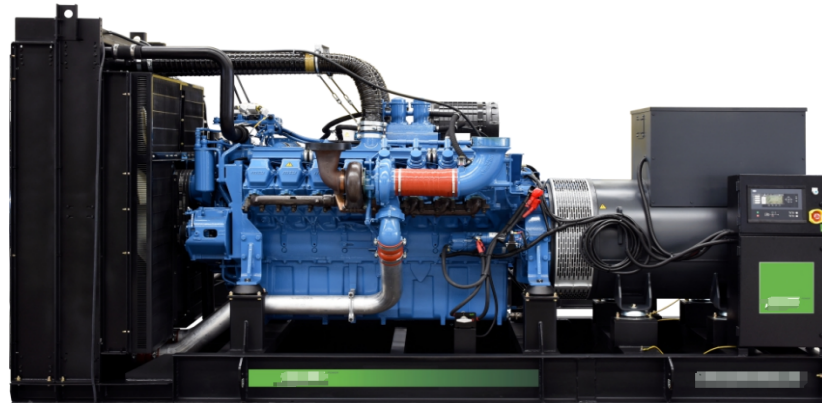


**MODEL: HC-880GF2**

**440V | 1800rpm | 60Hz**



<b>ESP</b> Standby Power	<b>1000kVA</b>	<b>PRP</b> Prime Power	<b>910kVA</b>
<b>ENGINE</b>	<b>MTU</b> <b>12V2000G85</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b> <b>S6L1D-C4</b>

### GENERAL FEATURES

Engine: MTU 12V2000G85	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

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## GENERATOR RATINGS

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	1203	800kW/1000kVA	728kW/910kVA
460/266	60	3	0.8	1255	800kW/1000kVA	728kW/910kVA
440/254	60	3	0.8	1312	800kW/1000kVA	728kW/910kVA
416/240	60	3	0.8	1388	800kW/1000kVA	728kW/910kVA

**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.

**MODEL: HC-880GF2****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	MTU 12V2000G85
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Air intake system	Turbocharged, air/air intercooling
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Fuel system	Electronic Fuel Injection System
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Cylinder arrangement	12 in V
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Displacement	23.88L
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Bore and stroke	130×150 mm
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Compression ratio	16
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Rated speed	1800rpm
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Max. Standby power at rated speed	891kW
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Governor type	ADEC
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**Exhaust System**

Exhaust gas flow	162 m <sup>3</sup> /min
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Exhaust temperature	565°C
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Max back pressure	8.5kPa
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**Air Intake System**

Max intake restriction	5kPa
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Combustion air flow	63 m <sup>3</sup> /min
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Air flow required for radiator	1080 m <sup>3</sup> /min
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Comprehensive Solutions For

**POWER GENERATION**

**MODEL: HC-880GF2**

**440V | 1800rpm | 60Hz**

**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	209g/kWh	200L/h
Fuel consumption @ 75% (Prime Power) Load	210g/kWh	153L/h
Fuel consumption @ 50% (Prime Power) Load	213g/kWh	107L/h

**Oil System**

Total oil capacity	77L
Oil consumption	0.5% of Fuel Consumption
Oil sump capacity	50-74L

**Cooling System**

Coolant capacity	176L
Max water temperature	102°C

**MODEL: HC-880GF2****440V | 1800rpm | 60Hz**

## 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	925kVA
Alternator Efficiency	94.6%

**MODEL: HC-880GF2**

**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-880GF2**

**440V | 1800rpm | 60Hz**

**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: 4060×1600×2210 mm

Weight: 6300kg



**Soundproof Type (standard 20'ft GP container)**

Overall Dimensions: 6058×2438×2591 mm

Weight: 11300kg

*Specifications are subject to change without notice.*