

Product Specifications For D11



Engine - U.S. EPA Tier 4 Final/EU Stage V

Engine Model	Cat® C32B
Engine Power - Net SAE J1349/ISO 9249 - Forward	634 kW
Displacement	32.1 l
Engine Power - Net SAE J1349/ISO 9249 - Reverse	714 kW
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.

Weights

Operating Weight	106 614 kg
Operating Weight - Carrydozer	113700 kg
Note (1)	D11 Operating Weight: Includes blade tilt cylinders, coolant, lubricants, full fuel tank, ROPS, FOPS cab, 11U ABR bulldozer, single-shank ripper with pin-puller, fast fuel, 710 mm (28 in) ES shoes, and operator.
Note (2)	D11 CD Operating Weight: Includes lubricant, coolant, full fuel tank, 915 mm (36 in) extreme service shoes, 11 Carrydozer, singleshank ripper, and operator.

Blades

Semi-Universal (SU)* Capacity	27.2 m ³
Semi-Universal (SU)* Width Over Endbits	5584 mm

U-Blade Capacity	34.4 m ³
U-Blade Width	6340 mm
Reclamation Universal - Blade capacity (SAE J1265)	42 m ³
Reclamation Universal - Width with blade (over end bits)	6395 mm
Carry Dozer - Blade capacity (SAE J1265)	43.6 m ³
Carry Dozer - Width with blade (over end bits)	6704 mm

Engine - U.S. EPA Tier 2 Equivalent

Engine Model	Cat® C32B
Displacement	32.1 l
Engine Power - Net SAE J1349/ISO 9249 - Forward	634 kW
Engine Power - Net SAE J1349/ISO 9249 - Reverse	714 kW
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.

Fuel Tank Capacities

Fuel Tank - Total Volume	1895 l
Fuel Tank - Usable Volume	1800 l

Hydraulic Controls

Pump Type	Variable displacement piston pump
Combined Pump Output - Implement	670 L/min

Undercarriage

Shoe Type	Extreme Service
Width - Shoe	710 mm
Width - Shoe - CD	915 mm
Shoes/Side	41
Grouser Height	102 mm
Pitch	318 mm
Ground Clearance*	777 mm
Track Gauge	2896 mm
Length - Track on Ground	4444 mm
Ground Contact Area	6.3 m²
Ground Contact Area - CD	8.1 m²
Track Rollers/Side	8
Number of Carrier Rollers	1 per side (optional)

Transmission

1.0 Forward	4 km/h
2.0 Forward	7 km/h
3.0 Forward	12.2 km/h

1.0 Reverse	4.8 km/h
2.0 Reverse	8.5 km/h
3.0 Reverse	14.7 km/h
Drawbar Pull - 3 Forward	205.8 kN
Drawbar Pull - 1 Forward	659.2 kN
Drawbar Pull - 2 Forward	366.1 kN

Ripper - Single Shank

Maximum penetration force * (shank vertical)	294 kN
Maximum penetration depth (standard tip)	1612 mm
Pryout Force	661 kN

Ripper - Single Shank, Deep Ripping

Maximum penetration force * (shank vertical)	294 kN
Maximum penetration depth (standard tip)	2172 mm
Pryout Force	661 kN

Ripper - Multi-Shank, Adjustable Parallelogram

Overall Beam Width	3330 mm
Maximum Penetration Force - Shank Vertical	344 kN
Maximum Penetration - Standard Tip	1100 mm
Pry-Out Force - Multi-Shank Ripper with One Tooth	648 kN

Dimensions - D11 Carrydozer

Width at Outside of Track (710 mm Track Shoe)	3806 mm
Length with SU-Blade** - No rear attachment	8765 mm
Overall Length SU-Blade and SS Ripper**	10712 mm

Service Refill Capacities

Cooling System	177 l
Cooling System Refill - Tier 2 Equivalent Engine	158 l
Engine Crankcase	133 l
Power Train	454 l
Power Train - Refill Volume	391 l
Final Drive - Each	47 l
Roller Frames - Each	94 l
Hydraulic Tank	160 l
Hydraulic System Tank and Chassis	245 l
Hydraulic System Chassis + Blade and Ripper (Standard)	445 l
Hydraulic System Chassis + Blade and Ripper (Carrydozer)	540 l

Standards

ROPS	Rollover Protective Structure (ROPS) meets the following criteria: ISO 3471:2008
FOPS	Falling Objects Protective Structure (FOPS) meets the following criteria: ISO 3449:2005 LEVEL II
Sound (1)	The exterior sound pressure level for the standard machine (ISO 6396:2008) is 116 dB(A) (sound suppressed).

Sound (2)

The operator equivalent sound pressure level (ISO 6396:2008) is 78 dB(A) (sound suppressed).

Dimensions - D11

Ground Clearance*

798 mm

Track Gauge

2896 mm

Width at Outside of Track (710 mm Track Shoe)

3606 mm

Height (ROPS/canopy)*

4723 mm

Length of Track on Ground

4444 mm

Length with SU-Blade - No rear attachment**

8579 mm

Overall Length SU-Blade and SS Ripper**

10525 mm

Note

*Includes grouser height for total dimensions on hard surfaces.

Air Conditioning System

Note (1)

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.1 kg (4.6 lb) of refrigerant which has a CO2 equivalent of 3.003 metric tonnes (3.31 tons)

D11 Standard Equipment

OPERATOR ENVIRONMENT

ROPS/FOPS, Sound-Suppressed Cab

High-Definition Primary Touchscreen Display

Visibility – Rearview Mirrors

Air Conditioner and Heater with Automatic Climate Control

Seat – Cloth with Air suspension

Cab Glass – Single-Pane Tinted Safety

Cab Access – Blade Push Arm Steps and Grab Handle

CAT TECHNOLOGY PRODUCTS

VIMS

Automated Blade Assist (ABA)

Cat Product Link™ Elite (cellular)

CAT POWER TRAIN

Cat C32 Engine – U.S. EPA Tier 4 Final or Tier 2 Equivalent

High-Performance Single-Plane Cooling Module

Stator Clutch Torque Divider – Electronic Control

Powershift Transmission – Three-Speed Electronic Shift

UNDERCARRIAGE

Suspension Type Undercarriage

Sleeve Bearing Track

Lifetime-Lubricated Rollers and Idlers

Track Shoe (ES): 710 mm (28 in) Width

HYDRAULICS

Electronically Controlled, Load-Sensing Dozer Lift and Tilt

Electronically Controlled, Load-Sensing Ripper Lift and Pitch

Dozer Blade – Dual Tilt

Electronically Enabled Blade – Quick Drop

ELECTRICAL

24V Electric Start, Dual Starters

Batteries – 4 × 4,200-Amp Hour, 12V

Battery Isolation

Lights – Halogen – 13 Positions

SERVICE AND MAINTENANCE

Ecology Fluid Drains – All Compartments

Hinged Bottom Guards

High-Speed Oil Change – Engine and Transmission

Ground-Level Fast Fuel Fill

Ground-Level Electrical Service Station

S·O·SSM Fluid Sampling Ports

Diagnostic Connector

D11 Optional Equipment

OPERATOR ENVIRONMENT

MineStar™ Terrain Display

Visibility – Dual Camera

Visibility – Four Cameras, 360 Degree View

Seat – Heated, Cooled, Adjustable Lumbar and Bolsters

Cab Glass – Dual-Pane Laminated Impact Safety

Cab Glass – High-Pressure Safety (40 psi/275 kPa)

Cab Access – Powered Ladder

CAT TECHNOLOGY PRODUCTS

AutoCarry™

Auto Ripper Control

Cat Terrain with 3D Blade Control

Cat Terrain Ready

Cat Product Link Elite Dual Mode (cellular + satellite)

Cat Command for Dozing Ready

CAT POWER TRAIN

Hydraulic Cooling Fan – Automatic Reversing

UNDERCARRIAGE

Track Shoes (ES): 810/915 mm (32/36 in) Width (various configurations)

Track Links – High Abrasion – Tall Link

Track Links – Heavy Duty XL – Duralink

Track Shoe – Abrasion Resistant

Track Shoe – Anti-Packing Round Hole

Abrasion Rollers and Idlers

Cold Weather Rollers and Idlers

Sound Suppression Undercarriage

Carrier Roller

HYDRAULICS

Carrydozer Hydraulics

Dozer Extended Blade Pitch

Ripper Pin Puller

ELECTRICAL

Battery Isolation – Dual Pole

Lights – LED – Premium Package

SERVICE AND MAINTENANCE

Sound Reduction Sealed Bottom Guards

Ground-Level Fluid Fill and Drain

Ripper Lubrication – Autolube with Ground-Level Fill

Ripper Lubrication – Grouped – Ground-Level Fill

REAR ATTACHMENTS

Ripper – Single Shank with Pin Puller

Ripper – Single Shank Pushblock with Pin Puller

Ripper – Single Shank with Pin Puller – Heavy

Ripper – Multi Shank (three shank)

Ripper – Multi Shank – Heavy (three shank)
Ripper – Multi Shank Leach Pad with Pin Puller
Ripper – Multi Shank – Coal (five shank)
Counterweight – Rear
Drawbar with Counterweight

BLADES

Semi-Universal (27.2 m³/35.6 yd³)
Universal (34.4 m³/45.0 yd³)
Carrydozer (43.6 m³/57 yd³)
Reclamation Universal (42 m³/55 yd³)
Reclamation Universal (53.5 m³/70 yd³)
Coal Universal (75 m³/98.0 yd³)
Coal Universal (65 m³/85.5 yd³)

OTHER

Fire Suppression Ready
Fire Suppression Installed