



## Genset

Model	JHP-180GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	180kW/225kVA
Standby Power	215kW/268kVA

### Emissions

EU Stage IIIA.

➤ **Engine: Perkins 1206D-E70TTAG1**

➤ **Alternator: Stamford/Leroy Somer  
/Hengsheng**

➤ **Controller: DeepSea/SmartGen  
/DEIF/ComAp**

## Specification

Number of cylinders	6 vertical in-line	
Bore and stroke	105 x 135 mm	4.13 x 5.3 in
Displacement	7.01 litres	427.7 in <sup>3</sup>
Aspiration	Series turbocharged aftercooled	
Cycle	4 stroke DI	
Combustion system	Direct injection	
Compression ratio	15.8:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	13-16 litres	3.4-4.2 US gal
Cooling system	Liquid	
Total coolant capacity	25 litres	6.6 US gal

## Features and benefits

### Dependable power

- World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life
- Series turbocharging with smart wastegate available on all ratings
- A high power density product that combine dependable power and high efficiency at the same time. Driving lower cost of ownership along with better performance

To find more, visit: [www.perkins.com/powerdensity](http://www.perkins.com/powerdensity)

### Flexibility

- Tropical radiator is supplied as standard

### Lifetime of low cost

- Fuel consumption optimized prime power and continuous running applications. No additional fluids or additives are required which lowers operating costs
- Hydraulic tappets, multi-vee belts and 500-hour oil change intervals enable low-cost maintenance
- Perkins Platinum Protection – there is also an option to buy a Perkins Platinum Protection policy to cover you beyond the standard warranty period.

Discover more: [https://www.perkins.com/en\\_GB/aftermarket/perkins-platinum-protection.html](https://www.perkins.com/en_GB/aftermarket/perkins-platinum-protection.html)

### Local support, global coverage

- Perkins recognise that the customer relationship is important to machine manufacturers and we can offer a range of flexible solutions to help provide appropriate support, either to the OEM's network or directly to the machine customer
- Perkins information systems enable our distributors to quickly diagnose engine faults and identify the right parts. The Perkins logistics operation is able to dispatch more than 45,000 different parts from stock, reaching the customer within 24 hours
- To find your local distributor: [www.perkins.com/distributor](http://www.perkins.com/distributor)

## Technical information

### Air inlet

- Standard air cleaners

### Control system

- Full electronic control system
- All connectors and wiring looms waterproof and designed to withstand harsh environments
- Flexible and configurable software features and well supported SAE J1939 CAN bus enables highly integrated machines

### Cooling system

- Tropical radiator as standard ensures optimal cooling performances all year round in any state
- 50:50 water glycol mix

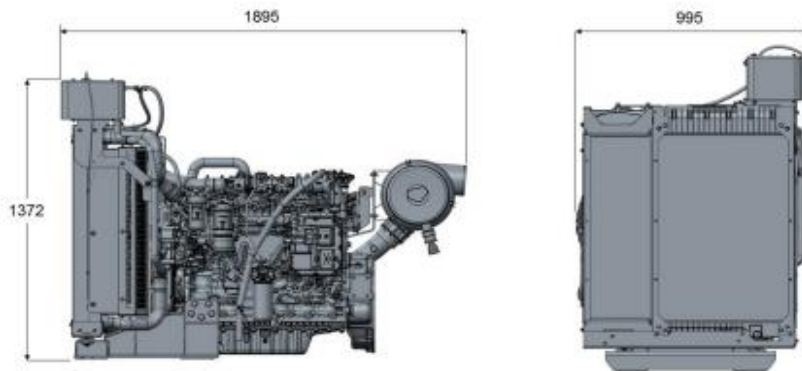
### Flywheels and flywheel housing

- SAE2 flywheel housing

### Fuel and fuel system

- Electronic high pressure common rail
- Innovative filter design – ensures maximum protection of the engine
- Flat bottomed, isolated, aluminium sump

## Dimensions



Engine package weights and dimensions		
Length (including air filter)	1895 mm	74.6 in
Width	995 mm	39.2 in
Height	1372 mm	54.0 in
Weight (dry)	807.7 kg	1780.7 lb

## 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:2800\*1000\*1800mm  
Weight:1800kg

**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:4000\*1700\*2000mm  
Weight:3700kg  
Fuel Tank Capacity:680L

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