# PRODUCT SPECIFICATIONS FOR D80 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>80 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>80 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>
D80 GC STANDARD EQUIPMENT

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

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

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
- Circuit breaker, IEC, 3 pole, mounted in tower panel
- 12 leads
- 12 leads
Voltage regulator (single phase sensing)

Tower panel, IP22, bottom cable entry

Segregated low voltage (AC/DC) wiring panel

IP23 protection

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Lubricating oil

Lubricating oil

Oil drain line with valve

Oil drain line with valve

MOUNTING SYSTEM

Captive linear vibration isolators between base and engine-generator

Termination points for coolant and lube oil drain lines

Includes lifting provision and drag points

STARTING/CHARGING SYSTEM

24V battery with rack and cables

Batteries

24V battery with rack and cables

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

Engine and alternator pre-paint, Caterpillar yellow

D80 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

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
Low coolant level shutdown
Coolant heater
Low coolant temp alarm

CONTROL PANEL OPTIONS
Earth fault (2 wire only)
GCCP 1.2 control panel
Battery charger
Emergency stop with key
Overload shutdown via breaker
Voltage adjust potentiometer
Earth leakage (2 wire only)
Volt free contacts
Control panel heater
Panel mounted audible alarm
Speed adjust potentiometer

ENCLOSURES
Sound attenuated Level 2 enclosure

FUEL SYSTEM
Bunded fuel tank
Skidbase for CALG enclosure sets
Open set narrow base
Compact skidbase for open set
Low fuel level shutdown
Low fuel level alarm
High fuel level alarm

GLOBAL CERTIFICATIONS
Certification for CIS

MOUNTING OPTIONS
Silencer installation kit
Industrial silencer
Electronic governor
External single point lift - enclosure
Battery removal

SPECIAL PACKING/INSPECTIONS 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