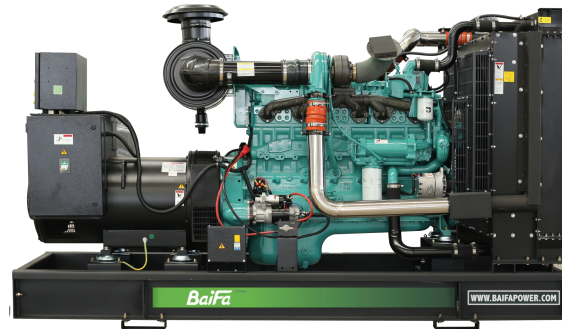


MODEL: BF-C450
400V | 1500rpm | 50Hz


ESP Standby Power	450 kVA	PRP Prime Power	N/A
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	NTAA855-G7A		S4L1D-F41

GENERAL FEATURES

Engine: CCEC Cummins NTAA855-G7A

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-C450****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	590	360/450	N/A
415/240	50	3	0.8	626	360/450	N/A
400/230	50	3	0.8	649	360/450	N/A
380/220	50	3	0.8	684	360/450	N/A

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-C450**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	CCEC Cummins NTAA855-G7A
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Air intake system	Turbo, Air/Air cooling
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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	14L
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Bore and stroke	140*152 (mm)
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Compression ratio	14.0:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	407KW/545HP
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	74.4 m ³ /min
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Exhaust temperature	473 °C
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Max back pressure	10kpa
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Air Intake System

Max intake restriction	6.22kPa
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Combustion air flow	32.94 m ³ /min
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Air flow required for radiator	490.8 m ³ /min
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**MODEL: BF-C450****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Standby Power) Load	199.8 g/kWh	94.7 L/h
Fuel consumption @ 75% (Standby Power) Load	202.1 g/kWh	71.7 L/h
Fuel consumption @ 50% (Standby Power) Load	210.9 g/kWh	50.8 L/h

Oil System

Total oil capacity	38.6L
Oil consumption	≤4g/kwh
Oil sump capacity	28.4~36L

Cooling System

Coolant capacity	64L
Max water temperature	96°C



**MODEL: BF-C450****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	415kVA
Alternator Efficiency	93.2%

**MODEL: BF-C450****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)	$\leq +25\%$
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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	Special tools
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MODEL: BF-C450**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: 3350×1200×1900 mm

Weight: 3100 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3350×1200×1900 mm

Weight: 3280 kg

Soundproof Type

Overall Dimensions: 4230×1460×2150 mm

Weight: 4520 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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POWER GENERATION