



Genset

Model	JHW5-3000GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	2970kW/3713kVA
Standby Power	3240kW/4050kVA

General Engine Data

- **Engine:** Baudouin 16M55D3600E310
- **Alternator:** Stamford/Leroy Somer
/Hengsheng
- **Controller:** DeepSea/SmartGen
/DEIF/ComAp

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	/	3300	3600

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.

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:8230*2600*2700mm

Weight:20000kg

Fuel Tank Capacity:1000-3000L

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