



Genset

Model	JHK5-512GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	410kW/512kVA
Standby Power	450kW/563kVA

Compression Ratio: 23:1

Bore: 159 mm

Stroke: 159 mm

Emission Certification:

Governor Regulation: $\leq 3\%$

➤ **Engine: Cummins M15-G8**

➤ **Alternator: Stamford/Leroy Somer**

/Hengsheng

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

/ComAp

Aspiration: Turbocharged&Charge Air Cooled

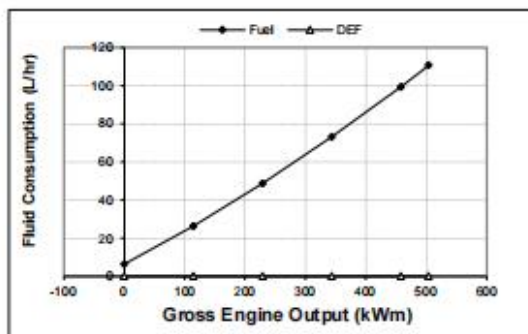
Displacement 14.5L

No.of Cylinders 6

Fuel System XPI

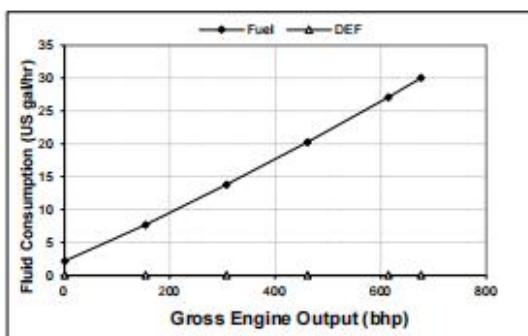
Engine Fluid Consumption @ 1500 rpm

Output Power			Fuel				DEF
%	kWm	bhp	kg/kWm-hr	lb/bhp-hr	L/hr	US gal/hr	L/hr
Standby Power							
100	504	676	0.187	0.307	111	29.2	N/A
Prime Power							
100	458	614	0.184	0.303	99	26.2	0.0
75	344	461	0.181	0.298	73	19.3	0.0
50	229	307	0.181	0.297	49	12.8	0.0
25	115	154	0.195	0.321	26	6.9	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	504	676	0.192	0.315	114	30.0	N/A
Prime Power							
100	458	614	0.190	0.313	103	27.1	0.0
75	343	461	0.190	0.312	77	20.2	0.0
50	229	307	0.194	0.318	52	13.8	0.0
25	114	154	0.216	0.355	29	7.7	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 upto 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 pitchwindings 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:4300*2000*2250mm
Weight:6000kg
Fuel Tank Capacity:850L

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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