

Product Specifications For 259D3



Engine

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

Operating Specifications

Rated Operating Capacities - 35% Tipping Load	915 kg
Tipping Load	2610 kg
Breakout Force - Tilt Cylinder	2252 kg
Ground Contact Area - With 320 mm/12.6 in Track	0.96 m ²

**Ground Pressure -
With 320 mm/12.6 in
Track** 41.8 kPa

**Rated Operating
Capacities - 50%
Tipping Load** 1305 kg

**Ground Contact Area -
With 400 mm/15.7 in
Track** 1.19 m²

**Rated Operating
Capacity with Optional
Counterweight** 1390 kg

**Ground Pressure -
With 400 mm/15.7 in
Track** 34 kPa

Note Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 1730 mm (68 in) low profile bucket, 320 mm (12.6 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

Weights

**Operating
Weight** 4076 kg

Note Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 1730 mm (68 in) low profile bucket, 320 mm (12.6 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

Dimensions

**Length - Track on
Ground** 1499 mm

Overall Length - Track	1999 mm
Height - Top of Cab	2111 mm
Ground Clearance	226 mm
Departure Angle	35°
Maximum Dump Angle	52°
Bucket Pin Height - Carry Position	198 mm
Vehicle Width (400 mm/15.7 in tracks)	1755 mm
Turning Radius from Center - Coupler	1392 mm
Bucket Pin Reach - Maximum Lift	238 mm
Vehicle Width (320 mm/12.6 in tracks)	1676 mm
Maximum Reach - With Arms Parallel to Ground	1305 mm
Maximum Overall Height	3915 mm
Turning Radius from Center - Bucket	2184 mm
Bucket Pin Height - Maximum Lift	3075 mm

Length - Without Bucket 2767 mm

Rack Back Angle - Maximum Height 87°

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Turning Radius from Center - Machine Rear 1561 mm

Length - With Bucket on Ground 3486 mm

Clearance at Maximum Lift and Dump 2283 mm

Reach - Maximum Lift/Dump 608 mm

Hydraulic System

Hydraulic Flow - High Flow - Loader Hydraulic Pressure 23000 kPa

Hydraulic Flow - High Flow - Hydraulic Power (Calculated) 43 kW

Hydraulic Flow - Standard - Loader Hydraulic Pressure 23000 kPa

Hydraulic Flow - Standard - Loader Hydraulic Flow 76 l/min

Hydraulic Flow - Standard - Hydraulic Power (Calculated) 29 kW

Hydraulic Flow - High Flow - Loader Hydraulic Flow 112 l/min

Cab

ROPS

ISO 3471:2008

FOPS

ISO 3449:2005 Level I

Power Train

Travel Speed - Forward or Reverse - One Speed

9.5 km/h

Travel Speed - Forward or Reverse - Two Speed

13.7 km/h

Service Refill Capacities

Hydraulic System

50 l

Fuel Tank

94 l

Engine Crankcase

11 l

Hydraulic Tank

39 l

Cooling System

14 l

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.

Noise Level

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.

Outside Cab***

103 dB(A)

Inside Cab**

83 dB(A)

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 (1)

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

259D3 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, 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) 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, Two Speed Travel

Suspension – Independent Torsion Axles (4)

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

Steel Imbed Rubber Track – 320 mm (12.6 in) or 400 mm (15.7 in)

Dual Flange Front Idler/Single Flange Rear Idler or Triple Flange Front/Rear Idlers

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

259D3 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

Speed Sensitive Ride Control

Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)