

PRODUCT SPECIFICATIONS FOR D10T2 (TIER 2 / EU STAGE II)

US Metric

Engine Model	Cat® C27 ACERT™
Flywheel Power	447 kW
Bore	137 mm
Stroke	152 mm
Displacement	27 l
Note (1)	*Excludes all fan losses.
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 - Gross SAE J1995* (FWD/REV)	470/571 kW (630/766 hp)
Net SAE J1349/ISO 9249 DIN (FWD/REV)	608/732 hp
Note (4)	No derating (in FWD gears) required up to 4572 m (15,000 ft) altitude.
Net SAE J1349/ISO 9249 (FWD/REV)	447/538 kW (600/722 hp)
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 (2)	Engine ratings apply at 1,800 rpm.

**Engine Power - Net SAE
J1349/ISO 9249 DIN
(FWD/REV)** 608/732 hp

Emissions Tier 2 and EU Stage II Equivalent

**Operating
Weight** 70171 kg

Shipping Weight 49793 kg

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.

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

Length - With U-Blade 7750 mm

Height - ROPS/Canopy* 4406 mm

Width - Over Trunnions 3736 mm

Length - With SU-Blade 7416 mm

Height - FOPS Cab* 4098 mm

Overall Length - SU-Blade/SS Ripper 9158 mm

Overall Length - Basic Tractor 5324 mm

Height - Top of Stack* 4356 mm

Drawbar Height (Center of Clevis) 864 mm

Length - Track on Ground	3880 mm
Length - With Single-Shank Ripper	7081 mm
Length - With Multi-Shank Ripper	7241 mm
Ground Clearance*	725 mm
Width - Without Trunnions - 610 mm/24 in ES	3292 mm
Track Gauge	2550 mm
Length - Basic Tractor - With Drawbar	5598 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 Setting	20300 kPa
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 (3)	Complete system consists of pump, tank with filter, oil cooler, valves, lines, and control levers.
Note (2)	Electro-hydraulic pilot valves assist operations of ripper and dozer controls.
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 8

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

Note *With oil filters.

Hydraulic Tank 131 l

Oscillation 351 mm

Hydraulically Applied Multiple-disc Steering Clutch 392 mm

Spring Applied Multiple-disc Brake 392 mm

Sound (1) The exterior sound pressure level for the standard machine (ISO 6395) is 115 dB(A)/111 dB(A) (sound suppressed).

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).

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 (TIER 2 / EU STAGE II) 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
C27 with ACERT Technology
C27 with ACERT Technology – Tier 2 and Stage II Equivalent for lesser regulated countries – Sound Suppressed:
– 24 volt electric start
Coolant, extended life
Shift management:
– Advanced Productivity Electronic Control System (APECS)
– Enhanced AutoShift (EAS)
Engine Idler Shutdown Timer
Ether starting aid, automatic
Hvdraulic 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 (TIER 2 / EU STAGE II) 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

Mesabi radiator arrangements

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

