



### Genset

Model	JHW5-1800GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	1787kW/2233kVA
Standby Power	1989kW/2486kVA

- **Engine: Baudouin 12M55D2210E310**
- **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:	201g/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% over 24h operation Cycle 3.No overload capability is allowed;\n4.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	1.No ability to overload; 2.The annual operating time shall not exceed 500h while supplying a variable electrical load.
DCP	1.It has 10% overload capacity 2.Annual run time is unlimited; 3.Working under variable or continuous load of less than 100% 4.The power load shall not exceed 70% of the calibration power when the device is running continuously.
Descriptions	1.All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of $\pm 5\%$ . 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. 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.

## 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.

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:6800\*2500\*2600mm

Weight:15500kg

**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:12000\*2400\*2900mm

Weight:19300kg

Fuel Tank Capacity:1000-3000L

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