

C7.1 High Torque

Engine | 325-360 bhp (242-269 kW) | 1003-1050 lb-ft (1360-1423 Nm) | 2300 rpm



Get legendary Cat reliability and durability with low operating costs using the Cat® C7.1 ACERT™ 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.

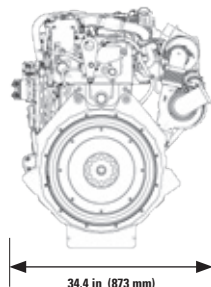
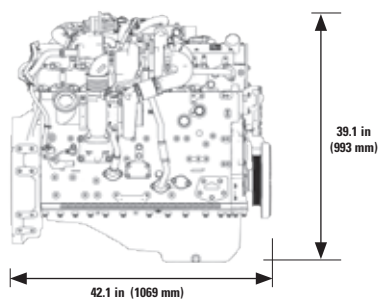
Built to Power:

Wheeled and Tracked APCs

Wheeled MRAPs

Medium Weight Utility Trucks

All Terrain Tracked Carriers



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	15.8:1
Rotation from Flywheel End	Counterclockwise
Oil Capacity (gal/L)	3.4 - 4.2 / 13 - 16
Cooling System	Liquid
Coolant Capacity (gal/L)	3.49 / 13.2
Dry Weight (lb/kg)	1,312 / 595

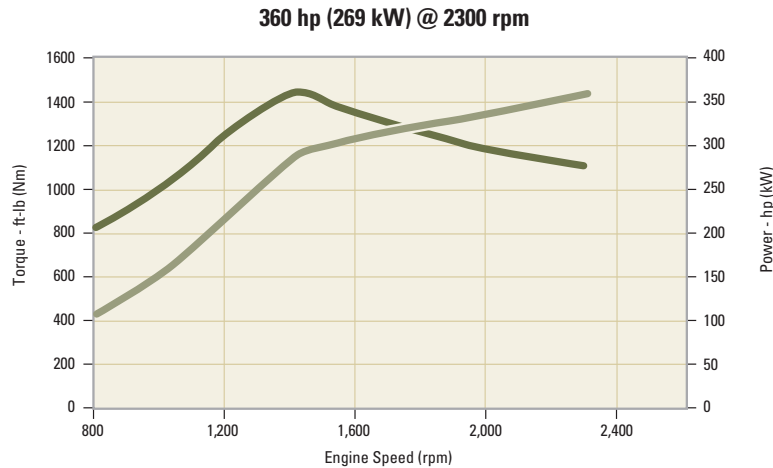
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Superior torque for optimal performance.
(based on SAE J1995)



Shown with optional defense FEAD



Brake Power (bhp/kW)	Speed (rpm)	Torque (lb-ft/Nm)	Speed (rpm)	Emission Level
325 / 242	2,300	1003 / 1360	1,440	Euro III*
340 / 254	2,300	1050 / 1423	1,440	Unregulated
360 / 269	2,300	1050 / 1423	1,440	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

* Emits equivalent to Euro III. Does not meet current EU emission standards.

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