



Genset

Model	JHK5-450GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	360kW/450kVA
Standby Power	400kW/500kVA

Compression Ratio: 13.9:1

Bore: 159 mm

Stroke: 159 mm

Emission Certification:

Governor Regulation: $\leq 3\%$

➤ Engine: Cummins KTA19-G3

➤ Alternator: Stamford/Leroy

Somer/Hengsheng

➤ Controller: DeepSea/SmartGen/

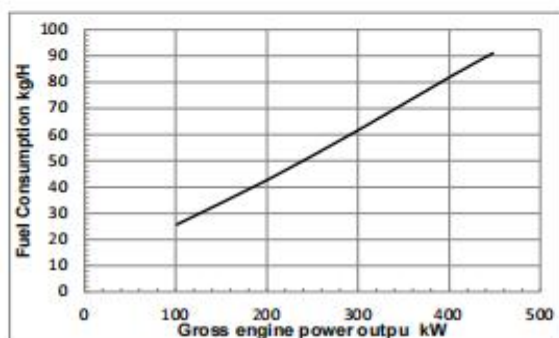
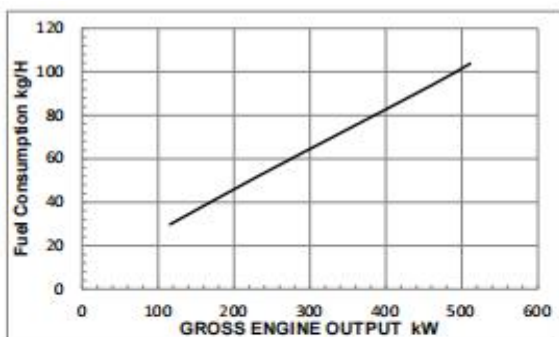
DEIF/ComAp

Aspiration: Turbocharged&Aftercooled

Displacement 19L

No. of Cylinders 6

Fuel System Cummins PT



OUTPUT POWER			CONSUMPTION		BFSC	
%	BHP	kW	Lb/h	kg/h	g/kW.h	Lb/BHP.h
1800RPM						
STANDBY						
100	685	511	229	104	203	0.334
PRIME						
100	620	463	208	94	204	0.335
75	465	347	161	73	211	0.347
50	310	232	115	52	224	0.370
25	155	116	66	30	257	0.424
CONTINUOUS						
100	520	388	177	80	207	0.341
1500RPM						
STANDBY						
100	600	448	201	91	203	0.334
PRIME						
100	540	403	182	82	205	0.337
75	405	302	137	62	205	0.338
50	270	202	95	43	213	0.351
25	135	101	57	26	254	0.419
CONTINUOUS						
100	475	354	159	72	204	0.335

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:3500*1380*2000mm
Weight:3800kg



Dimension:4000*1700*2000mm
Weight:5700kg
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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