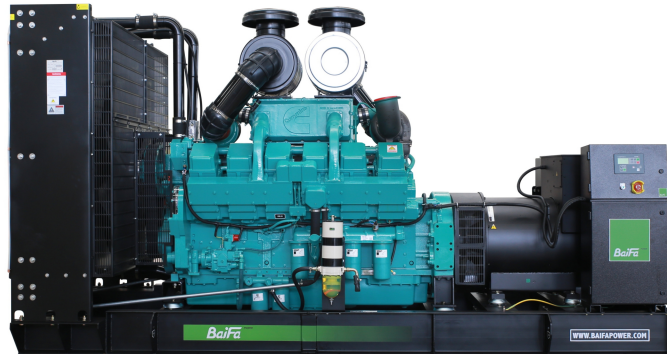


MODEL: BF-C700Q

400V | 1500rpm | 50Hz



ESP Standby Power	700 kVA	PRP Prime Power	635 kVA
ENGINE	CCEC Cummins QSK19-G4	ALTERNATOR	STAMFORD HCI544FS1

GENERAL FEATURES

Engine: CCEC Cummins QSK19-G4

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-C700Q****400V | 1500rpm | 50Hz**

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	919	560/700	508/635
415/240	50	3	0.8	974	560/700	508/635
400/230	50	3	0.8	1010	560/700	508/635
380/220	50	3	0.8	1064	560/700	508/635

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-C700Q****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	CCEC Cummins QSK19-G4
Air intake system	Turbo, Air/Air cooling
Fuel system	Direct injection Cummins MCRS
Cylinder arrangement	6 in line
Displacement	19L
Bore and stroke	159*159 (mm)
Compression ratio	15.0:1
Rated speed	1500rpm
Max. Standby power at rated speed	634KW/850HP
Governor type	Electronic

Exhaust System

Exhaust gas flow	132.36 m ³ /min
Exhaust temperature	516 °C
Max back pressure	6.8kPa

Air Intake System

Max intake restriction	6.23kPa
Combustion air flow	52.56 m ³ /min
Air flow required for radiator	900 m ³ /min

**MODEL: BF-C700Q****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	215 g/kWh	139.2 L/h
Fuel consumption @ 75% (Prime Power) Load	219 g/kWh	106.8 L/h
Fuel consumption @ 50% (Prime Power) Load	234 g/kWh	77.9 L/h

Oil System

Total oil capacity	84.4L
Oil consumption	≤4g/kwh
Oil sump capacity	64.4-72L

Cooling System

Coolant capacity	116L
Max water temperature	104°C

**MODEL: BF-C700Q****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	625kVA
Alternator Efficiency	95.1%

**MODEL: BF-C700Q****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-C700Q**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: 3750×1500×2200 mm

Weight: 4890 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3750×1500×2200 mm

Weight: 4890 kg

Soundproof Type

Overall Dimensions: 5030×1860×2550 mm

Weight: 6850 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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