



Genset

Model	JHKQ5-438GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	350kW/438kVA
Standby Power	375kW/468kVA

Compression Ratio: 17:1

Bore: 130mm

Stroke: 163mm

Emission Certification:

Governor Regulation: $\leq 1\%$

➤ Engine: Cummins QSZ13-G2

➤ Alternator: Stamford/Leroy

Somer/Hengsheng

➤ Controller: DeepSea/SmartGen/

DEIF/ComAp

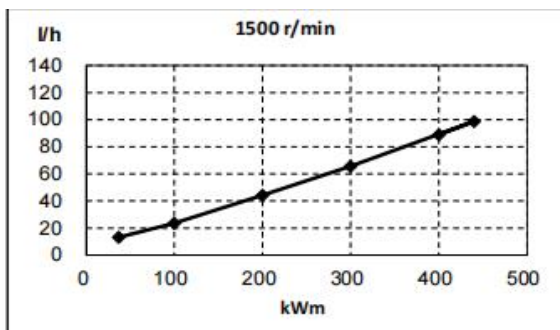
Aspiration: Turbocharged & Charge Air Cooled

Displacement 13L

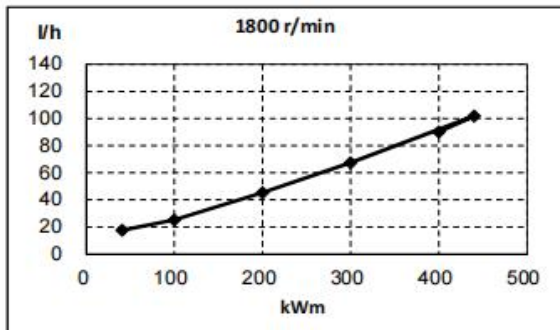
No. of Cylinders 6

Fuel System HPCR

Engine Fuel Consumption @1500 r/min						
OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kW	Ib/bhp. h	g/kWh	gal/h	l/h
Standby Power						
100	589	440	0.317	193	26.1	98.7
Prime Power						
100	536	400	0.314	191	23.4	88.8
75	402	300	0.309	188	17.3	65.6
50	268	200	0.313	190	11.7	44.2
25	134	100	0.334	203	6.2	23.6
continuous Power						
100	455	340	0.311	189	19.7	74.7



Engine Fuel Consumption @1800 r/min						
OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kW	Ib/bhp. h	g/kWh	gal/h	l/h
Standby Power						
100	589	440	0.327	199	26.9	101.8
Prime Power						
100	536	400	0.319	194	23.8	90.2
75	402	300	0.317	193	17.8	67.3
50	268	200	0.321	195	12.0	45.3
25	134	100	0.357	217	6.7	25.2
continuous Power						
100	455	340	0.317	193	20.1	76.3



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 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:3200*1370*1900mm
Weight:3200kg



Dimension:4000*1700*2000mm
Weight:5200kg
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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