



| Genset | |
|--------------------|---------------|
| Model | JHM-800GF |
| Voltage | 277/480V |
| Frequency&Speed | 60HZ;1800RPM |
| Genset Prime Power | 800kW/1000kVA |
| Engine Prime Power | 915kW/1144kVA |

| | | | |
|------------------|-------|---------------|-----------|
| No.of Cylinders: | 16 | Displacement: | 31.84L |
| Bore: | 130mm | Lube oil: | 102L |
| Stroke: | 150mm | Consumption: | 198g/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 16V2000G45**
- **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:4500*2000*2300mm
Weight:7800kg

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:5800*2300*2500mm
Weight:11700kg
Fuel Tank Capacity:1200L

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

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