



Genset

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|-----------------|----------------|
| Model | JHW5-2400GF |
| Voltage | 400/230V |
| Frequency&Speed | 50HZ 1500RPM |
| Prime Power | NA/NA |
| Standby Power | 2475kW/3094kVA |

- **Engine: Baudouin 16M55D2750E310**
- **Alternator: Stamford/Leroy Somer /Hengsheng**
- **Controller: DeepSea/SmartGen /DEIF/ComAp**

General Engine Data

| 转速Speed r/min | 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 |
| 1500 | / | 2500 | 2750 |

发动机类型 Engine Type柴油机 Diesel Engine
 气缸/气门数量 N° of Cylinders / Valves 16/64
 气缸分布型式 Cylinders arrangement V型 V-Type
 缸径×行程 (mm) Bore x Stroke (mm) 180×215
 排量(L) Displacement(L) 87.5
 燃油系统型式 Fuel System 高压共轨
 Electronically controlled high pressure common rail
 进气形式 Aspiration 增压中冷 Turbocharging and intercooling
 压缩比 Compression ratio 16.5:1
 飞轮壳尺寸 Flywheel housing SAE00
 飞轮尺寸 Flywheel 21"
 飞轮齿圈齿数 N° of teeth on flywheel ring gear 202
 飞轮转动惯量 (kg/m²) Inertia of flywheel (kg/m²) 20.78
 曲轴转动惯量 (kg/m²) Inertia of crankshaft (kg/m²) 17.1
 排放阶段 Emission standard 非道路三阶段 Non-road China III
 发动机尺寸(长×宽×高) Overall Dimensions without radiator (L x W x H) (mm)
 3443×1545×2717 (以外形图为准 The outer chart shall prevail) (以
 外形图为准 The outer chart shall prevail)
 发动机干重 (kg) Engine dry weight (kg) 11500
 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) -10
 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)
 /
 包装尺寸(长×宽×高) Packing size (L x W x H) (mm) 3970×1999×2553.5
 运输重量 Packaging quality(kg) 14470

| | |
|--|--|
| 发动机允许的最高使用环境温度 (°C) System designed for ambient temperature up to (°C) | 50 |
| 进出水外部管路的最小内径 (mm) Min. inside diameter of coolant outlet pipe (mm) | 76(低温循环 Low temperature cycle)/ 96(高温循环 High temperature cycle) |
| 出水管报警温度 (°C) Coolant alarm temperature (°C)..... | 103.0 |
| 节温器初开/全开温度 (°C) Thermostat opening temperature/full open temperature (°C) | 44/56(低温循环 Low temperature cycle) 82/92(高温循环 High temperature cycle) |
| 冷却系统内最小保持压力 (kPa) Min. pressure in cooling system (kPa)...../ | |
| 发动机本身冷却液容量 (L) Coolant capacity of the engine (L)..... | 89.2(低温循环 Low temperature cycle) 261.3(高温循环 High temperature cycle) |
| | |
| 喷油泵进油口最大进油阻力 (kPa) Max. restriction at fuel pump inlet (kPa) | 10 |
| 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)..... | 70.0 |
| 供油流量 (L/h) Fuel supply flow (kg/h) | / |
| 输油泵最小压力 (kPa) Min. pressure of fuel pump (kPa)..... | 50 (绝对压力) |
| 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 |
| | |
| 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) | 2×10 |
| 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(mm ²) Min. sectional area of wire (mm ²) | 90 |
| 加热格栅工作电压(V)/电流(A) Heat The Grille Voltage(V)/Current(A) | / |

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.



Dimension:8000*2500*2700mm

Weight:18500kg

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

Jiangsu Jianghao Generator Co.,Ltd

Address: No.1 Xixu Road, Medical High-tech Zone,
Taizhou city, Jiangsu, China

Contact Person: Anthony Feng

Email: jhfsale@jhgenerator.com

WhatsApp: +86 18652649673

