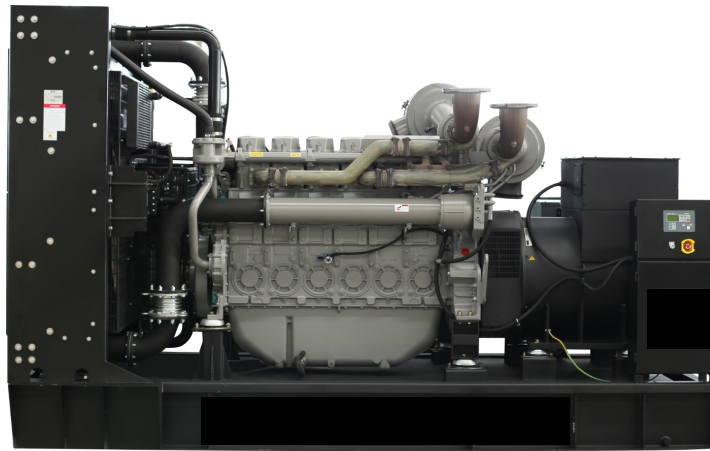


MODEL: HC-825GF

400V | 1500rpm | 50Hz



ESP Standby Power	825 kVA	PRP Prime Power	750 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	4006-23TAG2A		S5L1D-H4

GENERAL FEATURES

Engine: Perkins 4006-23TAG2A	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-825GF**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	1083	660kW/825kVA	600kW/750kVA
415/240	50	3	0.8	1148	660kW/825kVA	600kW/750kVA
400/230	50	3	0.8	1191	660kW/825kVA	600kW/750kVA
380/220	50	3	0.8	1253	660kW/825kVA	600kW/750kVA

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.

Comprehensive Solutions For

POWER GENERATION

MODEL: HC-825GF

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model Perkins 4006-23TAG2A

Air intake system Turbocharged

Fuel system Direct Injection

Cylinder arrangement 6 in line

Displacement 22.92L

Bore and stroke 160×190 mm

Compression ratio 13.6:1

Rated speed 1500rpm

Max. Standby power at rated speed 721kW

Governor type Electronic

Exhaust System

Exhaust gas flow 180 m³/min

Exhaust temperature 430°C

Max back pressure 6.1kPa

Air Intake System

Max intake restriction 3.8kPa

Combustion air flow 71 m³/min

Air flow required for radiator 800 m³/min

Comprehensive Solutions For

POWER GENERATION

MODEL: HC-825GF

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	210 g/kWh	161 L/h
Fuel consumption @ 75% (Prime Power) Load	213 g/kWh	123 L/h
Fuel consumption @ 50% (Prime Power) Load	218 g/kWh	86 L/h

Oil System

Total oil capacity	113L
Oil consumption as a percentage of full load fuel consumption less than	0.25%(As a percentage of fuel consumption)
Oil sump capacity	90.7-113L

Cooling System

Coolant capacity	105L
Max water temperature	98°C

MODEL: HC-825GF**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	750kVA
Alternator Efficiency	94.6%

MODEL: HC-825GF**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

MODEL: HC-825GF

400V | 1500rpm | 50Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

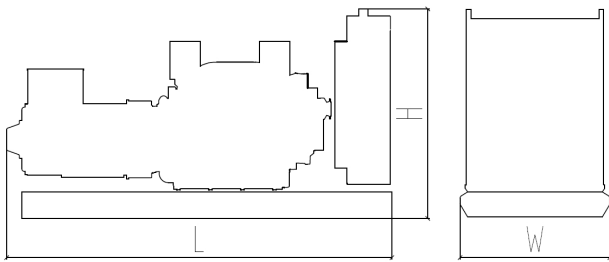
Spare parts

Trailer type

Switch box

Automatic transfer switch

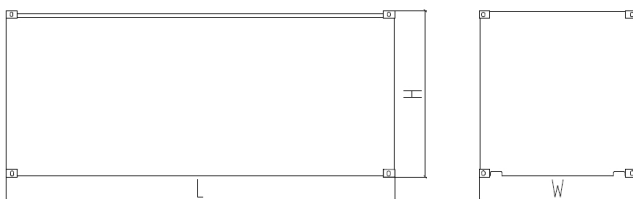
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 3965×1710×2200 mm

Weight: 5480 kg



Soundproof Type

Overall Dimensions: 5800×1800×2550 mm

Weight: 7530 kg

Specifications are subject to change without notice.