# PRODUCT SPECIFICATIONS FOR D125 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>125 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>125 ekW</td>
</tr>
<tr>
<td>Emissions/Fuel Strategy</td>
<td>U.S. EPA Cert., Tier 3</td>
</tr>
<tr>
<td>Voltage</td>
<td>208 to 600 Volts</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Speed</td>
<td>1800 rpm</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>Standby</td>
</tr>
</tbody>
</table>

## ENGINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>C7.1 I-6, 4-Cycle Diesel</td>
</tr>
<tr>
<td>Bore</td>
<td>4.1 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>5.3 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>428 in³</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>16.7:1</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged, Air to Air Aftercooled</td>
</tr>
<tr>
<td>Fuel System</td>
<td>Electronic, Common Rail</td>
</tr>
<tr>
<td>Governor Type</td>
<td>ADEM™A4</td>
</tr>
</tbody>
</table>

## GENERATOR SET DIMENSIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length - Maximum</td>
<td>103.7 in</td>
</tr>
<tr>
<td>Width - Maximum</td>
<td>51.2 in</td>
</tr>
<tr>
<td>Height - Maximum</td>
<td>52.2 in</td>
</tr>
</tbody>
</table>
D125 GC STANDARD EQUIPMENT

AIR INLET SYSTEM

Air Cleaner; light duty with disposable element

Air Cleaner; light duty with disposable element

CONTROL PANELS

GCCP 1.2 control panel

GCCP 1.2

COOLING SYSTEM

Fan drive, battery charging alternator drive

Coolant drain line with valves

Caterpillar extended life coolant

Radiator and cooling fan with guards

Radiator and cooling fan with guards

EXHAUST SYSTEM

Stub pipe, gaskets, raincap and SAE exhaust flange for customer use; shipped loose

GENERATOR AND GENERATOR ATTACHMENTS

12 leads

Tower panel, IP22, bottom cable entry

IP23 protection

Circuit breaker, IEC, 3 pole, mounted in tower panel

Tower panel, IP22, bottom cable entry

IP23 protection

12 leads

Segregated low voltage (AC/DC) wiring panel

Voltage regulator (single phase sensing)

Circuit breaker, IEC, 3 pole, mounted in tower panel
FUEL SYSTEM
Base, formed steel with single wall integral 8-hour fuel tank
Standard open set fuel tank / base supplied
Base, formed steel with single wall integral 8-hour fuel tank
Standard open set fuel tank / base supplied

LUBE SYSTEM
Lubricating oil
Lubricating oil
Oil drain line with valve
Oil drain line with valve

MOUNTING SYSTEM
Includes lifting provision and drag points
Captive linear vibration isolators between base and engine-generator
Includes lifting provision and drag points
Termination points for coolant and lube oil drain lines
Captive linear vibration isolators between base and engine-generator

STARTING / CHARGING SYSTEM
24V battery with rack and cables

GOVERNING SYSTEM
Mechanical and electrical governing system - model dependent
Mechanical and electrical governing system - model dependent

GENERAL
Engine and alternator pre-paint, Caterpillar Yellow
Engine and alternator pre-paint, Caterpillar Yellow

D125 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM
Anti-condensation heater
Permanent magnet
Quadrature droop king

Optional LC frame alternators

Alternator removal

3 Phase sensing

R frame auxiliary winding: R2273L4 SE aux alt 07, aux alt 08 and aux alt 10

CIRCUIT BREAKERS

Padlockable breaker device

4 Pole 250A, 400A and 630A Circuit Breakers

CONTROL PANEL OPTIONS

Emergency stop with key

Speed adjust contacts

Earth fault (2 wire only)

Earth fault (2 wire only)

Volt free contacts

Panel mounted audible alarm

Battery charger

Earth leakage (2 wire only)

Control panel heater

Speed adjust potentiometer

Speed adjust contacts

Overload shutdown via breaker

Battery charger

Earth leakage (2 wire only)

CONTROL SYSTEM

Static battery charger

Volt free contacts for common alarm

Control panel heater

Volt free contacts for generator set running
GCCP 1.2

COOLING SYSTEM
  Low coolant temperature
  Low coolant level shutdown
  Low coolant level shutdown
  Coolant heater

ENCLOSURES
  Sound attenuated level 2 enclosure

MOUNTING OPTIONS
  Electronic governor
  Battery removal
  Electronic governor
  Industrial silencer removal
  Silencer installation kit
  Residential silencer

FUEL SYSTEMS
  Skidbase for CALG enclosure sets
  Low fuel level alarm
  Low fuel level shutdown
  DEFRA bunded fuel tank
  Low fuel level shutdown
  Compact skidbase for open sets
  Open set narrow tankbase
  Low fuel level alarm
  Compact skidbase for open sets
  High fuel level alarm

TEST REPORTS
  PGS test report @ 0.8 power factor
PGS test report @ 1.0 power factor

GENERAL
Stone guards / radiator trans flange

GLOBAL CERTIFICATIONS
Certification for CIS
Certification for CIS

POWER TERMINATION
Circuit breaker, IEC, 4 pole

ACCESSORIES / MISCELLANEOUS
Packing case - canopied set
Packing case - compact set