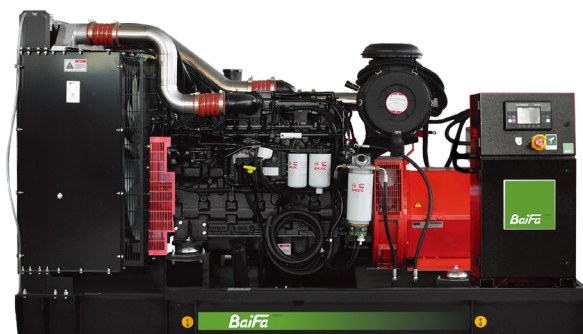


MODEL: BF-C700Q

400V | 1500rpm | 50Hz



ESP Standby Power	700 kVA	PRP Prime Power	636 kVA
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	QSK19-G31		S5L1D-F41

GENERAL FEATURES

Engine: CCEC Cummins QSK19-G31

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 (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	919	560/700	509/636
415/240	50	3	0.8	974	560/700	509/636
400/230	50	3	0.8	1010	560/700	509/636
380/220	50	3	0.8	1064	560/700	509/636

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-G31
Air intake system	Turbo, Air/Air cooling
Fuel system	Direct injection Cummins MCRS
Cylinder arrangement	6 in line
Displacement	18.9L
Bore and stroke	159×159 mm
Compression ratio	14.3:1
Rated speed	1500rpm
Max. Standby power at rated speed	624kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	119 m ³ /min
Exhaust temperature	500°C
Max back pressure	10.1 kPa

Air Intake System

Max intake restriction	6.2 kPa
Combustion air flow	47 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	206g/kWh	134L/h
Fuel consumption @ 75% (Prime Power) Load	208g/kWh	102L/h
Fuel consumption @ 50% (Prime Power) Load	211g/kWh	70L/h

Oil System

Total oil capacity	84L
Oil consumption	≤4g/kwh
Oil sump capacity	64-72L

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	670kVA
Alternator Efficiency	95.0%

MODEL: BF-C700Q

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

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

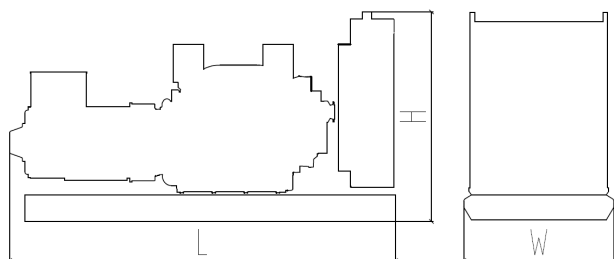
MODEL: BF-C700Q

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		

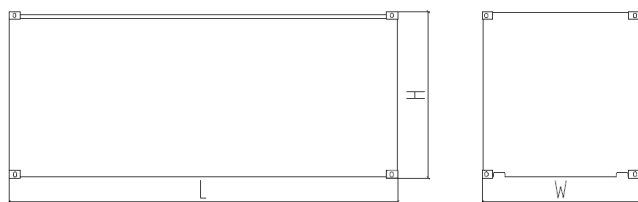
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 3770×1500×2200 mm

Weight: 4950 kg



Soundproof Type

Overall Dimensions: 5530×1860×2550 mm

Weight: 7250 kg

Specifications are subject to change without notice.

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POWER GENERATION