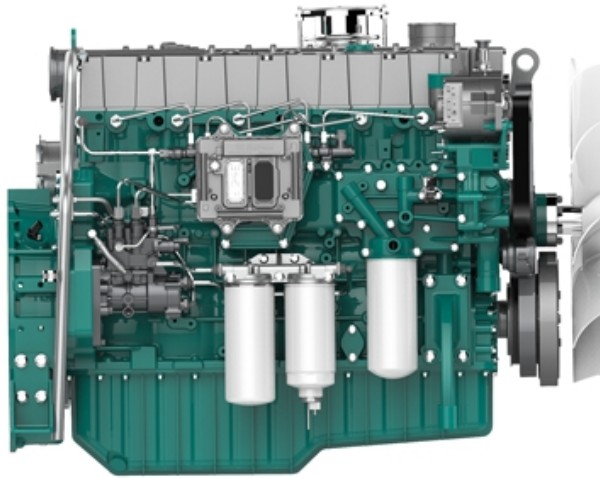


MODEL: BF-BD250-60
440V | 1800rpm | 60Hz


ESP Standby Power	250kVA	PRP Prime Power	230kVA
ENGINE	Baudouin 6M16G200/6	ALTERNATOR	STAMFORD UCI274H1

GENERAL FEATURES

Engine: Baudouin 6M16G200/6

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-BD250-60**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	301	200kW/250kVA	184kW/230kVA
460/266	60	3	0.8	314	200kW/250kVA	184kW/230kVA
440/254	60	3	0.8	328	200kW/250kVA	184kW/230kVA
416/240	60	3	0.8	347	200kW/250kVA	184kW/230kVA

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-BD250-60**440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 6M16G200/6
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Air intake system	Turbocharged and Aftercooled
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Fuel system	Mechanical Pump
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Cylinder arrangement	6 in line
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Displacement	9.726L
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Bore and stroke	126 × 130 mm
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Compression ratio	17
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Rated speed	1800rpm
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Max. Standby power at rated speed	238kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	48 m ³ /min
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Exhaust temperature	600°C
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Max back pressure	6kPa
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Air Intake System

Max intake restriction	7kPa
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Combustion air flow	18.5 m ³ /min
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Air flow required for radiator	481 m ³ /min
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**MODEL: BF-BD250-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	199.3g/kWh	49.9L/h
Fuel consumption @ 75% (Prime Power) Load	199.8g/kWh	38.3L/h
Fuel consumption @ 50% (Prime Power) Load	208.8g/kWh	28.0L/h

Oil System

Total oil capacity	30L
Oil sump capacity	19-22L
Oil fuel consumption ratio based on engine fuel consumption data	$\leq 0.2\%$

Cooling System

Coolant capacity	42L
Max water temperature	105°C



**MODEL: BF-BD250-60****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	245kVA
Alternator Efficiency	93.2%

MODEL: BF-BD250-60
440V | 1800rpm | 60Hz

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: BF-BD250-60**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: 2750×1020×1570 mm

Weight: 2200 kg

**Soundproof Type**

Overall Dimensions: 3590×1310×2050 mm

Weight: 3100 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