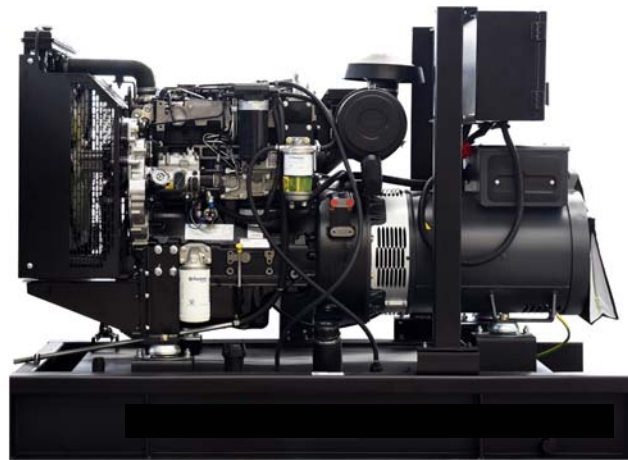


MODEL: HC-14GF

400V | 1500rpm | 50Hz



ESP Standby Power	13.75 kVA	PRP Prime Power	12.5 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	403A-15G2		SOL1-L1

GENERAL FEATURES

Engine: Perkins 403A-15G2

Alternator: single bearing, IP23, insulation class H

50°C radiator, fans are driven by belt, with safety guard

Dry type air filter, fuel filter & oil filter

Vibration damper

Standard control panel

24V charging alternator

Exhaust bellows, elbows, flange & muffler

Lead-acid batteries, rack and cables

User manual

MODEL: HC-14GF**400V | 1500rpm | 50Hz****GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	18	11kW/13.75kVA	10kW/12.5kVA
415/240	50	3	0.8	19	11kW/13.75kVA	10kW/12.5kVA
400/230	50	3	0.8	20	11kW/13.75kVA	10kW/12.5kVA
380/220	50	3	0.8	21	11kW/13.75kVA	10kW/12.5kVA

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO 8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

SALES PROMISES

HiChai Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: One year after installation or 1000 running hours (accumulated), whichever comes first.

Service and parts are available from HiChai Power or distributors in your location.

MODEL: HC-14GF**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 403A-15G2
Air intake system	Natural aspirated
Fuel system	Indirect Injection
Cylinder arrangement	3 in line
Displacement	1.496L
Bore and stroke	84×90 mm
Compression ratio	22.5:1
Rated speed	1500rpm
Max. Standby power at rated speed	15.1KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	2.2 m ³ /min
Exhaust temperature	580°C
Max back pressure	10.2kPa

Air Intake System

Max intake restriction	6.4kPa
Combustion air flow	1 m ³ /min
Air flow required for radiator	41.4 m ³ /min



MODEL: HC-14GF **400V | 1500rpm | 50Hz**

Fuel System

Fuel consumption @ 100% (Prime Power) Load	260g/kWh	3.8L/h
Fuel consumption @ 75% (Prime Power) Load	251g/kWh	2.7L/h
Fuel consumption @ 50% (Prime Power) Load	271g/kWh	1.9L/h

Oil System

Total oil capacity	6L
Oil consumption as a percentage of full load fuel consumption less than	N/A
Oil sump capacity	4.5-6L

Cooling System

Coolant capacity	6L
Max water temperature	112°C

MODEL:HC-14GF**400V | 1500rpm | 50Hz**

ALTERNATOR SPECIFICATION

Industrial alternators meet the requirements of the relevant parts of the BS5000, VDE 0530, NEMA MG1-22, IEC34, CSA 22.2-100 and AS1359.

Alternator Data

Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Number of Bearing	1
Power Factor	0.8
Protection Class	IP23
Altitude	≤1000m
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	<50
THF	<2%
Alternator Capacity	12.5kVA
Alternator Efficiency	82.1%

MODEL: HC-14GF

400V | 1500rpm | 50Hz

GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
Steady-state voltage deviation	$\leq \pm 1\%$
Transient voltage deviation (100 % sudden power decrease)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

STANDARD FEATURES

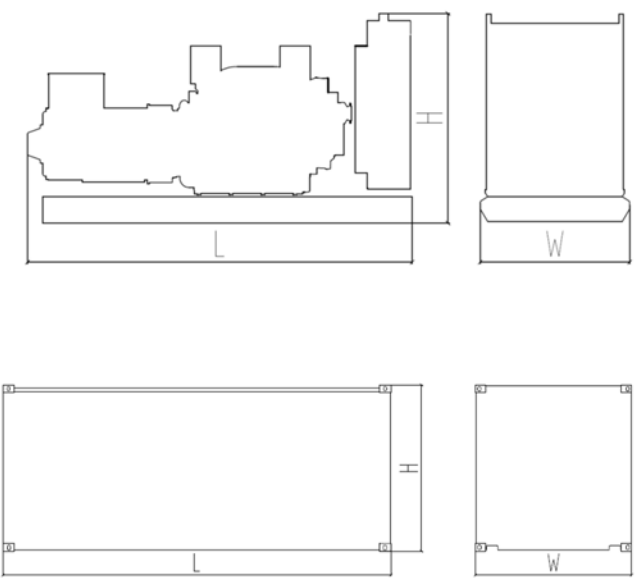
Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
Base fuel tank		

MODEL: HC-14GF **400V | 1500rpm | 50Hz**

OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

DIMENSIONS & WEIGHT



Standard Configuration (open type)
Overall Dimensions: 1250×500×1100 mm
Weight: 350 kg
Soundproof Type
Overall Dimensions: 1710×880×1350 mm
Weight: 750 kg

Specifications are subject to change without notice.