

MODEL: BF-BD1500-60**440V | 1800rpm | 60Hz****ESP**

Standby Power

1500kVA**PRP**

Prime Power

1365kVA**ENGINE****Baudouin****12M33D1320E201****ALTERNATOR****STAMFORD****S6L1D-G4**

GENERAL FEATURES

Engine: Baudouin 12M33D1320E201

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	1804	1200kW/1500kVA	1092kW/1365kVA
460/266	60	3	0.8	1883	1200kW/1500kVA	1092kW/1365kVA
440/254	60	3	0.8	1968	1200kW/1500kVA	1092kW/1365kVA
416/240	60	3	0.8	2082	1200kW/1500kVA	1092kW/1365kVA

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-BD1500-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 12M33D1320E201
Air intake system	Turbocharged and Aftercooled
Fuel system	Mechanical Pump
Cylinder arrangement	12 in V
Displacement	39.2L
Bore and stroke	150 × 185 mm
Compression ratio	15
Rated speed	1800rpm
Max. Standby power at rated speed	1320kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	7699kg/h
Exhaust temperature	550°C
Max back pressure	7.5kPa

Air Intake System

Max intake restriction	6.5kPa
Combustion air flow	7423kg/h
Air flow required for radiator	2100 m ³ /min

**MODEL: BF-BD1500-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	202.4g/kWh	286.2L/h
Fuel consumption @ 75% (Prime Power) Load	201g/kWh	217.1L/h
Fuel consumption @ 50% (Prime Power) Load	209g/kWh	155.0L/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	1431kVA
Alternator Efficiency	94.9%

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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
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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

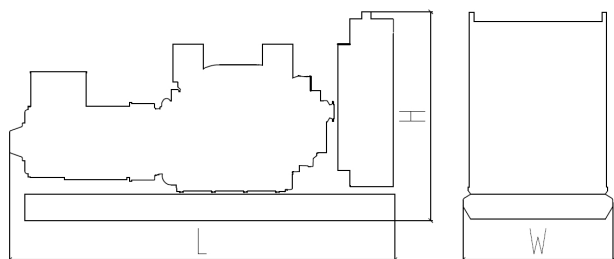
Paralleling system

Spare parts

Trailer type

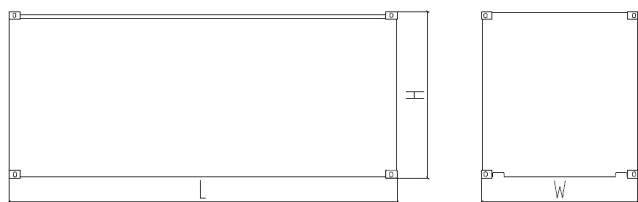
Switch box

Automatic transfer switch

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

Overall Dimensions: 4750×2200×2430 mm

Weight: 9100 kg

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

Overall Dimensions: 6058×2438×2896 mm

Weight: 14100 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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POWER GENERATION