

# Product Specifications For CG170B-12



## Generator Set Specifications

Continuous Rating	1380 ekW @1.0pf
Fuel Type	Natural Gas, Biogas, Coal Gas, Hydrogen Blend (up to 25%)
Maximum Electrical Efficiency	45.00%
Maximum Standby Rating	1380
Frequency	50 Hz
RPM	1500 rpm

## Engine Specifications

Engine Model	CG170B-12
Aspiration	TA
Bore	170 mm
Stroke	195 mm

## Generator Set Dimensions

Length	5080 mm
Width	1710 mm
Height	2190 mm
Dry Weight - Genset	12900 kg

## CG170B-12 Standard Equipment

### Air Inlet

One-element single-stage air cleaner with enclosure and service indicator

Turbocharger with a water-cooled bearing case for all cylinder

## **Control Panels**

TPEM (Total Plant & Energy Management System)

## **Cooling**

Jacket water and SCAC thermostats  
ANSI/DN customer flange connections for JW inlet and outlet  
Electrical jacket water and aftercooler coolant pump  
flange connections for JW inlet and outlet

## **Exhaust**

Exhaust waste gate for the CG170B-12  
PEARL/Low resistance exhaust system  
Closed crankcase ventilation system

## **Fuel System**

Pre-chamber spark plugs  
Electronic fuel metering valve  
Independently controlled cylinder monitoring and ignition system

## **Generator**

Reactive droop  
closed-coupled generator result in no torque transmission to the base frame  
Winding temperature detectors  
Busbar connections  
grid code generator  
Anti-condensation space heater  
3-phase sensing and KVAR/PF control

## **Starting/Charging**

24V starting motors  
Battery disconnect switch

## **General**

Crankshaft vibration damper and guard

## **CG170B-12 Optional Equipment**

## **Cooling**

CHP skid

## **Grid Code Compliance**

50Hz: Germany, Belgium, Great Britain, Italy, Poland, and Netherlands