# PRODUCT SPECIFICATIONS FOR D100 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>100 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>100 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>C4.4, In-line 4, 4-cycle diesel</td>
</tr>
<tr>
<td>Bore</td>
<td>4.1 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>5 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>269 in³</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>16.7:1</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged</td>
</tr>
<tr>
<td>Fuel System</td>
<td>Common Rail</td>
</tr>
<tr>
<td>Governor Type</td>
<td>Mechanical, ADEM™ A4</td>
</tr>
</tbody>
</table>

## GENERATOR SET DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length - Maximum</td>
<td>82.6 in</td>
</tr>
<tr>
<td>Width - Maximum</td>
<td>43.3 in</td>
</tr>
<tr>
<td>Height - Maximum</td>
<td>52.9 in</td>
</tr>
</tbody>
</table>
D100 GC STANDARD EQUIPMENT

AIR INLET SYSTEM
- Air cleaner; light duty with disposable element
- Air Cleaner

COOLING SYSTEM
- Caterpillar extended life coolant
- Coolant drain line with valve
- Fan drive, battery charging alternator drive
- Radiator and cooling fan with guards
- Coolant drain line with valve
- Caterpillar extended life coolant
- Radiator and cooling fan with guards
- Fan drive, battery charging alternator drive

CONTROL PANEL
- GCCP 1.2 Control panel
- GCCP 1.2

EXHAUST SYSTEM
- Stub pipe, gaskets, raincap and SAE exhaust flange for customer use - shipped loose
- Stub pipe, gaskets, raincap and SAE exhaust flange for customer use - shipped loose

FUEL SYSTEM
- 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 base, formed steel with single wall integral 8-hour fuel tank

GENERATOR
- 12 leads
- Tower panel, IP22, bottom cable entry
- Voltage regulator (single phase sensing)
IP23 protection

12 leads

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

Segregated low voltage (AC/DC) wiring panel

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Lubricating oil

Oil drain line with valve

Oil drain line with valve

Lubricating oil

MOUNTING SYSTEM

Includes lifting provision and drag points

Captive linear vibration isolators between base and engine-generator

Termination points for coolant and lube oil drain lines

STARTING/CHARGING SYSTEM

24V battery with rack and cables

24V battery with rack and cables

Batteries

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

Engine and alternator pre-paint, Caterpillar yellow

D100 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

Quadrature droop kit

Anti-condensation heater

R frame auxiliary winding
R frame auxiliary winding

3 phase sensing

Permanent magnet

CIRCUIT BREAKERS

Circuit Breaker Upgrades - 4 Pole circuit reaker to 250A, 400A and 630 A

COOLING SYSTEM

Coolant heater

Low coolant level shutdown

Low coolant temp alarm

CONTROL PANEL OPTIONS

Earth fault (2 wire only)

Battery charger

Volt free contacts

Panel mounted audible alarm

Speed adjust potentiometer

GCCP 1.2 control panel

Control panel heater

Earth leakage (2 wire only)

Emergency stop with key

Voltage adjust potentiometer

Overload shutdown via breaker

ENCLOSURES

Sound attenuated Level 2 enclosure

FUEL SYSTEM

Low fuel level shutdown

High fuel level alarm

Bunded fuel tank

Low fuel level alarm
MOUNTING OPTIONS

Battery removal

Industrial silencer

Silencer installation kit

Electronic governor

External single point lift - enclosure

SPECIAL PACKING/INSPECTONS FOR SHIPMENT

PGS test report @ 0.8 power factor

PGS test report @ 1.0 power factor

GENERAL - ACCESSORIES / MISCELLANEOUS

Stone guards / rad trans flange

Packing case - compact set

Packing case - canopied set