

PRODUCT SPECIFICATIONS FOR D8T

ENGINE

Engine Model	Cat C15
Power - Net	354.0 HP
Net Power - 1,900 rpm - ISO 9249/SAE J1349	354.0 HP
Net Power - 1,900 rpm - ISO 9249/SAE J1349 (DIN)	359.0 HP
Emissions	U.S. EPA Tier 4 Final/EU Stage IV/Korea Tier 4 Final
Note (1)	All nonroad Tier 4 Final, Stage IV, and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) with 15 ppm (mg/kg) of sulfur or less, or up to B20 biodiesel blended with ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
Note (2)	Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

SERVICE REFILL CAPACITIES

Fuel Tank	165.0 gal (US)
Diesel Exhaust Fluid Tank	6.0 gal (US)

WEIGHTS

Operating Weight	87600.0 lb
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OPERATING WEIGHTS

LGP - Drawbar	83200.0 lb
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Waste Handler	87400.0 lb
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LGP Waste Handler	92300.0 lb
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DIMENSIONS - STANDARD

Ground Pressure (ISO 16754)	13.0 psi
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DIMENSIONS - NON-SUSPENDED

Ground Pressure (ISO 16754)	13.0 psi
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DIMENSIONS - LGP

Ground Pressure (ISO 16754)	7.7 psi
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BLADES

Semi-Universal (SU)* Capacity	13.4 yd ³
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Semi-Universal (SU)* Width Over Endbits	13.3 ft
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SU with Performance Cutting Edges Capacity	13.4 yd ³
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SU with Performance Cutting Edges Width Over Endbits	13.0 ft
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Universal with Rock Guard, Wear Plate Capacity	15.4 yd ³
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Universal with Rock Guard, Wear Plate Width Over Endbits	14.0 ft
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Angle Blade Capacity	6.8 yd ³
Angle Blade Width Over Endbits	16.5 ft
LGP SU Landfill Capacity	29.0 yd ³
LGP SU Landfill Width Over Endbits	14.9 ft
Note (2)	* Also with rock guard/wear plate or push plate. Additional blades available. Please consult your Cat dealer for details

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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D8T STANDARD EQUIPMENT

POWER TRAIN

C15 Diesel Engine, Electronic Unit Injection (EUI), Aftertreatment to meet Tier 4 Final/Stage IV/Korea Tier 4 emission standards

24V electric start

Aftercooler, air-to-air (ATAAC)

Air filter, with electronic service indicator

Coolant, extended life

Fan, suction, auto reversing

Four planet, double-reduction planetary final drives

Fuel priming pump, electric

High performance single plane cooling system

Parking brake, electronic

Precleaner, strata-tube dust ejector

Prescreener

Shift management: Full Auto Shift

Shift management, Full Auto Shift

Sound attenuated exhaust system

Starting aid, automatic ether

Torque divider with lock-up clutch

Transmission control module, electronic

Transmission, electronically-controlled powershift

Turbocharger

Water separator

POWER TRAIN, ENGINE, BRAKES

Brakes, Basic or Extreme Service

Engine precleaner, basic or with screen

BOTTOM GUARDS

Standard

ELECTRICAL

Alarm, back-up

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

OPERATOR ENVIRONMENT

Access/egress lighting with shutdown timer

Armrests, adjustable

Cab seat: Air suspension

Cab, ROPS/FOPS, sound suppressed

Decelerator pedal

Heater and ventilation

Interior LED courtesy lights

Mirror, rearview

Provision for wire passage in/out of cab

Radio, AM/FM, Bluetooth

Radio, AM/FM, Bluetooth

ROPS mounted air conditioner

Seat belt, retractable

Seat, cloth, air-suspension

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

OTHER STANDARD EQUIPMENT

Engine compartment service light

Equalizer bar, pinned

Front pull device

Grade control ready

Guards, bottom hinged

HVAC box, corrosive resistant

Product Link

S-O-Ssm sampling ports

Six lights package

Steering, electronically controlled power differential

Vandalism protection for fluid compartments

STARTERS, BATTERIES, AND ALTERNATORS

Alternator, 150 Amp

Alternators: 150 Amp, Basic or Ducted

Batteries, heavy duty

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) Moderate 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

D8T OPTIONAL EQUIPMENT

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

BOTTOM GUARDS

Bottom guards with front counterweight

Heavy duty, sealed

Powered

Wood chip

BULLDOZERS

8A

8SU LGP

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

8U LGP: single tilt guarded or dual tilt guarded

ELECTRICAL

Light, warning strobe

Lighting groups: Basic, Premium or Sweeps

Mount, light, warning strobe

GUARDS

Guard, fan debris

Guard, fast fuel

Guard, fuel tank

Guard, grill debris

Rear screen

Striker bars, front, suspended

Sweeps group

HYDRAULICS

Rear attachment hydraulics: Ripper, Winch or None

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

OTHER ATTACHMENTS

Black paint, blade

Counterweight, additional

Drains, ecology, power train

Grab handles, push arm

PA140VS winch

W12 E PTO winch

Window shades

POWER TRAIN, ENGINE, BRAKES

Engine, thermal shield

Oil change system, high speed

Radiator, 6.35 fins per inch, debris

REAR ATTACHMENTS

Counterweight, rear

Drawbar, rigid

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

TECHNOLOGY PRODUCTS

AccuGrade Ready (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

UNDERCARRIAGE

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

610 mm (24 in) Moderate Service PPR Track

610 mm (24 in) Extreme Service PPR Track

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

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

660 mm (26 in) Extreme Service PPR Track

710 mm (28 in) Extreme Service PPR Track

710 mm (28 in) Moderate Service PPR Track

965 mm (38 in) Moderate Service PPR Track

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

710 mm (28 in) Moderate Service HDXL 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) Extreme Service HDXL Track

660 mm (26 in) Extreme Service HDXL Track

700 mm (27.5 in) Extreme Service HDXL Track

Carrier rollers: Suspended, Suspended Arctic or No carrier rollers