

PRODUCT SPECIFICATIONS FOR 272D3 XE

Gross Power - SAE J1995	110 HP
Net Power - SAE 1349	106 HP
Displacement	232 in ³
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
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).

Rated Operating Capacity with Optional Counterweight 3950 lb

Operating Weight 9573 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).

Wheel Base 54.6 in

Height - Top of Cab 84 in

Vehicle Width over Tires 76 in

Ground Clearance 10.4 in

Departure Angle 28°

Maximum Dump Angle 51°

Bumper Overhang - Behind Rear Axle 46.2 in

Turning Radius from Center - Machine Rear 74.7 in

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°

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

ROPS ISO 3471:2008

FOPS ISO 3449:2005 Level I

Travel Speed - Forward or Reverse - One Speed 7.2 mile/h

Travel Speed - Forward or Reverse - Two Speed 10.3 mile/h

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)

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.
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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.
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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.
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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.
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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)