



Genset

Model	JHK5-650GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	NA/NA
Standby Power	520kW/650kVA

➤ Engine: Cummins KTA19-G8

➤ Alternator: Stamford/Leroy Somer
/Hengsheng

➤ Controller: DeepSea/SmartGen/DEIF
/ComAp

GENERALENGINE DATA

Type.....	4 Cycle , In-line , 6 Cylinder	
Aspiration.....	Turbocharged , Aftercooled	
Bore— in. (mm) × stroke— in. (mm)	6.25 × 6.25	(159 × 159)
Displacement— $\text{in}^3 (\text{L})$	1150	(19)
Compression Ratio.....	13.9:1	
Dry Weight		
Fan Hub to Flywheel Engine — lb (kg)	3725	(1690)
Radiator Cooled Engine — lb (kg)	5900	(2676)
Wet Weight		
Fan Hub to Flywheel Engine — lb (kg)	3880	(1760)
Radiator Cooled Engine — lb (kg)	6300	(2858)
Moment of Inertia of Rotating Components (Excluding Flywheel) — $\text{lb}_m \text{ft}^2 (\text{kg} \cdot \text{m}^2)$	43	(1.82)
· With FW 4001 Flywheel — $\text{kg} \cdot \text{m}^2 (\text{lb}_m \text{ft}^2)$	7.16	(170.0)
· With FW 4006 Flywheel — $\text{kg} \cdot \text{m}^2 (\text{lb}_m \text{ft}^2)$	8.39	(199.0)
C.G. Distance From Front Face of Block— in (mm)	23.6	(598)
C.G. Distance Above Crank Centerline— in (mm)	9	(229)
Maximum Allowable Bending Moment at Rear Face of Block — $\text{N} \cdot \text{m (lb. ft)}$	2000	(907)
Firing Order.....	1-5-3-6-2-4	

FUEL SYSTEM

Fuel Injection System.....	Cummins PT	
Maximum Fuel Consumption at Maximum Rated Output and Speed —lb/h(kg/h).....		
Maximum allowable Restriction to PT Fuel Pump		
With Clean Fuel Filter —in.Hg(kPa).....	4	(13.55)
With Dirty Fuel Filter —in.Hg(kPa).....	9	(30.48)

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*1400*2100mm
Weight:4200kg

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:4700*2100*2400mm
Weight:7100kg
Fuel Tank Capacity:1000L

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