PRODUCT SPECIFICATIONS FOR 259D3

ENGINE

Gross Power - SAE J1995	74.3 HP
Displacement	203 in³
Net Power	73.2 HP
Bore	3.7 in
Engine Model	Cat C3.3B DIT (turbo)
Gross Power	74.3 HP
Net Power - SAE 1349	73.2 HP
Stroke	4.7 in
Peak Torque - 1,500 rpm - SAE J1995	195 ft·lbf
Net Power - ISO 9249	73.9 HP

OPERATING SPECIFICATIONS

Rated Operating Capacities - 35% Tipping Load	2010 lb
Tipping Load	5745 lb
Breakout Force - Tilt Cylinder	4965 lb
Ground Contact Area - With 320 mm/12.6 in Track	1483 in²
Ground Pressure - With 320 mm/12.6 in Track	6.1 psi

Rated Operating Capacities - 50% Tipping Load	2870 lb
Ground Contact Area - With 400 mm/15.7 in Track	1848 in²
Rated Operating Capacity with Optional Counterweight	3060 lb
Ground Pressure - With 400 mm/15.7 in Track	4.9 psi
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	8987 lb
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	59 in
Overall Length - Track	78.7 in
Height - Top of Cab	83.1 in
Ground Clearance	8.9 in
Departure Angle	35°
Maximum Dump Angle	52°

Bucket Pin Height - Carry Position	7.8 in
Vehicle Width (400 mm/15.7 in tracks)	69 in
Turning Radius from Center - Coupler	54.8 in
Bucket Pin Reach - Maximum Lift	9.4 in
Vehicle Width (320 mm/12.6 in tracks)	66 in
Maximum Reach - With Arms Parallel to Ground	51.4 in
Maximum Overall Height	154.1 in
Turning Radius from Center - Bucket	86 in
Bucket Pin Height - Maximum Lift	121 in
Length - Without Bucket	108.9 in
Rack Back Angle - Maximum Height	87°
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).
Turning Radius from Center - Machine Rear	61.5 in
Length - With Bucket on Ground	137.3 in

Clearance at Maximum Lift and Dump	89.9 in
Reach - Maximum Lift/Dump	23.9 in

HYDRAULIC SYSTEM

Hydraulic Flow - High Flow - Loader Hydraulic Pressure	3335 psi
Hydraulic Flow - High Flow - Hydraulic Power (Calculated)	58 HP
Hydraulic Flow - Standard - Loader Hydraulic Pressure	3335 psi
Hydraulic Flow - Standard - Loader Hydraulic Flow	20 gal/min
Hydraulic Flow - Standard - Hydraulic Power (Calculated)	39 HP
Hydraulic Flow - High Flow - Loader Hydraulic Flow	30 gal/min

CAB

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

POWER TRAIN

Travel Speed - Forward or Reverse - One Speed	5.9 mile/h
Travel Speed - Forward or Reverse - Two Speed	8.5 mile/h

SERVICE REFILL CAPACITIES

Hydraulic System	13.2 gal (US)
Fuel Tank	24.8 gal (US)
Engine Crankcase	3 gal (US)
Hydraulic Tank	10.3 gal (US)
Cooling System	3.7 gal (US)

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)