

C7.1 High Speed

Engine | 340 bhp (254 kW) | 660 lb-ft (895 Nm) | 2950 rpm



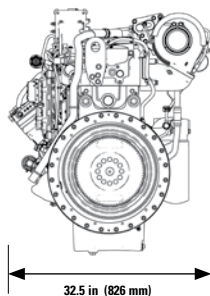
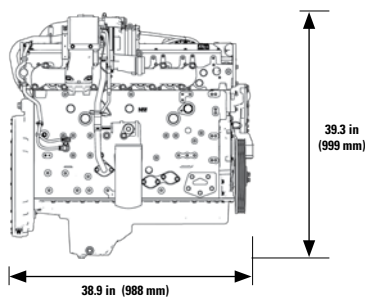
Get legendary Cat reliability and durability with high power density using the Cat® C7.1 Diesel Engines.

Based on decades of diesel engine innovation and expertise, these engines are designed for severe duty equipment and the most demanding environments and applications around the world.

More importantly, they are backed by the Cat® global dealer network ready to keep missions moving anywhere in the world.

Built to Power:

Light to Medium Weight 4x4s



Specifications

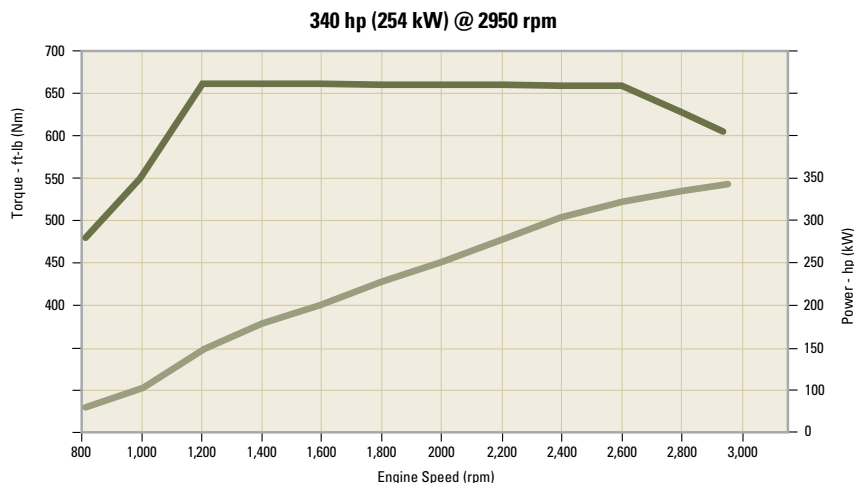
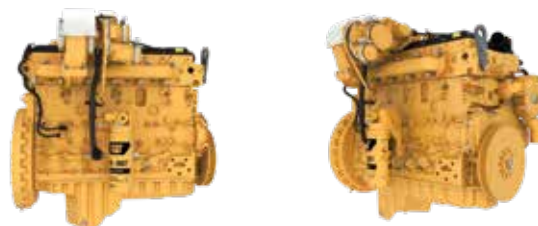
Engine Configuration	In-line 6 Cylinder
Bore and Stroke (in/mm)	4.1 x 5.3 / 105 x 135
Displacement (in³/L)	427.7 / 7.01
Aspiration	Turbocharged and Aftercooled
Cycle	4 Stroke
Combustion System	Direct Injection
Compression Ratio	16.5:1
Rotation from Flywheel End	Counterclockwise
Oil Capacity (gal/L)	3.2-4.7 / 12-14
Cooling System	Liquid
Dry Weight (lb/kg)	1,312 / 595

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340 bhp (254 kW) | 660 lb-ft (895 Nm) | 2950 rpm

Torque over a wide engine speed range for optimal performance.

(based on SAE J1995)



Brake Power (bhp/kW)	Speed (rpm)	Torque (lb-ft/Nm)	Speed (rpm)	Emission Level
340 / 254	2,950	660 / 895	1,200	Unregulated

Standard Equipment

Air Inlet and Exhaust System

- Turbocharger
- Glowplugs
- Exhaust manifold, dry

Control System

- Electronic governing, J1939
- Automatic altitude compensation
- Programmable low and high idle and total engine limit
- Electronic diagnostics and fault logging
- SAE J1939
- ADEM™ A6 Electronic Control Unit (ECU)

Cooling System

- Thermostats and housing
- Jacket water pump, centrifugal
- Water pump, inlet

Flywheels and Flywheel Housing

- SAE No. 1, No. 2, or No. 3 flywheel housing

Fuel System

- High pressure common rail
- Fuel transfer pump
- Combined primary and secondary fuel filter module
- Fuel filter with water separator, primary (10 micron)

Lube System

- Crankcase breather
- Oil cooler
- Oil filler
- Lube oil filter
- Oil pan
- Oil dipstick
- Gear driven oil pump

General

- Vibration damper
- Lifting eyes