# PRODUCT SPECIFICATIONS FOR D150 GC

## GENERATOR SET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rating</td>
<td>150 ekW</td>
</tr>
<tr>
<td>Maximum Rating</td>
<td>150 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>5.31 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>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>52.2 in</td>
</tr>
</tbody>
</table>
D150 GC STANDARD EQUIPMENT

CONTROL PANELS
- GCCP 1.2 control panel
- GCCP 1.2

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

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

GENERATOR AND GENERATOR ATTACHMENTS
- 12 leads
- Circuit breaker, IEC, 3 pole, mounted in tower panel
- Voltage regulator (single phase sensing)
- 12 leads
- IP23 protection
- Segregated low voltage (AC/DC) wiring panel
- Tower panel, IP22, bottom cable entry
- IP23 protection
- Tower panel, IP22, bottom cable entry
- Circuit breaker, IEC, 3 pole, mounted in tower 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
Standard open set fuel tank / base supplied
Base, formed steel with single wall integral 8-hour fuel tank
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
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

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

D150 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM
Quatrature droop king
Alternator removal
R frame auxiliary winding: R2273L4 SE aux alt 07, aux alt 08 and aux alt 10

3 Phase sensing
Permanent magnet
Anti-condensation heater

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

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

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

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

ENCLOSURES
Sound attenuated level 2 enclosure

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

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

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

GENERAL
Stone guards / radiator trans flange

POWER TERMINATION
  Circuit breaker, IEC, 4 pole

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