



➤ **Engine: Cummins 6LTAA8.9-G3**

➤ **Alternator: Stamford/Leroy**

Somer/Hengsheng

➤ **Controller: DeepSea/SmartGen/**

DEIF/ComAp

Genset

Model	JHK-280GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	224kW/280kVA
Standby Power	248kW/310kVA

Compression Ratio: 16.6:1

Bore: 114mm

Stroke: 145mm

Emission Certification: None

Governor Regulation: $\leq 5\%$

Aspiration: Turbocharged&Charge Air Cooled

Displacement 8.9L

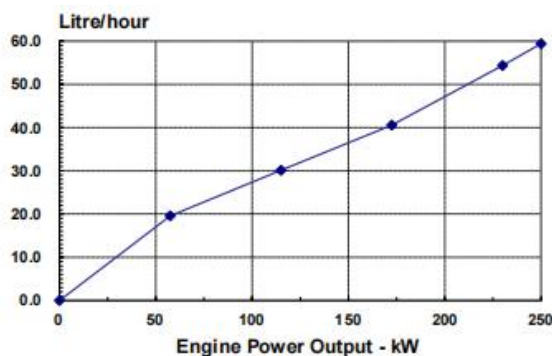
No.of Cylinders 6

Fuel System BYC P7100 /

Electronic Governor

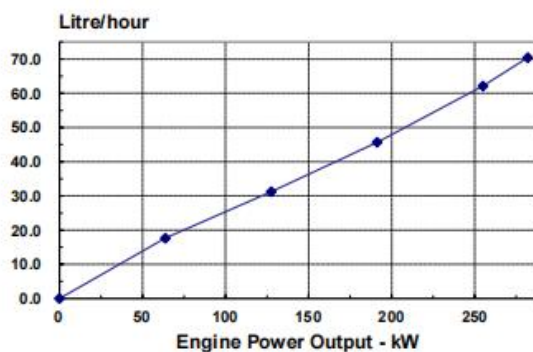
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	250	335	196	59
PRIME POWER				
100	230	308	195	54
75	173	231	194	41
50	115	154	216	30
25	58	77	281	20
CONTINUOUS POWER				



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	282	378	206	70
PRIME POWER				
100	255	342	201	62
75	191	256	197	46
50	128	171	202	31
25	64	85	228	18
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

- ✧ 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:2600*1050*1700mm
Weight:2000kg

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:3600*1600*1900mm
Weight:3800kg
Fuel Tank Capacity:550L

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