



## Genset

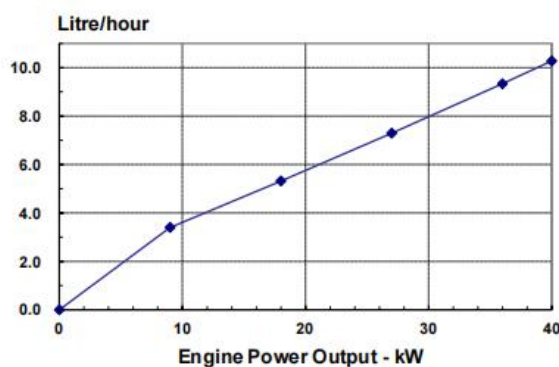
Model	JHK-45GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	36kW/45kVA
Standby Power	40kW/50kVA

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

Aspiration: Turbocharger  
Displacement 3.9L  
No.of Cylinders 4  
Fuel System BYC A /  
Electronic Governor

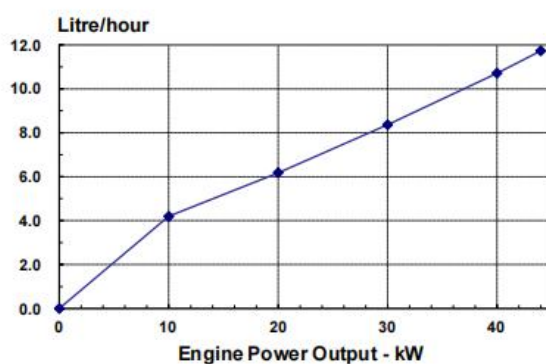
### Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	40	54	212	10.3
PRIME POWER				
100	36	48	214	9.3
75	27	36	223	7.3
50	18	24	244	5.3
25	9	12	312	3.4
CONTINUOUS POWER				



### Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	44	59	220	11.7
PRIME POWER				
100	40	54	221	10.7
75	30	40.5	230	8.4
50	20	27	255	6.2
25	10	13.5	346	4.2
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

➤ Engine: Cummins 4BT3.9-G2

➤ Alternator: Stamford/Leroy

Somer/Hengsheng

➤ Controller: DeepSea/SmartGen/  
DEIF/ComAp

- ✧ 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:1700\*800\*1250mm  
Weight:750kg



Dimension:2400\*1000\*1550mm  
Weight:1350kg  
Fuel Tank Capacity:240L

**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

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