

MODEL: BF-BD1250-60

440V | 1800rpm | 60Hz



ESP Standby Power	1250kVA	PRP Prime Power	1135kVA
ENGINE	Baudouin 12M33D1108E201	ALTERNATOR	STAMFORD S6L1D-E4

GENERAL FEATURES

Engine: Baudouin 12M33D1108E201

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

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GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	1504	1000kW/1250kVA	908kW/1135kVA
460/266	60	3	0.8	1569	1000kW/1250kVA	908kW/1135kVA
440/254	60	3	0.8	1640	1000kW/1250kVA	908kW/1135kVA
416/240	60	3	0.8	1735	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.

**MODEL: BF-BD1250-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 12M33D1108E201
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Air intake system	Turbocharged and Aftercooled
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Fuel system	Mechanical Pump
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Cylinder arrangement	12 in V
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Displacement	39.2L
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Bore and stroke	150 × 185 mm
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Compression ratio	15
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Rated speed	1800rpm
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Max. Standby power at rated speed	1108kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	6612kg/h
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Exhaust temperature	550°C
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Max back pressure	7.5kPa
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Air Intake System

Max intake restriction	6.5kPa
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Combustion air flow	6388kg/h
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Air flow required for radiator	2100 m ³ /min
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**MODEL: BF-BD1250-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	201.3g/kWh	238.0L/h
Fuel consumption @ 75% (Prime Power) Load	201.9g/kWh	182.8L/h
Fuel consumption @ 50% (Prime Power) Load	209.9g/kWh	131.2L/h

Oil System

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

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	1200kVA
Alternator Efficiency	95.3%

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GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
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Steady-state voltage deviation	$\leq \pm 1\%$
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Transient voltage deviation (100 % sudden power decrease)	$\leq +25\%$
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Transient voltage deviation (sudden power increase)	$\leq -20\%$
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Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
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Voltage recovery time (sudden power increase)	$\leq 6S$
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Related range of frequency setting	0-5% adjustable
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Steady-state frequency band	$\leq 1.5\%$
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Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
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Transient frequency deviation (sudden power increase)	$\leq -10\%$
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Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
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Frequency recovery time (sudden power increase)	$\leq 5S$
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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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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: 4300×2000×2300 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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