

Skid Steer Loaders 246D3

Engine

Gross Power - SAE J1995	55.4 kW
Net Power - SAE 1349	53.6 kW
Displacement	3.3 l
Stroke	120 mm
Bore	94 mm
Net Flywheel Power	53.6 kW
Peak Torque - 1,600 rpm - SAE J1995	265 N·m
Net Power ISO 9249†	54.6 kW
Net Power - ISO 9249	54.1 kW
Net Power SAE 1349†	54 kW
Engine Model	Cat C3.3B DIT (turbo)
Note	†Engine meeting Brazil MAR-1 and China Nonroad Stage III emission standards emits equivalent to U.S. EPA Tier 4 Interim and is offered only for Australia/New Zealand, Brazil, China, French Polynesia, Hong Kong, Macedonia and New Caledonia.

Operating Specifications

Rated Operating Capacity	1000 kg
Tipping Load	2000 kg
Breakout Force - Tilt Cylinder	3336 kg
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, OROPS, 1676 mm (68 in) low profile bucket, Cat PC 12 × 16.5 tires, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).
Rated Operating Capacity with Optional Counterweight	1095 kg

Weights

Operating Weight	3392 kg
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, OROPS, 1676 mm (68 in) low profile bucket, Cat PC 12 × 16.5 tires, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

Dimensions

Wheel Base	1249 mm
Height - Top of Cab	2110 mm
Vehicle Width over Tires	1676 mm

Ground Clearance	226 mm
Departure Angle	26°
Maximum Dump Angle	39°
Turning Radius from Center - Coupler	1401 mm
Bucket Pin Height - Carry Position	200 mm
Turning Radius from Center - Machine Rear	1806 mm
Bumper Overhang - Behind Rear Axle	1083 mm
Reach - Maximum Lift/Dump	600 mm
Turning Radius from Center - Bucket	2181 mm
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, one speed, OROPS, 1676 mm (68 in) low profile bucket, Cat PC 12 × 16.5 tires, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).
Length - With Bucket on Ground	3708 mm
Maximum Reach - With Arms Parallel to Ground	1388 mm
Maximum Overall Height	4032 mm
Clearance at Maximum Lift and Dump	2465 mm
Length - Without Bucket	2993 mm
Bucket Pin Height - Maximum Lift	3154 mm
Rack Back Angle - Maximum Height	96°

Hydraulic System

Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Pressure	28000 kPa
Hydraulic Flow - Standard - Loader Hydraulic Flow	86 l/min
Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Flow	121 l/min
Hydraulic Flow - High Flow XPS - Hydraulic Power (Calculated)	57 kW
Hydraulic Flow - Standard - Hydraulic Power (Calculated)	33 kW
Hydraulic Flow - Standard - 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	17.7 km/h
Travel Speed - Forward or Reverse - One Speed	12.5 km/h

Service Refill Capacities

Chain Box - Each Side	12.7 l
Cooling System	14 l

Engine Crankcase	11 l
Fuel Tank	105 l
Hydraulic System	52 l
Hydraulic Tank	39 l

Noise Level

Note (2)	**The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.
Note (1)	*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.
Outside Cab**	101 dB(A)
Inside Cab*	81 dB(A)

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 1 kg of refrigerant which has a CO2 equivalent of 1.430 metric tonnes.
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