

# PRODUCT SPECIFICATIONS FOR D125 GC

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## GENERATOR SET SPECIFICATIONS

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<b>Minimum Rating</b>	125 ekW
<b>Maximum Rating</b>	125 ekW
<b>Emissions/Fuel Strategy</b>	U.S. EPA Cert., Tier 3
<b>Voltage</b>	208 to 600 Volts
<b>Frequency</b>	60 Hz
<b>Speed</b>	1800 rpm
<b>Duty Cycle</b>	Standby

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## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	C7.1 I-6, 4-Cycle Diesel
<b>Bore</b>	4.1 in
<b>Stroke</b>	5.3 in
<b>Displacement</b>	428 in <sup>3</sup>
<b>Compression Ratio</b>	16.7:1
<b>Aspiration</b>	Turbocharged, Air to Air Aftercooled
<b>Fuel System</b>	Electronic, Common Rail
<b>Governor Type</b>	ADEM™ A4

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## GENERATOR SET DIMENSIONS

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<b>Length - Maximum</b>	103.7 in
<b>Width - Maximum</b>	51.2 in
<b>Height - Maximum</b>	52.2 in

## D125 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 control panel

GCCP 1.2

### COOLING SYSTEM

Fan drive, battery charging alternator drive

Coolant drain line with valves

Caterpillar extended life coolant

Radiator and cooling fan with guards

Radiator and cooling fan with guards

### EXHAUST SYSTEM

Stub pipe, gaskets, raincap and SAE exhaust flange for customer use; shipped loose

### GENERATOR AND GENERATOR ATTACHMENTS

12 leads

Tower panel, IP22, bottom cable entry

IP23 protection

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

Tower panel, IP22, bottom cable entry

IP23 protection

12 leads

Segregated low voltage (AC/DC) wiring panel

Voltage regulator (single phase sensing)

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

## FUEL SYSTEM

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

Standard open set fuel tank / base supplied

## LUBE SYSTEM

Lubricating oil

Lubricating oil

Oil drain line with valve

Oil drain line with valve

## MOUNTING SYSTEM

Includes lifting provision and drag points

Captive linear vibration isolators between base and engine-generator

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

# D125 GC OPTIONAL EQUIPMENT

## ALTERNATOR SYSTEM

Anti-condensation heater

Permanent magnet

Quatrature droop king

Optional LC frame alternators

Alternator removal

3 Phase sensing

R frame auxiliary winding: R2273L4 SE aux alt 07, aux alt 08 and aux alt 10

## CIRCUIT BREAKERS

Padlockable breaker device

4 Pole 250A, 400A and 630A Circuit Breakers

## CONTROL PANEL OPTIONS

Emergency stop with key

Speed adjust contacts

Earth fault (2 wire only)

Earth fault (2 wire only)

Volt free contacts

Panel mounted audible alarm

Battery charger

Earth leakage (2 wire only)

Control panel heater

Speed adjust potentiometer

Speed adjust contacts

Overload shutdown via breaker

Battery charger

Earth leakage (2 wire only)

## CONTROL SYSTEM

Static battery charger

Volt free contacts for common alarm

Control panel heater

Volt free contacts for generator set running

GCCP 1.2

## COOLING SYSTEM

Low coolant temperature

Low coolant level shutdown

Low coolant level shutdown

Coolant heater

## ENCLOSURES

Sound attenuated level 2 enclosure

## MOUNTING OPTIONS

Electronic governor

Battery removal

Electronic governor

Industrial silencer removal

Silencer installation kit

Residential silencer

## FUEL SYSTEMS

Skidbase for CALG enclosure sets

Low fuel level alarm

Low fuel level shutdown

DEFRA bunded fuel tank

Low fuel level shutdown

Compact skidbase for open sets

Open set narrow tankbase

Low fuel level alarm

Compact skidbase for open sets

High fuel level alarm

## 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