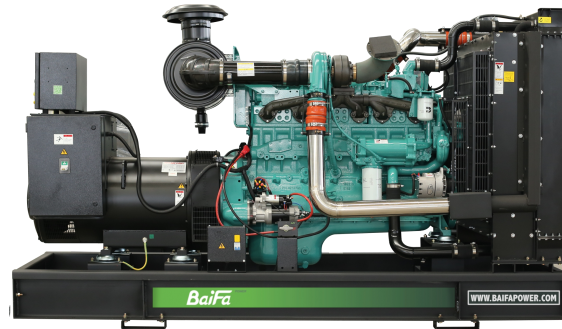


MODEL: BF-C440Q
400V | 1500rpm | 50Hz


ESP Standby Power	438 kVA	PRP Prime Power	400 kVA
ENGINE	CCEC Cummins QSNT-G3	ALTERNATOR	STAMFORD S4L1D-F41

GENERAL FEATURES

Engine: CCEC Cummins QSNT-G3

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

MODEL: BF-C440Q

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	575	350/438	320/400
415/240	50	3	0.8	609	350/438	320/400
400/230	50	3	0.8	632	350/438	320/400
380/220	50	3	0.8	665	350/438	320/400

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

**MODEL: BF-C440Q****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	CCEC Cummins QSNT-G3
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Air intake system	Turbo, Air-Air cooling
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Fuel system	CELECT
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Cylinder arrangement	6 in line
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Displacement	14L
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Bore and stroke	140*152 (mm)
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Compression ratio	16.7:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	392KW/525HP
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	2222kg/h
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Exhaust temperature	500 °C
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Max back pressure	10kpa
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Air Intake System

Max intake restriction	6.2kPa
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Combustion air flow	30.66 m ³ /min
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Air flow required for radiator	618 m ³ /min
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**MODEL: BF-C440Q****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	205 g/kWh	86.2 L/h
Fuel consumption @ 75% (Prime Power) Load	213 g/kWh	67.4 L/h
Fuel consumption @ 50% (Prime Power) Load	226 g/kWh	48.8 L/h

Oil System

Total oil capacity	38.6L
Oil consumption	≤4g/kwh
Oil sump capacity	28.4~36L

Cooling System

Coolant capacity	85L
Max water temperature	104℃



**MODEL: BF-C440Q****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	415kVA
Alternator Efficiency	93.2%

**MODEL: BF-C440Q****400V | 1500rpm | 50Hz**

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

MCCB

MODEL: BF-C440Q**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

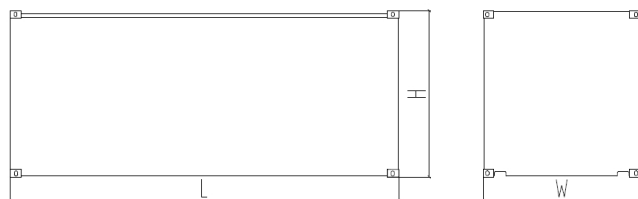
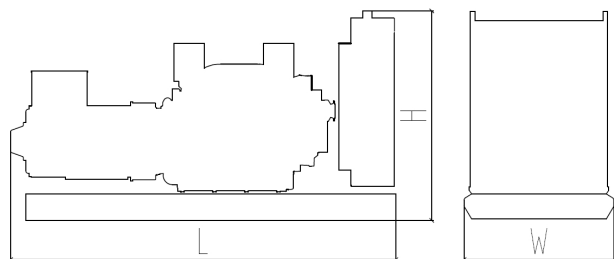
Paralleling system

Spare parts

Trailer type

Switch box

Automatic transfer switch

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

Overall Dimensions: 3300×1300×1900 mm

Weight: 3200 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3300×1300×1900 mm

Weight: 3350 kg

Soundproof Type

Overall Dimensions: 4630×1660×2250 mm

Weight: 4620 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