

Cat®
242D3

Skid Steer Loader

Features:

The Cat® 242D3 Skid Steer Loader, with its 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 242D3 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 the D3 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 electronic hand/foot throttle with decel pedal capability.
- **High Flow hydraulic system** is available for applications that demand maximum hydraulic work tool performance.
- **Electronically controlled Cat C3.3B engine** provides high horsepower and torque while meeting U.S. EPA Tier 4 Final and EU Stage V emission standards.
- **Cat "Intelligent Leveling" system** (ILEV) provides industry leading technology, integration, and is now packaged with dual direction self, 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 optional 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 Attachments** make the Cat Skid Steer Loader the most versatile machine on the job site.
- **Available Long Lasting LED Work Lights** (front and rear) provide superior job site illumination.

Specifications

Engine

Engine Model	Cat C3.3B DIT (turbo)	
Gross Power SAE J1995	55.4 kW	74.3 hp
Net Power SAE 1349	54.6 kW	73.2 hp
Net Power ISO 9249	55.1 kW	73.9 hp
Peak Torque at 1,500 rpm SAE J1995	265 N·m	195 lbf-ft
Displacement	3.3 L	203 in^3
Stroke	120 mm	4.7 in
Bore	94 mm	3.7 in

Weights*

Operating Weight	3238 kg	7,138 lb

Power Train

Travel Speed (Forward or Reverse):		
One Speed	12.1 km/h	7.5 mph
Two Speed Option	18.5 km/h	11.5 mph

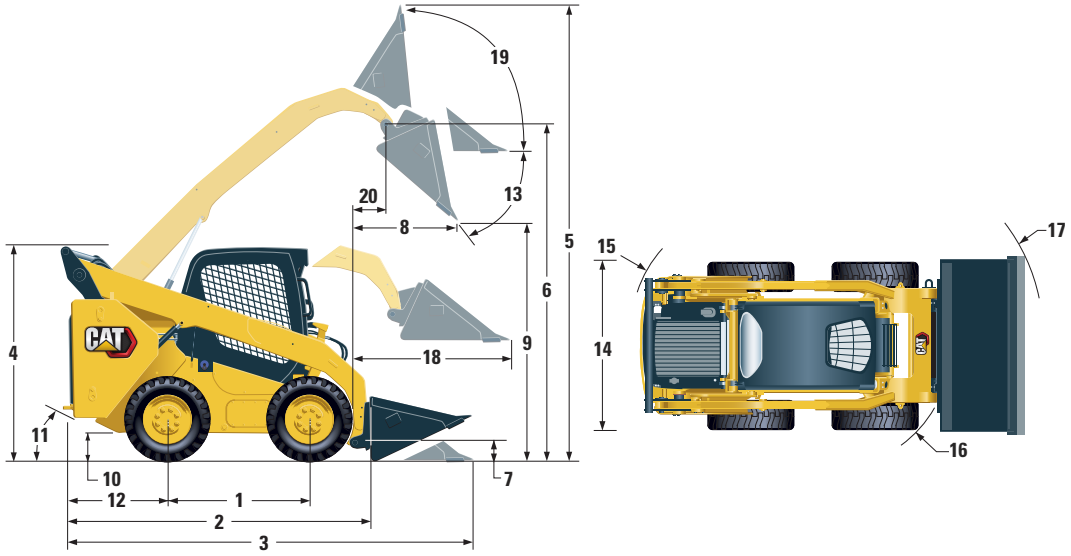
Operating Specifications*

Rated Operating Capacity	1000 kg	2,200 lb
Rated Operating Capacity with Optional Counterweight	1095 kg	2,410 lb
Tipping Load	2000 kg	4,400 lb
Breakout Force, Tilt Cylinder	2251 kg	4,963 lb

Hydraulic System

Hydraulic Flow – Standard:		
Loader Hydraulic Pressure	23 000 kPa	3,335 psi
Loader Hydraulic Flow	76 L/min	20 gal/min
Hydraulic Power (calculated)	29 kW	39 hp
Hydraulic Flow – High Flow:		
Maximum Loader Hydraulic Pressure	23 000 kPa	3,335 psi
Maximum Loader Hydraulic Flow	112 L/min	30 gal/min
Hydraulic Power (calculated)	43 kW	58 hp

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Dimensions*

1	Wheelbase	1105 mm	43.5 in
2	Length without Bucket	2767 mm	108.9 in
3	Length with Bucket on Ground	3487 mm	137.3 in
4	Height to Top of Cab	2111 mm	83.1 in
5	Maximum Overall Height	3917 mm	154.2 in
6	Bucket Pin Height at Maximum Lift	3076 mm	121.1 in
7	Bucket Pin Height at Carry Position	200 mm	7.9 in
8	Reach at Maximum Lift and Dump	552 mm	21.7 in
9	Clearance at Maximum Lift and Dump	2285 mm	90.0 in
10	Ground Clearance	222 mm	8.7 in
11	Departure Angle	27°	
12	Bumper Overhang behind Rear Axle	1021 mm	40.2 in
13	Maximum Dump Angle	52°	
14	Vehicle Width over Tires	1676 mm	66.0 in
15	Turning Radius from Center – Machine Rear	1639 mm	64.5 in
16	Turning Radius from Center – Coupler	1314 mm	51.8 in
17	Turning Radius from Center – Bucket	2107 mm	83.0 in
18	Maximum Reach with Arms Parallel to Ground	1249 mm	49.2 in
19	Rack Back Angle at Maximum Height	87°	
20	Bucket Pin Reach at Maximum Lift	182 mm	7.2 in

*Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, OROPS, 1730 mm (68 in) low profile bucket, **Cat 12 × 16.5 tires**, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

Cab

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

Service Refill Capacities

Chain Box, each side	8.8 L	2.3 gal
Cooling System	14 L	3.7 gal
Engine Crankcase	11 L	3.0 gal
Fuel Tank	94 L	24.8 gal
Hydraulic System	50 L	13.2 gal
Hydraulic Tank	39 L	10.3 gal

Noise Level

Inside Cab**	83 dB(A)
Outside Cab***	101 dB(A)

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

**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.

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

Air Conditioning System (if equipped)

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 CO_2 equivalent of 1.158 metric tonnes.

MANDATORY EQUIPMENT

- Hydraulics, Standard or High Flow
- Quick Coupler, Mechanical or Powered
- High Visibility Seat Belt, 50 mm (2 in) or 75 mm (3 in)
- EU Preparation Package
- Power Train: One Speed, One Speed with Speed Sensitive Ride Control, Two Speed or Two Speed with Speed Sensitive Ride Control
- Tires, 12 × 16.5 or 10 × 16.5

PERFORMANCE PACKAGES

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

COMFORT PACKAGES

- 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*

STANDARD EQUIPMENT

ELECTRICAL

- 12 volt Electrical System
- 80 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: *Gauge Backlighting, Two Rear Tail Lights, Two Adjustable Front and Rear Halogen Lights, Dome Light*
- Backup Alarm
- Heavy Duty Battery, 850 CCA

OPERATOR ENVIRONMENT

- 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 Response, and Creep Control*
- 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, Parking 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) Throttle, Electronic
- Adjustable Joystick Controls
- Anti-theft Security System with 6-button Keypad
- Storage Compartment with Netting

POWER TRAIN

- Cat C3.3B, Turbo Diesel Engine, Meeting Tier 4 Final and Stage V Emission Standards
- Air Cleaner, Dual Element, Radial Seal
- S·O·S℠ 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, –36° C (–33° 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

OPTIONAL EQUIPMENT

- Hand-Foot Style Controls
- External Counterweights
- Beacon, Rotating
- Engine Block Heater – 120V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Product Link PL641, Cellular
- Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)

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