

MODEL: BF-BD1900-60**440V | 1800rpm | 60Hz****ESP**

Standby Power

1900kVA**PRP**

Prime Power

1750kVA**ENGINE****Baudouin****16M33G1500/6****ALTERNATOR****STAMFORD****PI734C1****GENERAL FEATURES**

Engine: Baudouin 16M33G1500/6

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

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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	2285	1520kW/1900kVA	1400kW/1750kVA
460/266	60	3	0.8	2385	1520kW/1900kVA	1400kW/1750kVA
440/254	60	3	0.8	2493	1520kW/1900kVA	1400kW/1750kVA
416/240	60	3	0.8	2637	1520kW/1900kVA	1400kW/1750kVA

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-BD1900-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 16M33G1500/6
Air intake system	Turbocharged and Aftercooled
Fuel system	High Pressure Common Rail
Cylinder arrangement	16 in V
Displacement	52.3L
Bore and stroke	150 × 185 mm
Compression ratio	15
Rated speed	1800rpm
Max. Standby power at rated speed	1680kW
Governor type	ECU

Exhaust System

Exhaust gas flow	384.8 m ³ /min
Exhaust temperature	550°C
Max back pressure	7.5kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	128 m ³ /min
Air flow required for radiator	2340 m ³ /min

**MODEL: BF-BD1900-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	197.3g/kWh	356.4L/h
Fuel consumption @ 75% (Prime Power) Load	194.1g/kWh	267.7L/h
Fuel consumption @ 50% (Prime Power) Load	201.3g/kWh	190.9L/h

Oil System

Total oil capacity	175L
Oil sump capacity	114-171L
Oil fuel consumption ratio based on engine fuel consumption data	$\leq 0.3\%$

Cooling System

Coolant capacity	542L
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	1815kVA
Alternator Efficiency	95.2%

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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)	$\leq +20\%$
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Transient voltage deviation (sudden power increase)	$\leq -15\%$
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Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
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Voltage recovery time (sudden power increase)	$\leq 4S$
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Related range of frequency setting	0-5% adjustable
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Steady-state frequency band	$\leq 0.5\%$
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Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
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Transient frequency deviation (sudden power increase)	$\leq -7\%$
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Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
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Frequency recovery time (sudden power increase)	$\leq 3S$
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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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OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

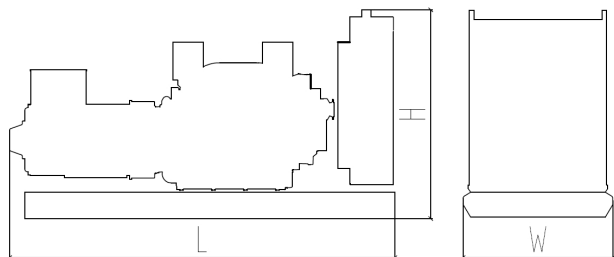
Spare parts

Trailer type

Switch box

Automatic transfer switch

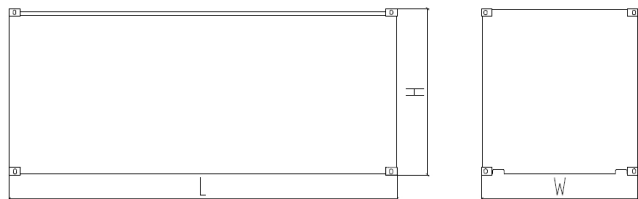
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 4750×2200×2430 mm

Weight: 9500 kg



Soundproof Type (standard 40'ft HQ container)

Overall Dimensions: 12192×2438×2896 mm

Weight: 19500 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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