



➤ Engine: Cummins 4BTA3.9-G11

➤ Alternator: Stamford/Leroy

Somer/Hengsheng

➤ Controller: DeepSea/SmartGen/

DEIF/ComAp

Genset

Model	JHK-90GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	72kW/90kVA
Standby Power	80kW/100kVA

Compression Ratio: 17.3:1

Bore 102mm

Stroke 120mm

Governor Regulation: $\leq 5\%$

Aspiration: Turbocharger&Aftercooler

Displacement 3.9L

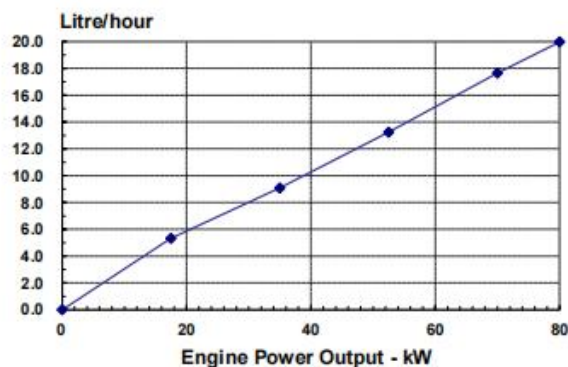
No. of Cylinders 4

Fuel System BYC PB /

Electronic Governor

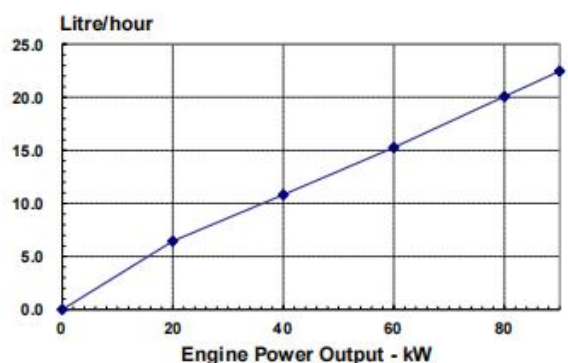
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	80	107	206	20.0
PRIME POWER				
100	70	93	208	17.6
75	52.5	70	208	13.2
50	35	47	214	9.1
25	17.5	23	251	5.3
CONTINUOUS POWER				



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	90	120	206	22.5
PRIME POWER				
100	80	107	207	20.1
75	60	80	210	15.3
50	40	53	223	10.8
25	20	27	266	6.4
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:1850*800*1300mm
Weight:950kg

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:2400*1000*1550mm
Weight:1550kg
Fuel Tank Capacity:240L

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