Howin Gas Generator

HOWIN®

HWGH Series Gas Generator Sets
Powered by Howin H series Engines

HWGH412-G   50HZ

Ratings

Rated Power	kVA	375
	kW	300
Standby Power	kVA	412
	kW	330
Voltage type		50Hz,380/220V, 3 phases and 4 wires

Ratings at 0.8 power factor

Performance Data

Engine Brand & Model	HGKT19
Alternator Brand & Model	LSA47.2VS2/300KW
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 (Nm3/hr) 100% Load	93.11

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	3500	5600
	W	1250	2000
	H	2020	2500
Weights (kg)		3380	4985

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Engine Brand & Model: HGKT19

Engine Data

No. of Cylinders	6 in-line	Engine power(KW)	341
Cycle	4 Stroke	Cylinder Type	Wet
Bore * Stroke (mm)	159 * 159	Compression Ratio	11.5:1
Induction	Turbocharged & Aftercooled	Displacement (L)	18.9
Cooling Method	Water cooled	Governing Type	Electronic
Starting method	24V DC motor	Coolant capacity, including radiator (L)	115
Lubricant Oil	15W40-CF4 or above grade	Oil pan capacity (L)	87

Alternator Brand & Model: LSA47.2VS2, 50Hz.

Standard Leroy Somer Alternator Data

Continuous power	365kVA/292kW	Efficiency (%)	93.3
Power factor	0.8	Temperature rise	125K
Excitation system	Brushless, self-excited	Insulation class	H
A.V.R.	R250	Enclosure protection	IP23
Voltage regulation	$\pm$ 0.5 %	Winding leads	12
Altitude	$\leqslant$ 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.

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Optional Configuration

Engine	Alternator	Control System	Canopy	Voltages
●Jacket Water Preheater ●Oil Preheater ● Automatic Oil filling system ● Cogeneration ● Remote cooling radiator	● Winding Temperature ● Measuring Instrument ● Alternator Space Heater ● PMG ● Marine grade Protection (anti-corrosion)	● Remote control panel ● ATS ● Synchronizing to grid cabinet ● Paralleling cabinet	● Trailer ● Galvanized powder coating ● Containerized canopy	●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

E-Mail: sales@howinpower.com
Website: www.howinpower.com

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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