



➤ **Engine: Cummins 6ZTAA13-G4**

➤ **Alternator: Stamford/Leroy**

Somer/Hengsheng

➤ **Controller: DeepSea/SmartGen/**

DEIF/ComAp

Genset

Model	JHK-438GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	350kW/438kVA
Standby Power	380kW/475kVA

Compression Ratio: 17:1

Bore: 130 mm

Stroke: 163 mm

Emission Certification:

Governor Regulation: $\leq 3\%$

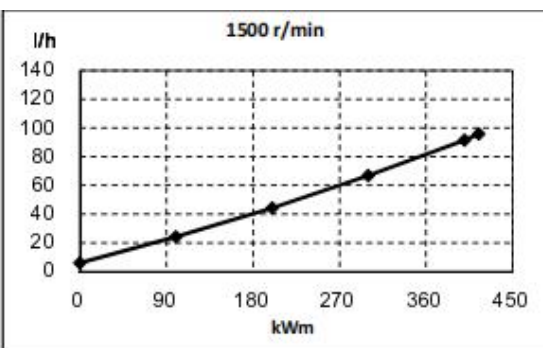
Aspiration: Turbocharged&Charge Air Cooled

Displacement 13 L

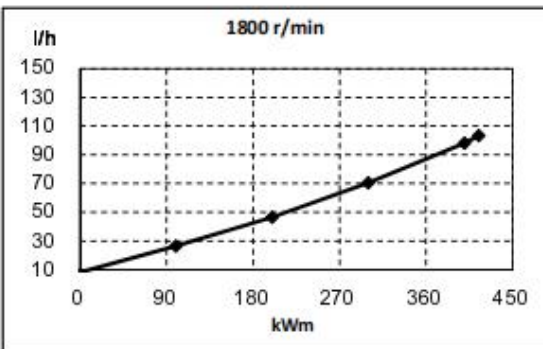
No. of Cylinders 6

Fuel System BYC PD/GAC

Engine Fuel Consumption @1500 r/min						
OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	lb/bhp.h	g/kW.h	gal/h	l/h
Standby Power						
100	557	415	0.319	194	363	95.8
Prime Power						
100	537	400	0.316	192	347	91.4
75	403	300	0.308	187	253	66.8
50	268	200	0.306	186	168	44.3
25	134	100	0.334	203	92	24.2
Continuous Power						
100	470	350	0.311	189	298	78.8



Engine Fuel Consumption @1800 r/min						
OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	lb/bhp.h	g/kW.h	gal/h	l/h
Standby Power						
100	557	415	0.344	209	391	103.3
Prime Power						
100	537	400	0.339	206	372	98.1
75	403	300	0.324	197	267	70.4
50	268	200	0.321	195	176	46.4
25	134	100	0.363	221	100	26.3
Continuous Power						
100	470	350	0.329	200	316	83.3



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 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.

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:3200*1370*1900mm
Weight:3200kg

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:4000*1700*2000mm
Weight:5100kg
Fuel Tank Capacity:680L

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