

Product Specifications For 272D3



Engine

Gross Power - SAE J1995:2014	98 hp
Net Power - SAE 1349	95 hp
Displacement	232 in ³
Stroke	4.7 in
Bore	3.9 in
Peak Torque - 1,500 rpm - SAE J1995	246 ft·lbf
Engine Model	Cat C3.8 DIT (turbo)
Net Power - ISO 9249	96 hp
Net Flywheel Power	95 hp

Operating Specifications

Rated Operating Capacity	3450 lb
Tipping Load	6900 lb
Breakout Force - Tilt Cylinder	7443 lb
Breakout Force - Lift Cylinder	6074 lb
Rated Operating Capacity with Optional Counterweight	3690 lb

Note

Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, enclosed cab with glass door, side windows, heater, mechanical suspension seat, advanced display, standard flow hydraulics, 850 CCA battery, 1883 mm (74 in) low profile bucket, no optional counterweights, Cat PC 12 × 16.5 tires and manual quick coupler (unless otherwise noted).

Weights

Operating Weight

9133 lb

Note

Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, enclosed cab with glass door, side windows, heater, mechanical suspension seat, advanced display, standard flow hydraulics, 850 CCA battery, 1883 mm (74 in) low profile bucket, no optional counterweights, Cat PC 12 × 16.5 tires and manual quick coupler (unless otherwise noted).

Dimensions

Wheel Base

54.6 in

Height - Top of Cab

82.4 in

Vehicle Width over Tires

72 in

Ground Clearance

8.9 in

Departure Angle

27°

Maximum Dump Angle

51°

Bucket Pin Reach - Maximum Lift

14.7 in

Bucket Pin Height - Maximum Lift

127.1 in

Turning Radius from Center - Machine Rear 74.7 in

Reach - Maximum Lift/Dump 30.3 in

Bumper Overhang - Behind Rear Axle 46.2 in

Length - Without Bucket 127.6 in

Maximum Overall Height 160.1 in

Turning Radius from Center - Coupler 58.3 in

Maximum Reach - With Arms Parallel to Ground 50.5 in

Clearance at Maximum Lift and Dump 96 in

Length - With Bucket on Ground 155.7 in

Bucket Pin Height - Carry Position 7.8 in

Turning Radius from Center - Bucket (racked) 89.8 in

Rack Back Angle - Maximum Height 84°

Note Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, enclosed cab with glass door, side windows, heater, mechanical suspension seat, advanced display, standard flow hydraulics, 850 CCA battery, 1883 mm (74 in) low profile bucket, no optional counterweights, Cat PC 12 × 16.5 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

Hydraulic Flow - Standard - Loader Hydraulic Flow 23 gal/min

Hydraulic Flow - High Flow XPS - Hydraulic Power (Calculated) 76 hp

Hydraulic Flow - Standard - Hydraulic Power (Calculated) 44 hp

Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Flow 32 gal/min

Hydraulic Flow - Standard - Loader Hydraulic Pressure 3335 psi

Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Pressure 4061 psi

Power Train

Travel Speed - Forward or Reverse - One Speed 6.6 mile/h

Travel Speed - Forward or Reverse - Two Speed Option 9.4 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

Outside Cab** 102 dB(A)

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.

Note (1) Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

Inside Cab* 83 dB(A)

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 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, 850 CCA

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

Adjustable Vinyl Seat

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, Open, Tilt Up

FOPS, Level I

Top and Rear Windows

Floor Mat

Interior Rearview Mirror

12 volt Electric Socket

Horn

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

Adjustable Joystick Controls

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

Four Wheel Chain Drive

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

Hydraulics, Standard or High Flow XPS
Quick Coupler, Mechanical or Powered
High Visibility Seat Belt, 50 mm (2 in) or 75 mm (3 in)
Power Train: One Speed, Two Speed or Two Speed with Speed Sensitive Ride Control
Tires, 12 × 16.5 or 14 × 17.5

PERFORMANCE PACKAGE (must select one of the following):

- Performance Package H1: Standard Flow Hydraulics (No Self Level)
- Performance Package H2: Standard Flow, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)
- Performance Package H3: High Flow XPS, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)

COMFORT PACKAGE (must select one of the following):

- Open ROPS (C0): Static Seat (No Foot Throttle, Headliner, Heater or Door)
- Open ROPS (C1): Foot Throttle, Headliner, Cup Holder, and choice of Seat (Mechanical Suspension or High Back, Heated, Air Ride Seat) (No Heater or Door)
- Enclosed ROPS with Heater (C2): Foot Throttle, Headliner, Heater and Defroster, Side Windows, Cup Holder, Radio Ready, choice of Seat (Mechanical Suspension or High Back, Heated, Air Ride Seat) and Door (Glass or Polycarbonate)
- Enclosed ROPS with A/C (C3): C2 + Air Conditioner

272D3 Optional Equipment

OPTIONAL EQUIPMENT

External Counterweights
Beacon, Rotating
Engine Block Heater - 120V
Oil, Hydraulic, Cold Operation
Paint, Custom
Heavy Duty Battery, 850 CCA, with Battery Disconnect
Heavy Duty Battery, 1,000 CCA, with Battery Disconnect
Product Link PL641, Cellular
Variable Speed Demand Fan with Reversing Functionality
Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)