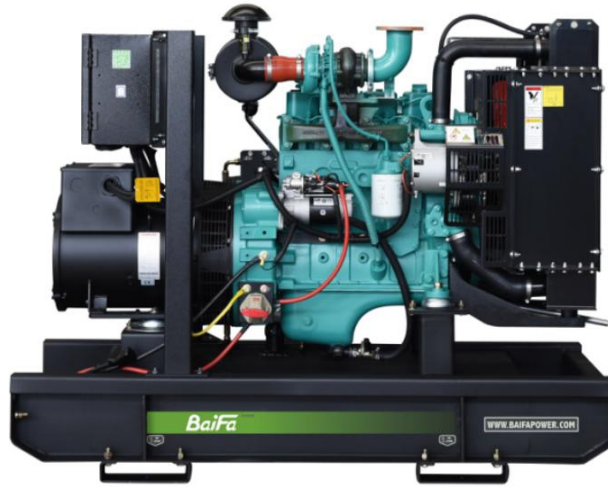


**MODEL: BF165**

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



<b>ESP</b> Standby Power	<b>165 kVA</b>	<b>PRP</b> Prime Power	<b>150 kVA</b>
<b>ENGINE</b>	<b>FAW</b>	<b>ALTERNATOR</b>	<b>BAIFA</b>
	<b>CA6DF2-19D</b>		<b>BF3D</b>

## GENERAL FEATURES

Engine: FAW CA6DF2-19D

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: BF165**

**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	217	132/165	120/150
415/240	50	3	0.8	230	132/165	120/150
400/230	50	3	0.8	238	132/165	120/150
380/220	50	3	0.8	251	132/165	120/150

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: BF165****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	FAW CA6DF2-19D	
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Air intake system	Turbocharged	
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Fuel system	Direct injection	
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Cylinder arrangement	4 in line	
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Displacement	7.13L	
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Bore and stroke	110×125 (mm)	
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Compression ratio	17:1	
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Rated speed	1500rpm	
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Max. Standby power at rated speed	154KW	
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Governor type	Electronical	
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**Exhaust System**

Exhaust gas flow	30m <sup>3</sup> /min	
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Exhaust temperature	470°C	
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**Air Intake System**

Combustion air flow	12m <sup>3</sup> /min	
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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	200g/kWh	32.5L/h
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Comprehensive Solutions For

**POWER GENERATION**

**MODEL: BF165**
**400V | 1500rpm | 50Hz**
**Oil System**

Total Oil Capacity: 23L

Oil Consumption: 0.06L/h

**Cooling System**

Cooling mode: Water cooling

**ALTERNATOR SPECIFICATION**
**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	150kVA
Alternator Efficiency	92.3%



**MODEL: BF165**

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

### GENERATING SET DATA

Related range of voltage setting	≥±5%
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100 % sudden power decrease)	≤+25%
Transient voltage deviation (sudden power increase)	≤-20%
Voltage recovery time (100 % sudden power decrease)	≤6S
Voltage recovery time (sudden power increase)	≤6S
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	≤1.5%
Transient frequency deviation (100 % sudden power decrease)	≤+12%
Transient frequency deviation (sudden power increase)	≤-10%
Frequency recovery time (100 % sudden power decrease)	≤5S
Frequency recovery time (sudden power increase)	≤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
Base fuel tank		



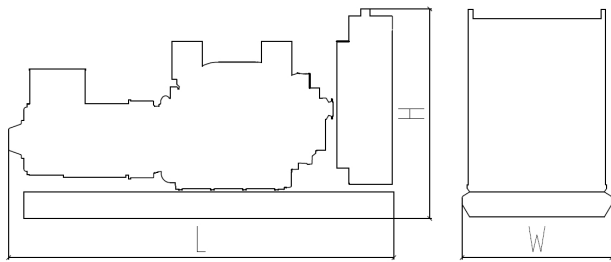
**MODEL: BF165**

**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		

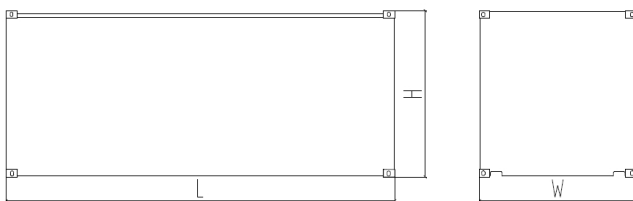
**DIMENSIONS & WEIGHT**



**Standard Configuration (open type)**

Overall Dimensions: 2500×920×1500 mm

Weight: 1760 kg



**Soundproof Type**

Overall Dimensions: 3230×1170×1800mm

Weight: 2400 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**

