

# Product Specifications For 272D3 XE



## Engine

Gross Power - SAE J1995:2014	110 hp
Net Power - SAE 1349	106 hp
Displacement	232 in <sup>3</sup>
Stroke	4.7 in
Bore	3.9 in
Net Flywheel Power	106 hp
Engine Model	Cat C3.8 DIT (turbo)
Net Power - ISO 9249	107 hp
Peak Torque - 1,500 rpm - SAE J1995	276 ft·lbf

## Operating Specifications

Rated Operating Capacity	3700 lb
Tipping Load	7400 lb
Breakout Force - Tilt Cylinder	7362 lb
Breakout Force - Lift Cylinder	6085 lb
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, ride control, enclosed cab with glass door, side windows, air conditioning, air ride seat, advanced display, rearview camera, 1,000 CCA battery, dual direction self level, 2036 mm (80 in) low profile bucket, no optional counterweights, Cat PC 14 × 17.5 tires and manual quick coupler (unless otherwise noted).

<b>Rated Operating Capacity with Optional Counterweight</b>	3950 lb
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## Weights

<b>Operating Weight</b>	9573 lb
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### Note

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## Dimensions

<b>Wheel Base</b>	54.6 in
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<b>Height - Top of Cab</b>	84 in
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<b>Vehicle Width over Tires</b>	76 in
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<b>Ground Clearance</b>	10.4 in
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<b>Departure Angle</b>	28°
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<b>Maximum Dump Angle</b>	51°
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<b>Bumper Overhang - Behind Rear Axle</b>	46.2 in
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<b>Turning Radius from Center - Machine Rear</b>	74.7 in
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**Length -  
Without Bucket**

127 in

**Reach -  
Maximum  
Lift/Dump**

29 in

**Clearance at  
Maximum Lift  
and Dump**

97.4 in

**Bucket Pin  
Height -  
Maximum Lift**

128.6 in

**Bucket Pin  
Height - Carry  
Position**

9.3 in

**Turning Radius  
from Center -  
Coupler**

57.7 in

**Bucket Pin  
Reach -  
Maximum Lift**

13.5 in

**Rack Back  
Angle -  
Maximum  
Height**

84°

**Maximum  
Overall Height**

161.5 in

**Length - With  
Bucket on  
Ground**

155 in

**Maximum  
Reach - With  
Arms Parallel to  
Ground**

49.1 in

**Turning Radius  
from Center -  
Bucket (racked)**

90.6 in

**Note**

Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, ride control, enclosed cab with glass door, side windows, air conditioning, air ride seat, advanced display, rearview camera, 1,000 CCA battery, dual direction self level, 2036 mm (80 in) low profile bucket, no optional counterweights, Cat PC 14 × 17.5 tires and manual quick coupler (unless otherwise noted).

**Roll Back Angle**

28°

**Cab**

**ROPS**

ISO 3471:2008

**FOPS**

ISO 3449:2005 Level I

**Service Refill Capacities**

**Cooling System**

4.1 gal (US)

**Engine Crankcase**

3.5 gal (US)

**Fuel Tank**

31.7 gal (US)

**Hydraulic System**

14.5 gal (US)

**Hydraulic Tank**

10.3 gal (US)

**Chain Box - Each Side**

2.7 gal (US)

**Diesel Exhaust Fluid (DEF) Tank**

5 gal (US)

**Hydraulic System**

**Standard Flow Mode - Loader Hydraulic Pressure**

3335 psi

**Standard Flow Mode - Hydraulic Power - Calculated**

44 hp

**Standard Flow Mode - Loader Hydraulic Flow**

23 gal/min

**Note**

\*When equipped with Cat 400 Series work tools.

**Hydraulic Flow - XE - Maximum Loader Hydraulic Pressure**

4061 psi

**Hydraulic Flow - XE - Maximum Loader Hydraulic Flow\***

40 gal/min

**Hydraulic Flow - XE - Hydraulic Power (calculated)**

94 hp

## Power Train

**Travel Speed - Forward or Reverse - One Speed**

7.2 mile/h

**Travel Speed - Forward or Reverse - Two Speed**

10.3 mile/h

## Air Conditioning System (If Equipped)

**Air Conditioning**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.81 kg of refrigerant which has a CO2 equivalent of 1.158 metric tonnes.

## Noise Level

**Note (2)**

\*\*The declared dynamic operator sound pressure levels per ISO 6396:2008. The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

**Outside Cab\*\*\***

104 dB(A)

**Inside Cab\*\***

83 dB(A)

**Note (1)**

Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

**Note (3)**

\*\*\*The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.

# 272D3 XE Standard Equipment

## ELECTRICAL

12 volt Electrical System

100 ampere Alternator

Ignition Key Start/Stop Switch

Lights: Gauge Backlighting, Two Rear Tail Lights, Two Rear Halogen Working Lights, Two Adjustable Front Halogen Lights, Dome Light

Backup Alarm

Heavy Duty Battery, 1,000 CCA, with Battery Disconnect

## OPERATOR ENVIRONMENT

Gauges: Fuel Level, DEF Level, Hour Meter

Operator Warning System Indicators: Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Air Inlet Heater Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Park Brake Engaged, Engine Emission System

High Back Cloth Seat with Air Suspension, Heated with Recline and Lumbar Support and Fully Adjustable Seat Mounted Controls

Fold In Ergonomic Contoured Armrest

Control Interlock System, when operator leaves seat or armrest raised: Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages

ROPS Cab, Enclosed, Tilt Up

FOPS, Level I

Top, Rear and Side Windows

Headliner, Deluxe

Floor Mat

Interior Rearview Mirror

12 volt Electric Socket

Horn

Hand (Dial) and Foot Throttle, Electronic with Decel Feature

Advanced Display with Rearview Camera: Full Color, 127 mm (5 in) LCD Screen, Advanced Multi-operator Security System, On-screen Adjustments for Implement Response, Hystat Drive Response, and Creep Control

Storage Compartment with Netting

## POWER TRAIN

Cat C3.8, Turbo Diesel Engine, Meeting Tier 4 Final and Stage V Emission Standards

Air Cleaner, Dual Element, Radial Seal

S·O·SSM Sampling Valve, Hydraulic Oil

Filters, Cartridge-type, Hydraulic

Filters, Canister-type, Fuel and Water Separator

Radiator/Hydraulic Oil Cooler (side-by-side)

Spring Applied, Hydraulically Released Parking Brakes

Hydrostatic Transmission, Two Speed with Speed Sensitive Ride Control

Four Wheel Chain Drive, 14 × 17.5 Tires

## OTHER

Engine Enclosure, Lockable  
Extended Life Antifreeze, -37° C (-34° F)  
Machine Tie Down Points (6)  
Support, Lift Arm  
Hydraulic Oil Level Sight Gauge  
Radiator Coolant Level Sight Gauge  
Radiator, Expansion Bottle  
Cat ToughGuard™ Hose  
Auxiliary, Hydraulics, Continuous Flow  
Heavy Duty, Flat Faced Quick Disconnects with Integrated Pressure Release  
Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm  
Electrical Outlet, Beacon  
Belly Pan Cleanout  
Variable Speed Demand Fan  
Product Link™ PL240, Cellular

## MANDATORY EQUIPMENT

Quick Coupler, Mechanical or Powered  
High Visibility Seat Belt, 50 mm (2 in) or 75 mm (3 in)  
PERFORMANCE PACKAGE:

– Performance Package H3: XE Hydraulics, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)

COMFORT PACKAGE:

– Enclosed ROPS with A/C (C3): Foot Throttle, Headliner, Heater and Defroster, Side Windows, Cup Holder, Radio Ready, Air Ride Seat (High Back and Heated) and Door (Glass or Polycarbonate)

## 272D3 XE Optional Equipment

## OPTIONAL EQUIPMENT

Beacon, Rotating  
Engine Block Heater – 120V  
Oil, Hydraulic, Cold Operation  
Paint, Custom  
Variable Speed Demand Fan with Reversing Functionality  
External Counterweights  
Product Link PL641, Cellular  
Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)