# PRODUCT SPECIFICATIONS FOR D40 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>40 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>40 ekW</td>
</tr>
<tr>
<td>Emissions/Fuel Strategy</td>
<td>U.S. EPA Cert., Tier 3, SCAQMD Compliant</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 in</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>18.2:1</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>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length - Maximum</td>
<td>77.2 in</td>
</tr>
<tr>
<td>Width - Maximum</td>
<td>43.3 in</td>
</tr>
<tr>
<td>Height - Maximum</td>
<td>48 in</td>
</tr>
</tbody>
</table>
**D40 GC STANDARD EQUIPMENT**

**CERTIFICATES**
- IBC Seismic and Wind Certifications

**AIR INLET SYSTEM**
- Air Cleaner
- Cartridge type air filter

**CHARGING SYSTEM**
- NFPA battery charger UL10A 120VAC

**CIRCUIT BREAKERS**
- 3-Pole 100% rated
- Second circuit breaker box
- Power perminal strips
- Breakers (100% UL rated)

**CONTROL PANEL**
- GCCP 1.2 Control panel

**EXHAUST SYSTEM**
- 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

**CONTROL PANELS**
- NFPA110 bundle includes:
  - WSS1 Low coolant level shut down
  - WCA1 Low coolant temperature alarm
  - FSS low fuel level alarm & indication panel circuitry required when sub-base tank is selected
  - A coolant heater, remote annunciator or 0.8 power factor test may be required depending on the application
- PBC10NU NFPA Battery Charger
Oil temperature guage and sender

PAA1 Panel mounted audible alarm

Remote E-stop button

Audible alarm

Volt free contacts genset run and common alarm

Remote annunciator

Discrete I/O module

Ground fault relay

Low coolant level shutdown

Fuel level reading

Low coolant temperature alarm

Overload shutdown via breaker

Protective devices:

COOLING SYSTEM

Coolant drain line with valve

Fan drive, battery charging alternator drive

Caterpillar extended life coolant

Radiator and cooling fan with guards

Radiator stone guard

GENERATOR

12 leads

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Lubricating oil

Oil drain line with valve

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow
STARTING/CHARGING SYSTEM

- 24V battery with rack and cables

Batteries

D40 GC OPTIONAL EQUIPMENT

CERTIFICATES

- IBC Seismic and Wind Certifications

AIR INLET SYSTEM

- Cartridge type air filter

ALTERNATOR SYSTEM

- R frame auxilliary winding

CHARGING SYSTEM

- NFPA battery charger UL10A 120VAC

CIRCUIT BREAKERS

- Breakers (100% UL rated)
- Second circuit breaker box
- 3-Pole 100% rated
- Power perminal strips

CONTROL PANELS

- Volt free contacts genset run and common alarm

- Discrete I/O module

- Remote annunciator

- Remote E-stop button

- Oil temperature guage and sender

- Protective devices: Low coolant temperature alarm - Low coolant level shutdown - Fuel level reading - Overload shutdown via breaker

- Audible alarm

NFPA110 bundle includes: FSS low fuel level alarm & indication panel circuitry required when sub-base tank is selected - WSS1 Low Coolant level shut down - WCA1 Low Coolant temperature alarm - PAA1 Panel mounted audible alarm - PBC10NU NFPA Battery Charger - A coolant heater, remote annunciator or 0.8 power factor test may be required depending on the application
Ground fault relay

ENCLOSURES
- Sound attenuated enclosure, level 2
- External emergency stop
- Panel viewing window

HEATING ELEMENTS
- Coolant heater
- Wiring for canopy space heater
- Battery heater
- Jacket water heater
- Anti-condensation heater
- Lube oil sump heater
- Battery heater

COOLING SYSTEM
- Radiator transition flange
- Radiator transition flange

MOUNTING SYSTEM
- Seismic vibration isolators

EXHAUST SYSTEM
- 10, 25 and 35 dBA silencer systems
- Overhaed silencer mounting kit
- 10, 25 and 35 dBA silencer systems
- Overhaed silencer mounting kit

FUEL SYSTEM
- 5 gallon spill containment
- Tank riser
- Emergency vent pipe
- 209 and 394 gallon sub-base fuel tanks
- 5 gallon fill containment
5 gallon spill containment

5 gallon fill containment

209 and 394 gallon sub-base fuel tanks

Tank riser

Emergency vent pipe

GENERATORS

Permanent magnet generator

Permanent magnet generator

TESTS

PGS test report @ 0.8 power factor

PGS test report @ 1.0 power factor

4 Hour factory test

Generator test report

PGS test report @ 0.8 power factor

Generator test report

PGS test report @ 1.0 power factor