# PRODUCT SPECIFICATIONS FOR D175 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>175 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>175 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 L-6, 4-Cycle Diesel</td>
</tr>
<tr>
<td>Bore</td>
<td>4.1 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>5.31 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>427.8 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>Dimension</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>58.7 in</td>
</tr>
</tbody>
</table>
D175 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
   GCCP 1.2 control panel

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

GENERATOR AND GENERATOR ATTACHMENTS
   Circuit breaker, IEC, 3 pole, mounted in tower panel
   12 leads
   Circuit breaker, IEC, 3 pole, mounted in tower panel
   IP23 protection
   12 leads
   Tower panel, IP22, bottom cable entry
   IP23 protection
   Segregated low voltage (AC/DC) wiring panel
   Tower panel, IP22, bottom cable entry
   Voltage regulator (single phase sensing)

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
Standard open set fuel tank / base supplied
Base, formed steel with single wall integral 8-hour fuel tank

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

MOUNTING SYSTEM
Captive linear vibration isolators between base and engine-generator
Includes lifting provision and drag points
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

D175 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM
Anti-condensation heater
R frame auxiliary winding: R2273L4 SE aux alt 07, aux alt 08 and aux alt 10
Alternator removal
Quatature droop king
Permanent magnet
3 Phase sensing
Optional LC frame alternator with coastal insulation protection

CIRCUIT BREAKERS
4 Pole 250A, 400A and 630A Circuit Breakers
Padlockable breaker device

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

CONTROL SYSTEM
Volt free contacts for common alarm
Volt free contacts for generator set running
GCCP 1.2
Control panel heater
Static battery charger

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

ENCLOSURES
Sound attenuated level 2 enclosure

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

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

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