Get legendary Cat reliability and durability with low operating costs using the Cat® C9 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.

### Specifications

<table>
<thead>
<tr>
<th>Engine Configuration</th>
<th>In-line 6 Cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore and Stroke (in/mm)</td>
<td>4.41 x 5.87 / 112 x 149</td>
</tr>
<tr>
<td>Displacement (in³/L)</td>
<td>537 / 8.8</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged and Aftercooled</td>
</tr>
<tr>
<td>Cycle</td>
<td>4 Stroke</td>
</tr>
<tr>
<td>Combustion System</td>
<td>Direct Injection</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>17:1</td>
</tr>
<tr>
<td>Rotation from Flywheel End</td>
<td>Counterclockwise</td>
</tr>
<tr>
<td>Oil Capacity (gal/L)</td>
<td>7.7 / 29.0</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Liquid</td>
</tr>
<tr>
<td>Coolant Capacity (gal/L)</td>
<td>3.5 / 13.2</td>
</tr>
<tr>
<td>Dry Weight (lb/kg)</td>
<td>1,662 / 754</td>
</tr>
</tbody>
</table>

**Built to Power:**
- Wheeled APCs and IFVs
- Wheeled MRAPs
- Medium Weight Utility Trucks
Superior power at speed.
(based on SAE J1995)

<table>
<thead>
<tr>
<th>Brake Power (bhp/kW)</th>
<th>Speed (rpm)</th>
<th>Torque (lb-ft/Nm)</th>
<th>Speed (rpm)</th>
<th>Emission Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 / 261</td>
<td>2,100</td>
<td>1,100 / 1491</td>
<td>1,400</td>
<td>Euro III*</td>
</tr>
<tr>
<td>400 / 298</td>
<td>2,200</td>
<td>1,176 / 1595</td>
<td>1,500</td>
<td>Euro III*</td>
</tr>
<tr>
<td>450 / 336</td>
<td>2,300</td>
<td>1,364 / 1850</td>
<td>1,500</td>
<td>Unregulated</td>
</tr>
</tbody>
</table>

Standard Equipment

Air Inlet and Exhaust System
- Turbocharger
- 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
- HEUI™ injection
- Fuel filter, secondary (2 micron)
- 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.