

PRODUCT SPECIFICATIONS FOR D10T2 (US EPA TIER 4 FINAL)

Engine Model	Cat® C27
Flywheel Power	447 kW
Bore	137 mm
Stroke	152 mm
Displacement	27 l
Engine Power - Gross SAE J1995* (FWD/REV)	471/571 kW (632/766 HP)
Engine Power - ISO 14396 (FWD/REV)	462/562 kW (620/754 HP)
Engine Power - Net SAE J1349/ISO 9249 (FWD/REV)	447/538 kW (600/722 HP)
Engine Power - Net SAE J1349/ISO 9249 DIN (FWD/REV)	608/732 mhp
Net SAE J1349/ISO 9249 (FWD/REV)	447/538 kW (600/722 HP)
Emissions	U.S. EPA Tier 4 Final
Net SAE J1349/ISO 9249 DIN (FWD/REV)	608/732 mhp
Note (1)	*Excludes all fan losses.
Note (2)	Engine ratings apply at 1,800 rpm.
Note (3)	Net power advertised is the power available at the flywheel when

the engine is equipped with air cleaner, muffler, alternator, fan, and engine emissions controls as required.

Note (4) No derating (in FWD gears) required up to 4572 m (15,000 ft) altitude.

Operating Weight 70171 kg

Shipping Weight 49793 kg

Note (2) D10T2 Shipping Weight includes coolant, lubricants, 10% fuel, FOPS cab, fast fuel, and 610 mm/24 in ES shoes.

Note (1) D10T2 Operating Weight includes coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU ABR bulldozer, dual tilt, single-shank ripper with pin-puller, fast fuel, 610 mm/24 in ES shoes, and operator.

Height - ROPS/Canopy* 4406 mm

Length - Basic Tractor - With Drawbar 5598 mm

Width - Over Trunnions 3736 mm

Length - With U-Blade 7750 mm

Length - With Multi-Shank Ripper 7241 mm

Drawbar Height (Center of Clevis) 864 mm

Overall Length - Basic Tractor 5324 mm

Length - With Single-Shank Ripper 7081 mm

Length - With SU-Blade 7416 mm

Height - Top of Stack*		4356 mm
Track Gauge		2550 mm
Length - Track on Ground		3880 mm
Height - FOPS Cab*		4098 mm
Overall Length - SU-Blade/SS Ripper		9158 mm
Width - Without Trunnions - 610 mm/24 in ES		3292 mm
Ground Clearance*		725 mm
1 Forward	4 km/h	
2 Forward	7.2 km/h	
3 Forward	12.7 km/h	
1 Reverse	5.2 km/h	
2 Reverse	9 km/h	
3 Reverse	15.8 km/h	
Type	3-speed planetary powershift	
Transmission Clutch Diameter	434.3 mm	
Pump Type	Variable displacement piston	
Bulldozer Relief Valve Setting	28000 kPa	
Tilt Cylinder Relief Valve	20300 kPa	

Setting	
Ripper - Lift - Relief Valve Setting	28000 kPa
Ripper - Pitch - Relief Valve Setting	28000 kPa
Combined Pump Output - Implement	380 l/min
Note (1)	Pump output measured at 1,800 rpm engine speed.
Note (2)	Electro-hydraulic pilot valves assist operations of ripper and dozer controls.
Note (3)	Complete system consists of pump, tank with filter, oil cooler, valves, lines, and control levers.
Shoe Type	Extreme Service (ES)
Width - Shoe	610 mm
Shoes/Side	44
Grouser Height	93 mm
Pitch	260 mm
Ground Clearance	725 mm
Track Gauge	2550 mm
Length - Track on Ground	3880 mm
Ground Contact Area	4.74 m ²
Track Rollers/Side	0

TRACK ROLLERS/SIDE

o

Number of Carrier Rollers

1 per side (optional)

Fuel Tank

1190 l

Cooling System

180 l

Engine Crankcase*

68 l

Power Train

230 l

Final Drive - Each

23 l

Roller Frames - Each

64 l

Pivot Shaft Compartment

33 l

Hydraulic Tank

131 l

Note

*With oil filters.

Oscillation

351 mm

Spring Applied Multiple-disc Brake

392 mm

Hydraulically Applied Multiple-disc Steering Clutch

392 mm

FOPS

Falling Objects Protective Structure (FOPS) meets the following criteria: ISO 3449:2005 LEVEL II.

Sound (2)

The operator equivalent sound pressure level (ISO 6396) is 77 dB(A)/74 dB(A) (sound suppressed).

Sound (1)

The exterior sound pressure level for the standard machine (ISO 6395) is 115 dB(A)/111 dB(A) (sound suppressed).

ROPS

Rollover Protective Structure (ROPS) meets the following criteria: ISO 3471:2008.

**Air
Conditioning**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg (4.2 lb) of refrigerant which has a CO₂ equivalent of 2.717 metric tonnes (3 tons).

D10T2 (US EPA TIER 4 FINAL) STANDARD EQUIPMENT

ELECTRICAL

Alternator, 150 amp
Back up alarm
Batteries, 12-volt (2), 200 amp-hour
Converter, 12-volt, 10 amp and 20 amp
Diagnostic connector
Horn, forward warning
Light, engine compartment
Lighting system, 8 Halogen
Starting receptacle

OPERATOR ENVIRONMENT

Air conditioner and heater
Armrest, adjustable
Cab, FOPS
Deactivation switch, hydraulic controls
Decelerator, pedal
Finger Tip Control (FTC) steering
Governor switch, electronic
Hydraulic system, electronically controlled
Information display – Multi-color
Mirror, rearview
Radio ready, entertainment
ROPS rollbar
Seat belt, retractable 76 mm (3 in)
Seat, cloth, air suspension
Wipers, intermittent, low and high speeds
Work monitor

POWER TRAIN

Aluminum bar-plate radiator, 6 fpi
Aftercooler, air-to-air
Air filters, dual with precleaner
Cat C27
Coolant, extended life
Shift management:

- Advanced Productivity Electronic Control System (APECS)
- Enhanced AutoShift (EAS)

Engine Idler Shutdown Timer
Ether starting aid, automatic
Hydraulic demand fan
Fast fuel system
Four planet, double-reduction planetary final drives
Fuel priming pump, electric
High speed oil change system

Mufflers, dual
Parking brake, electronic
Prescreener
Separator, water/fuel
Thermal shields, exhaust
Torque divider
Transmission, powershift:
– (3F/3R speeds)

SAFETY AND SECURITY

Anchorage points
Fender guard rails
Heavy duty steps and handles
Operator Not Present Monitoring System
Seat belt warning system
Slope and side-slope monitor

UNDERCARRIAGE

610 mm (24 in) Extreme Service track shoe
Equalizer bar end pin grease fittings, remote
Rollers and idlers, lifetime lubricated
Sprocket rim segments, replaceable
Suspension-type undercarriage, eight-roller tubular track roller frame (carrier roller ready)
Three bolt idler caps
Track adjusters, hydraulic
Track guides
Two-piece master links

OTHER STANDARD EQUIPMENT

Auto-blade assist – Dual tilt required
Bottom guard
CD ROM parts book
Ecology drains
Engine enclosure
Fluid sampling ports
Grade control ready
Ground level service center
Hydraulic system, electronically controlled load sensing
Mounting, lift cylinders
Ripper hydraulics
Vandalism, protection (8 caplocks)
VIMS 3G
Product Link (Satellite)

D10T2 (US EPA TIER 4 FINAL) OPTIONAL EQUIPMENT BULLDOZER ATTACHMENTS

10SU Abrasion resistant blade

10SU Abrasion resistant blade, black

10SU Push plate

10U No wear plate

10U Abrasion resistant blade

10U Abrasion resistant blade, black

GUARDS

Bottom guards, cushion dozer

Bottom guards, front counterweight

Bottom guards, partial

Bottom guards, sealed

Guard, fan debris

Guard, undercarriage idlers

Mounting GP, rear screen

Screens, grill door

OPERATOR STATION

Air conditioner:

- Fender

- ROPS

Cab glass:

- 276 kPa (40 psi)

- Dual pane impact resistance glass

Operator arrangement:

- 5th Percentile Arrangement

- Quick opening floor plates

Powered precleaner

Seat, air suspension:

- Cloth, heated and ventilated

- Vinyl

Visibility arrangement:

- Single camera

- Dual camera

- Mirrors

Window shades

POWER TRAIN

Coolant, arctic

Engine prelube

Final drives:

- Clamshell guard

- Cold weather

- Guarded

Lubrication, arctic

Copper Grommetted Tube Radiator

Reversible cooling fan

Remote high speed oil change system:

- Ripper

- Counterweight

REAR ATTACHMENTS

Counterweight:

- 3 slab with hitch
- 4 slab with hitch

CapSure hammerless installation and positive retention system:

- Single shank
- Multi shank
- Single shank deep

Drawbar, rear

Multi shank ripper:

- Deep shank
- Standard shank

Single shank ripper:

- Push block with pin puller
- Standard shank
- Standard shank with pin puller

Ripper mounting:

- Standard
- Wide track

SAFETY AND SECURITY

Access arrangement

Fire suppression ready

Fire suppression installation

Fuel tank, platform ready

Lights:

- Halogen, twelve
- HID
- LED
- LED, high intensity

Powered access ladder

Rear access platform

SPECIAL ARRANGEMENTS

High debris

Sound

Stockpile

TECHNOLOGY

Machine control, performance:

- AutoCarry
- Automatic ripper control

Command for Dozing

Terrain for Grading:

- with blade control

UNDERCARRIAGE

Carrier rollers

Carrier rollers, cold weather

Tracks, PPR, sealed and lubricated:

- 610 mm (24 in) Extreme Service Trapezoidal Hole
- 610 mm (24 in) Super Extreme Service
- 610 mm (24 in) Extreme Service Scallop Resistant
- 610 mm (24 in) Super Extreme Service Scallop Resistant
- 610 mm (24 in) Super Extreme Service Scallop Resistant Round Hole
- 710 mm (28 in) Extreme Service
- 710 mm (28 in) Super Extreme Service
- 710 mm (28 in) Extreme Service Trapezoidal Hole
- 710 mm (28 in) Extreme Service Scallop Resistant
- 710 mm (28 in) Super Extreme Service Scallop Resistant
- 710 mm (28 in) Super Extreme Service Scallop Resistant Round Hole
- 760 mm (30 in) Extreme Service Clipped
- 760 mm (30 in) Super Extreme Service Clipped
- 786 mm (31 in) Extreme Service
- 786 mm (31 in) Extreme Service Trapezoidal Hole
- 786 mm (31 in) Extreme Service Scallop Resistant ARM

Undercarriage arrangements:

- Abrasion resistant
- Cold abrasion
- Cold weather
- Guarded
- Sound

OTHER ATTACHMENTS

Automatic lubrication system

Fire suppression ready

Fire suppression installation

Fuel lines, heater

Grease points, grouped

Heater, engine coolant

Hydraulic, dual tilt

Hydraulic, dual tilt, cushion dozer

Hydraulic, single tilt, cushion dozer

Main frame, cushion dozer

Starting cold weather

