



Genset

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| Model | JHW-1520GF |
| Voltage | 480/277V |
| Frequency&Speed | 60HZ 1800RPM |
| Prime Power | 1463kW/1828kVA |
| Standby Power | 1607kW/2009kVA |

- Engine: Baudouin 16M33D1785E311
- 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 | / | 1625 | 1785 |

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) 150×185
排量(L) Displacement(L) 52.3
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 Turbocharging and intercooling
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/m²) Inertia of flywheel (kg/m²) 7.2
曲轴转动惯量 (kg/m²) Inertia of crankshaft (kg/m²) 10.1
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)
..... 2939×1740×2025 (以外形图为准 The outer chart shall prevail)
发动机干重 (kg) Engine dry weight (kg) 5125
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) -25
包装尺寸 Packing measurement (mm) 3400×1998×2508
运输重量 Transport weight (kg) 6443

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|---|------------|
| 允许最大排气背压 (kPa) Max. exhaust back pressure (kPa) | 7.5 |
| 最大的排气温度 (涡轮前) (°C) Max. exhaust temperature before turbocharger (°C) | |
| 700 (额定工况) 700(Rated operating condition) | |
| 750 (超负荷工况) 750(Overload operating) | |
| 最大的排气温度 (涡轮后) (°C) Max.exhaust temperature after turbocharger(°C)..... | ≤550 |
| 额定工况下排气流量 (kg/h) Exhaust flow @ PRP (kg/h) | 9187 |
| 应急备用工况下排气流量 (kg/h) Exhaust flow @ ESP (kg/h) | 10093 |
| 推荐排气管最小直径(mm) Min. diameter of exhaust pipe (mm) | 194 |
| 涡轮增压器法兰处允许的最大弯矩(Nm) Max. bending moment of exhaust gas exit flange (Nm) | 10 |
| 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 :323.0 | |
| 超负荷工况 Overload working condition :366.8 | |
| 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 |
| 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(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 | ✧ NEMAMG1.JIANGHAO,and ANSI standards compliance for temperature rise and motor starting. |
| Power factor | 0.8 | ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds. |
| Voltage adjust range | ≤ 5% | ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field. |
| Insulation Grade | H | ✧ Self-ventilated and dripproof construction. |
| Protection Grade | IP23/22 | |
| 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:5550*2250*2600mm

Weight:9500kg



Dimension:12000*2400*2900mm

Weight:13300kg

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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