

Howin Gas Generator



HWGH Series Gas Generator Sets
Powered by Howin H series Engines

HWGH165-G 50HZ



Ratings

Rated Power	kVA	150
	kW	120
Standby Power	kVA	165
	kW	132
Voltage type		50Hz,380/220V, 3 phases and 4 wires

Ratings at 0.8 power factor

Performance Data

Engine Brand & Model	HGN14
Alternator Brand & Model	LSA44.3L10/120KW
Control System	Deepsea DSE7320
Standard Noise Level@7m (Soundproof Sets)	75 dBA
Circuit Breaker Type	3 Poles MCCB
Frequency & Phase	50hz 3Phases + 4Wires
Engine Speed (RPM)	1500
Fuel Consumption (Nm ³ /hr) 100% Load	39.56

The above fuel consumption is calculate with the natural gas whose heat value is 35.8MJ/Nm³

Dimensions and Weights

Content		Open type	Soundproof Sets
Dimensions: (mm)	L	2950	4350
	W	1100	1450
	H	1800	1900
Weights (kg)		2425	4065

Engine Brand & Model: HGN14

Engine Data

No. of Cylinders	6 in-line	Engine power(KW)	145
Cycle	4 Stroke	Cylinder Type	Wet
Bore * Stroke (mm)	140 * 152	Compression Ratio	11:1
Induction	Natural aspirated	Displacement (L)	14
Cooling Method	Water cooled	Governing Type	Electronic
Starting method	24V DC motor	Coolant capacity, including radiator (L)	55.3
Lubricant Oil	15W40-CF4 or above grade	Oil pan capacity (L)	36

Alternator Brand & Model: LSA44.3L10, 50Hz.

Standard Leroy Somer Alternator Data

Continuous power	150kVA/120kW	Efficiency (%)	93.1
Power factor	0.8	Temperature rise	125K
Excitation system	Brushless, self-excited	Insulation class	H
A.V.R.	R250	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">● Jacket Water Preheater● Oil Preheater● Automatic Oil filling system● Cogeneration● Remote cooling radiator	<ul style="list-style-type: none">● Winding Temperature● Measuring Instrument● Alternator Space Heater● PMG● Marine grade Protection (anti-corrosion)	<ul style="list-style-type: none">● Remote control panel● ATS● Synchronizing to grid cabinet● Paralleling cabinet	<ul style="list-style-type: none">● Trailer● Galvanized powder coating● Containerized canopy	<ul style="list-style-type: none">● 440/254V● 380/220V● 220/127V● 208/120V

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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