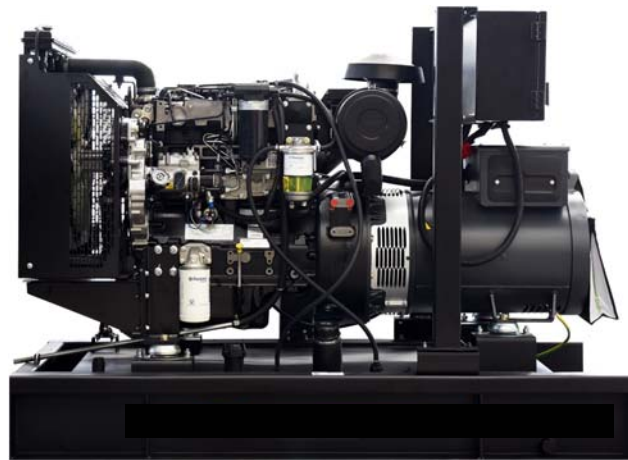


MODEL: HC-22GF **400V | 1500rpm | 50Hz**



ESP Standby Power	22 kVA	PRP Prime Power	20 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	404D-22G		SOL2-G1

GENERAL FEATURES

Engine: Perkins 404D-22G	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-22GF**400V | 1500rpm | 50Hz****GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	29	17.6kW/22kVA	16kW/20kVA
415/240	50	3	0.8	31	17.6kW/22kVA	16kW/20kVA
400/230	50	3	0.8	32	17.6kW/22kVA	16kW/20kVA
380/220	50	3	0.8	33	17.6kW/22kVA	16kW/20kVA

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-22GF**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 404D-22G
Air intake system	Natural aspirated
Fuel system	Indirect Injection
Cylinder arrangement	4 in line
Displacement	2.216L
Bore and stroke	84×100 mm
Compression ratio	23.3:1
Rated speed	1500rpm
Max. Standby power at rated speed	20.6KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	3.94 m ³ /min
Exhaust temperature	505°C
Max back pressure	10.2kPa

Air Intake System

Max intake restriction	6.4kPa
Combustion air flow	1.45 m ³ /min
Air flow required for radiator	40.2 m ³ /min

MODEL: HC-22GF

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	237 g/kWh	5.3 L/h
Fuel consumption @ 75% (Prime Power) Load	238 g/kWh	3.9 L/h
Fuel consumption @ 50% (Prime Power) Load	258 g/kWh	2.9 L/h

Oil System

Total oil capacity	10.6L
Oil consumption as a percentage of full load fuel consumption less than	N/A
Oil sump capacity	8.9-10.6L

Cooling System

Coolant capacity	7L
Max water temperature	112°C

MODEL: HC-22GF**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	20kVA
Alternator Efficiency	85.3%

MODEL: HC-22GF

400V | 1500rpm | 50Hz

GENERATING SET DATA

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

STANDARD FEATURES

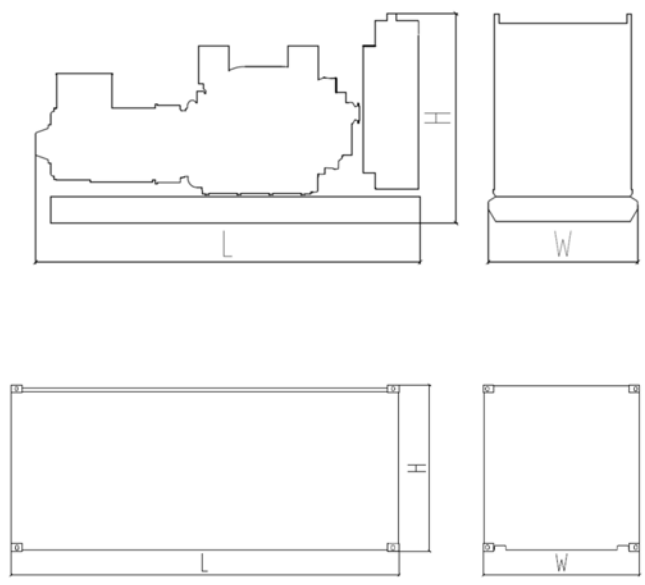
Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
Base fuel tank		

MODEL: HC-22GF **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: 1470×690×1320 mm
Weight: 430 kg
Soundproof Type
Overall Dimensions: 1910×880×1450 mm
Weight: 1000 kg

Specifications are subject to change without notice.