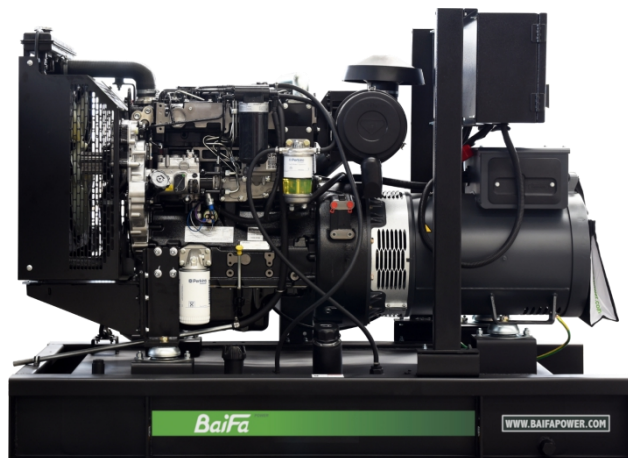


MODEL: BF-P10
400V | 1500rpm | 50Hz


ESP Standby Power	10 kVA	PRP Prime Power	9 kVA
ENGINE	Perkins 403D-11G	ALTERNATOR	STAMFORD SOL1-H1

GENERAL FEATURES

Engine: Perkins 403D-11G

Alternator: single bearing, IP23, insulation class H

50°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-P10****400V | 1500rpm | 50Hz**

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	13	8kW/10kVA	7.2kW/9kVA
415/240	50	3	0.8	14	8kW/10kVA	7.2kW/9kVA
400/230	50	3	0.8	14	8kW/10kVA	7.2kW/9kVA
380/220	50	3	0.8	15	8kW/10kVA	7.2kW/9kVA

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-P10****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 403D-11G
Air intake system	Natural aspirated
Fuel system	Indirect Injection
Cylinder arrangement	3 in line
Displacement	1.131L
Bore and stroke	77×81 mm
Compression ratio	23:1
Rated speed	1500rpm
Max. Standby power at rated speed	9.5KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	1.8 m ³ /min
Exhaust temperature	420°C
Max back pressure	10.2kPa

Air Intake System

Max intake restriction	6.4kPa
Combustion air flow	0.7 m ³ /min
Air flow required for radiator	40.2 m ³ /min

**MODEL: BF-P10****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	252 g/kWh	2.7 L/h
Fuel consumption @ 75% (Prime Power) Load	258 g/kWh	2.0 L/h
Fuel consumption @ 50% (Prime Power) Load	286 g/kWh	1.5 L/h

Oil System

Total oil capacity	4.9L
Oil consumption ratio based on fuel consumption data	N/A
Oil sump capacity	3.4-4.4L

Cooling System

Coolant capacity	5.2L
Max water temperature	112°C

**MODEL: BF-P10****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	10kVA
Alternator Efficiency	81.0%

**MODEL: BF-P10****400V | 1500rpm | 50Hz**

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

Oil drain valve

Starting batteries (maintenance-free & watering-free) with connective wires

MCCB

Base fuel tank

MODEL: BF-P10**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

Spare parts

Trailer type

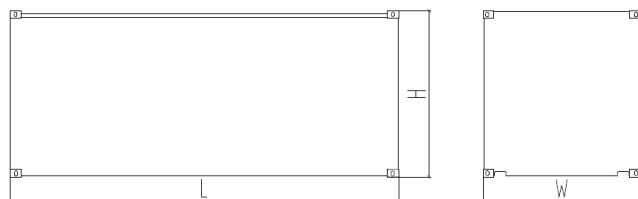
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type)**

Overall Dimensions: 1300×690×1320 mm

Weight: 280 kg

**Soundproof Type**

Overall Dimensions: 1710×880×1350 mm

Weight: 680 kg

*Specifications are subject to change without notice.***BAIFA POWER (WUXI) LTD.****WEBSITE: WWW.BAIFAPOWER.COM****EMAIL: MARKETING@BAIFAPOWER.COM****TEL: +86-510-85342633**

Comprehensive Solutions For

POWER GENERATION