

GULFPOWER

ELECTRICAL POWER GENERATORS

CALL CENTER 920002985



رؤية VISION

2030

المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

GULFPOWER
ELECTRICAL POWER GENERATORS

TECHNICAL
DATASHEET
GPC2170-50



More about
GULFPOWER?
Use ARTIVIVE APP !



OR scan
the QR code !



Why to go with GULFPOWER?

- Proudly a Saudi Product

GULFPOWER genset are proudly assembled in Saudi Arabia with the highest quality by being the first genset factory in Saudi Arabia achieving the SASO certificates and supporting the local content in line with the Saudi 2030 Vision.

- Single Source Responsibility

GULFPOWER provides one-source responsibility for the Diesel Generator Sets , Panels (ATS , Sync , MDB) , accessories (Fuel systems, Tanks , Cables ... etc.,) , genset rental , Special studies , turnkey installation project And Strong qualified engineers to support you with the best solutions.

- Genset designed for the harsh environment

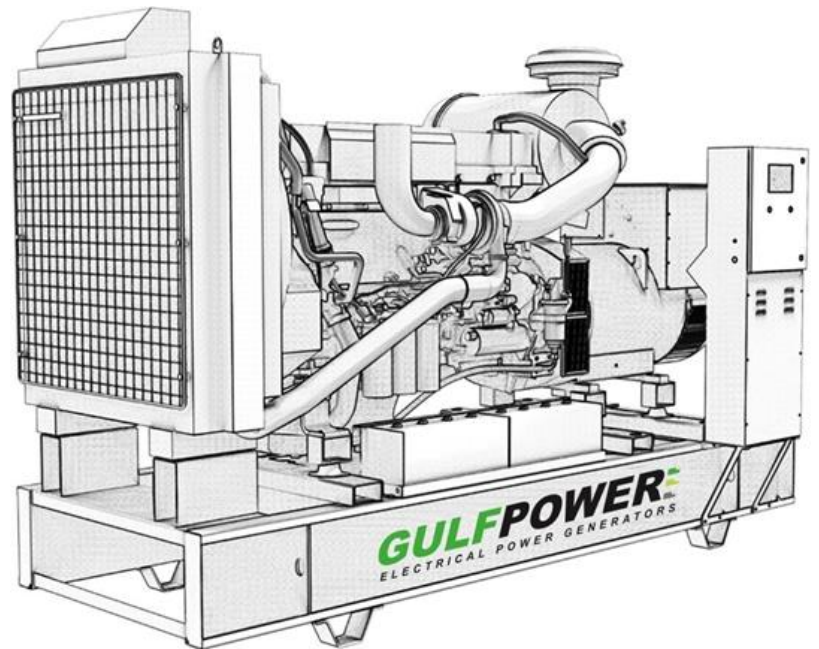
GULFPOWER genset designed to handle the harsh weather in MENA region specially in Saudi Arabia, GCC and Egypt (hot weather and high humidity)

- Product with our own design

GULFPOWER has its own R&D and engineering team to make the perfect design for genset matching the customer requirements.

- After Sales Services

GULFPOWER after Sales service are available across the kingdom of Saudi Arabia and outside of it by our dealers serving you with any spare parts or maintenance required



GPC2170-50

50 Hz	Standby		Prime	
	kVA	kW	kVA	kW
416V	2170	1736	2000	1600
400V				
380V				

* Please Consult GULFPOWER Team for other Voltages and for 50 Hz Option

Ratings Definition

- Emergency standby power (ESP)
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.
- Prime power (PRP)
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514

ENGINE SPECIFICATION

Engine Manufacturer	Cummins
Engine Model	QSK60G4
Engine Speed	1800 RPM
Max. power at rated rpm-with fan, kWm (BHP)	1861 (2345)
Engine Type	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration	Turbocharged, Low Temperature Aftercooled
Bore and Stroke	159 x 190 mm (6.25 x 7.48) inch

Displacement	3673 inch ³ (60.2 liter)
Compression Ratio	14.5 : 1
Wet Weight – Fan to Flywheel Engine (Approximate)	16816 lb. (7627) kg
<u>EXHAUST SYSTEM</u>	
Maximum Back Pressure	2 in Hg (6.8 kPa)
<u>COOLING SYSTEM</u>	
Cooling System Type	Water Cooling
<u>ELECTRICAL SYSTEM</u>	
Starting Motor	24 Volt

ALTERNATOR SPECIFICATION

Insulation System	Class H
Protection	IP23
Rated Power Factor	0.8
Stator Winding	Double Layer Concentric
Winding Pitch	Two Third
Maximum Over speed	2250 RPM

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting
- PMG Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds
- Self-ventilated and drip proof construction
- Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor & Fast-Response

GULFPOWER GENSET SUPPLIED AS STANDARD WITH:

- Circuit Breaker
- Battery charger
- Set of Batteries
- Muffler

ADDITIONAL OPTIONAL ACCESSORIES:

- Jacket Water Heater
- PMG
- Alternator Space Heater
- Annunciator
- Horn

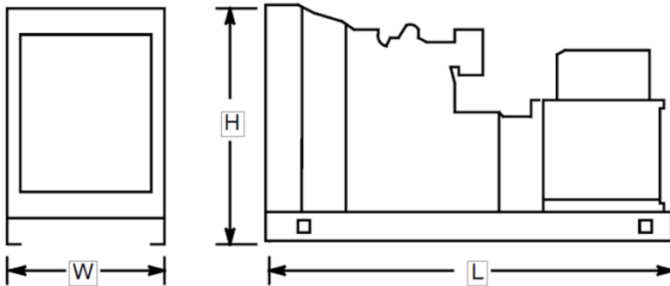
* Additional Options are available as per your requirements, please consult GULFPOWER Team.

FUEL CONSUMPTION

FUEL CONSUMPTION		
%	Liter/ hour	US Gal/ hour
STANDBY POWER		
100	437	115.3
PRIME POWER		
100	394	103.9
75	291	76.9
50	200	52.7
25	114	30.1

DIMENSIONS AND WEIGHT

Overall Size, max., mm : W=2600 , H= 3400 , L = 6500



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact GULFPOWER team for more detailed information.

CONTACT US:

CALL CENTER: 920002985



CONTROL PANEL



DSE7310

This controller is easy to use and feature an intuitive user interface with graphic display. The built in event and performance log with backed-up real time clock makes troubleshooting even simpler

- 4-Line back-lit LCD text display
- Power monitoring (kW h, kV Ar, kV A h, kV Ar h)
- Communication Interfaces
- Event Performance log + RTC
- Configurable timers and alarms

* Please refer to Data sheet for details.



DSE8610

DSE8610 is multi-generator load sharing Module, designed to synchronize up to 32 D-sets. Monitoring the generator and indicating the operational and faulty conditions, automatically starting or stopping the genset on load demand or fault condition.

* Please refer to Data sheet for details.

* Additional Controlling solution are available, please consult GULFPOWER team for more information