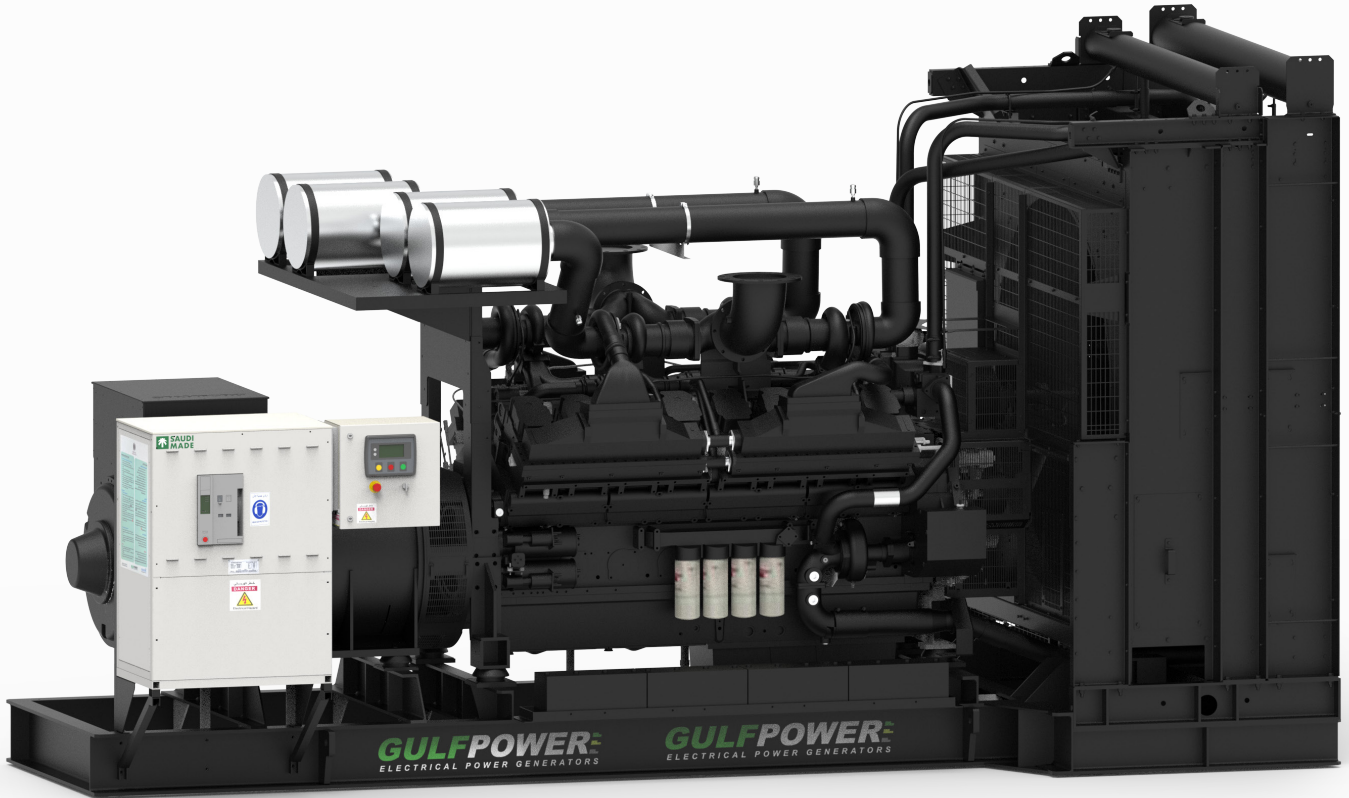


GPC1845-60
60Hz Genset Datasheet



Ratings

60Hz	Standby		Prime	
	KVA	KW	KVA	KW
400V	1845	1476	1605	1284
380V	1845	1476	1605	1284

*The above ratings represent the performance according to conditions specified in ISO 8528/1, ISO 3046/1:1986, and BS5514/1. Derating may be required for conditions outside these; consult GULFPOWER for further info.

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 Make	Cummins
Engine Model	KTA50-G9
Engine Speed	1800 RPM
Max. Gross Power	1605 KW
Engine Type	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration	Turbocharged & Low Temp. After cooled
Bore and Stroke(mm)	(6.25 x 6.25) Inch 159 x 159 mm
Displacement	50.3 Liter
Compression Ratio	13: 9 : 1
Dry Weight - Fan to Flywheel Engine (Approximate)	5360 kg

EXHAUST SYSTEM

Maximum Back Pressure	51 (mm Hg)
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COOLING SYSTEM

Coolant Capacity - Engine only without radiator	140 L
Standard Thermostat (Modulating Range)	82 - 93 °C
Maximum Top Tank Temperature	104 OC
Minimum Pressure Cap	96 kpa

LUBRICATION SYSTEM

Oil Capacity with Standard Oil Pan : Low - High	178- 148 Liter
Total System Capacity	204 L

ELECTRICAL SYSTEM

Starting Motor	24 V
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FUEL SYSTEM

Injection Type	Direct injection Cummins PT
Fuel Injection Pump	Direct injection Cummins PT
Governor	Electronic Speed governor

Alternator Specification

Make	Stamford
Model	PI734-C W13
Type	Brushless
Excitation System	Self-Excited With PMG
Voltage Regulation	± 1 %
Insulation Class	Class H
Temperature Rise	Class H
Stator Winding	Double layer LAP
Winding Pitch	2/3
IP protection	IP23
Bearings	Single
Over speed	125%
Standards	BS5000-3, NEMA MG1-32, ISO8528-3, CSA C22.2 100

FUEL CONSUMPTION

FUEL CONSUMPTION		
%	Liter/ hour	US Gal/ hour
STANDBY POWER		
100	392	103.6
PRIME POWER		
100	330	87.3
75	257	68.0
50	180	47.6

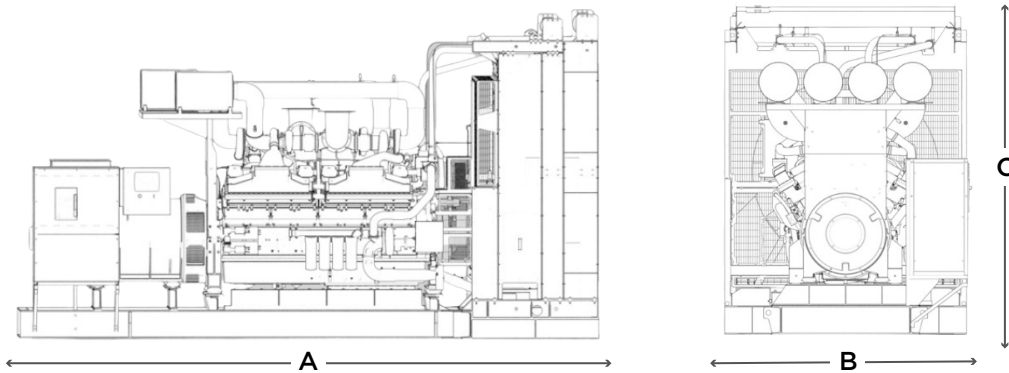
Standard Features

- Lead acid Batteries
- Battery charger.
- Multi Lifting Point.
- Auto-Manual digital Controller.
- Anti-Vibration Mounting between Engine/Alternator and skid.
- 3 Pole Circuit Breaker.

Optional

- Synchronization Control panel – different Varieties.
- Four Pole Circuit Breaker.
- Critical / Hospital Grade Silencer for Open Type Set.
- Annunciator Panel.
- Anti-condensation Heater
- Jacket Water Heater.
- Alternator Winding Temperature Sensor.
- Bearing Temperature Sensor.

DIMENSIONS AND WEIGHT



Close Type Dimension: A: L= , B: W= , C: H=
 Open Set Dimension: A: L= , B: W= , C: H=
 Without Base Tank:
 Dry Weight:
 Wet Weight :

CONTROL PANEL

Digital Controller

These controllers are 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.

- 3 phase generator protections
- True RMS current measurement
- Power Measurements
- Event Performance log + RTC
- User Interface
- Communication Interfaces

* Please refer to data sheet for details

InteliGen 200

Is a comprehensive controller for both single and multiple gen-sets operating in standby or parallel mode.

- Automatic synchronizing and Power control
- Base load Import/Export
- Peak shaving
- Integrated PLC programmable functions
- Event based history

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