

MODEL: BF-C2500Q

400V | 1500rpm | 50Hz



ESP Standby Power	2500 kVA	PRP Prime Power	2250 kVA
ENGINE	Cummins QSK60-G21	ALTERNATOR	STAMFORD PI734H1

GENERAL FEATURES

Engine: Cummins QSK60-G21

Alternator: single bearing, IP23, insulation class H

40°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

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GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	3280	2000/2500	1800/2250
415/240	50	3	0.8	3478	2000/2500	1800/2250
400/230	50	3	0.8	3608	2000/2500	1800/2250
380/220	50	3	0.8	3798	2000/2500	1800/2250

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-C2500Q****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Cummins QSK60-G21
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Air intake system	Turbo, Air/Water cooling
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Fuel system	Cummins MCRS
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Cylinder arrangement	16 in "V"
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Displacement	60.2L
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Bore and stroke	159×190 (mm)
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Compression ratio	14.5:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	2164KW/2901HP
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Governor type	Electrical
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Exhaust System

Exhaust gas flow	393.12 m ³ /min
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Exhaust temperature	507 °C
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Max back pressure	7kPa
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Air Intake System

Max intake restriction	6.2kPa
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Combustion air flow	154.32 m ³ /min
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Air flow required for radiator	2220 m ³ /min
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**MODEL: BF-C2500Q****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	200 g/kWh	458 L/h
Fuel consumption @ 75% (Prime Power) Load	211 g/kWh	365 L/h
Fuel consumption @ 50% (Prime Power) Load	218 g/kWh	258 L/h

Oil System

Total oil capacity	280L
Oil consumption	≤4g/kwh
Oil sump capacity	231~261L

Cooling System

Coolant capacity	620L
Max water temperature	104℃



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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	2325kVA
Alternator Efficiency	96.1%

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GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
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Steady-state voltage deviation	$\leq \pm 1\%$
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Transient voltage deviation (100 % sudden power decrease)	$\leq +20\%$
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Transient voltage deviation (sudden power increase)	$\leq -15\%$
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Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
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Voltage recovery time (sudden power increase)	$\leq 4S$
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Related range of frequency setting	0-5% adjustable
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Steady-state frequency band	$\leq 0.5\%$
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Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
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Transient frequency deviation (sudden power increase)	$\leq -7\%$
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Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
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Frequency recovery time (sudden power increase)	$\leq 3S$
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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

Comprehensive Solutions For

POWER GENERATION

MODEL: BF-C2500Q**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

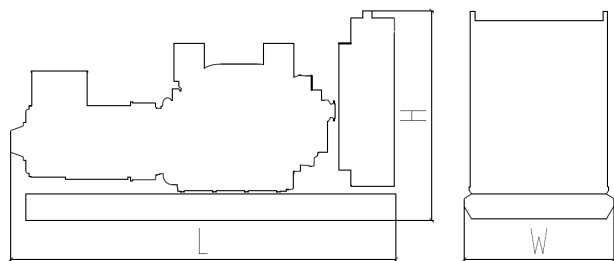
Paralleling system

Spare parts

Trailer type

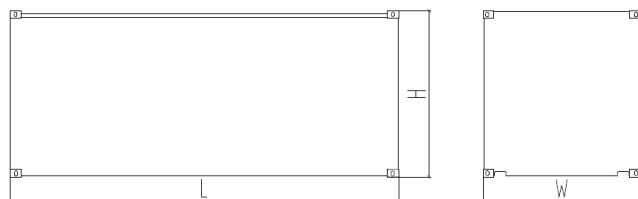
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type)**

Overall Dimensions: 5850×2200×2800 mm

Weight: 16000 kg

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

Overall Dimensions: 12192×2438×2896 mm

Weight: 26000 kg

*Specifications are subject to change without notice.***BAIFA POWER (WUXI) LTD.****WEBSITE: WWW.BAIFAPOWER.COM****EMAIL: MARKETING@BAIFAPOWER.COM****TEL: +86-510-85342633**

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POWER GENERATION