

# 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

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

## Standard SU

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

## LGP

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

## Waste Handler

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

# 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 yd³

## 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 seperator
- 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