



# Cat<sup>®</sup> 272D2

## SKID STEER LOADER

### FEATURES:

The Cat<sup>®</sup> 272D2 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 272D2 features the following:

- **Industry leading sealed and pressurized cab option** provides a cleaner and quieter operating environment with excellent work tool visibility.
- **Available high-back, heated, air ride seat with seat mounted adjustable joystick controls** makes Cat Skid Steer Loaders 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 electronic hand/foot throttle with decel pedal capability.
- **High Flow XPS hydraulic system** is available for applications that demand maximum hydraulic work tool performance.
- **Electronically controlled Cat C3.8 engine** provides high horsepower and torque while meeting U.S. EPA Tier 4 Final/EU Stage IV emission standards.
- **Cat "Intelligent Leveling" system (ILEV)** provides industry leading technology, integration and optional features such as dual direction self level, work tool return to dig and work tool positioner.
- **Speed Sensitive Ride Control option** improves operation on rough terrain, enabling better load retention, increased productivity and greater operator comfort.
- **Maximize machine capability and control** with the standard Advanced Display providing on-screen adjustments for implement response, hystat response and creep control. Also features multi-language functionality with customizable layouts, security system and rearview camera.
- **Ground level access** to all daily service and routine maintenance points helps reduce machine downtime for greater productivity.
- **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 DIT (turbo)	
Gross Power SAE J1995	73 kW	98 hp
Net Power SAE 1349	71 kW	95 hp
Net Power ISO 9249	71 kW	96 hp
Peak Torque at 1,500 rpm SAE J1995	334 N-m	246 lbf-ft
Displacement	3.8 L	232 in <sup>3</sup>
Stroke	120 mm	4.7 in
Bore	100 mm	3.9 in

### Weights\*

Operating Weight	3977 kg	8,768 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

### Operating Specifications\*

Rated Operating Capacity	1542 kg	3,400 lb
Rated Operating Capacity with Optional Counterweight	1656 kg	3,650 lb
Tipping Load	3084 kg	6,800 lb
Breakout Force, Tilt Cylinder	3376 kg	7,443 lb
Breakout Force, Lift Cylinder	2755 kg	6,074 lb

### Hydraulic System

Hydraulic Flow – Standard:			
Loader Hydraulic Pressure	23 000 kPa	3,335 psi	
Loader Hydraulic Flow	86 L/min	23 gal/min	
Hydraulic Power (calculated)	33 kW	44 hp	
Hydraulic Flow – High Flow XPS:			
Maximum Loader Hydraulic Pressure	28 000 kPa	4,061 psi	
Maximum Loader Hydraulic Flow	121 L/min	32 gal/min	
Hydraulic Power (calculated)	57 kW	76 hp	

### Cab

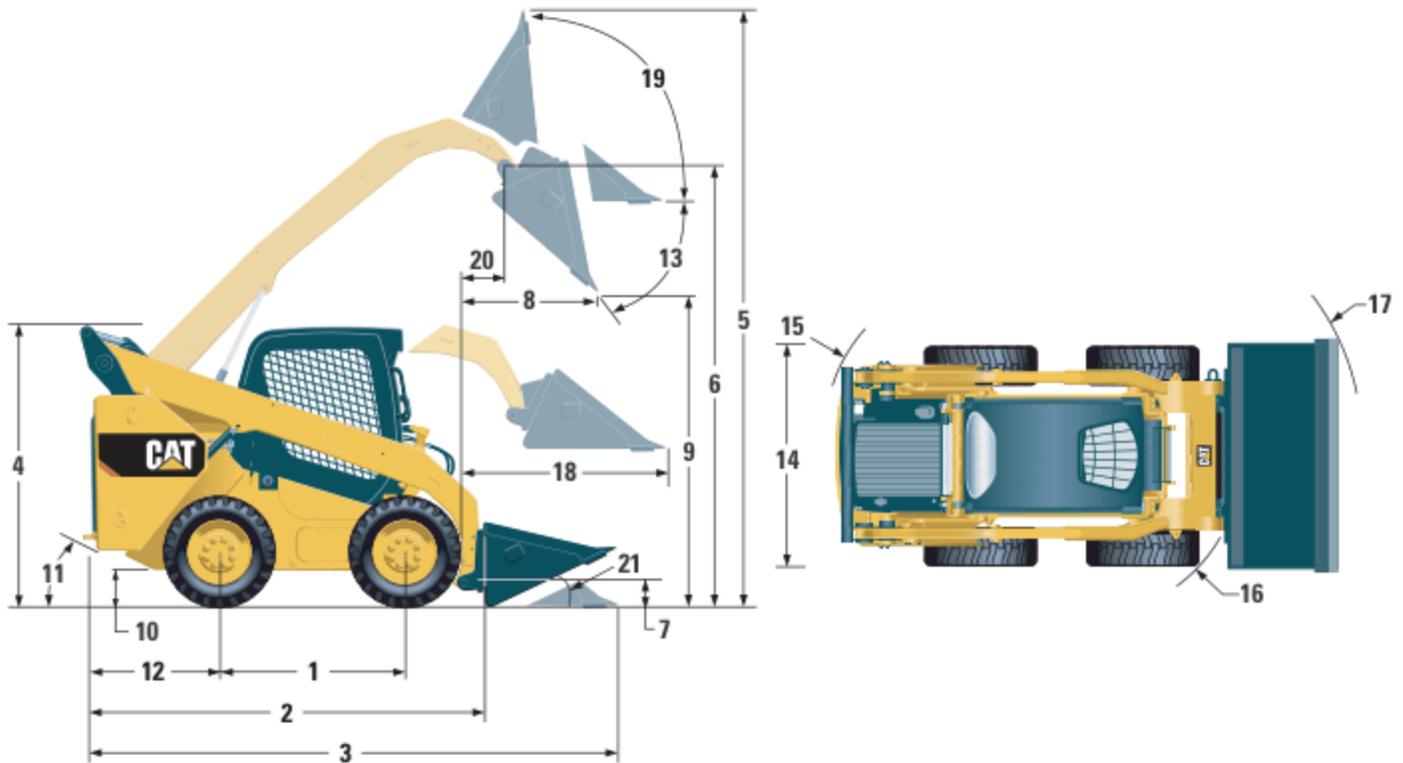
ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level I
FOPS Level II	ISO 3449:2005 Level II

### Service Refill Capacities

Chain Box, each side	10.2 L	2.7 gal
Cooling System	16 L	4.1 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5 gal
Engine Crankcase	13 L	3.5 gal
Fuel Tank	122 L	32.2 gal
Hydraulic System	55 L	14.5 gal
Hydraulic Tank	39 L	10.3 gal



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## Dimensions\*

1	Wheelbase	1386 mm	54.6 in
2	Length without Bucket	3242 mm	127.6 in
3	Length with Bucket on Ground	3954 mm	155.7 in
4	Height to Top of Cab	2094 mm	82.4 in
5	Maximum Overall Height	4067 mm	160.1 in
6	Bucket Pin Height at Maximum Lift	3229 mm	127.1 in
7	Bucket Pin Height at Carry Position	198 mm	7.8 in
8	Reach at Maximum Lift and Dump	769 mm	30.3 in
9	Clearance at Maximum Lift and Dump	2438 mm	96.0 in
10	Ground Clearance	226 mm	8.9 in
11	Departure Angle		27°
12	Bumper Overhang behind Rear Axle	1175 mm	46.2 in
13	Maximum Dump Angle		51°
14	Vehicle Width over Tires	1829 mm	72.0 in
15	Turning Radius from Center – Machine Rear	1899 mm	74.7 in
16	Turning Radius from Center – Coupler	1482 mm	58.3 in
17	Turning Radius from Center – Bucket (racked)	2280 mm	89.8 in
18	Maximum Reach with Arms Parallel to Ground	1282 mm	50.5 in
19	Rack Back Angle at Maximum Height		84°
20	Bucket Pin Reach at Maximum Lift	374 mm	14.7 in
21	Roll Back Angle		28°

\*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, 880 CCA battery, 1829 mm (72 in) dirt bucket, no optional counterweights, Cat PC 12 × 16.5 tires and manual quick coupler (unless otherwise noted).

## 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 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), Electronic Snubbing (Raise and Lower)*
- Performance Package H3: *High Flow XPS, Dual Direction Electronic Self Level (Raise and Lower), Electronic Snubbing (Raise and Lower)*

## 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, 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: *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

## OPTIONAL ATTACHMENTS

- External Counterweights
- Beacon, Rotating
- Engine Block Heater – 120V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Heavy Duty Battery, 880 CCA, with Battery Disconnect
- Heavy Duty Battery, 1,000 CCA, with Battery Disconnect

### 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*

### POWER TRAIN

- Cat C3.8, Turbo Diesel Engine, Meeting Tier 4 Final/Stage IV Emission Standards
- Air Cleaner, Dual Element, Radial Seal
- S-O-S<sup>SM</sup> 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 (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

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AEHQ7438 (03-15)  
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EFTA00794330