



Genset

Model	JHW25-520GF
Voltage	400/230V
Frequency&Speed	50HZ 1500RPM
Prime Power	518kW/647kVA
Standby Power	570kW/712kVA

- Engine: Baudouin 6M33D633E200
- Alternator: Stamford/Leroy Somer /Hengsheng
- Controller: DeepSea/SmartGen /DEIF/ComAp

General Engine Data

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	/	575	633

发动机类型 Engine Type 柴油机 Diesel Engine
气缸/气门数量 N° of Cylinders / Valves 6/24
气缸分布型式 Cylinders arrangement 直列 Line
缸径×行程 (mm) Bore x Stroke (mm) 150×185
排量(L) Displacement(L) 19.6
燃油系统型式 Fuel System 机械泵 Mechanical pump
进气形式 Aspiration 增压中冷 Turbocharging and intercooling
压缩比 Compression ratio 15 : 1
飞轮壳尺寸 Flywheel housing SAE1
飞轮尺寸 Flywheel 14"
飞轮齿圈齿数 N° of teeth on flywheel ring gear 178
飞轮转动惯量 (kg/m²) Inertia of flywheel (kg/m²) 4.76
曲轴转动惯量 (kg/m²) Inertia of crankshaft (kg/m²) 2.22
排放阶段 Emission standard 无 None
发动机尺寸(长×宽×高) Overall Dimensions without radiator (L x W x H) (mm)
2254×1138×1529 (以外形图为准 The outer chart shall prevail)
发动机干重 (kg) Engine dry weight (kg) 2090
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) -5
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)
..... -10
包装尺寸(长×宽×高) Packing size (L x W x H) (mm) 2600×1500×1850
运输重量 Packaging quality(kg) 2500
25°C环境温度下的最高进气温度 (°C) Max. intake temperature @ 25°C ambient temperature (°C).
..... 55

在涡轮增压器前允许的最大的进气温升(°C) Air intake temperature rise (°C)	5
清洁滤芯进气阻力 (kPa) Air intake restriction clean filter (kPa)	≤3
脏滤芯进气阻力 (kPa) Air intake restriction dirty filter (kPa)	≤6.5
额定工况下进气流量 (kg/h) Recommended air flow @ PRP (kg/h)	2933
应急备用工况下进气流量 (kg/h) Recommended air flow @ ESP (kg/h)	3127
推荐最小进气管直径(mm) Min. diameter of intake pipe (mm)	160
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)	45
出水管报警温度 (°C) Coolant alarm temperature (°C)	报警 (warning) 103 停车 (stop) 108
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)	43.93
油底壳机油最小/最大容量 (L) Oil capacity Low / High (L)	36/61
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
机油压力低报警值(kPa) Lowest oil pressure alarm value (kPa)	200
机油压力低停机值(kPa) Lowest oil pressure shutdown value (kPa)	200
额定工况主油道内机油温度范围 The oil temperature range of the main oil passage under rated working condition (°C)	85~105
机油流量 (L/min) Oil flow (L/min)	≥263
额定工况机油燃油消耗比 Oil fuel consumption ratio based on engine fuel consumption data under rated working condition	≤0.3%
发动机噪声 (声功率级) (dB(A)) Diesel engine noise (Acoustic power level) (dB(A))	120.0

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:3600*1500*1900mm

Weight:5500kg



Dimension:4700*2100*2400mm

Weight:7900kg

Fuel Tank Capacity:1000L

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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