



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: $\leq 3\%$

➤ Engine: Cummins 6CTA8.3-G1/2

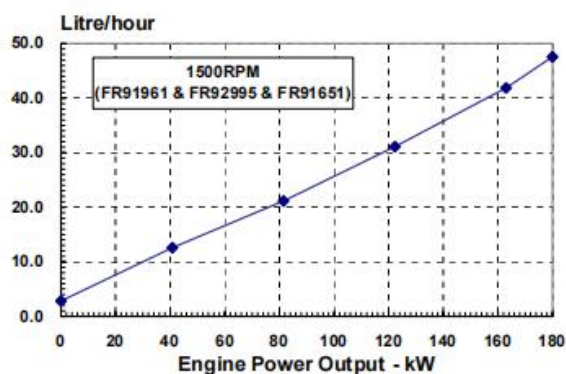
➤ Alternator: Stamford/Leroy Somer/
Hengsheng

➤ 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

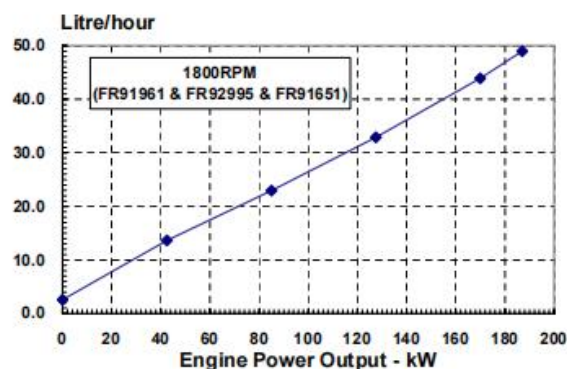
Engine Performance Data @ 1500 RPM

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 $\leq 5\%$
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: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)

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging



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

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