



Genset

Model	JHW5-1600GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	1620kW/2025kVA
Standby Power	1782kW/2228kVA

General Engine Data

- Engine: Baudouin 16M33D1980E310
- Alternator: Stamford/Leroy Somer
/Hengsheng
- Controller: DeepSea/SmartGen
/DEIF/ComAp

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	/	/	1980

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

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).....	/
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
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)	
	高温进水φ100 (high temperature inlet pipe)
	高温出水φ79 (high temperature outlet pipe)
	低温进水φ84 (low temperature inlet pipe)
	低温出水φ58 (low temperature outlet pipe)
出水管报警温度 (°C) Coolant alarm temperature (°C)	103
节温器初开/全开温度 (°C) Thermostat opening temperature/full open temperature (°C).....	80/92
冷却系统内最小保持压力 (kPa) Min. pressure in cooling system (kPa)	50
发动机本身冷却液容量 (L) Coolant capacity of the engine (L).....	
	高温部分 : 100L (high temperature) 低温部分 : 30L (low temperature)

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



Dimension:5600*2300*2600mm

Weight:10000kg

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:12000*2400*2900mm

Weight:13800kg

Fuel Tank Capacity:1000-3000L

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