

# Product Specifications For D8



## Engine

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

<b>Operating Weight</b>	87083 lb
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## Transmission

<b>Powertrain</b>	Fully Automatic 4-Speed with Lock-up Clutch (LUC) torque divider
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## Service Refill Capacities

<b>Fuel Tank</b>	165.6 gal (US)
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<b>DEF Tank</b>	8.7 gal (US)
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## Standard SU

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

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

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

<b>Operating Weight</b>	91591 lb
<b>Ground Pressure</b>	8.6 psi
<b>Width of Standard Shoe</b>	38 in
<b>Blade</b>	Semi-Universal (SU) Landfill
<b>Blade Capacity</b>	27.7 yd <sup>3</sup>

## Sustainability

<b>Recyclability</b>	98%
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## Air Conditioning System

<b>Air Conditioning</b>	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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## 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·S<sup>SM</sup>) 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