

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 m ²
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°

Note

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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)