

PRODUCT SPECIFICATIONS FOR D8



Engine Model	Cat C15
Power - Net	264 kW
Net Power - ISO 9249/SAE J1349	264 kW
Net Power - ISO 9249 (DIN)	359 mhp
Emissions	U.S. EPA Tier 4 Final/EU Stage V/Korea Stage V
Note (1)	Net power at 1,900 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)	Machine Build Number 21B
Operating Weight	39750 kg
Power Train	Fully Automatic 4-Speed Powershift

Fuel Tank	627 l
DEF Tank	24 l
Operating Weight	40233 kg
Ground Pressure	91 kPa
Width of Standard Shoe	610 mm
Blade	Semi-Universal (SU)
Blade Capacity	10 m ³
Operating Weight	38513 kg
Ground Pressure	55.3 kPa
Width of Standard Shoe	965 mm
Blade	Semi-Universal (SU)
Blade Capacity	9.9 m ³
Operating Weight	40010 kg
Ground Pressure	91 kPa
Width of Standard Shoe	610 mm
Blade	Semi-Universal (SU) Landfill
Blade Capacity	28 m ³

Operating Weight	42489 kg
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Ground Pressure	61 kPa
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Width of Standard Shoe	965 mm
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Blade	Semi-Universal (SU) Landfill
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Blade Capacity	21.2 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 2.5 kg of refrigerant which has a CO2 equivalent of 3.575 metric tonnes.
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D8 STANDARD EQUIPMENT

NOTE

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

POWER TRAIN

C15 Diesel Engine, Electronic Unit Injection (EUI), Aftertreatment to meet U.S. EPA Tier 4 Final/Korea Stage V emission standards

24V electric start

Air-to-air aftercooler (ATAAC)

Air filter with electronic service indicator

Extended life coolant

Auto reversing suction fan

Four planet, double-reduction planetary final drives

Electric fuel priming pump

High performance single plane cooling system

Electronic parking brake

Precleaner, strata-tube dust ejector

Prescreener

Shift management: Full Auto Shift

Sound attenuated exhaust system

Automatic ether starting aid

Torque divider with lock-up clutch

Transmission control module, electronic

Transmission, electronically-controlled powershift

Turbocharger

Water separator

OPERATOR ENVIRONMENT

Access/egress lighting with shutdown timer

Adjustable armrests

Air suspension seat

Cab, ROPS/FOPS, sound suppressed

Decelerator pedal

Heater and ventilation

Interior LED courtesy lights

Rearview mirror

Provision for wire passage in/out of cab

Radio, AM/FM, Bluetooth

ROPS mounted air conditioner

Seat belt, retractable

Steering control, direction and speed control thumb switches with recall button

Touch screen operator interface: Electronic monitoring system, Diagnostic service information, Operator preferences

Wipers, intermittent

CAT TECHNOLOGY

Grade control ready

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

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

POWER TRAIN, ENGINE, BRAKES

Brakes, Basic or Extreme Service

Engine precleaner, basic or with screen

BOTTOM GUARDS

Standard

ELECTRICAL

Back-up alarm

Converter, 24V to 12V

Diagnostic connector

Ground level service center with hour meter

Horn, forward warning

FINAL DRIVES

Final drives: LGP or Guarded

Final drives: Standard, Guarded or Arctic

HYDRAULICS

Dozer tilt and fan hydraulics: Single Tilt or Dual Tilt

Electronically enabled quick drop valve

Hydraulics, electronically controlled, load-sensing dozer lift and tilt

Hydraulics, electronically controlled, load-sensing rear hydraulics, ripper or winch ready

Hydraulics, independent steering and work tool pumps

OTHER STANDARD EQUIPMENT

Engine compartment service light

Equalizer bar, pinned

Front pull device

Hinged bottom guards

HVAC box, corrosive resistant

Product Link

S-O-S sampling ports

6-light package

Electronically controlled power differential steering

Vandalism protection for fluid compartments

STARTERS, BATTERIES, AND ALTERNATORS

Alternators: 150 Amp, Basic or Ducted

Batteries: Heavy duty or Arctic

Engine coolant heater (120V)

Starting receptacle, auxiliary

UNDERCARRIAGE

Positive Pin Retention Track (44 Section, sealed and lubricated, single grouser shoes)

610 mm (24 in) Extreme Service track

8-roller tubular track roller frame (Carrier roller ready)

Gauge arrangements: Standard or LGP

Rollers and idlers, lifetime lubricated

Sprocket rim segments, replaceable

Suspension-type undercarriage

Track adjusters, hydraulic

Track guide

Two-piece master links

D8 OPTIONAL EQUIPMENT

NOTE

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

POWER TRAIN, ENGINE, BRAKES

C15 Diesel Engine, Electronic Unit Injection (EUI), Aftertreatment to meet EU Stage V emission standards

Engine, thermal shield

Oil change system, high speed

Radiator, 6.35 fins per inch, debris

OPERATOR ENVIRONMENT

Cab glass: Single pane, Enhanced Dual Pane or 40 psi

Cab platform: Standard, Quick Opening or 5th Percentile

Cab seat: Cloth, heated

Cab seat: Heated and ventilated

Visibility arrangements: Basic or Single camera

CAT TECHNOLOGY

Attachment Ready Option (ARO), single tilt or dual tilt

AutoCarry/AutoRip, single tilt or dual tilt

Cat Grade with 3D

Command for Dozing Ready

Machine control, basic, single tilt or dual tilt

machine control, basic, single tilt or dual tilt

Product Link: Cellular or Dual mode

BULLDOZERS

8A

8SU LGP

8SU/U: basic, guarded or dual tilt guarded

8U LGP: single tilt guarded or dual tilt guarded

BLADES

Angle Blade

LGP Angle

LGP SU

LGP SU Landfill

Semi-Universal (SU)

SU Landfill with Wear Plate

SU with Performance Cutting Edges

SU with Push Plate

SU with Rock Guard, Performance Cutting Edges

SU with Rock Guard, Wear Plate

Universal

Universal Landfill

Universal with Rock Guard, Wear Plate

FirstCut cutting edges (SU blades)

UNDERCARRIAGE

Positive Pin Retention (PPR) Undercarriage: Suspended, Guarded or Arctic

610 mm (24 in) Moderate Service PPR Track

610 mm (24 in) Super Extreme Service PPR Track

610 mm (24 in) Extreme Service PPR Track, trapezoidal

660 mm (26 in) Moderate Service PPR Track

660 mm (26 in) Extreme Service PPR Track

660 mm (24 in) Extreme Service PPR Track, trapezoidal

660 mm (24 in) Super Extreme Service PPR Track, trapezoidal

711 mm (28 in) Moderate Service PPR Track

711 mm (28 in) Extreme Service PPR Track

711 mm (28 in) Moderate Service PPR Track, trapezoidal

711 mm (28 in) Extreme Service PPR Track, trapezoidal

965 mm (38 in) Moderate Service PPR Track

965 mm (38 in) Extreme Service PPR Track

965 mm (38 in) Extreme Service PPR Track, trapezoidal

Heavy duty, extended life undercarriage track (44 Section, sealed and lubricated, single grouser shoes)

Heavy duty, extended life undercarriage: Suspended, Guarded or Arctic

610 mm (24 in) Moderate Service HDXL Track

610 mm (24 in) Extreme Service HDXL Track

610 mm (24 in) Super Extreme Service HDXL Track

660 mm (26 in) Extreme Service HDXL Track

660 mm (26 in) Extreme Service HDXL Track, trapezoidal

711 mm (28 in) Extreme Service HDXL Track

711 mm (28 in) Extreme Service HDXL Track

965 mm (38 in) Extreme Service HDXL Track

965 mm (38 in) Extreme Service HDXL Track, trapezoidal

Carrier rollers: Suspended, Suspended Arctic or No carrier rollers

BOTTOM GUARDS

Bottom guards with front counterweight

Heavy duty, sealed

Powered

Wood chip

ELECTRICAL

Light, warning strobe

Lighting groups: Basic, Premium or Sweeps

Mount, light, warning strobe

GUARDS

Fan debris guard

Fast fuel guard

Fuel tank guard

Grill debris guard

Rear screen

Front striker bars

Sweeps group

HYDRAULICS

Rear attachment hydraulics: Ripper, Winch or None

OTHER ATTACHMENTS

Black paint, blade

Additional counterweight

Ecology drains

Grab handles, push arm

PA140VS winch

W12 E PTO winch

Window shades

REAR ATTACHMENTS

Rear counterweight

Rigid drawbar

Multi-shank ripper

Multi-shank ripper with striker bar

No rear attachment

PA140VS winch, variable speed

Rear striker bar

Single shank ripper with pin puller

Single shank ripper with puller and striker bar

Single shank ripper with striker bar

RIPPER SHANK TEETH

Multi-shank

Single shank

Single shank

Single shank, deep ripping

