



Genset	
Model	JHM5-900GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Genset Prime Power	900kW/1125kVA
Engine Prime Power	1000kW/1250kVA

No.of Cylinders:	18	Displacement:	35.82L
Bore:	130mm	Lube oil:	130L
Stroke:	150mm	Consumption:	202g/kw.h

Key Features

- ✓ **MTU Series 2000/4000 Engines:** High-performance engines with turbocharging and intercooling for optimal power density.
- ✓ **Advanced Cooling Systems:** Efficient radiator and charge air cooling systems ensure stable operation under extreme conditions.
- ✓ **Power Range Flexibility:** Outputs from 150 kVA to over 3,000 kVA (depending on model), catering to small-scale to industrial needs.
- ✓ **Vibration and Noise Reduction:** Engineered mounts and acoustic enclosures minimize noise levels (as low as 65 dB(A) at 1 meter).
- ✓ **Parallel Operation Capability:** Multiple units can be synchronized for increased capacity or redundancy.
- ✓ **Fuel Flexibility:** Compatible with biodiesel blends (up to B20) in select models, supporting sustainability goals.
- ✓ **Robust Enclosures:** Weatherproof and sound-attenuated enclosures (IP23 or higher) for outdoor or harsh environments.
- ✓ **Compliance and Certification:** Certified for global markets (ISO 8528, CE, UL, etc.), ensuring safety and interoperability

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	
Voltage adjust range	≅ 5%	✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
Insulation Grade	H	
Protection Grade	IP23/22	✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field.
Phase / wire	3 phase 4 wires	✧ Self-ventilated and dripproof construction.
	✧ 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.	

- **Engine:MTU 18V2000G65**
- **Alternator:Stamford/LeroySomer /Hengsheng**
- **Controller:DeepSea/SmartGen /DEIF/ComAp**

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:4700*2000*2380mm
Weight:9000kg

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)



Dimension:5200*2100*2500mm
Weight:12200kg
Fuel Tank Capacity:1000L

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

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