



Genset

Model	JHW5-2000GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	1980kW/2475kVA
Standby Power	2205kW/2756kVA

- **Engine: Baudouin 12M55D2450E310**
- **Alternator:Stamford/Leroy Somer /Hengsheng**
- **Controller:DeepSea/SmartGen /DEIF/ComAp**

General Engine Data

No.of Cylinders:	12	Displacement:	65.65L
Bore:	180mm	Lube oil:	380L
Stroke:	215mm	Consumption:	202g/kw.h

Ratings Definitions	Operating condition
COP	1.Unlimited using time per year 2.Continuous power is the maximum power available at a constant load factor 3.No overload capability is allowed.
PRP	1.Unlimited using time per year 2.The average load rate is no more than 70% over 24 hours 3.Overloading 10% for 1h within 12 hours of operation is allowed.
ESP	1. The annual operating time shall not exceed 200h 2.The average load rate shall not exceed 70% over24h operation Cycle 3.No overload capability is allowed;\n 4.The acceleration of starting of diesel engines are carried out in accordance with Q/WCG136.13, and there' s no engine process. From acceleration of starting to calibration speed shall be completed within 10s. Natural aspirated diesel engine, when the environment temperature is below 5°C, need to increase preheat facilities to ensure that diesel engine water temperature above 30°C. When environment temperature over 5°C, no preheating facilities are required. Supercharged diesel engine, when the environment temperature is below 10°C, need to increase preheat facilities to ensure that diesel engine water temperature above 30°C. When environment temperature over 10°C, no preheating facilities are required.

LTP	<p>1.No ability to overload;</p> <p>2.The annual operating time shall not exceed 500h while supplying a variable electrical load.</p>
DCP	<p>1.It has 10% overload capacity</p> <p>2.Annual run time is unlimited;</p> <p>3.Working under variable or continuous load of less than 100%</p> <p>4.The power load shall not exceed 70% of the calibration power when the device is running continuously.</p>
Descriptions	<p>1.All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of $\pm 5\%$.</p> <p>2.Test conditions : 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact the factory for details.</p> <p>3.Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump, without battery charging alternator, fan and optional equipment.</p>

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 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.



Dimension:6800*2500*2600mm

Weight:15500kg



Dimension:12000*2400*2900mm

Weight:19300kg

Fuel Tank Capacity:1000-3000L

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

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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