

Product Specifications For CG170B-20



Generator Set Specifications

Continuous Rating	2300 ekW @1.0pf
Fuel Type	Natural Gas, Biogas, Coal Gas, Hydrogen Blend (up to 25%)
Maximum Electrical Efficiency	45.00%
Maximum Standby Rating	2300
Frequency	50/60 Hz
RPM	1500 rpm

Engine Specifications

Engine Model	CG170B-20
Aspiration	TA
Bore	6.7 in
Stroke	7.7 in

Generator Set Dimensions

Length	258 in
Width	67 in
Height	89 in
Dry Weight - Genset	47377 lb

CG170B-20 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
flange connections for JW inlet and outlet
ANSI/DN customer flange connections for JW inlet and outlet
Electrical jacket water and aftercooler coolant pump

Exhaust

PEARL/Low resistance exhaust system
Exhaust waste gate for the CG170B-20
Closed crankcase ventilation system

Fuel System

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

Generator

Busbar connections
Winding temperature detectors
grid code generator
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

Starting/Charging

24V starting motors
Battery disconnect switch

General

Crankshaft vibration damper and guard

CG170B-20 Optional Equipment

Cooling

CHP skid

Grid Code Compliance

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