



➤ **Engine: Cummins 6BTAA5.9-G2**

➤ **Alternator: Stamford/Leroy**

Somer/Hengsheng

➤ **Controller: DeepSea/SmartGen/**

DEIF/ComAp

Genset

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

Compression Ratio: 17.3:1

Bore 102mm

Stroke 120mm

Emission Certification MEP STAGE 1

Governor Regulation: $\leq 3\%$

Aspiration: Turbocharger&Charge Air cooled

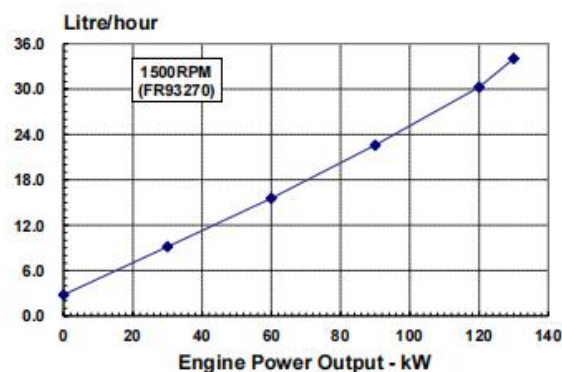
Displacement 5.9L

No. of Cylinders 6

Fuel System BYC PB /Electronic Governor

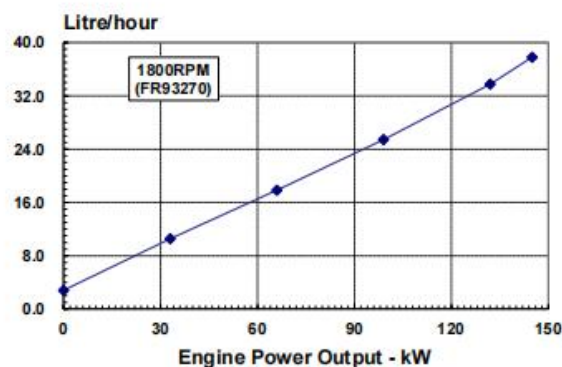
Engine Performance Data @ 1500 RPM

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



Engine Performance Data @ 1800 RPM

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



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: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)

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging



Dimension:3000*1100*1700mm
Weight:2200kg
Fuel Tank Capacity:280L

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