



**Genset**

Model	JHW-800GF
Voltage	480/277V
Frequency&Speed	60HZ 1800RPM
Prime Power	828kW/1035kVA
Standby Power	911kW/1139kVA

- **Engine: Baudouin 12M33D1012E311**
- **Alternator: Stamford/Leroy Somer /Hengsheng**
- **Controller: DeepSea/SmartGen /DEIF/ComAp**

**General Engine Data**

转速 Speed	发动机功率 Gross Engine Output		
	持续功率 kW COP kW	常用功率 kW PRP kW	备用功率 kW ESP kW
1800r/min	/	920	1012

发动机类型 Engine Type ..... 柴油机 Diesel Engine  
 气缸/气门数量 N° of Cylinders / Valves ..... 12/48  
 气缸分布型式 Cylinders arrangement ..... V型 V-Type  
 缸径×行程 ( mm ) Bore x Stroke ( mm ) ..... 150×185  
 排量(L) Displacement(L) ..... 39.2  
 燃油系统型式 Fuel System .. 电控高压共轨 Electronically controlled high pressure common rail  
 进气形式 Aspiration ..... 增压中冷 Turbocharged-Aftercooled  
 压缩比 Compression ratio ..... 15  
 飞轮壳尺寸 Flywheel housing ..... SAE0  
 飞轮尺寸 Flywheel ..... 18"  
 飞轮齿圈齿数 N° of teeth on flywheel ring gear ..... 194  
 飞轮转动惯量 (kg/m<sup>2</sup>) Inertia of flywheel (kg/m<sup>2</sup>) ..... 7.18  
 曲轴转动惯量 (kg/m<sup>2</sup>) Inertia of crankshaft (kg/m<sup>2</sup>) ..... 4.52  
 排放阶段 Emission standard ..... 中国非道路三阶段 Non-road China III  
 发动机尺寸(长×宽×高) (mm) Overall Dimensions without radiator (L x W x H) (mm)  
 ..... 2651×1338×1631  
 发动机干重 (kg) Engine dry weight (kg) ..... 3527  
 不带辅助启动装置时最低冷启动温度 (°C) Min.cold start temperature without auxiliary starting device(°C) ..... -5  
 带辅助启动装置时最低冷启动温度 (°C) Min. cold start temperature with auxiliary starting device (°C) ..... -10  
 在环境温度 25°C , 最大的中冷后进气温度 (°C) The max. Air inlet temperature after intercooler when the ambient temperature is 25°C (°C) ..... 55  
 进气温度与环境温度的最大温差 (°C) Max. difference between intake temperature and ambient temperature (°C) ..... ≤30

油底壳机油最小/最大容量 (L) Oil capacity Low / High (L).....	120/146
怠速时机油压力 (kPa) Oil pressure in normal condition idle speed (kPa) .....	≥200
在额定转速下的机油压力 (kPa) Oil pressure in normal condition at rated speed.....	400-650
机油压力低报警值(kPa) Lowest oil pressure alarm value (kPa) .....	200
机油最高温度(°C) Max. oil temperature (°C).....	105
机油流量 (L/min) Oil flow (L/min).....	≥470
机油燃油消耗比 Oil fuel consumption ratio based on engine fuel consumption data .....	≤0.3%
电气系统电压 ( 负极接地 ) (V) Electrical system voltage (negative to ground) (V) .....	24
起动机功率(kW) Starter power (kW) .....	2×8.5
充电发电机额定电流 (A) Battery charger current (A).....	55
启动回路最大电阻 (mΩ) Max. electric resistance of starting circuit (mΩ).....	8
启动回路导线最小截面积(mm <sup>2</sup> ) Min. sectional area of wire (mm <sup>2</sup> ) .....	70
加热格栅工作电压(V)/电流(A) Heat The Grille Voltage(V)/Current(A) .....	22-24/≤196
喷油泵进油口最大进油阻力 (kPa) Max. restriction at fuel pump inlet (kPa) .....	50
喷油泵最大回油阻力 (kPa) Max. fuel return restriction (kPa) .....	20
燃油最高进油温度 (°C) Max. fuel inlet temperature (°C).....	70
供油流量 (kg/h) Fuel supply flow (kg/h).....	
	额定工况 Rated working condition: 177.9
	超负荷工况 Overload working condition:195.5
输油泵最小压力 (kPa) Min. pressure of fuel pump (kPa).....	50
燃油进油管最小直径 (mm) Min. diameter of inlet pipe (mm).....	19
燃油回油管最小直径 (mm) Min. diameter of return pipe (mm) .....	19

## Alternator

Pole No.	4-Pole	
Exciter Type	Single bearing, Brushless, Self-excited	✧ NEMAMG1.JIANGHAO,and ANSI standards compliance for temperature rise and motor starting.
Power factor	0.8	
Voltage adjust range	≅ 5%	✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
Insulation Grade	H	
Protection Grade	IP23/22	
Phase / wire	3 phase 4 wires	✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field.
✧ 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.		✧ Self-ventilated and dripproof construction.

## 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:4500\*1850\*2200mm  
Weight:7400kg

### 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)



Dimension:5800\*2300\*2400mm  
Weight:11300kg  
Fuel Tank Capacity:1200L

### Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

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