



Cat® 272D

SKID STEER LOADER

FEATURES:

The Cat® 272D Skid Steer Loader, with its long wheel base and vertical lift design, delivers extended reach and lift height for quick and easy truck loading. Its stability and lifting performance provides excellent material handling. The 272D features the following:

- **Sealed and pressurized cab option** provides a cleaner and quieter operating environment.
- **Seat mounted adjustable joystick controls and available air ride seat** make the D Series the industry leader in operator comfort.
- **High performance power train** provides maximum performance and production capability through the Electronic Torque Management system, optional two speed travel and an industry exclusive electronic hand/foot throttle with decel pedal capability.

- **Electronically controlled Cat C3.8 engine** provides high horsepower and torque while meeting U.S. EPA Tier 4 Interim (EU Stage IIIB) requirements.
- **Cat "Intelligent Leveling" system (ILEV)** provides industry leading technology, integration and exclusive optional features such as dual direction self level, work tool return to dig and work tool positioner.
- **High Flow XPS hydraulic system** is available for applications that demand maximum hydraulic work tool performance.
- **Speed Sensitive Ride Control** option improves operation on rough terrain, enabling better load retention, increased productivity and greater operator comfort.
- **Broad range of performance matched Cat Work Tools** make the Cat Skid Steer Loader the most versatile machine on the job site.

Specifications

Engine

Engine Model	Cat® C3.8 (turbocharged)	
Gross Power SAE J1995	73 kW	98 hp
Net Power SAE 1349	71 kW	95 hp
Displacement	3.8 L	232 in³
Stroke	120 mm	4.7 in
Bore	100 mm	3.9 in

Weights*

Operating Weight	3812 kg	8,404 lb
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Power Train

Travel Speed (Forward or Reverse):		
One Speed	10.6 km/h	6.6 mph
Two Speed Option	15.1 km/h	9.4 mph

Hydraulic System

Hydraulic Flow – Standard:		
Loader Hydraulic Pressure	23 000 kPa	3,335 psi
Loader Hydraulic Flow	86.4 L/min	23 gal/min
Hydraulic Power (calculated)	33 kW	44 hp
Hydraulic Flow – High Flow XPS:		
Max. Loader Hydraulic Pressure	28 000 kPa	4,061 psi
Max. Loader Hydraulic Flow	120 L/min	32 gal/min
Hydraulic Power (calculated)	57 kW	76 hp

Operating Specifications

Rated Operating Capacity	1451 kg	3,200 lb
Rated Operating Capacity with Optional Counterweight	1565 kg	3,450 lb
Tipping Load	2903 kg	6,400 lb
Breakout Force, Tilt Cylinder	3359 kg	7,405 lb
Breakout Force, Lift Cylinder	2767 kg	6,100 lb

Cab

ROPS	SAE J1040 MAY94, ISO 3471:1994
FOPS	SAE J1043 SEPT87, ISO 3449:1992 Level I
FOPS Level II	SAE J231 JAN81, ISO 3449:1992 Level II

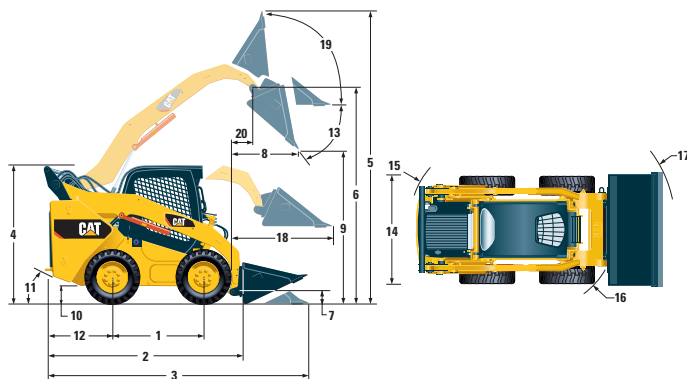
Service Refill Capacities

Chain Box, each side	8.6 L	2.3 gal
Cooling System	14 L	3.7 gal
Engine Crankcase	10 L	2.6 gal
Fuel Tank	117 L	30.8 gal
Hydraulic System	61 L	16 gal
Hydraulic Tank	39 L	10.3 gal

*Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, single speed, mechanical suspension seat, OROPS, standard flow hydraulics, 1829 mm (72 in) Dirt Bucket, Cat PC 12 x 16.5 tires and manual quick coupler (unless otherwise noted).



272D Skid Steer Loader



Dimensions

1 Wheelbase	1386 mm	54.6 in
2 Length w/o Bucket	3139 mm	123.6 in
3 Length w/Bucket on Ground	3850 mm	151.6 in
4 Height to Top of Cab	2104 mm	82.8 in
5 Max. Overall Height	4048 mm	159.4 in
6 Bucket Pin Height at Max. Lift	3217 mm	126.6 in
7 Bucket Pin Height at Carry Position	200 mm	7.9 in
8 Reach at Max. Lift and Dump	785 mm	30.9 in
9 Clearance at Max. Lift and Dump	2418 mm	95.2 in
10 Ground Clearance	226 mm	8.9 in
11 Departure Angle	25°	
12 Bumper Overhang Behind Rear Axle	1084 mm	42.7 in
13 Maximum Dump Angle	52°	
14 Vehicle Width over Tires	1930 mm	76.0 in
15 Turning Radius from Center – Machine Rear	1874 mm	73.8 in
16 Turning Radius from Center – Coupler	1496 mm	58.9 in
17 Turning Radius from Center – Bucket	2324 mm	91.5 in
18 Max. Reach w/Arms Parallel to Ground	1287 mm	50.7 in
19 Rack Back Angle at Max. Height	83°	
20 Bucket Pin Reach at Max. Lift	408 mm	16.1 in

MANDATORY EQUIPMENT

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

COMFORT PACKAGE (must select one of the following)

- Open ROPS (C1): *Cup Holder, Radio Ready, Suspension Seat, (No Heater or Door)*
- Enclosed ROPS with Heat (C2): *Cup Holder, Radio Ready, Seat (choice of Suspension or Air Ride), Heater and Defroster, Side Windows, Door (either Glass or Polycarbonate)*
- Enclosed ROPS with A/C (C3): *C2 + Air Conditioner*

PERFORMANCE PACKAGE (must select one of the following)

- Performance Package H1: *Standard Flow Hydraulics*
- Performance Package H2: *Standard Flow, Dual Direction Electronic Self Level (raise and lower), Electronic Snubbing (Lift)*
- Performance Package H3: *High Flow XPS, Dual Direction Electronic Self Level (raise and lower), Electronic Snubbing (Lift)*

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, 880 CCA

OPERATOR ENVIRONMENT

- Gauges: *Fuel Level, Hour Meter*
- Operator Warning System Indicators: *Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Park Brake Engages, Regeneration – Engine Emissions*
- 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
- Headliner, Deluxe
- Floor Mat
- Interior Rear View Mirror
- 12 volt Electric Socket
- Horn
- Hand (Dial) and Foot Throttle, Electronic with Decel Feature

POWER TRAIN

- Cat® C3.8, Turbo, Tier 4 Interim (Stage IIIB) Certified Engine
- Air Cleaner, Dual Element, Radial Seal
- S-O-SSM Sampling Valve, Hydraulic Oil
- Filters, Cartridge-type, Hydraulic
- Filters, Cartridge-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 (4)
- 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

OPTIONAL ATTACHMENTS

- Counterweight
- Beacon, Rotating
- Engine Block Heater – 120V
- Oil, Hydraulic, Cold Operation
- Heavy Duty Battery, 1,000 CCA
- Paint, Custom
- Advanced Machine Information and Control System (AMICS)
- Work Tool Return to Dig and Work Tool Positioner
- AM/FM/Weather Band Receiver with CD Player and Auxiliary Input Jack

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