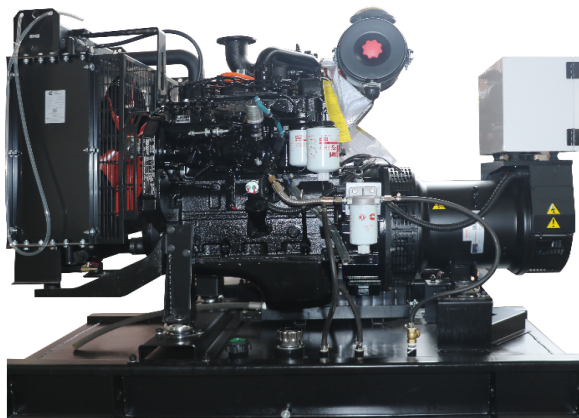


**MODEL: HC-110GF2**

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



<b>ESP</b> Standby Power	<b>132kVA</b>	<b>PRP</b> Prime Power	<b>120kVA</b>
<b>ENGINE</b>	<b>DCEC Cummins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>6BT5.9-G2</b>		<b>UCI274D1</b>

### GENERAL FEATURES

Engine: DCEC Cummins 6BT5.9-G2	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-110GF2**

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

## GENERATOR RATINGS

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	159	106kW/132kVA	96kW/120kVA
460/266	60	3	0.8	166	106kW/132kVA	96kW/120kVA
440/254	60	3	0.8	173	106kW/132kVA	96kW/120kVA
416/240	60	3	0.8	183	106kW/132kVA	96kW/120kVA

**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-110GF2****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	DCEC Cummins 6BT5.9-G2
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Air intake system	Turbocharged
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Fuel system	PB type fuel pump
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Cylinder arrangement	6 in line
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Displacement	5.9L
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Bore and stroke	102×120 mm
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Compression ratio	17.3
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Rated speed	1800rpm
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Max. Standby power at rated speed	127kW
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Governor type	Electronic
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**Exhaust System**

Exhaust gas flow	23.7 m <sup>3</sup> /min
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Exhaust temperature	580°C
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Max back pressure	10kPa
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**Air Intake System**

Max intake restriction	6kPa
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Combustion air flow	8.2 m <sup>3</sup> /min
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Air flow required for radiator	204 m <sup>3</sup> /min
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Comprehensive Solutions For

**POWER GENERATION**

**MODEL: HC-110GF2**

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

**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	213g/kWh	27.5L/h
Fuel consumption @ 75% (Prime Power) Load	212g/kWh	20.6L/h
Fuel consumption @ 50% (Prime Power) Load	224g/kWh	14.8L/h

**Oil System**

Total oil capacity	16.4L
Oil sump capacity	12.3~14.2L

**Cooling System**

Coolant capacity	23L
Max water temperature	104°C

**MODEL: HC-110GF2****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	137.5kVA
Alternator Efficiency	90.8%

**MODEL: HC-110GF2****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)	$\leq +25\%$
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
Base fuel tank		

**MODEL: HC-110GF2**

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

## OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

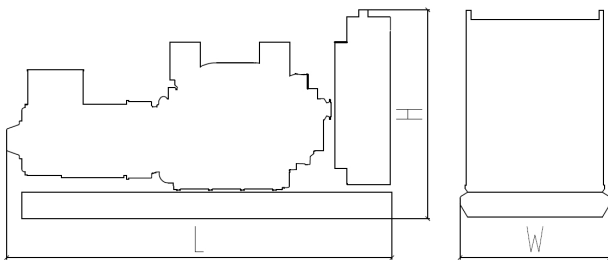
Spare parts

Trailer type

Switch box

Automatic transfer switch

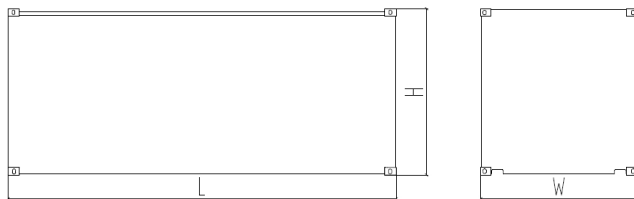
## DIMENSIONS & WEIGHT



### Standard Configuration (open type)

Overall Dimensions: 2200×900×1700 mm

Weight: 1330 kg



### Soundproof Type

Overall Dimensions: 2810×1140×1830 mm

Weight: 1820 kg

*Specifications are subject to change without notice.*