



➤ **Engine: Cummins 4BTAA3.9-G3**

➤ **Alternator: Stamford/Leroy**

Somer/Hengsheng

➤ **Controller: DeepSea/SmartGen/**

DEIF/ComAp

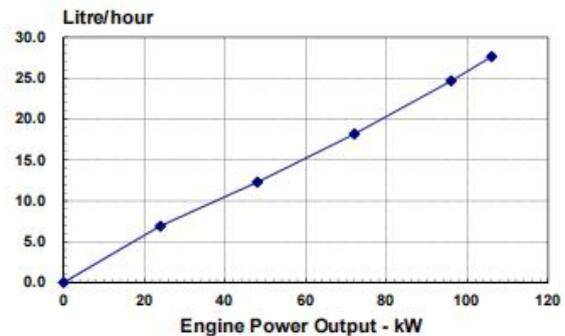
Genset	
Model	JHK5-100GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	80kW/100kVA
Standby Power	88kW/110kVA

Compression Ratio: 18.0:1
 Bore: 102mm
 Stroke: 120mm
 Emission Certification:
 Governor Regulation: $\cong 5\%$

Aspiration: Charge Air Cooled
 Displacement 3.9L
 No.of Cylinders 4
 Fuel System WF PW /
 Electronic Governor

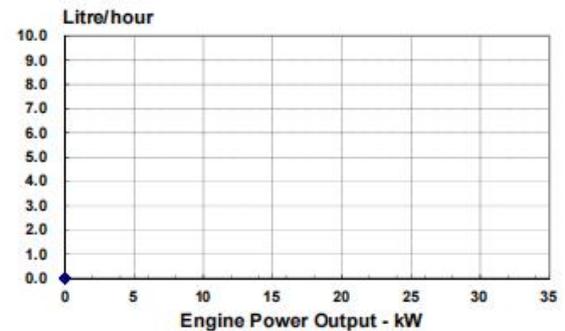
Engine Performance Data @ 1500 RPM

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 $\cong 5\%$
 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

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)



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

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

Jiangsu Jianghao Generator Co.,Ltd

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