

C9.3

Engine | 525-600 bhp (392-447 kW) | 1,479-1,633 lb-ft (2005-2214 Nm)



Get legendary Cat reliability and durability with low operating costs using the Cat® C9.3 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. For dual operational roles, the C9.3 is available with Cat® PowerSWITCH technology allowing change-on-the-fly of the engine's rating.

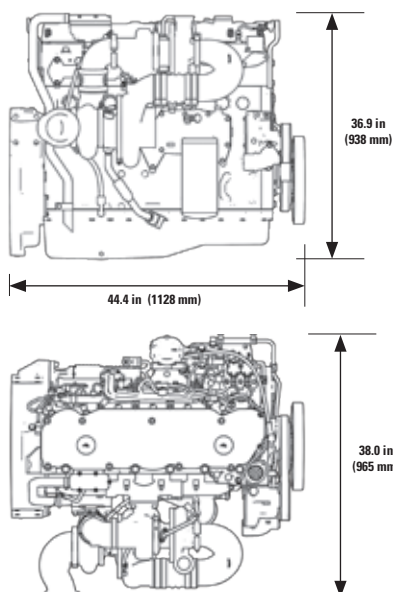
More importantly, they are backed by the Cat global dealer network ready to keep missions moving anywhere in the world.

Built to Power:

Wheeled APCs and IFVs

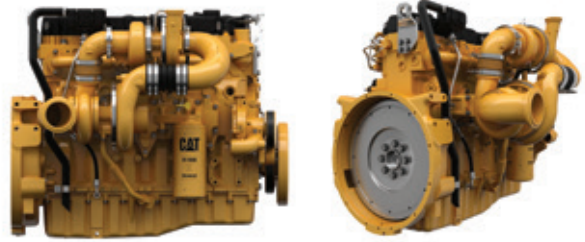
Wheeled MRAPs

Medium Weight Utility Trucks

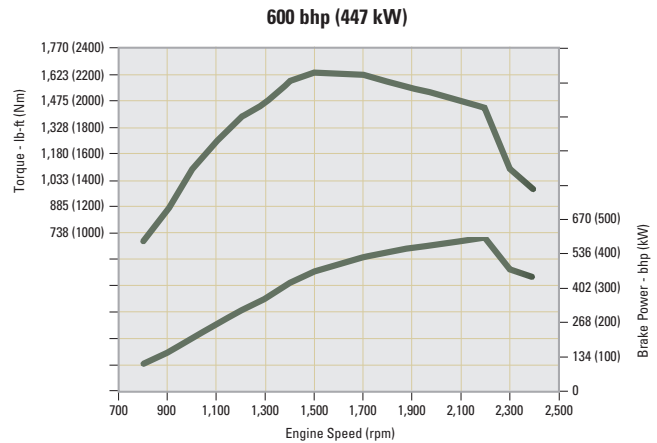
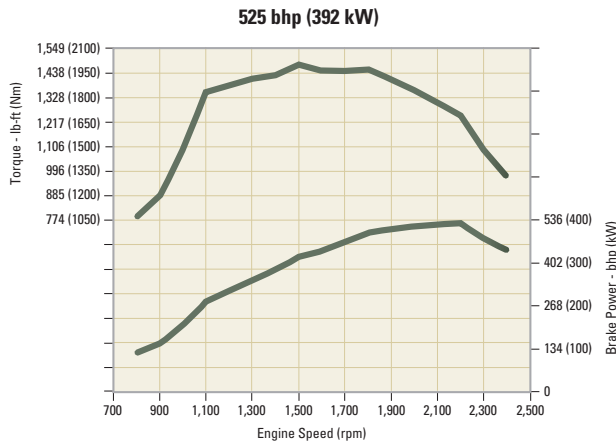


Specifications

Engine Configuration	In-line 6 Cylinder
Bore and Stroke (in/mm)	4.53 x 5.87 / 115 x 149
Displacement (in³/L)	567 / 9.3
Aspiration	Turbocharged and Aftercooled
Cycle	4 Stroke
Combustion System	Direct Injection
Compression Ratio	17:1
Rotation from Flywheel End	Counterclockwise
Oil Capacity (gal/L)	8.0 / 30.0
Cooling System	Liquid
Coolant Capacity (gal/L)	5.3 / 19.8
Dry Weight (lb/kg)	1,980 / 898



Superior power at speed. (based on SAE J1995)



Brake Power (bhp/kW)	Speed (rpm)	Torque (lb-ft/Nm)	Speed (rpm)	Emission Level
525 / 392	2,200	1,479 / 2005	1,500	Euro III*
600 / 447	2,200	1,633 / 2214	1,500	Unregulated

Standard Equipment

Air Inlet and Exhaust System

- Series sequential turbochargers
- Inlet manifold heater
- Exhaust manifold, dry

Control System

- Electronic governing, PTO speed control
- Automatic altitude compensation
- Power compensation for fuel temperature
- Programmable low and high idle and total engine limit
- Electronic diagnostics and fault logging
- SAE J1939 broadcast and control
- ADEM™ A4 Electronic Control Unit (ECU)

Cooling System

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

Flywheels and Flywheel Housing

- SAE No. 1 or No. 2 flywheel housing

Fuel System

- Electronic high pressure common rail
- Fuel filter, secondary
- ACERT™ Technology
- Fuel transfer pump

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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