



## Genset

Model	JHW5-1600GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	1665kW/2081kVA
Standby Power	1818kW/2273kVA

## General Engine Data

- Engine: Baudouin 20M33D2020E310
- 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	/	/	2020

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) ..... 16.24  
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

发动机（基本型）油底壳的容量 Oil pan capacity of the engine(Basic model) ( L ) .....	240
怠速时机油压力 (kPa) Oil pressure in normal condition idle speed (kPa) .....	≥200
在额定转速下的机油压力 (kPa) Oil pressure in normal condition at rated speed.....	400-650
机油低报警压力 (kPa) Lowest oil pressure alarm (kPa).....	200
机油低停机压力 (kPa) Lowest oil pressure shutdown(kPa).....	200
机油最高温度(°C) Max. oil temperature (°C).....	85~105
机油流量 (L/min) Oil flow (L/min).....	633
机油燃油消耗比 Oil fuel consumption ratio based on engine fuel consumption data .....	≤0.3%
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).....	403.6
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

## 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.



Dimension:5650\*2450\*2950mm

Weight:10500kg

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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