

MODEL: BF-C880
400V | 1500rpm | 50Hz


ESP Standby Power	880 kVA	PRP Prime Power	800 kVA
ENGINE	CCEC Cummins KTA38-G2B	ALTERNATOR	STAMFORD S6L1D-C4

GENERAL FEATURES

Engine: CCEC Cummins KTA38-G2B

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-C880

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	1155	704/880	640/800
415/240	50	3	0.8	1224	704/880	640/800
400/230	50	3	0.8	1270	704/880	640/800
380/220	50	3	0.8	1337	704/880	640/800

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-C880****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	CCEC Cummins KTA38-G2B
----------------------	------------------------

Air intake system	Turbo, Air/Water cooling
-------------------	--------------------------

Fuel system	PT type fuel pump, EFC
-------------	------------------------

Cylinder arrangement	12 in "V"
----------------------	-----------

Displacement	37.8L
--------------	-------

Bore and stroke	159*159 (mm)
-----------------	--------------

Compression ratio	14.5:1
-------------------	--------

Rated speed	1500rpm
-------------	---------

Max. Standby power at rated speed	789KW/1073HP
-----------------------------------	--------------

Governor type	Electronic
---------------	------------

Exhaust System

Exhaust gas flow	158.04 m ³ /min
------------------	----------------------------

Exhaust temperature	552 °C
---------------------	--------

Max back pressure	10kPa
-------------------	-------

Air Intake System

Max intake restriction	6.23kPa
------------------------	---------

Combustion air flow	55.2 m ³ /min
---------------------	--------------------------

Air flow required for radiator	1140 m ³ /min
--------------------------------	--------------------------

**MODEL: BF-C880****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	200 g/kWh	164 L/h
Fuel consumption @ 75% (Prime Power) Load	204 g/kWh	126 L/h
Fuel consumption @ 50% (Prime Power) Load	N/A	N/A

Oil System

Total oil capacity	135L
Oil consumption	≤4g/kwh
Oil sump capacity	121~151L

Cooling System

Coolant capacity	280L
Max water temperature	104℃



**MODEL: BF-C880****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	810kVA
Alternator Efficiency	94.4%

**MODEL: BF-C880****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)	$\leq +25\%$
---	--------------

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

Special tools

MCCB

MODEL: BF-C880**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

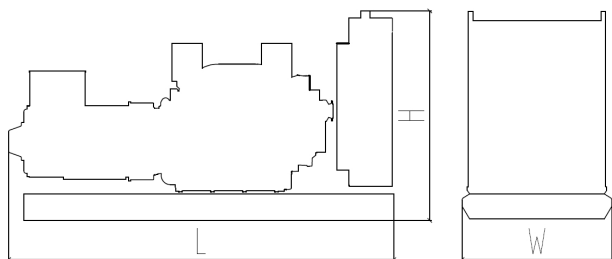
Paralleling system

Spare parts

Trailer type

Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type)**

Overall Dimensions: 4150×1800×2250 mm

Weight: 7000 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 4150×1800×2250 mm

Weight: 7250 kg

Soundproof Type

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**

Comprehensive Solutions For

POWER GENERATION