

# PRODUCT SPECIFICATIONS FOR D11 / D11 CD

US      Metric

**Engine Model**                      Cat® C32

**Engine Power - Net SAE  
J1349/ISO 9249 - Forward**              634 kW

**Displacement**                      32.1 l

**Engine Power - Net SAE  
J1349/ISO 9249 - Reverse**              712 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.

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**Displacement**                      32.1 l

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**Engine Power - Net SAE  
J1349/ISO 9249 - Reverse**              714 kW

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

**Fuel Tank - Total Volume** 1895 l

**Fuel Tank - Usable Volume** 1800 l

**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

**Operating Weight** 104236 kg

**Operating Weight - Carrydozer** 113700 kg

**Note (1)** D11 Operating Weight: Includes blade tilt cylinders, coolant, lubricants, full

**Note (1)** D11 Operating Weight includes blade and 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.

**Pump Type** Variable displacement piston pump

**Combined Pump Output - Implement** 670 l/min

**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 m<sup>2</sup>

**Ground Contact Area - CD** 8.1 m<sup>2</sup>

**Track Rollers/Side** 8

**Number of Carrier Rollers**

1 per side (optional)

**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)

**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).

**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

<b>Semi-Universal (SU)* Capacity</b>	27.2 m <sup>3</sup>
<b>Semi-Universal (SU)* Width Over Endbits</b>	5584 mm
<b>U-Blade Capacity</b>	34.4 m <sup>3</sup>
<b>U-Blade Width</b>	6340 mm
<b>Reclamation Universal - Blade capacity (SAE J1265)</b>	42 m <sup>3</sup>
<b>Reclamation Universal - Width with blade (over end bits)</b>	6395 mm
<b>Carry Dozer - Blade capacity (SAE J1265)</b>	43.6 m <sup>3</sup>
<b>Carry Dozer - Width with blade (over end bits)</b>	6704 mm
<b>Maximum penetration force * (shank vertical)</b>	294 kN
<b>Maximum penetration depth (standard tip)</b>	1612 mm
<b>Pryout Force</b>	661 kN
<b>Maximum penetration force * (shank vertical)</b>	294 kN
<b>Maximum penetration depth (standard tip)</b>	2172 mm
<b>Pryout Force</b>	661 kN
<b>Overall Beam Width</b>	3330 mm
<b>Maximum Penetration Force - Shank Vertical</b>	344 kN

<b>Maximum Penetration - Standard Tip</b>	1100 mm
<b>Pry-Out Force - Multi-Shank Ripper with One Tooth</b>	648 kN
<b>Ground Clearance*</b>	798 mm
<b>Track Gauge</b>	2896 mm
<b>Width at Outside of Track (710 mm Track Shoe)</b>	3606 mm
<b>Height (ROPS/canopy)*</b>	4723 mm
<b>Length of Track on Ground</b>	4444 mm
<b>Length with SU-Blade** - No rear attachment</b>	8579 mm
<b>Overall Length SU-Blade and SS Ripper**</b>	10525 mm
<b>Note</b>	*Includes grouser height for total dimensions on hard surfaces.
<b>Width at Outside of Track (710 mm Track Shoe)</b>	3806 mm
<b>Length with SU-Blade** - No rear attachment</b>	8765 mm
<b>Overall Length SU-Blade and SS Ripper**</b>	10712 mm

## **D11 / D11 CD 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 / D11 CD 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 m<sup>3</sup>/35.6 yd<sup>3</sup>)

Universal (34.4 m<sup>3</sup>/45.0 yd<sup>3</sup>)

Carrydozer (43.6 m<sup>3</sup>/57 yd<sup>3</sup>)

Reclamation Universal (42 m<sup>3</sup>/55 yd<sup>3</sup>)

Reclamation Universal (53.5 m<sup>3</sup>/70 yd<sup>3</sup>)

Coal Universal (75 m<sup>3</sup>/98.0 yd<sup>3</sup>)

Coal Universal (65 m<sup>3</sup>/85.5 yd<sup>3</sup>)

## **OTHER**

Fire Suppression Ready

Fire Suppression Installed

