



Genset

Model	JHPE-10GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	9kW/11kVA
Standby Power	12kW/15kVA

400 Series 403F-11G ElectropaK

9.8 kWm / 13.1 hp @ 1800 rpm

Building on our proven reputation within the power generation industry, the newly introduced Perkins® 400F range of ElectropaK engines is an evolution of the highly successful 400D range.

The 400F range of ElectropaKs has been designed to fully comply with the latest EPA Tier 4 Final emissions legislation in North America.

For customers, these ElectropaKs provide compact power from a robust family of 3 and 4 cylinder diesel engines, optimised to provide economic, durable and quiet operation demanded by the power generation industry.



- **Engine: Perkins 403F-11G**
- **Alternator: Stamford/Leroy Somer**
/Hengsheng
- **Controller: DeepSea/SmartGen**
/DEIF/ComAp

Emissions statement

Constant Speed engines for use in Industrial, IOPU and ElectropaK applications: Certified against the requirements of US EPA Tier 4 Final (40 CFR Part 60 for stationary applications and 40 CFR Part 1039 for mobile applications). Less than 19 kW EC certification not required.

Specification		
Number of cylinders	3 vertical in-line	
Bore and stroke	77 x 81 mm	3 x 3.2 in
Displacement	1.131 litres	69 cubic in
Aspiration	Naturally aspirated	
Cycle	4 stroke	
Combustion system	Indirect injection	
Compression ratio	23:1	
Rotation	Clockwise, viewed from front	
Total lubricating capacity	4.4 litres	1.1 US gal
Cooling system	Liquid	
Total coolant capacity	5.2 litres (with radiator)	1.4 US gal

Engine package weights and dimensions		
Length	776 mm	30.5 in
Width (including mounting brackets)	449 mm	17.6 in
Height	700 mm	27.5 in
Weight (dry)	129.2 kg	284.8 lb

Features and benefits

Ultra compact power

- Up to 9.8 kW (13.1 hp) from an engine envelope of 0.24 cubic metres (8.48 cubic ft)
- Easy installation

Clean and quiet

- Noise levels have been kept to a minimum
- Subjective harshness has been carefully controlled making the engine sound even quieter

Durable and reliable

- Product design and process improvements enhance both engine reliability and durability
- The introduction of a simple electronic governor system gives customers the flexibility of electronic machine integration if needed

Low operating costs

- Aligned oil and filter changes at 500 hours, dependent on load factor
- Engine durability and reliability and ease of installation combine to drive down the cost of ownership

Product support

- With highly trained Perkins distributors in thousands of communities in over 180 countries, you are never far away from expert product knowledge, genuine parts and a range of advanced diagnostic technology for keeping your engine in peak condition
- Warranties and Service Contracts
We provide one-year warranties for constant speed engines. These are supported by multi-level Extended Service Contracts (ESC) that can be bought additionally through your local Perkins Distributor
To find your local distributor: www.perkins.com/distributor

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1800	Prime power	11.2	9.0	9.8	13.1	9.6	12.9
	Standby power	12.4	9.9	9.8	13.1	9.6	12.9

Power output for a run-in engine after 60 hours

The above ratings represent the engine performance capabilities to conditions specified in ISO 3046/1:2002 standard reference conditions. Derating may be required for conditions outside these; consult Perkins Engines Company Limited.

Generator powers are typical and are based on typical alternator efficiencies and a power factor (cos θ) of 0.8. Fuel specification: EPA Part 1065.703 ULSD or EU 2004/26/EC Stage 3B/4.

Rating definitions: Prime power: Power available at variable load in lieu of a main power network. Zero overload capacity. Standby (maximum): Power available at variable load in the event of a main power network failure. No overload is permitted.

Percent of prime power	Fuel consumption at 1800 rpm g/kWh	Fuel consumption at 1800 rpm l/hr
100%	255	2.8

Alternator

Pole No.	4-Pole
Exciter Type	Single bearing, Brushless, Self-excited
Power factor	0.8
Voltage adjust range	\cong 5%
Insulation Grade	H
Protection Grade	IP23/22
Phase / wire	3 phase 4 wires

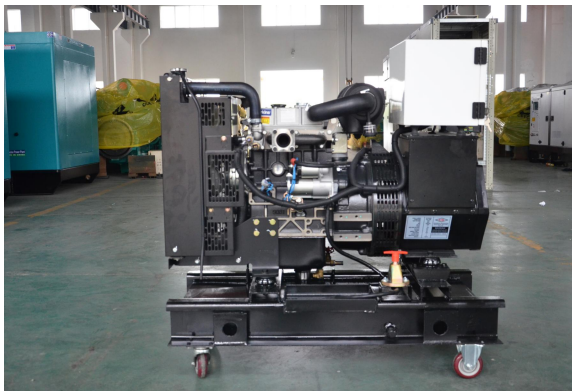
- ✧ NEMAMG1.JIANGHAO, and ANSI standards compliance for temperature rise and motor starting.
- ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field.
- ✧ Self-ventilated and drip-proof construction.
- ✧ Superior voltage waveform from two-thirds pitch windings and skewed stator.
- ✧ Digital solid-state.

Control Panel



The control module gives digital readouts of:

- Generator voltage;
- Output frequency;
- Engine speed;
- Battery voltage;
- Engine hours run.



Dimension:1100*650*1050mm
Weight:300kg



Dimension:2200*1000*1550mm
Weight:850kg
Fuel Tank Capacity:180L

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

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

Jiangsu Jianghao Generator Co.,Ltd

Address: No.1 Xixu Road, Medical High-tech Zone,
Taizhou city, Jiangsu, China

Contact Person: Anthony Feng

Email: jhfsale@jhgenerator.com

WhatsApp: +86 18652649673

