



➤ **Engine: Cummins 4BTAA3.9-G3**

➤ **Alternator: Stamford/Leroy**

**Somer/Hengsheng**

➤ **Controller: DeepSea/SmartGen/**

**DEIF/ComAp**

## Genset

Model	JHK5-100GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	80kW/100kVA
Standby Power	88kW/110kVA

Compression Ratio: 18.0:1

Bore: 102mm

Stroke: 120mm

Emission Certification:

Governor Regulation:  $\leq 5\%$

Aspiration: Charge Air Cooled

Displacement 3.9L

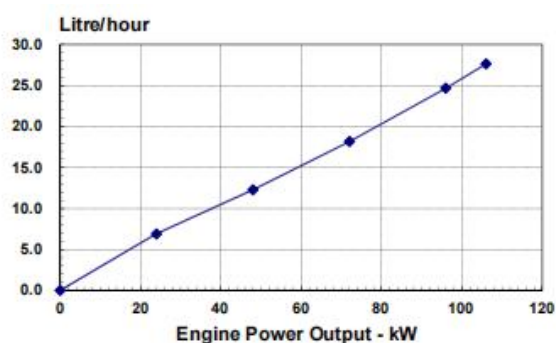
No. of Cylinders 4

Fuel System WF PW /

Electronic Governor

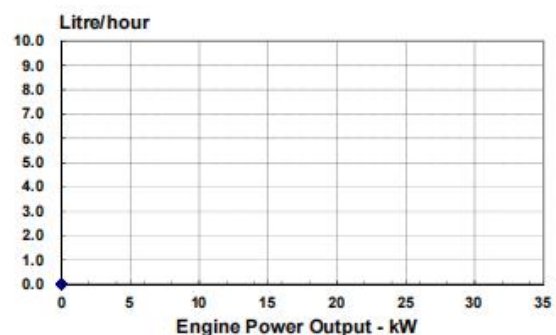
### Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	106	142	215	27.6
PRIME POWER				
100	96	129	212	24.7
75	72	98	208	18.2
50	48	65	211	12.3
25	24	32	237	6.9
CONTINUOUS POWER				



### Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
PRIME POWER				
CONTINUOUS POWER				



## Alternator

Pole No. 4-Pole

Exciter Type Single bearing, Brushless,  
Self-excited

Power factor 0.8

Voltage adjust range  $\leq 5\%$

Insulation Grade H

Protection Grade IP23/22

Phase / wire 3 phase 4 wires

- ✧ NEMAMG1.JIANGHAO, and ANSI standards compliance for temperature rise and motor starting.
- ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field.
- ✧ Self-ventilated and drip-proof construction.
- ✧ Superior voltage waveform from two-thirds pitch windings and skewed stator.
- ✧ Digital solid-state volts-per-hertz voltage regulator with +1% no-load to full-load regulation.

## Control Panel



The control module gives digital readouts of:

Generator voltage;  
Output frequency;  
Engine speed;  
Battery voltage;  
Engine hours run.

The **control panel** is an Digital Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.

Monitoring an extensive number of engine parameters, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LEDs.

**The control module has indicators for failure information:**

Over speed/Low speed,  
Emergency stop  
Low oil pressure;  
High water temperature  
Failure to start  
Battery charger failure



Dimension:2000\*850\*1350mm  
Weight:1100kg



Dimension:3000\*1100\*1700mm  
Weight:2000kg  
Fuel Tank Capacity:280L

**Automatic shutdown occurs under:**

Low engine oil pressure;  
High engine water temperature;  
Over speed/Low speed;  
Failure to start after three attempts.

## Electrical system

- Maintenance-free and anti-explosion battery
- Standard breaker
- ABB breaker (optional)
- ATS (optional)
- Battery charger (optional)
- GMS monitoring (optional)

## Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

**Jiangsu Jianghao Generator Co.,Ltd**

Address: No.1 Xixu Road, Medical High-tech Zone,  
Taizhou city, Jiangsu, China

Contact Person: Anthony Feng

Email: [jhfsale@jhgenerator.com](mailto:jhfsale@jhgenerator.com)

WhatsApp: +86 18652649673

