

# PRODUCT SPECIFICATIONS FOR 242D3

<b>Gross Power - SAE J1995</b>	74.3 HP
<b>Net Power - SAE 1349</b>	73.2 HP
<b>Displacement</b>	203 in <sup>3</sup>
<b>Stroke</b>	4.7 in
<b>Bore</b>	3.7 in
<b>Net Flywheel Power</b>	73.2 HP
<b>Peak Torque - 1,500 rpm - SAE J1995</b>	195 ft·lbf
<b>Net Power - ISO 9249</b>	73.9 HP
<b>Engine Model</b>	Cat C3.3B DIT (turbo)
<b>Rated Operating Capacity</b>	2200 lb
<b>Tipping Load</b>	4400 lb
<b>Breakout Force - Tilt Cylinder</b>	4963 lb
<b>Rated Operating Capacity with Optional Counterweight</b>	2410 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).

**Operating Weight** 7138 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).

**Wheel Base** 43.5 in

**Height - Top of Cab** 83.1 in

**Vehicle Width over Tires** 66 in

**Ground Clearance** 8.7 in

**Departure Angle** 27°

**Maximum Dump Angle** 52°

**Turning Radius from Center - Coupler** 51.8 in

**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).

**Bucket Pin Reach - Maximum Lift** 7.2 in

**Length - Without** 108.9 in

## Bucket

**Bucket Pin Height -  
Maximum Lift** 121.1 in

**Turning Radius from  
Center - Machine  
Rear** 64.5 in

**Maximum Overall  
Height** 154.2 in

**Bucket Pin Height -  
Carry Position** 7.9 in

**Length - With Bucket  
on Ground** 137.3 in

**Turning Radius from  
Center - Bucket** 83 in

**Reach - Maximum  
Lift/Dump** 21.7 in

**Maximum Reach -  
With Arms Parallel to  
Ground** 49.2 in

**Rack Back Angle -  
Maximum Height** 87°

**Clearance at  
Maximum Lift and  
Dump** 90 in

**Bumper Overhang -  
Behind Rear Axle** 40.2 in

**Hydraulic Flow - Standard Loader Hydraulic Flow**

20 gal/min

<b>Hydraulic Flow - Standard - Loader Hydraulic Flow</b>	20 gal/min
<b>Hydraulic Flow - High Flow - Hydraulic Power (Calculated)</b>	58 HP
<b>Hydraulic Flow - High Flow - Maximum Loader Hydraulic Flow</b>	30 gal/min
<b>Hydraulic Flow - Standard - Loader Hydraulic Pressure</b>	3335 psi
<b>Hydraulic Flow - Standard - Hydraulic Power (Calculated)</b>	39 HP
<b>Hydraulic Flow - High Flow - Maximum Loader Hydraulic Pressure</b>	3335 psi
<b>ROPS</b>	ISO 3471:2008
<b>FOPS</b>	ISO 3449:2005 Level I
<b>Travel Speed - Forward or Reverse - Two Speed Option</b>	11.5 mile/h
<b>Travel Speed - Forward or Reverse - One Speed</b>	7.5 mile/h
<b>Chain Box - Each Side</b>	2.3 gal (US)
<b>Cooling System</b>	3.7 gal (US)
<b>Engine Crankcase</b>	3 gal (US)
<b>Fuel Tank</b>	24.8 gal (US)
<b>Hydraulic System</b>	13.2 gal (US)
<b>Hydraulic Tank</b>	10.3 gal (US)

**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** 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)

Bluetooth® radio with microphone (AVR) or weather data receiver with USB and auxiliary input jack