



Genset

| | |
|-----------------|--------------|
| Model | JHK5-470GF |
| Voltage | 230/400V |
| Frequency&Speed | 50HZ;1500RPM |
| Prime Power | 376kW/470kVA |
| Standby Power | 400kW/500kVA |

Compression Ratio: 23:1

Bore: 135 mm

Stroke: 169 mm

Emission Certification:

Governor Regulation: $\leq 3\%$

➤ **Engine: Cummins M15-G7**

➤ **Alternator: Stamford/Leroy**

Somer/Hengsheng

➤ **Controller: DeepSea/SmartGen/
DEIF/ComAp**

Aspiration: Turbocharged & Charge Air Cooled

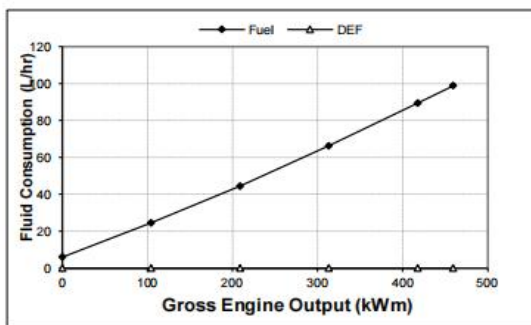
Displacement 14.5L

No. of Cylinders 6

Fuel System XPI

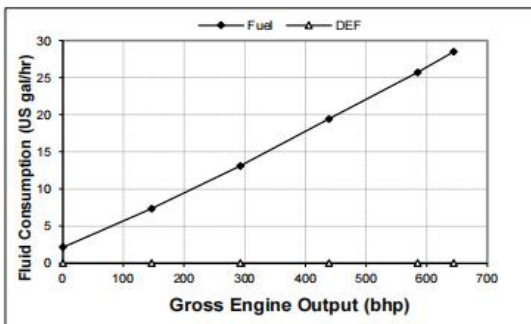
Engine Fluid Consumption @ 1500 rpm

| Output Power | | | Fuel | | | | DEF |
|------------------|-----|-----|-----------|-----------|------|-----------|------|
| % | kWm | bhp | kg/kWm-hr | lb/bhp-hr | L/hr | US gal/hr | L/hr |
| Standby Power | | | | | | | |
| 100 | 459 | 616 | 0.183 | 0.301 | 99 | 26.1 | N/A |
| Prime Power | | | | | | | |
| 100 | 418 | 560 | 0.182 | 0.299 | 89 | 23.6 | 0.0 |
| 75 | 313 | 420 | 0.180 | 0.296 | 66 | 17.5 | 0.0 |
| 50 | 209 | 280 | 0.181 | 0.297 | 44 | 11.7 | 0.0 |
| 25 | 104 | 140 | 0.200 | 0.329 | 25 | 6.5 | 0.0 |
| Continuous Power | | | | | | | |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |



Engine Fluid Consumption @ 1800 rpm

| Output Power | | | Fuel | | | | DEF |
|------------------|-----|-----|-----------|-----------|------|-----------|--------|
| % | kWm | bhp | kg/kWm-hr | lb/bhp-hr | L/hr | US gal/hr | gal/hr |
| Standby Power | | | | | | | |
| 100 | 480 | 644 | 0.191 | 0.314 | 108 | 28.5 | N/A |
| Prime Power | | | | | | | |
| 100 | 436 | 585 | 0.190 | 0.312 | 97 | 25.7 | 0.0 |
| 75 | 327 | 439 | 0.191 | 0.314 | 74 | 19.4 | 0.0 |
| 50 | 218 | 293 | 0.193 | 0.318 | 50 | 13.1 | 0.0 |
| 25 | 109 | 146 | 0.217 | 0.357 | 28 | 7.3 | 0.0 |
| Continuous Power | | | | | | | |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |



Alternator

Pole No. 4-Pole

Exciter Type Single bearing, Brushless,
Self-excited

Power factor 0.8

Voltage adjust range $\leq 5\%$

Insulation Grade H

Protection Grade IP23/22

Phase / wire 3 phase 4 wires

- ✧ 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 drip-proof 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.

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:3500*1380*2000mm
Weight:3800kg



Dimension:4000*1700*2000mm
Weight:5700kg
Fuel Tank Capacity:680L

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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