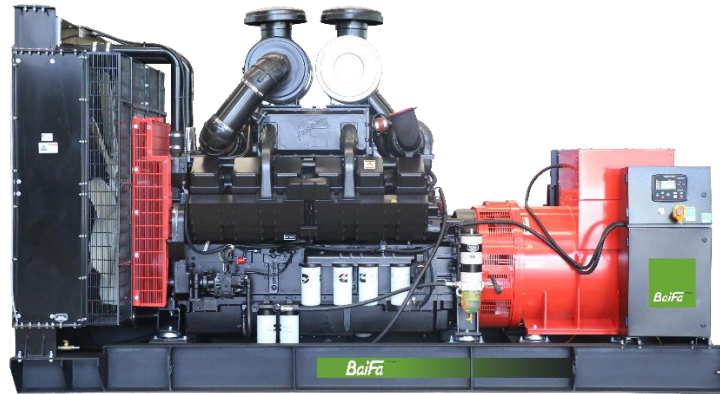


MODEL: BF-C825-60

440V | 1800rpm | 60Hz



ESP	1000kVA	PRP	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.

MODEL: BF-C825-60

440V | 1800rpm | 60Hz

ENGINE SPECIFICATION

Manufacturer / Model CCEC Cummins KTA38-G2

Air intake system Turbocharged, water/air cooling

Fuel system PT type fuel pump

Cylinder arrangement 12 in V

Displacement 38L

Bore and stroke 159×159 mm

Compression ratio 14.5

Rated speed 1800rpm

Max. Standby power at rated speed 896kW

Governor type Electronic

Exhaust System

Exhaust gas flow 220.7 m³/min

Exhaust temperature 502°C

Max back pressure 10kPa

Air Intake System

Max intake restriction 6.2kPa

Combustion air flow 82 m³/min

Air flow required for radiator 1200 m³/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



MODEL: BF-C825-60

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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%

MODEL: BF-C825-60

440V | 1800rpm | 60Hz

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

Standard auto control system	Exhaust system (including until muffler)	Documents
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Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
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MODEL: BF-C825-60

440V | 1800rpm | 60Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

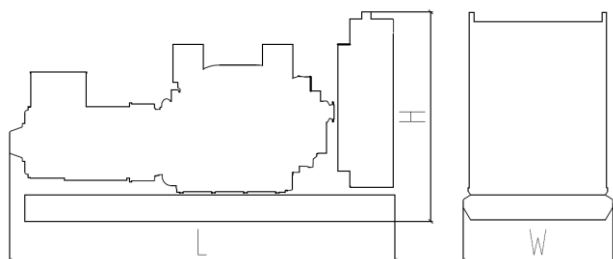
Spare parts

Trailer type

Switch box

Automatic transfer switch

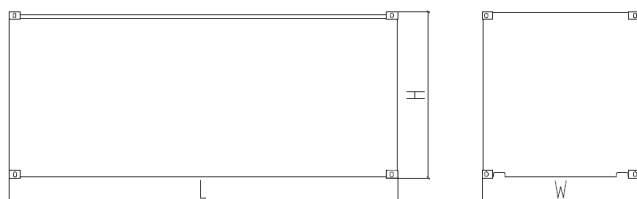
DIMENSIONS & WEIGHT



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.

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POWER GENERATION