

Product Specifications For CG170-12



Generator Set Specifications

Continuous Rating	1200 ekW @1.0pf
Fuel Type	Natural Gas, Biogas, Coal Gas
Maximum Electrical Efficiency	43.40%
Frequency	50 or 60 Hz
RPM	1500 rpm

Engine Specifications

Engine Model	CG170-12
Displacement	53.1 l
Aspiration	TA
Bore	170 mm
Stroke	195 mm

Generator Set Dimensions

Length	5970 mm
Width	1778 mm
Height	2210 mm
Dry Weight - Genset	13000 kg

CG170-12 Standard Equipment

Air Inlet

Turbocharger with a water-cooled bearing case for all cylinder

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

Control Panels

TEM (Total Electronic Management)

Cooling

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

Exhaust

PEARL/Low resistance exhaust system
Closed crankcase ventilation system
Exhaust waste gate for the CG170-12

Fuel System

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

Generator

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

Starting/Charging

24V starting motors
Battery disconnect switch

General

Crankshaft vibration damper and guard

CG170-12 Optional Equipment

Cooling

CHP skid

Grid Code Compliance

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