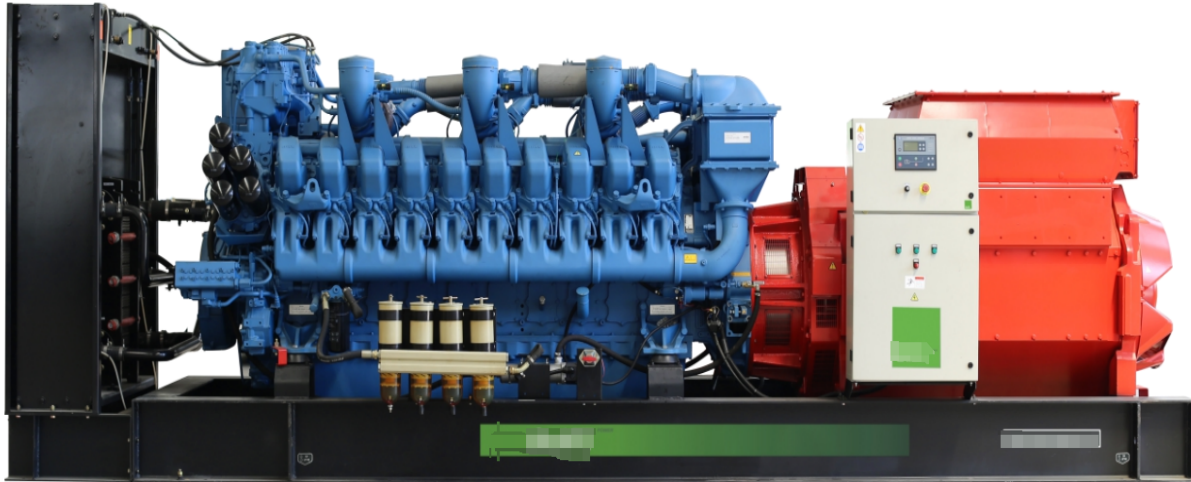


**MODEL: H C -2500GF**

**400V | 1500rpm | 50Hz**



<b>ESP</b> Standby Power	<b>3437.5 kVA</b>	<b>PRP</b> Prime Power	<b>3125kVA</b>
<b>ENGINE</b>	<b>MTU</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>20V4000G63L</b>		<b>P80 LVS1804W</b>

Engine: MTU 20V4000G63L

Alternator: single bearing, IP23, insulation class H

40°C radiator, fans are driven by motor, 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: H C -2500GF**

**400V | 1500rpm | 50Hz**

**GENERATOR RATINGS**

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings ( kW / kVA)
440/254	50	3	0.8	3936	2750/3437.5	2500/3125
415/240	50	3	0.8	4173	2750/3437.5	2500/3125
400/230	50	3	0.8	4330	2750/3437.5	2500/3125
380/220	50	3	0.8	4558	2750/3437.5	2500/3125

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 ( eqv ISO8528 ) ; 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: H C -2500GF****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model MTU/20V4000G63L

Air intake system Turbocharged, water/air inter cooling

Fuel system Electronic Fuel Injection System

Cylinder arrangement 20 in V

Displacement 95.4L

Bore and stroke 170×210 mm

Compression ratio 16.4:1

Rated speed 1500 rpm

Max. Standby power at rated speed 2662kW (without fan)

Governor type ADEC

**Exhaust System**Exhaust gas flow 486 m<sup>3</sup>/ min

Exhaust temperature 585 °C

Max back pressure 8.5 kPa

**Air Intake System**

Max intake restriction 5 kPa

Combustion air flow 180 m<sup>3</sup>/minAir flow required for radiator 3000 m<sup>3</sup>/min

Comprehensive Solutions For

**POWER GENERATION**

**MODEL: H C -2500GF**

**400V | 1500rpm | 50Hz**

**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	190 g/kWh	524 L/h
Fuel consumption @ 75% (Prime Power) Load	193 g/kWh	403 L/h
Fuel consumption @ 50% (Prime Power) Load	202 g/kWh	288 L/h

**Oil System**

Total oil capacity	390 L
Oil consumption	0.3% Fuel Consumption
Oil sump capacity	245~340L

**Cooling System**

Coolant capacity	600 L
Max water temperature	104°C

**MODEL: H C -2500GF**

**400V | 1500rpm | 50Hz**

## ALTERNATOR SPECIFICATION

### 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	3750kVA
Alternator Efficiency	96.9%

## 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

Comap 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		

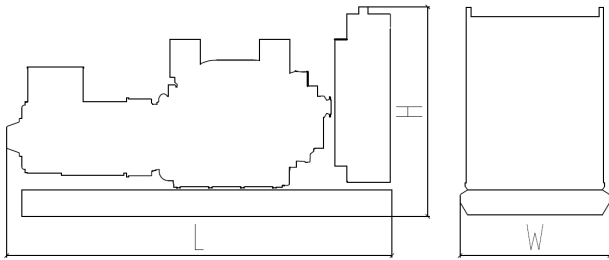
**MODEL: H C -2500GF**

**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		

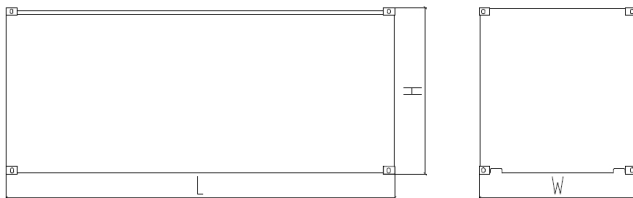
**DIMENSIONS & WEIGHT**



**Standard Configuration (open type)**

Overall Dimensions: 8000×3000×2850 mm

Weight: 20200 kg



**Soundproof Type (standard 40'ft HQ container)**

Overall Dimensions: 12192×2438×2896mm

Weight: 30200kg

*Specifications are subject to change without notice.*