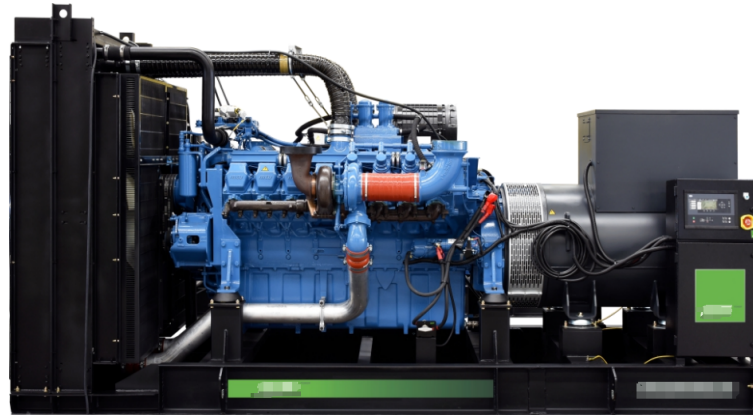


MODEL: HC-1000GF2

440V | 1800rpm | 60Hz



ESP Standby Power	1137kVA	PRP Prime Power	1025kVA
ENGINE	MTU 16V2000G45	ALTERNATOR	STAMFORD S6L1D-D4

GENERAL FEATURES

Engine: MTU 16V2000G45

Alternator: single bearing, IP23, insulation class H

40°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-1000GF2**440V | 1800rpm | 60Hz****GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	1368	910kW/1137kVA	820kW/1025kVA
460/266	60	3	0.8	1427	910kW/1137kVA	820kW/1025kVA
440/254	60	3	0.8	1492	910kW/1137kVA	820kW/1025kVA
416/240	60	3	0.8	1578	910kW/1137kVA	820kW/1025kVA

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

Baifa 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: 15 months from the date BAIFA sold to the first buyer or one year after installation or 1000 running hours (accumulated), whichever comes first.

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

Comprehensive Solutions For

POWER GENERATION

MODEL: HC-1000GF2**440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	MTU 16V2000G45
Air intake system	Turbocharged, air/air intercooling
Fuel system	Electronic Fuel Injection System
Cylinder arrangement	16 in V
Displacement	31.84L
Bore and stroke	130×150 mm
Compression ratio	16
Rated speed	1800rpm
Max. Standby power at rated speed	1007kW
Governor type	ADEC

Exhaust System

Exhaust gas flow	192 m ³ /min
Exhaust temperature	520°C
Max back pressure	8.5kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	81 m ³ /min
Air flow required for radiator	1476 m ³ /min

Comprehensive Solutions For

POWER GENERATION

MODEL: HC-1000GF2

440V | 1800rpm | 60Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	206g/kWh	221L/h
Fuel consumption @ 75% (Prime Power) Load	210g/kWh	172L/h
Fuel consumption @ 50% (Prime Power) Load	215g/kWh	122L/h

Oil System

Total oil capacity	102L
Oil consumption	0.5% of Fuel Consumption
Oil sump capacity	69-99L

Cooling System

Coolant capacity	223L
Max water temperature	102°C

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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	1063kVA
Alternator Efficiency	95.1%

MODEL: HC-1000GF2**440V | 1800rpm | 60Hz****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)	$\leq +20\%$
Transient voltage deviation (sudden power increase)	$\leq -15\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
Voltage recovery time (sudden power increase)	$\leq 4S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 0.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
Transient frequency deviation (sudden power increase)	$\leq -7\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
Frequency recovery time (sudden power increase)	$\leq 3S$

STANDARD FEATURES

Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	Fuel-Water separator
Special coolant		

MODEL: HC-1000GF2

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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: 4400×1600×2300 mm

Weight: 7000kg



Soundproof Type (standard 20'ft GP container)

Overall Dimensions: 6058×2438×2591 mm

Weight: 12000kg

Specifications are subject to change without notice.