

Product Specifications For CG170B-16



Generator Set Specifications

Continuous Rating	1840 ekW @1.0pf
Fuel Type	Natural Gas, Biogas, Coal Gas, Hydrogen Blend (up to 25%)
Maximum Electrical Efficiency	44.70%
Maximum Standby Rating	1840
Frequency	50 Hz
RPM	1500 rpm

Engine Specifications

Engine Model	CG170B-16
Aspiration	TA
Bore	6.7 in
Stroke	7.7 in

Generator Set Dimensions

Length	240 in
Width	67 in
Height	86 in
Dry Weight - Genset	38360 lb

CG170B-16 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

TPEM (Total Plant & Energy Management System)

Cooling

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

Exhaust

PEARL/Low resistance exhaust system
Exhaust waste gate for the CG170B-16
Closed crankcase ventilation system

Fuel System

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

Generator

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

Starting/Charging

24V starting motors
Battery disconnect switch

General

Crankshaft vibration damper and guard

CG170B-16 Optional Equipment

Cooling

CHP skid

Grid Code Compliance

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