



Genset

Model	JHM-640GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Genset Prime Power	640kW/800kVA
Engine Prime Power	710kW/888kVA

No.of Cylinders: 12
Bore: 130mm
Stroke: 150mm

Displacement: 23.88L
Lube oil: 77L
Consumption: 197g/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	✧ NEMAMG1.JIANGHAO,and ANSI standards compliance for temperature rise and motor starting. ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds. ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field. ✧ Self-ventilated and dripproof construction.
Exciter Type	Single bearing, Brushless, Self-excited	
Power factor	0.8	
Voltage adjust range	≅ 5%	
Insulation Grade	H	
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.		

- **Engine:MTU 12V2000G45**
- **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:4000*1650*2280mm
Weight:6500kg

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:5200*2100*2500mm
Weight:9800kg
Fuel Tank Capacity:1000L

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