



Genset

Model	JHW-1800GF
Voltage	480/277V
Frequency&Speed	60HZ 1800RPM
Prime Power	1845kW/2306kVA
Standby Power	2007kW/2509kVA

- **Engine: Baudouin 20M33D2230E311**
- **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	/	/	2230

发动机类型 Engine model 柴油机 Diesel Engine
气缸/气门数量 N° of Cylinders / Valves 20/80
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) 65.4
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 SAE00
飞轮尺寸 Flywheel 21"
飞轮齿圈齿数 N° of teeth on flywheel ring gear 159
飞轮转动惯量 (kg/m²) Inertia of flywheel (kg/m²) 8.644
曲轴转动惯量 (kg/m²) Inertia of crankshaft (kg/m²) 20.7
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 with radiator (L x W x H) (mm)
..... 3278*1501*1716 (以外形图为准 The outer chart shall prevail)
发动机干重 (kg) Engine dry weight (kg) 6650
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) 3600×1998×2248
运输重量 Transport weight (kg) 8200

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)	750
最大的排气温度 (涡轮后) (°C) Max. exhaust temperature after turbocharger (°C)	600
额定工况下排气流量 (kg/h) Exhaust flow @ PRP (kg/h)	/
应急备用工况下排气流量 (kg/h) Exhaust flow @ ESP (kg/h)	12755.7
推荐排气管最小直径(mm) Min. diameter of exhaust pipe (mm)	300
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)	/
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)	120
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)	467.8
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)	2×10
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)	11
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
发动机噪声 (声功率级) (dB(A)) Diesel engine noise (Acoustic power level) (dB(A))	121.4

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.

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



Dimension:5650*2450*2950mm

Weight:10500kg

Fuel Tank:1000-3000L

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