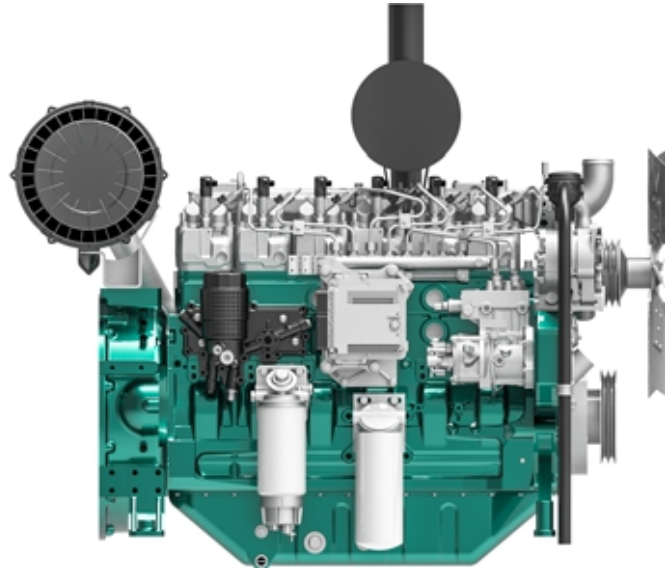


MODEL: BF-BD165-60
440V | 1800rpm | 60Hz


ESP Standby Power	165kVA	PRP Prime Power	150kVA
ENGINE	Baudouin 6M11G135/6	ALTERNATOR	STAMFORD UCI274E1

GENERAL FEATURES

Engine: Baudouin 6M11G135/6

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-BD165-60**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	198	132kW/165kVA	120kW/150kVA
460/266	60	3	0.8	207	132kW/165kVA	120kW/150kVA
440/254	60	3	0.8	217	132kW/165kVA	120kW/150kVA
416/240	60	3	0.8	229	132kW/165kVA	120kW/150kVA

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-BD165-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 6M11G135/6
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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	6.75L
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Bore and stroke	105 × 130 mm
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Compression ratio	18
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Rated speed	1800rpm
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Max. Standby power at rated speed	158kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	27.5 m ³ /min
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Exhaust temperature	550°C
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Max back pressure	6kPa
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Air Intake System

Max intake restriction	6kPa
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Combustion air flow	10.5 m ³ /min
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Air flow required for radiator	358 m ³ /min
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**MODEL: BF-BD165-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	199.7g/kWh	32.0L/h
Fuel consumption @ 75% (Prime Power) Load	201.2g/kWh	24.4L/h
Fuel consumption @ 50% (Prime Power) Load	209.6g/kWh	17.5L/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-BD165-60****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	167.5kVA
Alternator Efficiency	91.7%

**MODEL: BF-BD165-60****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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Base fuel tank

MODEL: BF-BD165-60

440V | 1800rpm | 60Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

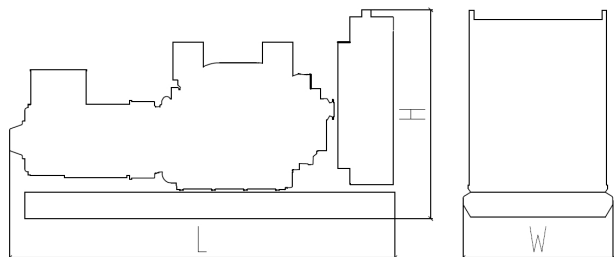
Spare parts

Trailer type

Switch box

Automatic transfer switch

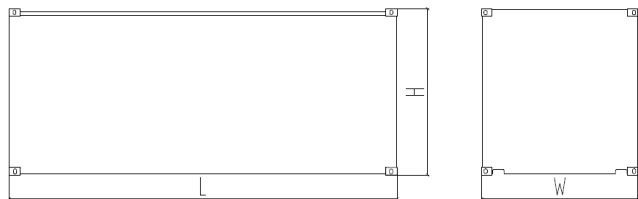
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2500×830×1410 mm

Weight: 1600 kg



Soundproof Type

Overall Dimensions: 3230×1170×1800 mm

Weight: 2300 kg

Specifications are subject to change without notice.

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POWER GENERATION