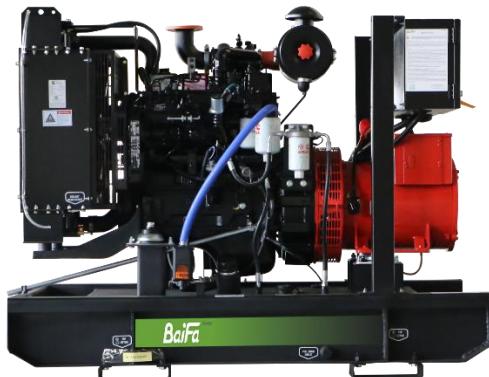




MODEL: BF-C30-60

440V | 1800rpm | 60Hz

**ESP**

Standby Power

**33kVA****PRP**

Prime Power

**30kVA****ENGINE**

DCEC Cummins

4B3.9-G2

**ALTERNATOR**

STAMFORD

S0L2-P1

## GENERAL FEATURES

Engine: DCEC Cummins 4B3.9-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 &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	40	26.4kW/33kVA	24kW/30kVA
460/266	60	3	0.8	41	26.4kW/33kVA	24kW/30kVA
440/254	60	3	0.8	43	26.4kW/33kVA	24kW/30kVA
416/240	60	3	0.8	46	26.4kW/33kVA	24kW/30kVA

**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 4B3.9-G2
Air intake system	Naturally Aspirated
Fuel system	A model fuel pump
Cylinder arrangement	4 in line
Displacement	3.9L
Bore and stroke	102×120 mm
Compression ratio	18
Rated speed	1800rpm
Max. Standby power at rated speed	33kW
Governor type	Electronic

## Exhaust System

Exhaust gas flow	4.9 m <sup>3</sup> /min
Exhaust temperature	352°C
Max back pressure	10kPa

## Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	2.6 m <sup>3</sup> /min
Air flow required for radiator	72 m <sup>3</sup> /min

Comprehensive Solutions For

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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	238g/kWh	8.3L/h
Fuel consumption @ 75% (Prime Power) Load	251g/kWh	6.6L/h
Fuel consumption @ 50% (Prime Power) Load	280g/kWh	5.1L/h

**Oil System**

Total oil capacity	11L
Oil sump capacity	8.5~9.5L

**Cooling System**

Coolant capacity	16L
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	33.6kVA
Alternator Efficiency	87.2%

Comprehensive Solutions For

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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

Base fuel tank

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**POWER GENERATION**



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## OPTIONS

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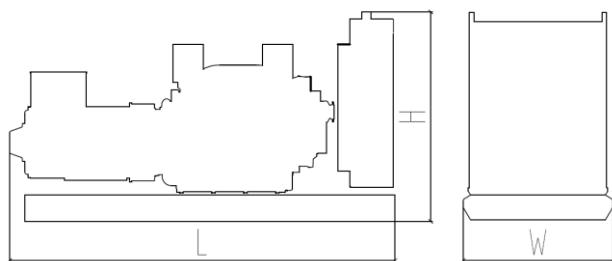
Alternator heater	Soundproof type	Paralleling system
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Spare parts	Trailer type	Switch box
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Automatic transfer switch		
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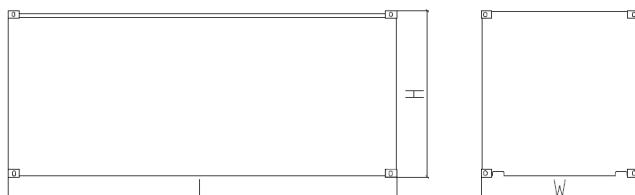
## DIMENSIONS & WEIGHT

### Standard Configuration (open type)



Overall Dimensions: 1750×770×1370 mm

Weight: 730 kg



### Soundproof Type

Overall Dimensions: 2290×1060×1680 mm

Weight: 1250 kg

Specifications are subject to change without notice.

**BAIFA POWER (WUXI) LTD.**

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

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