

Product Specifications For 242D3



Engine

Gross Power - SAE J1995:2014	55.4 kW
Net Power - SAE 1349	54.6 kW
Displacement	3.3 l
Stroke	120 mm
Bore	94 mm
Net Flywheel Power	54.6 kW
Peak Torque - 1,500 rpm - SAE J1995	265 N·m
Net Power - ISO 9249	55.1 kW
Engine Model	Cat C3.3B DIT (turbo)

Operating Specifications

Rated Operating Capacity	1000 kg
Tipping Load	2000 kg
Breakout Force - Tilt Cylinder	2251 kg
Rated Operating Capacity with Optional Counterweight	1095 kg
Note	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).

Weights

Operating Weight	3238 kg
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Dimensions

Wheel Base	1105 mm
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Height - Top of Cab	2111 mm
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Vehicle Width over Tires	1676 mm
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Ground Clearance	222 mm
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Departure Angle	27°
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Maximum Dump Angle	52°
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Turning Radius from Center - Coupler	1314 mm
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Bucket Pin Reach - Maximum Lift	182 mm
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Length - Without Bucket	2767 mm
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Bucket Pin Height - Maximum Lift	3076 mm
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Turning Radius from Center - Machine Rear	1639 mm
Maximum Overall Height	3917 mm
Bucket Pin Height - Carry Position	200 mm
Length - With Bucket on Ground	3487 mm
Turning Radius from Center - Bucket	2107 mm
Reach - Maximum Lift/Dump	552 mm
Maximum Reach - With Arms Parallel to Ground	1249 mm
Rack Back Angle - Maximum Height	87°
Clearance at Maximum Lift and Dump	2285 mm
Bumper Overhang - Behind Rear Axle	1021 mm

Cab

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

Service Refill Capacities

Chain Box - Each Side	8.8 l
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Cooling System	14 l
Engine Crankcase	11 l
Fuel Tank	94 l
Hydraulic System	50 l
Hydraulic Tank	39 l

Hydraulic System

Hydraulic Flow - Standard - Loader Hydraulic Flow	76 L/min
Hydraulic Flow - High Flow - Hydraulic Power (Calculated)	43 kW
Hydraulic Flow - High Flow - Maximum Loader Hydraulic Flow	112 L/min
Hydraulic Flow - Standard - Loader Hydraulic Pressure	23000 kPa
Hydraulic Flow - Standard - Hydraulic Power (Calculated)	29 kW
Hydraulic Flow - High Flow - Maximum Loader Hydraulic Pressure	23000 kPa

Power Train

Travel Speed - Forward or Reverse - Two Speed Option	18.5 km/h
Travel Speed - Forward or Reverse - One Speed	12.1 km/h

Noise Level

Inside Cab**	83 dB(A)
Outside Cab***	101 dB(A)
Note (1)	Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

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 (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.

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.

242D3 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-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, -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

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

242D3 Optional Equipment

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)