



Genset

| | |
|-----------------|--------------|
| Model | JHK5-180GF |
| Voltage | 230/400V |
| Frequency&Speed | 50HZ;1500RPM |
| Prime Power | 145kW/180kVA |
| Standby Power | 160kW/200kVA |

Compression Ratio: 17.3:1
 Bore 114mm
 Stroke 135mm
 Emission Certification:
 Governor Regulation: $\cong 3\%$

➤ **Engine: Cummins 6CTA8.3-G1/2**

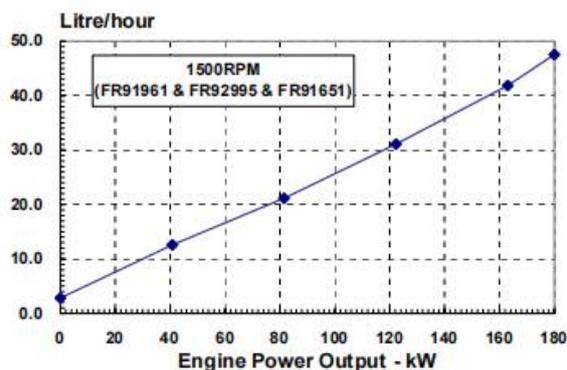
➤ **Alternator: Stamford/Leroy Somer/
Hengsheng**

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

Aspiration: Turbocharger&Aftercooled
 Displacement 8.3L
 No. of Cylinders 6
 Fuel System FR91961:BYC PB/GAC
 FR92995:BYC PB/SEGMA
 FR91651:BYC PB/FORTRUST

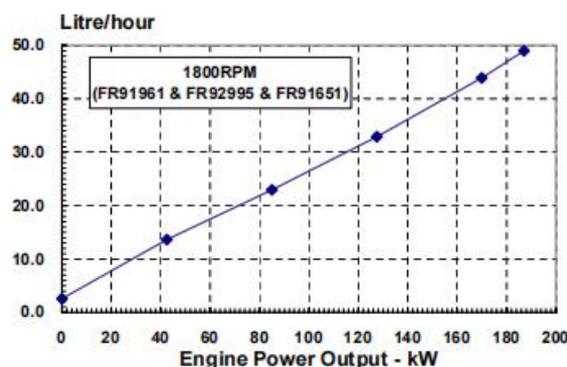
Engine Performance Data @ 1500 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|-------------------------|-----|-----|------------------|-----|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 180 | 241 | 218 | 48 |
| PRIME POWER | | | | |
| 100 | 163 | 218 | 212 | 42 |
| 75 | 122 | 164 | 210 | 31 |
| 50 | 82 | 109 | 214 | 21 |
| 25 | 41 | 55 | 255 | 13 |
| CONTINUOUS POWER | | | | |
| 100 | 133 | 178 | 211 | 34 |



Engine Performance Data @ 1800 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|-------------------------|-----|-----|------------------|-----|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 187 | 251 | 216 | 49 |
| PRIME POWER | | | | |
| 100 | 170 | 228 | 213 | 44 |
| 75 | 128 | 171 | 213 | 33 |
| 50 | 85 | 114 | 223 | 23 |
| 25 | 43 | 57 | 265 | 14 |
| CONTINUOUS POWER | | | | |
| TBD | TBD | TBD | TBD | TBD |



Alternator

Pole No. 4-Pole
 Exciter Type Single bearing, Brushless, Self-excited
 Power factor 0.8
 Voltage adjust range $\cong 5\%$
 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:2400*1050*1600mm
Weight:1600kg

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:3300*1300*1800mm
Weight:2650kg
Fuel Tank Capacity:360L

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

Jiangsu Jianghao Generator Co.,Ltd

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