

# Howin Gas Generator



**HWGH Series Gas Generator Sets**  
**Powered by Howin H series Engines**

**HWGH27.5-G      50HZ**



## Ratings

Rated Power	kVA	25
	kW	20
Standby Power	kVA	27.5
	kW	22
Voltage type		50Hz,380/220V, 3 phases and 4 wires

Ratings at 0.8 power factor

## Performance Data

Engine Brand & Model	HG4B
Alternator Brand & Model	LSA42.3VS3/25.6KW
Control System	Deepsea DSE7320
Standard Noise Level@7m (Soundproof Sets)	72dBA
Circuit Breaker Type	3 Poles MCCB
Frequency & Phase	50hz 3Phases + 4Wires
Engine Speed (RPM)	1500
Fuel Consumption (Nm <sup>3</sup> /hr) 100% Load	2.25

The above fuel consumption is calculate with the natural gas whose heat value is 35.8MJ/Nm<sup>3</sup>

## Dimensions and Weights

Content		Open type	Soundproof Sets
Dimensions: (mm)	L	1750	2500
	W	700	1100
	H	1100	1700
Weights (kg)		900	1350

## Engine Brand & Model: HG4B

### Engine Data

No. of Cylinders	4 in-line	Engine power(KW)	33
Cycle	4 Stroke	Cylinder Type	Dry
Bore * Stroke (mm)	102 * 120	Compression Ratio	11.5:1
Induction	Natural aspirated	Displacement (L)	3.92
Cooling Method	Water cooled	Governing Type	Electronic
Starting method	24V DC motor	Coolant capacity, including radiator (L)	24.79
Lubricant Oil	15W40-CF4 or above grade	Oil pan capacity (L)	11

## Alternator Brand & Model: LSA42.3VS3, 50Hz.

### Standard Leroy Somer Alternator Data

Continuous power	25kVA/20kW	Efficiency (%)	88.3
Power factor	0.8	Temperature rise	125K
Excitation system	Brushless, self-excited	Insulation class	H
A.V.R.	R220	Enclosure protection	IP23
Voltage regulation	± 0.5 %	Winding leads	12
Altitude	≤ 1000 m	Ambient temperature (°C)	40

## Controller Brand & Model: Deepsea DSE7320



The DSE7320 is an Auto Start & Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. It monitors speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, and the modules will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

The controller offers electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands.

The controller can also be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.

## Optional Configuration

Engine	Alternator	Control System	Canopy	Voltages
<ul style="list-style-type: none"><li>● Jacket Water Preheater</li><li>● Oil Preheater</li><li>● Automatic Oil filling system</li><li>● Cogeneration</li><li>● Remote cooling radiator</li></ul>	<ul style="list-style-type: none"><li>● Winding Temperature</li><li>● Measuring Instrument</li><li>● Alternator Space Heater</li><li>● PMG</li><li>● Marine grade Protection (anti-corrosion)</li></ul>	<ul style="list-style-type: none"><li>● Remote control panel</li><li>● ATS</li><li>● Synchronizing to grid</li><li>● Paralleling</li></ul>	<ul style="list-style-type: none"><li>● Trailer</li><li>● Galvanized powder coating</li><li>● Containerized canopy</li></ul>	<ul style="list-style-type: none"><li>● 440/254V</li><li>● 380/220V</li><li>● 220/127V</li><li>● 208/120V</li></ul>

## Following spare parts list is optional according to customer requirements.

- FILTER, LUBRICATION
- FILTER, AIR
- BELT, ALTERNATOR
- BELT, FAN
- SPARK PLUG



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We reserve the right to change above information about model, technical specification, color, configuration and accessories without prior notice. Please contact with us before confirmation.

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