



Genset

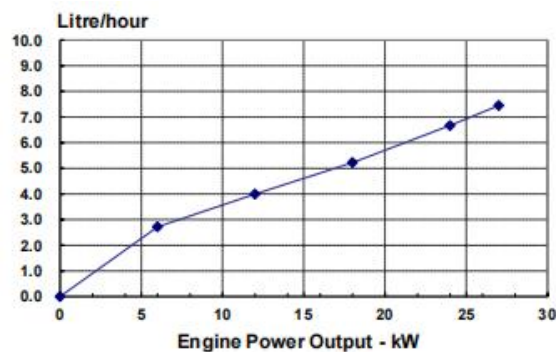
Model	JHK5-27GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	22kW/27kVA
Standby Power	24kW/30kVA

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

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

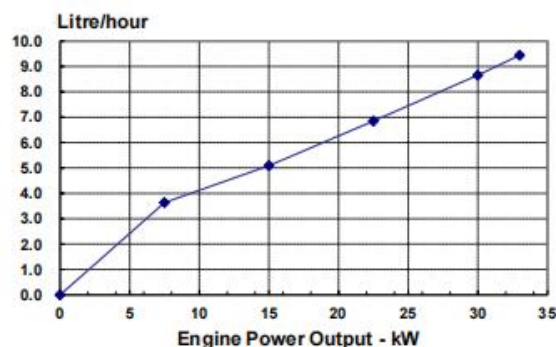
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	27	36	227.664	7.5
PRIME POWER				
100	24	32	229	6.7
75	18	24	240	5.2
50	12	16	275	3.9
25	6	8	374	2.7
CONTINUOUS POWER				



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	33	44	236	9.4
PRIME POWER				
100	30	40	238	8.6
75	22.5	30	251	6.8
50	15	20	280	5.0
25	7.5	10	400	3.6
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 4B3.9-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:1650*800*1250mm
Weight:700kg



Dimension:2400*1000*1550mm
Weight:1300kg
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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