CAT® ENGINE SPECIFICATIONS

I-3, 4-Stroke-Cycle Diesel
Bore ................................... 84 mm (3.3 in.)
Stroke ................................. 90 mm (3.5 in.)
Displacement ........................ 1.496 L (91.0 in³)
Aspiration ......................... Naturally Aspirated
Compression Ratio ...................... 22.5:1
Combustion System ................. Indirect injection
Rotation (from flywheel end) ......... Counterclockwise
Capacity for Liquids
Cooling System
engine only)  ................... 2.6 L (2.75 U.S. qts.)
Lube Oil System (refill) ............. 6 L (6.3 U.S. qts.)
Engine Weight, Net Dry (approximate)
with standard equipment ........ 149.0 kg (328.0 lbs.)

FEATURES

Emissions
Meets EU Stage IIIA emission standards.

Reliable, Quiet, and Durable Power
World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

High Performance
Ten percent increase in torque rise delivers impressive performance throughout a wide speed range while maintaining low operating costs.

Fuel Efficiency
Fuel consumption optimized to match operating cycles of a wide range of equipment and applications.

Broad Application Range
Industry leading range of factory configurable ratings and options for agricultural, materials-handling, construction, mining, aircraft ground support, and other industrial applications.

STANDARD EQUIPMENT

Air Inlet
Inlet manifold with choice of inlets

Control System
Alternator 12 volt 65 amp, starter motor 12 volt, glow plug starting aid

Cooling System
Belt-driven coolant pump, coolant temperature switch, choice of cooling fans

Flywheel & Flywheel Housing
SAE No. 7 1/2 flywheel, choice of SAE No. 4 or standard backplate flywheel housing

Fuel System
CTD fuel injection pump, spin-on fuel filter, electronic Shut-Off Solenoid (ESOS)

Lube System
Alternative oil fillers, spin-on lube oil filter, lube oil pressure switch, lube oil sump

Power Take Off
Provision for PTO

General
Cast iron engine block, cast iron exhaust manifold — side outlet, cold start capability to -20° C (-4° F), gradeability 35° Continuous

Web Site: For additional information on all your power requirements, visit www.cat-industrial.com.
PERFORMANCE DATA

Naturally Aspirated — 3000 rpm

<table>
<thead>
<tr>
<th>Engine Speed rpm</th>
<th>Power bkW</th>
<th>Torque N•m</th>
<th>Power bhp</th>
<th>Torque lb-ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400</td>
<td>15</td>
<td>27</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>2000</td>
<td>19</td>
<td>33</td>
<td>110</td>
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<td>2600</td>
<td>23</td>
<td>44</td>
<td>130</td>
<td>85</td>
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<tr>
<td>3200</td>
<td>27</td>
<td>55</td>
<td>150</td>
<td>100</td>
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</table>

DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Length</td>
<td>572 mm (22.5 in.)</td>
</tr>
<tr>
<td>(2) Width</td>
<td>453 mm (17.8 in.)</td>
</tr>
<tr>
<td>(3) Height</td>
<td>643 mm (25.3 in.)</td>
</tr>
</tbody>
</table>

Note: Dimensions depend on final specifications.

RATING DEFINITIONS AND CONDITIONS

IND-C (Intermittent) is the horsepower and speed capability of the engine where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

Additional ratings are available for specific customer requirements. Consult your Cat dealer.

Rating Conditions for Diesel Engines — up to 6.6 liter are based on ISO/TR14396, inlet air standard conditions with a total barometric pressure of 100 kPa (29.5 in Hg), with a vapor pressure of 1 kPa (.295 in Hg), and 25°C (77°F). Performance is measured using fuel to specification EPA 2D 89.330-96 with a density of 0.845-0.850 kg/L @ 15°C (59°F) and fuel inlet temperature 40°C (104°F).