

Skid Steer Loaders 242D3

Engine

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

Operating Specifications

Rated Operating Capacity	1000 kg
Tipping Load	2000 kg
Breakout Force - Tilt Cylinder	2251 kg
Rated Operating Capacity with Optional Counterweight	1095 kg
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

Operating Weight	3238 kg
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).

Dimensions

Wheel Base	1105 mm
Height - Top of Cab	2111 mm
Vehicle Width over Tires	1676 mm
Ground Clearance	222 mm
Departure Angle	27°
Maximum Dump Angle	52°
Turning Radius from Center - Coupler	1314 mm
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	182 mm
Length - Without Bucket	2767 mm
Bucket Pin Height - Maximum Lift	3076 mm
Turning Radius from Center - Machine Rear	1639 mm
Maximum Overall Height	3917 mm
Bucket Pin Height - Carry Position	200 mm
Length - With Bucket on Ground	3487 mm
Turning Radius from Center - Bucket	2107 mm
Reach - Maximum Lift/Dump	552 mm
Maximum Reach - With Arms Parallel to Ground	1249 mm
Rack Back Angle - Maximum Height	87°
Clearance at Maximum Lift and Dump	2285 mm
Bumper Overhang - Behind Rear Axle	1021 mm

Hydraulic System

Hydraulic Flow - Standard - Loader Hydraulic Flow	76 l/min
Hydraulic Flow - High Flow - Hydraulic Power (Calculated)	43 kW
Hydraulic Flow - High Flow - Maximum Loader Hydraulic Flow	112 l/min
Hydraulic Flow - Standard - Loader Hydraulic Pressure	23000 kPa
Hydraulic Flow - Standard - Hydraulic Power (Calculated)	29 kW
Hydraulic Flow - High Flow - Maximum Loader Hydraulic Pressure	23000 kPa

Cab

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

Power Train

Travel Speed - Forward or Reverse - Two Speed Option	18.5 km/h
Travel Speed - Forward or Reverse - One Speed	12.1 km/h

Service Refill Capacities

Chain Box - Each Side	8.8 l
Cooling System	14 l
Engine Crankcase	11 l
Fuel Tank	94 l
Hydraulic System	50 l
Hydraulic Tank	39 l

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.
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