



## Genset

|                 |                |
|-----------------|----------------|
| Model           | JHW2-1100GF    |
| Voltage         | 480/277V       |
| Frequency&Speed | 60HZ 1800RPM   |
| Prime Power     | 1080kW/1350kVA |
| Standby Power   | 1188kW/1485kVA |

- **Engine: Baudouin 12M26D1320E201**
- **Alternator: Stamford/Leroy Somer /Hengsheng**
- **Controller: DeepSea/SmartGen /DEIF/ComAp**

## General Engine Data

| 转速<br>Speed | 发动机功率<br>Gross Engine Output |                   |                   |
|-------------|------------------------------|-------------------|-------------------|
|             | 持续功率 kW<br>COP kW            | 常用功率 kW<br>PRP kW | 备用功率 kW<br>ESP kW |
| 1800r/min   | /                            | /                 | 1320              |

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 . 机械泵+电子调速器 Mechanical Pump+Electronic Speed Governor  
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 ..... 无排放 Non  
发动机尺寸(长×宽×高) (mm) Overall Dimensions without radiator (L x W x H) (mm)  
..... 2524×1312×1731 ( 以外形图为准 The outer chart shall prevail )  
发动机干重 (kg) Engine dry weight (kg) ..... 3590  
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  
包装尺寸 Packing measurement ( mm ) ..... 2880×1710×2215  
运输重量 Transport weight ( kg ) ..... 4268

|  |  |
|--|--|
| 油底壳机油最小/最大容量 (L) Oil capacity Low / High (L).....                              | 117/155                                  |
| 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%                                   |
| 喷油泵进油口最大进油阻力 (kPa) Max. restriction at fuel pump inlet (kPa) .....             | 13                                       |
| 喷油泵最大回油阻力 (kPa) Max. fuel return restriction (kPa) .....                       | 15                                       |
| 燃油最高进油温度 (°C) Max. fuel inlet temperature (°C).....                            | 45                                       |
| 供油流量 (kg/h) Fuel supply flow (kg/h).....                                       |  |
|  | 额定工况 Rated working condition: 234.00     |
|  | 超负荷工况 Overload working condition: 263.20 |
| 输油泵最小压力 (kPa) Min. pressure of fuel pump (kPa).....                            | 35                                       |
| 燃油进油管最小直径 (mm) Min. diameter of inlet pipe (mm) .....                          | 12                                       |
| 燃油回油管最小直径 (mm) Min. diameter of return pipe (mm) .....                         | 12                                       |
| 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) .....   | 10                                       |
| 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(mm²) Min. sectional area of wire (mm²) .....                       | 95                                       |
| 加热格栅工作电压(V)/电流(A) Heat The Grille Voltage(V)/Current(A) .....                  | 22-24/≤ 196                              |

## Alternator

|   |   |   |
|---|---|---|
| Pole No.  | 4-Pole                                  |   |
| Exciter Type  | Single bearing, Brushless, Self-excited |   |
| Power factor  | 0.8                                     | ✧ NEMAMG1.JIANGHAO,and ANSI standards compliance for temperature rise and motor starting.                               |
| Voltage adjust range  | ≅ 5%                                    | ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.                              |
| Insulation Grade  | H                                       | ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field. |
| Protection Grade  | IP23/22                                 | ✧ Self-ventilated and dripproof construction.   |
| Phase / wire  | 3 phase 4 wires                         |   |
| ✧ 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:4800\*2050\*2450mm  
Weight:9800kg

**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:5800\*2300\*2500mm  
Weight:13700kg  
Fuel Tank Capacity:1200L

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