



Genset

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| Model | JHW25-160GF |
| Voltage | 400/230V |
| Frequency&Speed | 50HZ 1500RPM |
| Prime Power | 164kW/205kVA |
| Standby Power | 180kW/225kVA |

- Engine: Weichai WP10D200E200
- 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 |
| 1500r/min | / | 182 | 200 |

发动机类型 Engine model柴油机 Diesel Engine
气缸/气门数量 N° of Cylinders / Valves 6/12
气缸分布型式 Cylinders arrangement直列 In-line
缸径×行程 (mm) Bore x Stroke (mm)126×130
排量(L) Displacement(L)9.726
燃油系统型式 Fuel System机械泵 mechanical pump

进气形式 Aspiration增压中冷 Turbocharged and aftercooled
压缩比 Compression ratio17
飞轮壳尺寸 Flywheel housing SAE1
飞轮尺寸 Flywheel 11.5' /14'
飞轮齿圈齿数 N° of teeth on flywheel ring gear 136
飞轮转动惯量 (kg/m²) Inertia of flywheel (kg/m²)0.95
曲轴转动惯量 (kg/m²) Inertia of crankshaft (kg/m²)0.35
排放阶段 Emission standard 无排放 Non
发动机尺寸(长×宽×高) (mm) Overall Dimensions with radiator (L x W x H) (mm)
.....1525×730×1063 (以外形图为准 The outer chart shall prevail)
发动机干重 (kg) Engine dry weight (kg) 875
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)
..... -30
包装尺寸 Packing measurement (mm)1873×974×1300
运输重量 Transport weight (kg) 980

| | |
|---|--------------|
| 油底壳机油最小/最大容量 (L) Oil capacity Low / High (L)..... | 24 |
| 怠速时机油压力 (kPa) Oil pressure in normal condition idle speed (kPa) | 100-250 |
| 在额定转速下的机油压力 (kPa) Oil pressure in normal condition at rated speed | 330-550 |
| 机油低报警压力 (kPa) Lowest oil pressure alarm (kPa) | 80 |
| 机油低停机压力 (kPa) Lowest oil pressure shutdown(kPa)..... | 80 |
| 机油最高温度(°C) Max. oil temperature (°C) | 85-105 |
| 机油流量 (L/min) Oil flow (L/min) | 118 |
| 机油燃油消耗比 Oil fuel consumption ratio based on engine fuel consumption data | ≤0.2% |
| 喷油泵进油口最大进油阻力 (kPa) Max. restriction at fuel pump inlet (kPa) | 18 |
| 喷油泵最大回油阻力 (kPa) Max. fuel return restriction (kPa) | 22 |
| 燃油最高进油温度 (°C) Max. fuel inlet temperature (°C)..... | 50 |
| 供油流量 (kg/h) Fuel supply flow (kg/h)..... | 38.93 ~35.35 |
| 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) | 5.4 |
| 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) | 4 |
| 启动回路导线最小截面积(mm²) Min. sectional area of wire (mm²) | 50 |
| 加热格栅工作电压(V)/电流(A) Heat The Grille Voltage(V)/Current(A) | / |
| 发动机噪声 (声功率级) (dB(A)) Diesel engine noise (Acoustic power level) (dB(A)) | 100.1 |

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: 2750*1050*1400mm
Weight: 1880kg



Dimension: 3600*1600*1900mm
Weight: 3600kg
Fuel Tank: 550L

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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