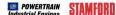
# **GAMMA-GAS GU80GO-NG**

60Hz@1800RPM 208/120V 3PH









Picture for illustration purposes only

Overall performance	GU80GO-NG
PRP Continuous power kVA	66
PRP Continuous power kW	53
LTP Stand-by power kVA	73
LTP stand-by power kW	58
Power factor cos fiq	0.8
Voltage VAC	208/120
Frequency Hz	60
Ampere PRP/LTP	183 / 202
Speed RPM	1800

#### **Dimensions and noise level**

Length mm	2250
Width mm	1020
Height mm	1538
Net Weight kg	1004
Gross Weight kg	-
Sound pressure at 7 mt dBA	-

## **General features**

Open generator with following specifications:

#### Frame:

- Heavy duty fabricated welded base plate with high quality steel UNI S235 JR
- Heavy duty, bell type, rubber anti-vibration mountings
  Dedicated area to make easier the electrical connection to the load
- Easy access to fuel refilling
- Feet and four lifting holes on the base

#### Muffler:

- Industrial type
- With aluminum coating

#### **Control Panel:**

- Self-standing control panel tower made with metal structure and
- components to grant IP65 protection, easily removable for maintenance Control panel is divided in two independent and insulated boxes separating Controls (Controller and numbered terminal board) from Power connection (circuit breaker and cable inlet)
- External dedicated area to make easier the electrical connection to the load
- Power connection between circuit breaker and alternator made with high resistance neoprene cables (H07RNF) and using cable glands for waterproof connections

All units and components are prototype tested, factory build and production tested. A specific control procedure during the several stages of production ensures long life and reliability.

### Data reference

Standard reference conditions temperature 25°C, altitude 1-1000m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0.850 gr/lt. Power performance data as quoted can be obtained after the initial running-in period of the engine, during which one has to follow the instructions of the engine manufacturer as stated in the use and maintenance manual of the specific engine. The tolerance shown by the engine manufacturer is +/- 5%. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited applicable overload must be less than the percentages stated by the Manufacturer.L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted. For reasons of transport and/or storage, liquids (oil and antifreeze) and batteries might not be included in the delivery.





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### **Engine general data**

Engine brand	<b>GM General Motors</b>
Model	5.7L
PRP Power kW	70.30
LTP Power kW	78.10
Fuel	Natural gas
Nr. cylinders	8
Air intake	Aspirated
Cooling	Water
Cubic capacity I.	5.70
Speed regulation	Electronic
Performance Class - steady state regulator accuracy +/- %	
Load Step G1 - KWe	-
Load Step G2 - KWe	-
Load Step G3 - KWe	-
Voltage VDC	12
Emissions	-

#### Alternator general data

Alternator brand	Stamford
Model	S1L2-Y1
Type of excitation	Self-excited
Type of regulation	AVR
Regulator precision +/-%	1.00

### Structure data

Type of structure	GAMMA-GAS
Tank capacity I.	-
Retention basin	yes
Exhaust diameter mm	120

## **Fuel consumption**

Consumo 25% m³/h	9.90
Consumo 50% m <sup>3</sup> /h	14.70
Consumo 75% m <sup>3</sup> /h	19.40
Consumo 100% m <sup>3</sup> /h	22.40
Autonomy at 75% of load h.	

# **Engine liquids and equipment**

Type of lubricant	Oil SAE 15W40
Lubrication capacity I.*	4.70
Type of coolant	Antifreeze liquid
Coolant capacity I.*	19.00
Air intake filter	Paper cartridge
Battery capacity Ah	100
Number of batteries*	1

## Fuel system and energy balance

Gas supply pressure (bar)	-
Combustion air flow volume LTP m3/min	4.90
Cooling air capacity LTP m3/min	-
Exhaust gas flow-density LTP m3/min	15.80
Exhaust gas temperature LTP °C	-
Brake mean effective pressure kPa	10.20
Energy to exhaust LTP kWt	-
Energy to coolant LTP kWt	54.80
Energy to radiation LTP kWt	-

## **Control panel features**

## QT2A-4520

Self-standing tower with IP65 metal box

Circuit breaker

AMF controller DSE4520

- Voltmeter, Frequencymeter, Ammeter
   Generator power (kW, kV Ar, kV A & pf) monitoring
- Hour meter
- Fuel level meter
- Overload (kW & kV Ar) protection
- Low oil pressure protection
- High coolant temperature protection
- Low fuel level protection
- Battery charger alternator fault
- Rpm protection

Emergency stop button Audible alarm

Terminal board for ATS connection

Can Bus reading Port (if standard on the engine)

Battery charger On/off switch



Dealer



