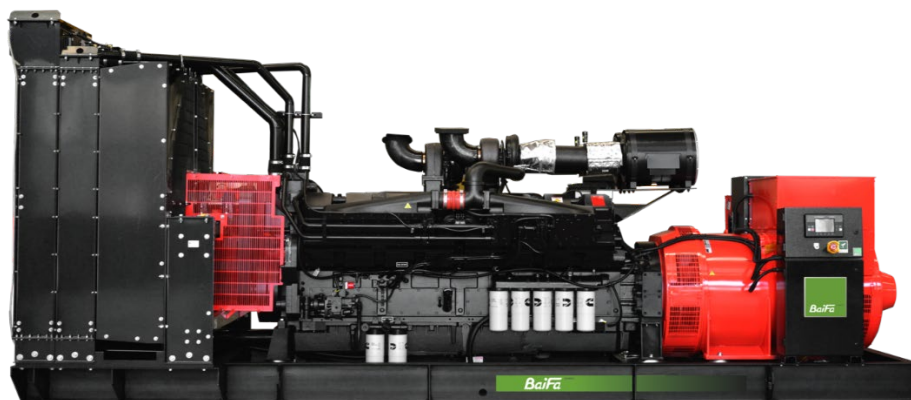


**MODEL: BF-C1875E**

**400V | 1500rpm | 50Hz**



<b>ESP</b> Standby Power	<b>1875 kVA</b>	<b>PRP</b> Prime Power	<b>1675 kVA</b>
<b>ENGINE</b>	<b>CCEC Cummins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>KTA50-G15X</b>		<b>S7L1D-E4</b>

## GENERAL FEATURES

Engine: CCEC Cummins KTA50-G15X

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-C1875E**
**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	2460	1440/1800	1340/1675
415/240	50	3	0.8	2609	1440/1800	1340/1675
400/230	50	3	0.8	2706	1440/1800	1340/1675
380/220	50	3	0.8	2849	1440/1800	1340/1675

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-C1875E**

**400V | 1500rpm | 50Hz**

## ENGINE SPECIFICATION

Manufacturer / Model	CCEC Cummins KTA50-G15X
Air intake system	Turbo, Air/Water cooling
Fuel system	PT type fuel pump
Cylinder arrangement	16 in V
Displacement	50.3L
Bore and stroke	159*159 (mm)
Compression ratio	13.9:1
Rated speed	1500rpm
Max. Standby power at rated speed	1656KW
Governor type	Electronic

## Exhaust System

Exhaust gas flow	303 m <sup>3</sup> /min
Exhaust temperature	601 °C
Max back pressure	5kPa

## Air Intake System

Max intake restriction	6.23kPa
Combustion air flow	116 m <sup>3</sup> /min
Air flow required for radiator	1800 m <sup>3</sup> /min

**MODEL: BF-C1875E****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	195 g/kWh	331L/h
Fuel consumption @ 75% (Prime Power) Load	198 g/kWh	254L/h
Fuel consumption @ 50% (Prime Power) Load	204 g/kWh	179L/h

**Oil System**

Total oil capacity	204L
Oil consumption	≤4g/kwh
Oil sump capacity	148~178L

**Cooling System**

Coolant capacity	460L
Max water temperature	104℃



**MODEL: BF-C1875E**

**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	1750kVA
Alternator Efficiency	96.0%

**MODEL: BF-C1875E**

**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

**MODEL: BF-C1875E****400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

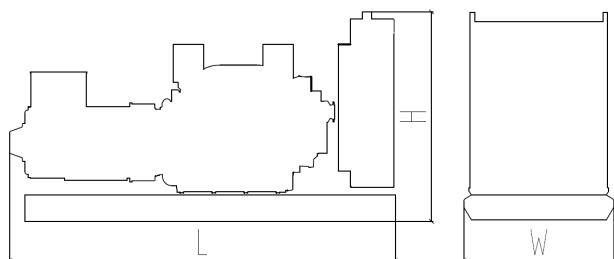
Paralleling system

Spare parts

Trailer type

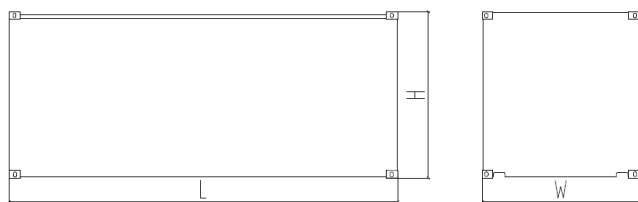
Switch box

Automatic transfer switch

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

Overall Dimensions: 5800×2200×2800 mm

Weight: 11600 kg

**Soundproof Type (standard 20'ft HQ container)**

Overall Dimensions: 6058×2438×2896 mm

Weight: 16600 kg

*Specifications are subject to change without notice.***BAIFA POWER (WUXI) LTD.****WEBSITE: [WWW.BAIFAPOWER.COM](http://WWW.BAIFAPOWER.COM)****EMAIL: [MARKETING@BAIFAPOWER.COM](mailto:MARKETING@BAIFAPOWER.COM)****TEL: +86-510-85342633**

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