woodchip applications
Quick access cab floor

Attachments

Multi-shank ripper with CapSure ripper tips and shank protector
Single shank ripper with CapSure ripper tip and shank protector
Pin puller (single shank)
Rear striker box with striker bar
Rear striker bar
Winch, PV140
Rear counterweight
Drawbar

Guarding And Screens

Bottom guards - heavy duty, powered, sealed
Cab rear screen - fixed or hinged
Cab side screens - hinged
Fuel tank guards
HVAC guard
Light guards

Striker bars, front, suspended
Sweeps package