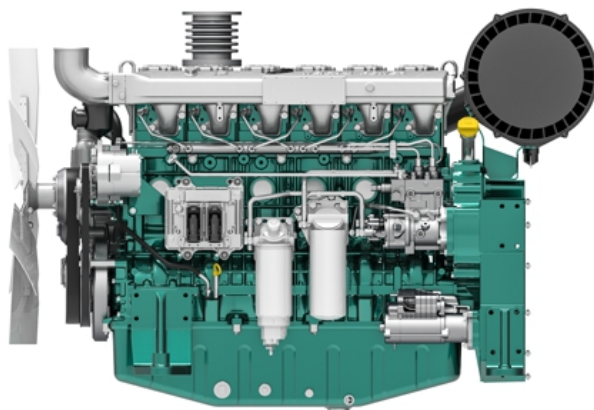


MODEL: BF-BD415-60**440V | 1800rpm | 60Hz****ESP**

Standby Power

415kVA**PRP**

Prime Power

380kVA**ENGINE****Baudouin****6M21G330/6****ALTERNATOR****STAMFORD****S4L1D-E41****GENERAL FEATURES**

Engine: Baudouin 6M21G330/6

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-BD415-60**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	499	332kW/415kVA	304kW/380kVA
460/266	60	3	0.8	521	332kW/415kVA	304kW/380kVA
440/254	60	3	0.8	545	332kW/415kVA	304kW/380kVA
416/240	60	3	0.8	576	332kW/415kVA	304kW/380kVA

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-BD415-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 6M21G330/6
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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	12.54L
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Bore and stroke	127 × 165 mm
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Compression ratio	16
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Rated speed	1800rpm
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Max. Standby power at rated speed	385kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	80 m ³ /min
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Exhaust temperature	580°C
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Max back pressure	12kPa
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Air Intake System

Max intake restriction	7kPa
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Combustion air flow	26.1 m ³ /min
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Air flow required for radiator	585 m ³ /min
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**MODEL: BF-BD415-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	197.6g/kWh	82.0L/h
Fuel consumption @ 75% (Prime Power) Load	197.1g/kWh	63.0L/h
Fuel consumption @ 50% (Prime Power) Load	203.5g/kWh	45.7L/h

Oil System

Total oil capacity	32L
Oil sump capacity	27-30L
Oil fuel consumption ratio based on engine fuel consumption data	$\leq 0.2\%$

Cooling System

Coolant capacity	45L
Max water temperature	105°C

**MODEL: BF-BD415-60****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	435kVA
Alternator Efficiency	93.3%

**MODEL: BF-BD415-60****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
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Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
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MODEL: BF-BD415-60**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: 2950×1110×1730 mm

Weight: 2900 kg

**Soundproof Type**

Overall Dimensions: 4230×1460×2150 mm

Weight: 4250 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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