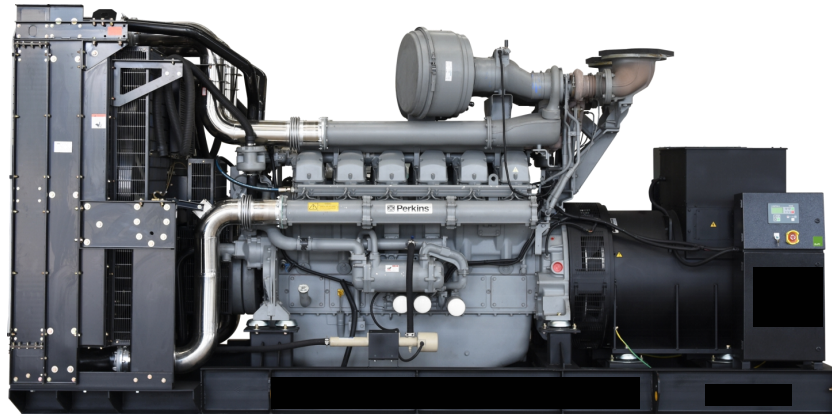


MODEL: HC-2000GF

400V | 1500rpm | 50Hz



ESP Standby Power	2000 kVA	PRP Prime Power	1850 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	4016TAG1A		S7L1D-F4

GENERAL FEATURES

Engine: Perkins 4016TAG1A	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-2000GF**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	2624	1600kW/2000kVA	1480kW/1850kVA
415/240	50	3	0.8	2782	1600kW/2000kVA	1480kW/1850kVA
400/230	50	3	0.8	2887	1600kW/2000kVA	1480kW/1850kVA
380/220	50	3	0.8	3039	1600kW/2000kVA	1480kW/1850kVA

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-2000GF**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 4016TAG1A
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Air intake system	Turbocharged
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Fuel system	Direct Injection
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Cylinder arrangement	16 in V
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Displacement	61.123L
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Bore and stroke	160×190 mm
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Compression ratio	13.6:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	1741kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	343 m ³ /min
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Exhaust temperature	439°C
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Max back pressure	9.2kPa
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Air Intake System

Max intake restriction	3.7kPa
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Combustion air flow	140 m ³ /min
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Air flow required for radiator	2100 m ³ /min
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Comprehensive Solutions For

POWER GENERATION

MODEL: HC-2000GF

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	205 g/kWh	387 L/h
Fuel consumption @ 75% (Prime Power) Load	198 g/kWh	282 L/h
Fuel consumption @ 50% (Prime Power) Load	198 g/kWh	193 L/h

Oil System

Total oil capacity	214L
Oil consumption	0.5g/kWh
Oil sump capacity	147-214L

Cooling System

Coolant capacity	350L
Max water temperature	98°C

MODEL: HC-2000GF**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	1900kVA
Alternator Efficiency	95.8%

MODEL: HC-2000GF

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	

MODEL: HC-2000GF

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		

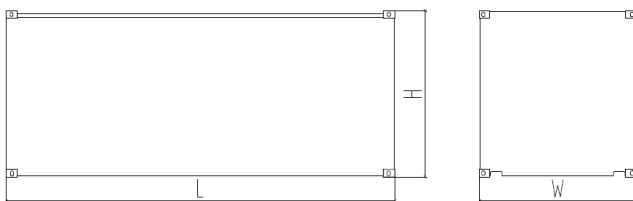
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 5875×2150×2560 mm

Weight: 13300 kg



Soundproof Type (standard 40'ft HQ container)

Overall Dimensions: 12192×2438×2896 mm

Weight: 23300 kg

Specifications are subject to change without notice.