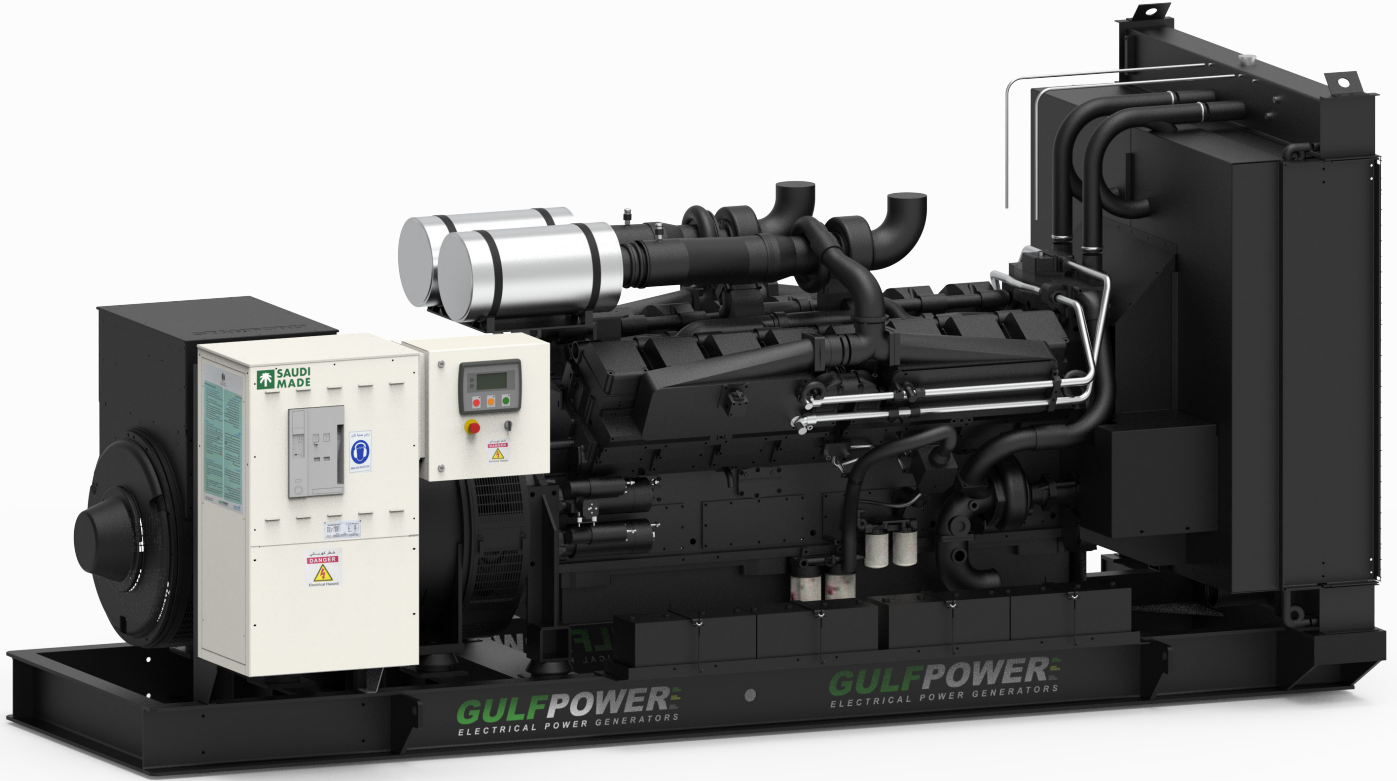


GPC1565-60  
60Hz Genset Datasheet



**Ratings**

60Hz	Standby		Prime	
	KVA	KW	KVA	KW
480V	1580	1264	1405	1124
400V	1575	1260	1405	1124
380V	1565	1252	1405	1124

\*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-G3
Engine Speed .....	1800 RPM
Max. Gross Power .....	1329 KW
Engine Type .....	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration .....	Turbocharged and After cooled
Bore and Stroke(mm) .....	(6.25 x 6.25) Inch 159 x 159 mm
Displacement .....	58.3 Liter
Compression Ratio .....	13: 9 : 1
Dry Weight - Fan to Flywheel Engine (Approximate) .....	5360 kg
<b>EXHAUST SYSTEM</b>	
Maximum Back Pressure .....	51 (mm Hg)
<b>COOLING SYSTEM</b>	
Coolant Capacity - Engine only without radiator .....	161 L
Standard Thermostat (Modulating Range) .....	82 - 93 °C
Maximum Top Tank Temperature .....	104 OC
Minimum Pressure Cap .....	96 kpa
<b>LUBRICATION SYSTEM</b>	
Oil Capacity with Standard Oil Pan : Low - High .....	151- 121 Liter
Total System Capacity .....	177 L
<b>ELECTRICAL SYSTEM</b>	
Starting Motor .....	24 V
<b>FUEL SYSTEM</b>	
Injection Type .....	Direct injection Cummins PT
Fuel Injection Pump .....	Direct injection Cummins PT
Governor .....	Mechanical with Automatic Speed governor

## Alternator Specification

Make .....	Stamford
Model .....	S7L1D-C W312
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
<b>STANDBY POWER</b>		
100	330	87.3
<b>PRIME POWER</b>		
100	310	81.0
75	222	58.7
50	157	41.6

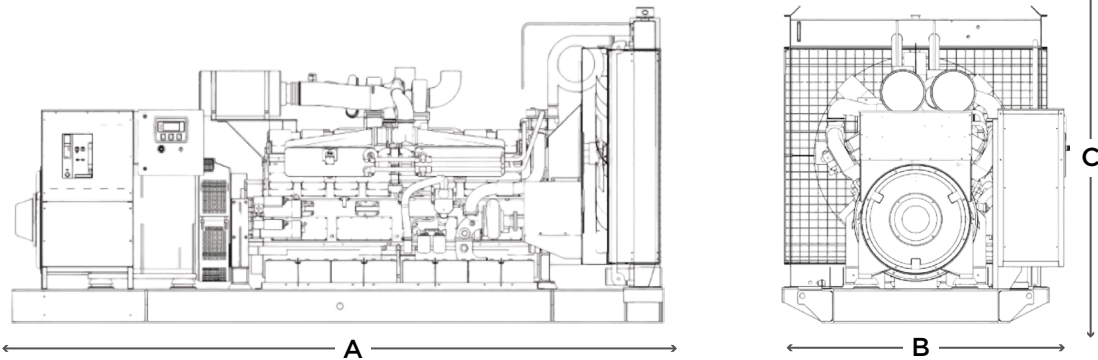
### Standard Features

- 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