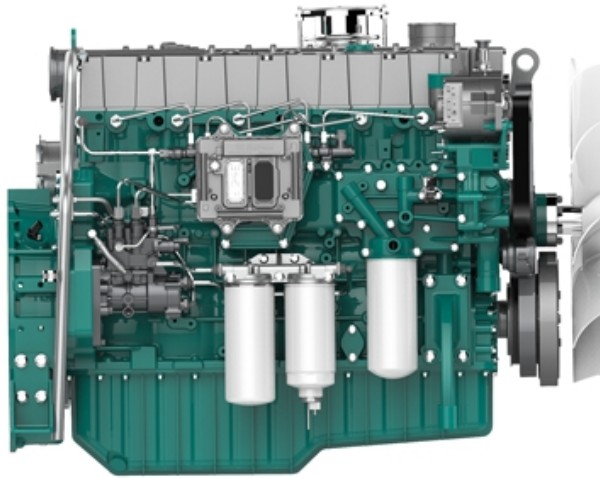


MODEL: BF-BD200-60
440V | 1800rpm | 60Hz


ESP Standby Power	200kVA	PRP Prime Power	180kVA
ENGINE	Baudouin	ALTERNATOR	STAMFORD
	6M11G160/6		UCI274F1

GENERAL FEATURES

Engine: Baudouin 6M11G160/6

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-BD200-60**440V | 1800rpm | 60Hz**

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	241	160kW/200kVA	144kW/180kVA
460/266	60	3	0.8	251	160kW/200kVA	144kW/180kVA
440/254	60	3	0.8	262	160kW/200kVA	144kW/180kVA
416/240	60	3	0.8	278	160kW/200kVA	144kW/180kVA

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.

Comprehensive Solutions For

POWER GENERATION

**MODEL: BF-BD200-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 6M11G160/6
Air intake system	Turbocharged and Aftercooled
Fuel system	Mechanical Pump
Cylinder arrangement	6 in line
Displacement	6.75L
Bore and stroke	105 × 130 mm
Compression ratio	18
Rated speed	1800rpm
Max. Standby power at rated speed	180kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	30.1 m ³ /min
Exhaust temperature	550°C
Max back pressure	6kPa

Air Intake System

Max intake restriction	6kPa
Combustion air flow	11.8 m ³ /min
Air flow required for radiator	358 m ³ /min

**MODEL: BF-BD200-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	205.0g/kWh	38.9L/h
Fuel consumption @ 75% (Prime Power) Load	204.2g/kWh	29.3L/h
Fuel consumption @ 50% (Prime Power) Load	209.9g/kWh	20.6L/h

Oil System

Total oil capacity	19L
Oil sump capacity	15-17L
Oil fuel consumption ratio based on engine fuel consumption data	$\leq 0.2\%$

Cooling System

Coolant capacity	20L
Max water temperature	105°C

**MODEL: BF-BD200-60****440V | 1800rpm | 60Hz**

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	190kVA
Alternator Efficiency	92.4%

**MODEL: BF-BD200-60****440V | 1800rpm | 60Hz**

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

MCCB

Base fuel tank

MODEL: BF-BD200-60**440V | 1800rpm | 60Hz****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: 2500×830×1410 mm

Weight: 1650 kg

**Soundproof Type**

Overall Dimensions: 3230×1170×1800 mm

Weight: 2350 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