

PRODUCT SPECIFICATIONS FOR D8



ENGINE

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

WEIGHTS

Operating Weight	39750 kg
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TRANSMISSION

Power Train	Fully Automatic 4-Speed Powershift
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SERVICE REFILL CAPACITIES

Fuel Tank	627 l
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DEF Tank

24 l

STANDARD SU

Operating Weight

40233 kg

Ground Pressure

91 kPa

Width of Standard Shoe

610 mm

Blade

Semi-Universal (SU)

Blade Capacity

10 m³

LGP

Operating Weight

38513 kg

Ground Pressure

55.3 kPa

Width of Standard Shoe

965 mm

Blade

Semi-Universal (SU)

Blade Capacity

9.9 m³

WASTE HANDLER

Operating Weight

40010 kg

Ground Pressure

91 kPa

Width of Standard Shoe

610 mm

Blade

Semi-Universal (SU) Landfill

Blade Capacity

28 m³

LGP WASTE HANDLER

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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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 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
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
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, deep ripping