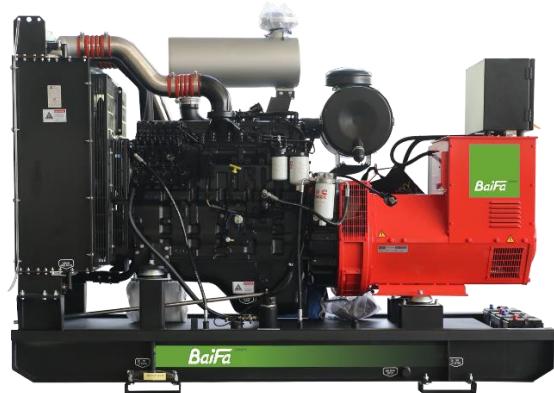




MODEL: BF-C350D-60

440V | 1800rpm | 60Hz



<b>ESP</b> Standby Power	330kVA	<b>PRP</b> Prime Power	300kVA
<b>ENGINE</b>	DCEC Cummins 6LTA9.5-G1	<b>ALTERNATOR</b>	STAMFORD UCDI274K1

## GENERAL FEATURES

Engine: DCEC Cummins 6LTA9.5-G1

Alternator: single bearing, IP23, insulation class H

50°C radiator, fans are driven by belt, with safety guard

Dry type air filter, fuel filter &amp; oil filter

Vibration damper

Standard control panel

24V charging alternator

Exhaust bellows, elbows, flange &amp; muffler

Lead-acid batteries, rack and cables

User manual

Comprehensive Solutions For

**POWER GENERATION**

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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	397	264kW/330kVA	240kW/300kVA
460/266	60	3	0.8	414	264kW/330kVA	240kW/300kVA
440/254	60	3	0.8	433	264kW/330kVA	240kW/300kVA
416/240	60	3	0.8	458	264kW/330kVA	240kW/300kVA

**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**



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## ENGINE SPECIFICATION

Manufacturer / Model	DCEC Cummins 6LTAA9.5-G1
Air intake system	Turbocharged, Air/Air Cooling
Fuel system	Mechanical fuel pump
Cylinder arrangement	6 in line
Displacement	9.5L
Bore and stroke	116.5×148 mm
Compression ratio	N/A
Rated speed	1800rpm
Max. Standby power at rated speed	310kW
Governor type	Electronic

## Exhaust System

Exhaust gas flow	61 m <sup>3</sup> /min
Exhaust temperature	495°C
Max back pressure	10kPa

## Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	27 m <sup>3</sup> /min
Air flow required for radiator	450 m <sup>3</sup> /min

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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	199g/kWh	64.1L/h
Fuel consumption @ 75% (Prime Power) Load	197g/kWh	48.1L/h
Fuel consumption @ 50% (Prime Power) Load	200g/kWh	33.8L/h

**Oil System**

Total oil capacity	27.6L
Oil sump capacity	19-27L

**Cooling System**

Coolant capacity	57L
Max water temperature	104°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	299kVA
Alternator Efficiency	92.7%

Comprehensive Solutions For

**POWER GENERATION**



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## GENERATING SET DATA

Related range of voltage setting	≥±5%
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100 % sudden power decrease)	≤+25%
Transient voltage deviation (sudden power increase)	≤-20%
Voltage recovery time (100 % sudden power decrease)	≤6S
Voltage recovery time (sudden power increase)	≤6S
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	≤1.5%
Transient frequency deviation (100 % sudden power decrease)	≤+12%
Transient frequency deviation (sudden power increase)	≤-10%
Frequency recovery time (100 % sudden power decrease)	≤5S
Frequency recovery time (sudden power increase)	≤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



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## OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
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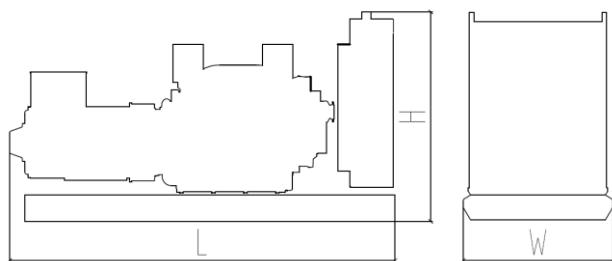
Alternator heater	Soundproof type	Paralleling system
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Spare parts	Trailer type	Switch box
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Automatic transfer switch		
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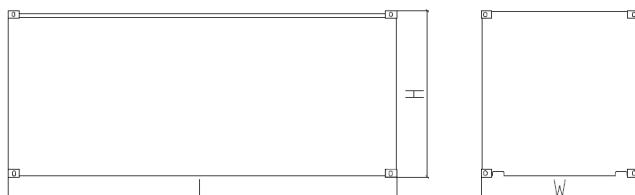
## DIMENSIONS & WEIGHT

### Standard Configuration (open type)



Overall Dimensions: 2910×1100×1750 mm

Weight: 2200 kg



### Soundproof Type

Overall Dimensions: 3890×1460×2150 mm

Weight: 3100 kg

Specifications are subject to change without notice.

**BAIFA POWER (WUXI) LTD.**

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**TEL: +86-510-85342633**

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