



Genset

Model	JHK5-1875GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	1500kW/1875kVA
Standby Power	1600kW/2000kVA

Compression Ratio: 14.7:1

Bore: 159 mm

Stroke: 159 mm

Emission Certification:

Governor Regulation: $\leq 3\%$

Aspiration: Turbocharged<A

Displacement 50.3L

No.of Cylinders 16

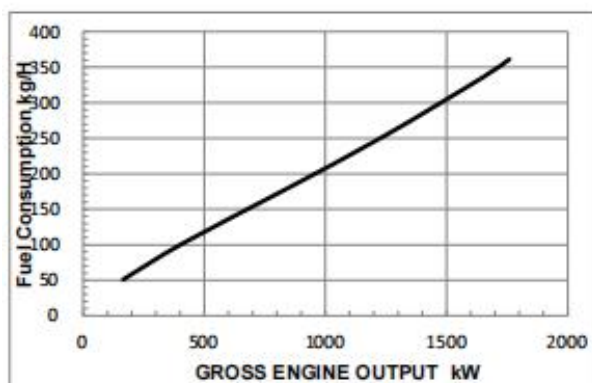
Fuel System Cummins PT

➤ Engine: Cummins KTA50-G16A

➤ Alternator: Stamford/Leroy Somer
/Hengsheng

➤ Controller: DeepSea/SmartGen
/DEIF/ComAp

FUEL CONSUMPTION



OUTPUT POWER			CONSUMPTION		BFSC	
%	BHP	kW	Lb/h	kg/h	g/kW.h	Lb/BHP.h
1500RPM						
STANDBY						
100	2360	1760	796	361	205	0.337
PRIME						
100	2213	1650	741	336	204	0.335
75	1659	1238	556	252	204	0.335
50	1106	825	388	176	213	0.351
25	553	413	225	102	247	0.407
10	221	165	112	51	309	0.508
CONTINUOUS						
100	1770	1320	589	267	202	0.333

FUEL SYSTEM

Fuel Injection System..... Direct Injection Cummins PT

Maximum allowable Restriction to PT Fuel Pump

With Clean Fuel Filter —in.Hg(kPa)..... 4 (13.5)

With Dirty Fuel Filter —in.Hg(kPa)..... 8 (27.1)

Maximum Fuel Supply at Rated Power and Speed —lb/h(kg/h)..... 1171 (531)

Maximum Allowable Injector Return Line Restriction

With Check Valves —in.Hg(kPa)..... 6.5 (22.0)

Less Check Valves —in.Hg(kPa)..... 2.5 (8.5)

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:5600*2200*2800mm
Weight:12000kg

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:12000*2400*2900mm
Weight:15800kg
Fuel Tank Capacity:1000-3000L

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