



➤ **Engine: Cummins 6BTAA5.9-G2**

➤ **Alternator: Stamford/Leroy**

**Somer/Hengsheng**

➤ **Controller: DeepSea/SmartGen/**

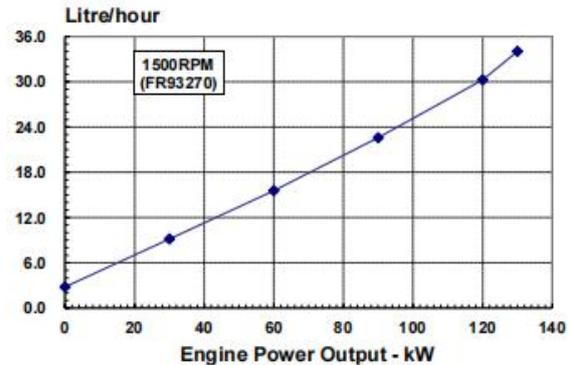
**DEIF/ComAp**

<b>Genset</b>	
Model	JHK-145GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	116kW/145kVA
Standby Power	125kW/156kVA

Compression Ratio:	17.3:1	Aspiration:	Turbocharger&Charge Air cooled
Bore	102mm	Displacement	5.9L
Stroke	120mm	No.of Cylinders	6
Emission Certification	MEP STAGE 1	Fuel System	BYC PB /Electronic Governor
Governor Regulation:	≅ 3%		

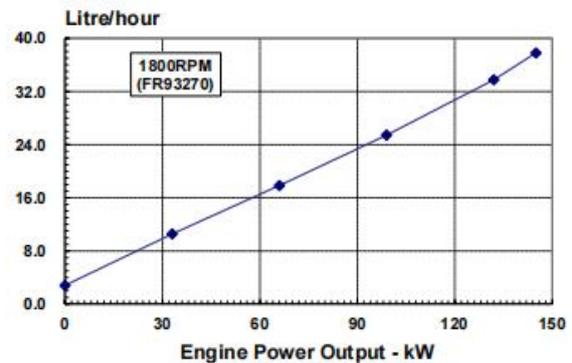
**Engine Performance Data @ 1500 RPM**

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
<b>STANDBY POWER</b>				
100	130	174	216	34
<b>PRIME POWER</b>				
100	120	161	208	30
75	90	121	207	23
50	60	80	214	16
25	30	40	252	9
<b>CONTINUOUS POWER</b>				
100	56	75	208	24



**Engine Performance Data @ 1800 RPM**

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
<b>STANDBY POWER</b>				
100	145	194	215	38
<b>PRIME POWER</b>				
100	132	177	211	34
75	99	133	212	25
50	66	88	223	18
25	33	44	264	11
<b>CONTINUOUS POWER</b>				
TBD	TBD	TBD	TBD	TBD



**Alternator**

Pole No.	4-Pole
Exciter Type	Single bearing, Brushless, Self-excited
Power factor	0.8
Voltage adjust range	≅ 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 dripproof 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:2300\*950\*1500mm  
Weight:1300kg

### 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:2200kg  
Fuel Tank Capacity:280L

### Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

## Jiangsu Jianghao Generator Co.,Ltd

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