

# Product Specifications For D250 GC



## Generator Set Specifications

|                         |                          |
|-------------------------|--------------------------|
| Maximum Rating          | 250 ekW                  |
| Minimum Rating          | 250 ekW                  |
| Emissions/Fuel Strategy | EPA Stationary Emergency |
| Voltage                 | 208 to 600 Volts         |
| Frequency               | 60 Hz                    |
| Speed                   | 1800 rpm                 |
| Duty Cycle              | Standby                  |

## Engine Specifications

|                   |                                     |
|-------------------|-------------------------------------|
| Engine Model      | Cat® C9 In-line 6, 4-cycle Diesel   |
| Bore              | 4.4 in                              |
| Stroke            | 5.9 in                              |
| Displacement      | 538 in <sup>3</sup>                 |
| Compression Ratio | 16.3:1                              |
| Aspiration        | Turbocharged Air-to-Air Aftercooled |
| Fuel System       | HEUI                                |
| Governor Type     | Adem™ A4                            |

## Generator Set Dimensions

|                  |          |
|------------------|----------|
| Length - Maximum | 155.5 in |
|------------------|----------|

|                                      |           |
|--------------------------------------|-----------|
| <b>Width - Minimum</b>               | 56.3 in   |
| <b>Width - Maximum</b>               | 56.7 in   |
| <b>Height - Minimum</b>              | 67.2 in   |
| <b>Height - Maximum</b>              | 86.7 in   |
| <b>Dry Weight - Genset (minimum)</b> | 5324.2 lb |
| <b>Dry Weight - Genset (maximum)</b> | 6735.1 lb |

## D250 GC Standard Equipment

### Air Inlet System

Air cleaner - Non canister, disposable  
Aftercooler core  
Turbocharger

### Control Panel

GCCP 1.2

### Cooling System

Jacket water pump, gear driven, centrifugal  
Radiator sight gauge  
Blower fan and fan drive with guards  
Thermostats and housing  
Coolant drain valve  
Radiator, package mounted

### Exhaust System

Exhaust manifold - dry

### Fuel System

Fuel priming pump  
Engine fuel transfer pump  
Primary fuel filter w/integral water separator and secondary filter, spin on  
Integral tank base, 24 hours, UL142

### Generator Set

Factory tested to design specifications at full load conditions

Complete system designed & built at ISO 9001:2000 certified facilities  
All protective devices and control functions simulated and checked

## **Generators And Generator Attachments**

Easy access to AVR and terminals

Insulation system, Class H

Brushless, self-excited 2/3 pitch (600V uses Internal excitation (IE))

Voltage regulator (single phase sensing)

Terminal box, IP22 RHS facing, bottom cable entry

12 Leads

Standard winding protection for non-harsh environments with relative humidity ? 95%

IP23 Protection

## **Governing System**

Cat electronic governor (ADEM A4)

## **Lube System**

Oil filler and dipstick

Lubricating oil, CK-4 (10W-30)

Shallow oil pan

Oil filter, spin on

Fumes disposal to front of radiator

Oil cooler

Oil drain with valve

## **Mounting System**

Includes lifting provisions and termination points for coolant and lube oil drain lines

Captive linear vibration isolators between base and engine-generator

## **Protection**

Safety shutoff - Overspeed

Safety shutoff - High water temperature

Safety shutoff - Low oil pressure

## **Starting/Charging System**

24-volt electric starting motor

24V, 45 Amp Charging alternator

## **General**

Vibration damper

Lifting eyes

Parts book

## **D250 GC Optional Equipment**

## **Air Inlet System**

Air cleaner (Non canister disposable)

## **Bases, Mounting & Fuel Tanks**

Integral tank base, 24 hours, UL142

Audio & visual fuel alarm (@90% fuel level)

Wide Base - Skid

Fuel tank pill pipe & lockable cap

## **Circuit Breaker**

400A LS/I

600A LS/I

1200A LSI

600A LSI

1200A LS/I

Auxiliary contacts

400A LSI

800A LSI

800A LS/I

## **Control System**

Twist release, Red button emergency stop

Product link remote monitoring hardware

16 -light NFPA 99/110 Annunciator

Volt free contacts

Ground fault relay

20A GFCI (Ground Fault Circuit Interrupter)

Audible alarm Gp

100A Load center

## **Enclosures**

E-Stop

AC & DC Source lights

Sound attenuated Level 2 enclosure (White)

## **Exhaust System**

6" Muffler - 25 dBA attenuation

Flexible exhaust connection

Manifold and turbocharger guards

## **Generator**

Permanent magnet excitation (PMG) generator

Space heater

## **Starting System**

Standard battery set: 1000 CCA, 90 amp/hr.

Battery charger (UL Certified)

Jacket water heater

## **General**

CSA Certification

Extended Service Coverage

Generator test report

UL2200 Certification