

MODEL: BF-C825-60

440V | 1800rpm | 60Hz



ESP Standby Power	1000kVA	PRP Prime Power	910kVA
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	KTA38-G2		S6L1D-C4

GENERAL FEATURES

Engine: CCEC Cummins KTA38-G2

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)
480/277	60	3	0.8	1203	800kW/1000kVA	728kW/910kVA
460/266	60	3	0.8	1255	800kW/1000kVA	728kW/910kVA
440/254	60	3	0.8	1312	800kW/1000kVA	728kW/910kVA
416/240	60	3	0.8	1388	800kW/1000kVA	728kW/910kVA

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 KTA38-G2
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Air intake system	Turbocharged, water/air cooling
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Fuel system	PT type fuel pump
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Cylinder arrangement	12 in V
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Displacement	38L
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Bore and stroke	159×159 mm
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Compression ratio	14.5
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Rated speed	1800rpm
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Max. Standby power at rated speed	896kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	220.7 m ³ /min
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Exhaust temperature	502°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	82 m ³ /min
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Air flow required for radiator	1200 m ³ /min
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Fuel System

Fuel consumption @ 100% (Prime Power) Load	214g/kWh	199L/h
Fuel consumption @ 75% (Prime Power) Load	219g/kWh	153L/h
Fuel consumption @ 50% (Prime Power) Load	207g/kWh	99L/h

Oil System

Total oil capacity	151L
Oil sump capacity	121-151

Cooling System

Coolant capacity	245L
Max water temperature	104°C



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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	925kVA
Alternator Efficiency	94.6%

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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)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

STANDARD FEATURES

Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB

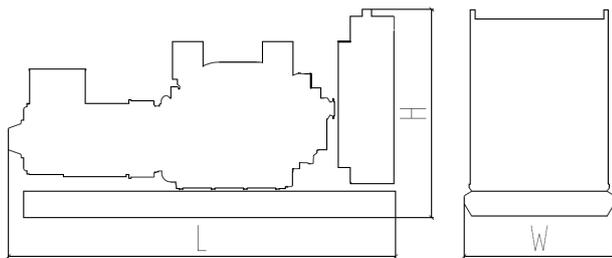
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OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

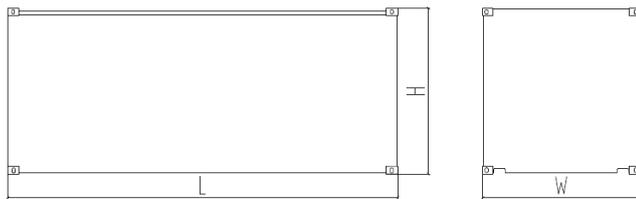
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 4550×2100×2320 mm

Weight: 7000 kg



Soundproof Type (standard 20'ft GP container)

Overall Dimensions: 6058×2438×2591 mm

Weight: 12000 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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