

MODEL: BF-C688K

400V | 1500rpm | 50Hz



ESP Standby Power	688 kVA	PRP Prime Power	625 kVA
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	KTA19-G8A		S5L1D-E41

GENERAL FEATURES

Engine: CCEC Cummins KTA19-G8A

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 (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	902	550/688	500/625
415/240	50	3	0.8	956	550/688	500/625
400/230	50	3	0.8	992	550/688	500/625
380/220	50	3	0.8	1045	550/688	500/625

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.

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Manufacturer / Model	CCEC Cummins KTA19-G8A
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Air intake system	Turbocharged
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Fuel system	PT type fuel pump, EFC
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Cylinder arrangement	6 in line
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Displacement	18.9L
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Bore and stroke	159*159 (mm)
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Compression ratio	13:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	610KW/830HP
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	112 m ³ /min
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Exhaust temperature	550°C
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Max back pressure	10kPa
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Air Intake System

Max intake restriction	6.23kPa
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Combustion air flow	40.5m ³ /min
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Air flow required for radiator	900m ³ /min
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Fuel consumption @ 100% (Prime Power) Load	205 g/kWh	131L/h
Fuel consumption @ 75% (Prime Power) Load	206 g/kWh	99L/h
Fuel consumption @ 50% (Prime Power) Load	211 g/kWh	69L/h

Oil System

Total oil capacity	50L
Oil consumption	≤4g/kwh
Oil sump capacity	32~38L

Cooling System

Coolant capacity	116L
Max water temperature	104°C

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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	94.8%

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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

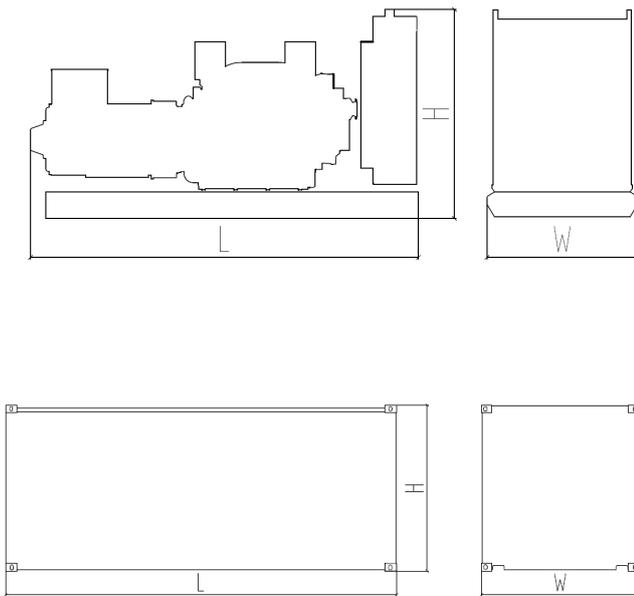
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OPTIONS

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: 3650×1450×2200 mm

Weight: 4450 kg

Soundproof Type

Overall Dimensions: 5530×1860×2550 mm

Weight: 6750 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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