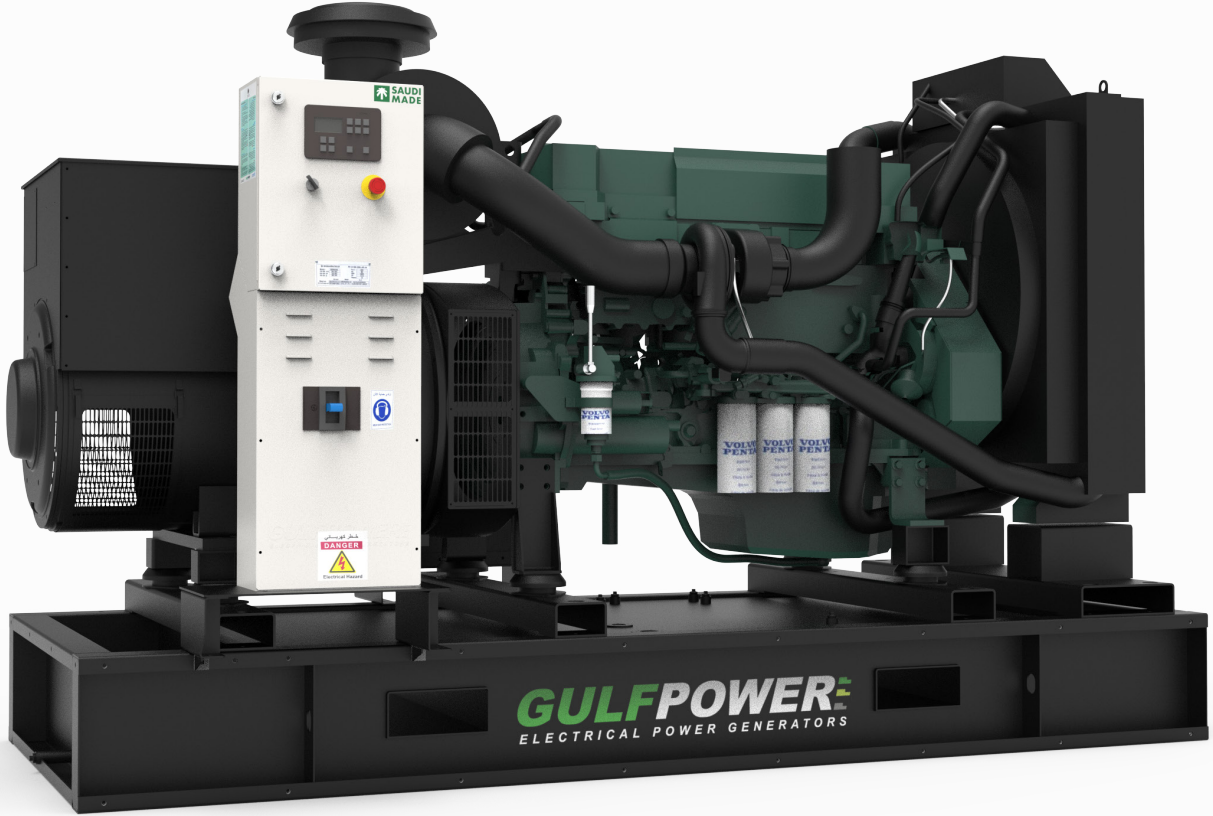


GPV0500-60
60Hz Genset Datasheet



Ratings

60Hz	Standby		Prime	
	KVA	KW	KVA	KW
480V	500	400	460	368
400V	500	400	460	368
380V	500	400	460	368
220V	500	400	460	368

*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	Volvo Penta
Engine Model	TAD1344GE-B
Engine Speed	1800 RPM
Max. Gross Power	431 KW
Engine Type	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbocharged and Charge Air Cooled
Bore and Stroke	131x 158 mm (5.16 x 6.22) inch
Displacement	12 Liter
Compression Ratio	18,1 : 1
Wet Weight – Fan to Flywheel Engine (Approximate)	1325 kg

EXHAUST SYSTEM

Maximum Back Pressure	10 Kpa
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COOLING SYSTEM

Jacket Water Circuit Requirements	
Coolant Capacity – Engine only without radiator	20 L
Standard Thermostat (Modulating Range)	82 - 92 °C
Maximum Top Tank Temperature	107 OC
Minimum Pressure Cap	100 kpa

LUBRICATION SYSTEM

Oil Capacity with Standard Oil Pan : Low – High	19- 30 Liter
Total System Capacity	30L

ELECTRICAL SYSTEM

Starting Motor	24 V
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FUEL SYSTEM

Injection Type	Electronic fuel Injection
Fuel Injection Pump	EMS II
Governor	Electronic
Speed regulation	±0.25%
Standards	ISO 3046. BS5514/1.

Alternator Specification

Make	Stamford
Model	S5L1D-C W311
Type	Brushless
Excitation System	Self-Excited
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	105	27
PRIME POWER		
100	95	25
75	71	18
50	48	12

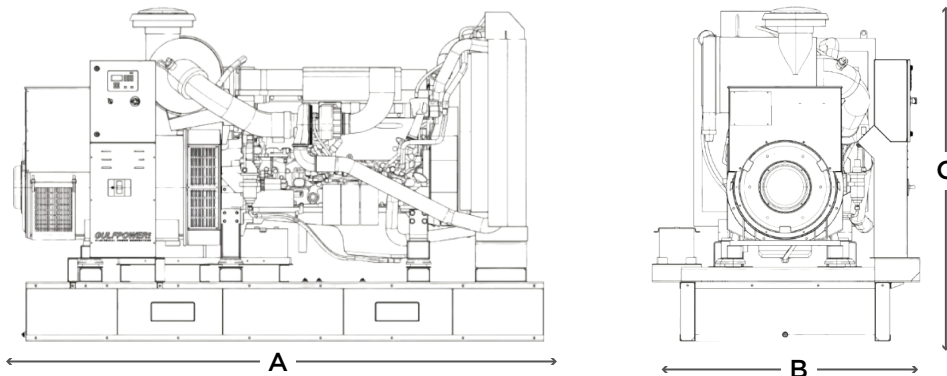
Standard Features

- 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