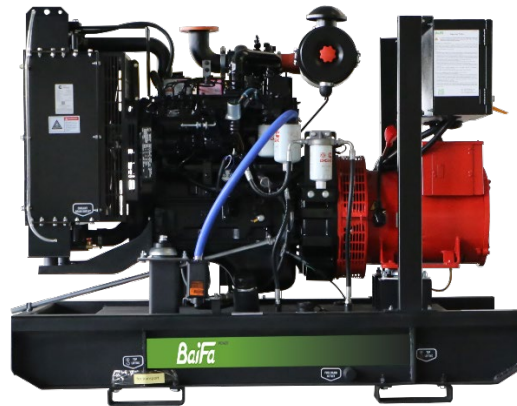


MODEL: BF-C30

400V | 1500rpm | 50Hz



ESP Standby Power	30 kVA	PRP Prime Power	27.5 kVA
ENGINE	DCEC Cummins 4B3.9-G1	ALTERNATOR	STAMFORD SOL2-P1

GENERAL FEATURES

Engine: DCEC Cummins 4B3.9-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 & oil filter

Vibration damper

Standard control panel

24V charging alternator

Exhaust bellows, elbows, flange & muffler

Lead-acid batteries, rack and cables

User manual

MODEL: BF-C30

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	39	24/30	22/27.5
415/240	50	3	0.8	42	24/30	22/27.5
400/230	50	3	0.8	43	24/30	22/27.5
380/220	50	3	0.8	46	24/30	22/27.5

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: BF-C30

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model	DCEC Cummins 4B3.9-G1
Air intake system	Air natural cooled
Fuel system	A model fuel pump
Cylinder arrangement	4 in line
Displacement	3.9L
Bore and stroke	102*120 (mm)
Compression ratio	16.5:1
Rated speed	1500rpm
Max. Standby power at rated speed	27KW/36HP
Governor type	RSV Mechanical

Exhaust System

Exhaust gas flow	4.3 m ³ /min
Exhaust temperature	410 °C
Max back pressure	10kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	2 m ³ /min
Air flow required for radiator	60 m ³ /min

**MODEL: BF-C30****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	245 g/kWh	7.6 L/h
Fuel consumption @ 75% (Prime Power) Load	260 g/kWh	6.0 L/h
Fuel consumption @ 50% (Prime Power) Load	296 g/kWh	4.6 L/h

Oil System

Total oil capacity	11L
Oil consumption	≤4g/kwh
Oil sump capacity	8.5~9.5L

Cooling System

Coolant capacity	15.2L
Max water temperature	104℃



MODEL: BF-C30

400V | 1500rpm | 50Hz

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	30kVA
Alternator Efficiency	87.0%

MODEL: BF-C30

400V | 1500rpm | 50Hz

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	Special tools
Base fuel tank	MCCB	

MODEL: BF-C30**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

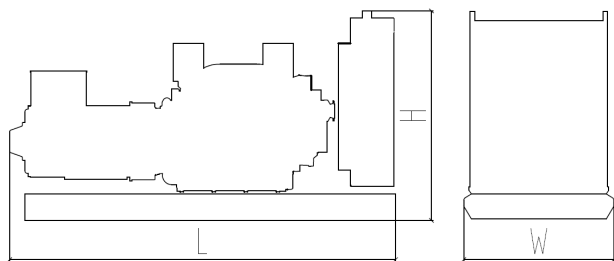
Paralleling system

Spare parts

Trailer type

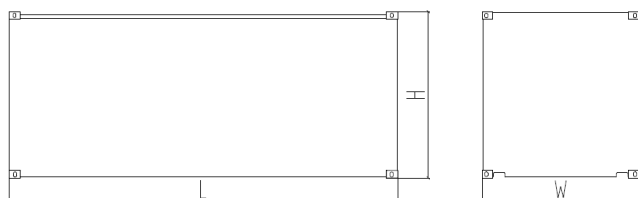
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type with base fuel tank)**

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.****WEBSITE: WWW.BAIFAPOWER.COM****EMAIL: MARKETING@BAIFAPOWER.COM****TEL: +86-510-85342633**

Comprehensive Solutions For

POWER GENERATION