

# Product Specifications For 242D3



## Engine

Gross Power - SAE J1995:2014	74.3 hp
Net Power - SAE 1349	73.2 hp
Displacement	203 in <sup>3</sup>
Stroke	4.7 in
Bore	3.7 in
Net Flywheel Power	73.2 hp
Peak Torque - 1,500 rpm - SAE J1995	195 ft·lbf
Net Power - ISO 9249	73.9 hp
Engine Model	Cat C3.3B DIT (turbo)

## Operating Specifications

Rated Operating Capacity	2200 lb
Tipping Load	4400 lb
Breakout Force - Tilt Cylinder	4963 lb
Rated Operating Capacity with Optional Counterweight	2410 lb
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

<b>Operating Weight</b>	7138 lb
<b>Note</b>	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).

## Dimensions

<b>Wheel Base</b>	43.5 in
<b>Height - Top of Cab</b>	83.1 in
<b>Vehicle Width over Tires</b>	66 in
<b>Ground Clearance</b>	8.7 in
<b>Departure Angle</b>	27°
<b>Maximum Dump Angle</b>	52°
<b>Turning Radius from Center - Coupler</b>	51.8 in
<b>Note</b>	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).
<b>Bucket Pin Reach - Maximum Lift</b>	7.2 in
<b>Length - Without Bucket</b>	108.9 in

<b>Bucket Pin Height - Maximum Lift</b>	121.1 in
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<b>Turning Radius from Center - Machine Rear</b>	64.5 in
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<b>Maximum Overall Height</b>	154.2 in
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<b>Bucket Pin Height - Carry Position</b>	7.9 in
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<b>Length - With Bucket on Ground</b>	137.3 in
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<b>Turning Radius from Center - Bucket</b>	83 in
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<b>Reach - Maximum Lift/Dump</b>	21.7 in
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<b>Maximum Reach - With Arms Parallel to Ground</b>	49.2 in
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<b>Rack Back Angle - Maximum Height</b>	87°
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<b>Clearance at Maximum Lift and Dump</b>	90 in
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<b>Bumper Overhang - Behind Rear Axle</b>	40.2 in
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## Cab

<b>ROPS</b>	ISO 3471:2008
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<b>FOPS</b>	ISO 3449:2005 Level I
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## Service Refill Capacities

<b>Chain Box - Each Side</b>	2.3 gal (US)
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<b>Cooling System</b>	3.7 gal (US)
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<b>Engine Crankcase</b>	3 gal (US)
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<b>Fuel Tank</b>	24.8 gal (US)
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<b>Hydraulic System</b>	13.2 gal (US)
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<b>Hydraulic Tank</b>	10.3 gal (US)
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## Hydraulic System

<b>Hydraulic Flow - Standard - Loader Hydraulic Flow</b>	20 gal/min
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<b>Hydraulic Flow - High Flow - Hydraulic Power (Calculated)</b>	58 hp
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<b>Hydraulic Flow - High Flow - Maximum Loader Hydraulic Flow</b>	30 gal/min
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<b>Hydraulic Flow - Standard - Loader Hydraulic Pressure</b>	3335 psi
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<b>Hydraulic Flow - Standard - Hydraulic Power (Calculated)</b>	39 hp
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<b>Hydraulic Flow - High Flow - Maximum Loader Hydraulic Pressure</b>	3335 psi
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## Power Train

**Travel Speed - Forward or Reverse - Two Speed Option**

11.5 mile/h

**Travel Speed - Forward or Reverse - One Speed**

7.5 mile/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)