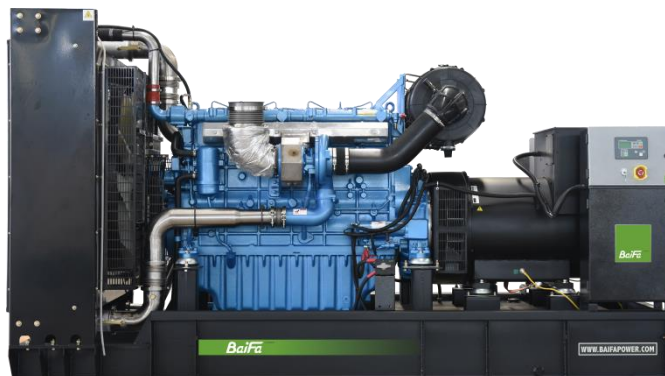


MODEL: BF-BD1000-III

400V | 1500rpm | 50Hz



ESP Standby Power	1000 kVA	PRP Prime Power	910 kVA
ENGINE	Baudouin 8M33G4D3/5	ALTERNATOR	STAMFORD S6L1D-D4

GENERAL FEATURES

Engine: Baudouin 8M33G4D3/5, certified for China Stage III emission standard

40°C radiator, fans are driven by belt, with safety guard

Vibration damper

24V charging alternator

Lead-acid batteries, rack and cables

Alternator: single bearing, IP23, insulation class H

Dry type air filter, fuel filter & oil filter

Standard control panel

Exhaust bellows, elbows, flange & muffler

User manual

MODEL: BF-BD1000-III**400V | 1500rpm | 50Hz****GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	1312	800kW/1000kVA	728kW/910kVA
415/240	50	3	0.8	1391	800kW/1000kVA	728kW/910kVA
400/230	50	3	0.8	1443	800kW/1000kVA	728kW/910kVA
380/220	50	3	0.8	1519	800kW/1000kVA	728kW/910kVA

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-BD1000-III**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Baudouin 8M33G4D3/5
Air intake system	Turbo, intercooling
Fuel system	High pressure common rail
Cylinder arrangement	8 cylinders in V
Displacement	26 L
Bore and stroke	150×185 mm
Compression ratio	15:1
Rated speed	1500rpm
Max. Standby power at rated speed	895KW
Governor type	ECU

Exhaust System

Exhaust gas flow	200 m ³ /min
Exhaust temperature	600°C
Max back pressure	7.5 kPa

Air Intake System

Max intake restriction	6.5 kPa
Combustion air flow	57.9 m ³ /min
Air flow required for radiator	1430 m ³ /min

MODEL: BF-BD1000-III

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	201.4 g/kWh	187 L/h
Fuel consumption @ 75% (Prime Power) Load	194.5 g/kWh	137 L/h
Fuel consumption @ 50% (Prime Power) Load	198.2 g/kWh	95 L/h

Oil System

Total oil capacity	108L
Oil consumption ratio based on fuel consumption data	≤ 0.3 %
Oil sump capacity	90-105L

Cooling System

Coolant capacity	152L
Max water temperature	101°C

MODEL: BF-BD1000-III

400V | 1500rpm | 50Hz

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	940kVA
Alternator Efficiency	95.0%

MODEL: BF-BD1000-III

400V | 1500rpm | 50Hz

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

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

MODEL: BF-BD1000-III

400V | 1500rpm | 50Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

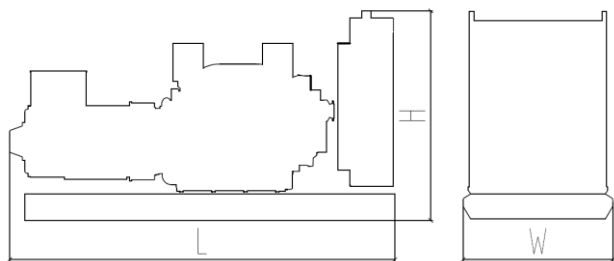
Spare parts

Trailer type

Switch box

Automatic transfer switch

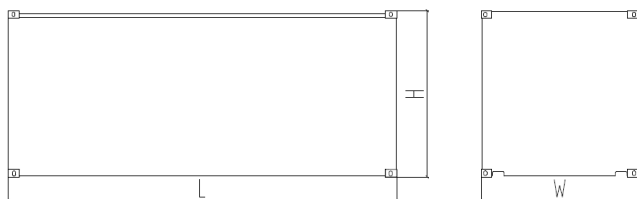
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 3900×1735×2210mm

Weight: 6660 kg



Soundproof Type (standard 20'ft HQ container)

Overall Dimensions: 6058×2438×2896 mm

Weight: 11660 kg

Specifications are subject to change without notice.

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POWER GENERATION