

MODEL: BF-BD1250

400V | 1500rpm | 50Hz



ESP Standby Power	1250 kVA	PRP Prime Power	1135 kVA
ENGINE	Baudouin 12M33G1250/5	ALTERNATOR	STAMFORD S6L1D-F4

GENERAL FEATURES

Engine: Baudouin 12M33G1250/5

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-BD1250****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	1640	1000kW/1250kVA	908kW/1135kVA
415/240	50	3	0.8	1739	1000kW/1250kVA	908kW/1135kVA
400/230	50	3	0.8	1804	1000kW/1250kVA	908kW/1135kVA
380/220	50	3	0.8	1899	1000kW/1250kVA	908kW/1135kVA

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.

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ENGINE SPECIFICATION

Manufacturer / Model Baudouin 12M33G1250/5

Air intake system Turbo, intercooling

Fuel system Mechanical pump

Cylinder arrangement 12 cylinders in V

Displacement 39.2 L

Bore and stroke 150×185 mm

Compression ratio 15:1

Rated speed 1500rpm

Max. Standby power at rated speed 1108KW

Governor type Electronic

Exhaust System

Exhaust gas flow 212 m³/min

Exhaust temperature 550°C

Max back pressure 7.5 kPa

Air Intake System

Max intake restriction 6.5 kPa

Combustion air flow 74.1 m³/min

Air flow required for radiator 2100 m³/min

**MODEL: BF-BD1250****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	197 g/kWh	233.1 L/h
Fuel consumption @ 75% (Prime Power) Load	194.6 g/kWh	175.2 L/h
Fuel consumption @ 50% (Prime Power) Load	199.3 g/kWh	124.0 L/h

Oil System

Total oil capacity	160L
Oil consumption ratio based on fuel consumption data	$\leq 0.3 \%$
Oil sump capacity	117-155L

Cooling System

Coolant capacity	303L
Max water temperature	103°C



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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	1150kVA
Alternator Efficiency	95.5%

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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	

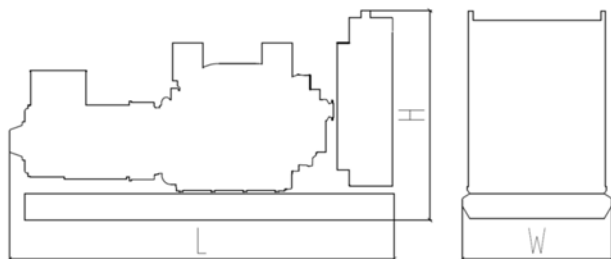
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OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

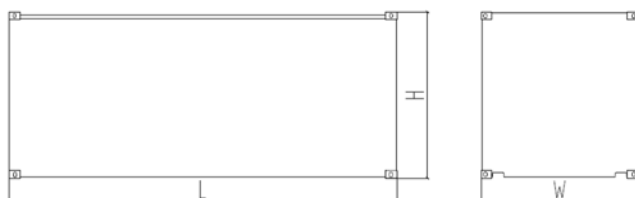
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 4650×2200×2430 mm

Weight: 8600 kg



Soundproof Type (standard 20'ft HQ container)

Overall Dimensions: 6058×2438×2896 mm

Weight: 13600 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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