



Genset

Model	JHK5-400GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	320kW/400kVA
Standby Power	350kW/438kVA

Compression Ratio: 16.7:1

Bore: 140mm

Stroke: 152mm

Emission Certification: STG IIIA,NRMM 3

Governor Regulation: $\leq 3\%$

➤ **Engine:Cummins QSNT-G3**

➤ **Alternator:Stamford/Leroy**

Somer/Hengsheng

➤ **Controller:DeepSea/SmartGen/
DEIF/ComAp**

Aspiration: Turbocharged&Charge Air Cooled

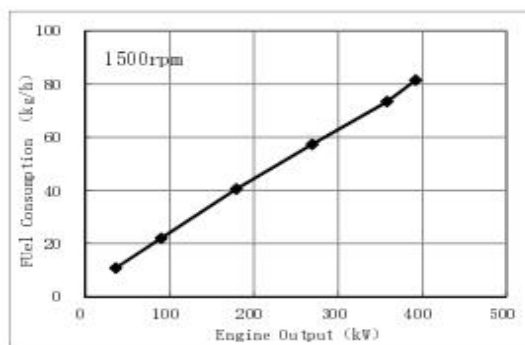
Displacement 14L

No.of Cylinders 6

Fuel System CELECT

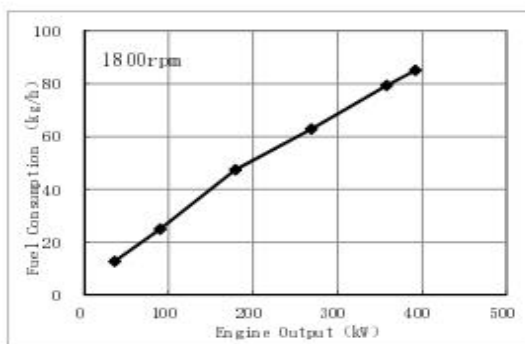
Engine Performance Data @ 1500 rpm

Output Power			Fuel Consumption			
%	HP	kW	lb/hp-h	kg/kW-h	lb/h	kg/h
Standby Power						
100	525	392	0.070	0.208	37.0	81.5
Prime Power						
100	480	358	0.069	0.205	33.3	73.4
75	360	269	0.072	0.213	26.0	57.3
50	240	179	0.077	0.226	18.4	40.5
25	120	90	0.083	0.244	10.0	22.0
10	48	36	0.102	0.300	4.9	10.8
Continuous Power						
100	430	321	0.070	0.208	30.3	66.8



Engine Performance Data @ 1800 rpm

Output Power			Fuel Consumption			
%	HP	kW	lb/hp-h	kg/kW-h	lb/h	kg/h
Standby Power						
100	525	392	0.073	0.217	38.6	85.0
Prime Power						
100	480	358	0.075	0.222	36.0	79.3
75	360	269	0.079	0.234	28.5	62.8
50	240	179	0.090	0.265	21.5	47.4
25	120	90	0.094	0.276	11.3	24.9
10	48	36	0.120	0.352	5.7	12.7
Continuous Power						
100	430	321	0.079	0.232	33.8	74.5



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:3200*1200*1800mm
Weight:3300kg



Dimension:4000*1700*2000mm
Weight:5200kg
Fuel Tank Capacity:680L

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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