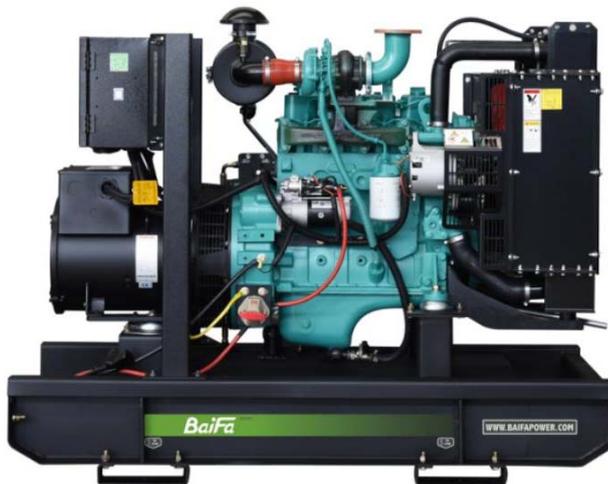


MODEL: BF28

400V | 1500rpm | 50Hz



ESP Standby Power	27.5 kVA	PRP Prime Power	25 kVA
ENGINE	FAW	ALTERNATOR	BAIFA
	4DW92-35D		BF1F

GENERAL FEATURES

Engine: FAW 4DW92-35D

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



GENERATOR SET | TECHNICAL SHEETS



MODEL: BF28

400V | 1500rpm | 50Hz

Comprehensive Solutions For
POWER GENERATION



MODEL: BF28
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	36	22/27.5	20/25
415/240	50	3	0.8	38	22/27.5	20/25
400/230	50	3	0.8	40	22/27.5	20/25
380/220	50	3	0.8	42	22/27.5	20/25

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: BF28**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	FAW 4DW92-35D
----------------------	---------------

Air intake system	Natural aspiration
-------------------	--------------------

Fuel system	Direct injection
-------------	------------------

Cylinder arrangement	4 in line
----------------------	-----------

Displacement	2.54L
--------------	-------

Bore and stroke	90×100 (mm)
-----------------	-------------

Compression ratio	17:1
-------------------	------

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

Max. Standby power at rated speed	29KW
-----------------------------------	------

Governor type	Mechanical
---------------	------------

Exhaust System

Exhaust gas flow	5.9m ³ /min
------------------	------------------------

Exhaust temperature	450°C
---------------------	-------

Air Intake System

Combustion air flow	2.1m ³ /min
---------------------	------------------------

Fuel System

Fuel consumption @ 100% (Prime Power) Load	230g/kWh	6.8L/h
--	----------	--------

MODEL: BF28

400V | 1500rpm | 50Hz

Oil System

Total Oil Capacity:	8L
Oil Consumption:	0.04L/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	27.5kVA
Alternator Efficiency	85.8%

MODEL: BF28**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	MCCB

Base fuel tank

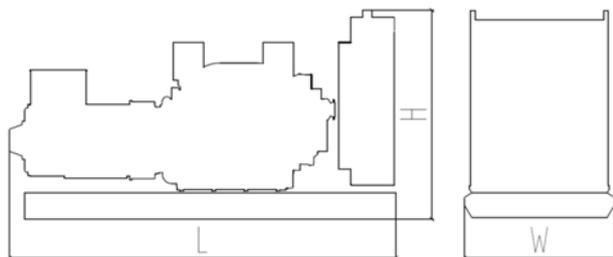
MODEL: BF28

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		

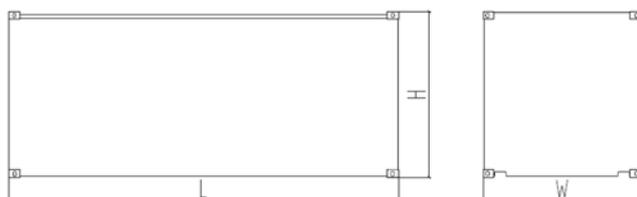
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 1500×760×1050 mm

Weight: 550 kg



Soundproof Type

Overall Dimensions: 1910×880×1450 mm

Weight: 1000 kg

Specifications are subject to change without notice.

BAIFA POWER (WUXI) LTD.
WEBSITE: WWW.BAIFAPOWER.COM
EMAIL: MARKETING@BAIFAPOWER.COM
TEL: +86-510-85342633