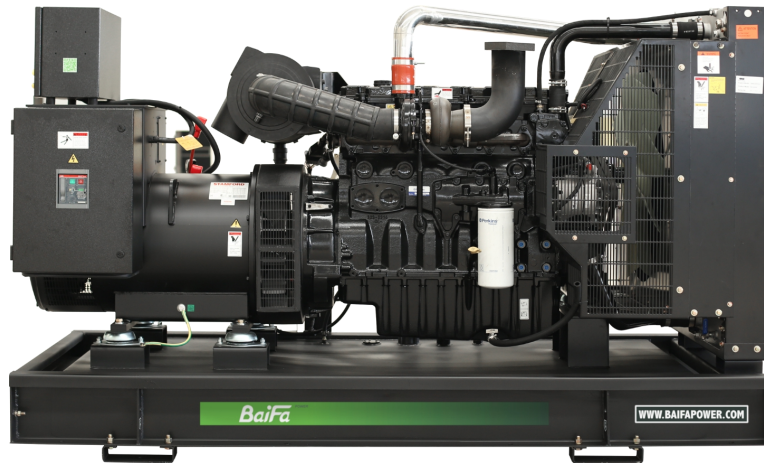


MODEL: BF-P450

400V | 1500rpm | 50Hz



ESP Standby Power	450 kVA	PRP Prime Power	400 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	2206C-E13TAG3		S4L1D-F41

GENERAL FEATURES

Engine: Perkins 2206C-E13TAG3

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-P450

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	590	360kW/450kVA	320kW/400kVA
415/240	50	3	0.8	626	360kW/450kVA	320kW/400kVA
400/230	50	3	0.8	650	360kW/450kVA	320kW/400kVA
380/220	50	3	0.8	684	360kW/450kVA	320kW/400kVA

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-P450**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 2206C-E13TAG3
Air intake system	Turbocharged, air to air charge cooling
Fuel system	MEUI
Cylinder arrangement	6 in line
Displacement	12.5L
Bore and stroke	130×157 mm
Compression ratio	16.3:1
Rated speed	1500rpm
Max. Standby power at rated speed	412.5KW
Governor type	Electronic

Exhaust System

Exhaust gas flow	75.8 m ³ /min
Exhaust temperature	630°C
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.4kPa
Combustion air flow	27.4 m ³ /min
Air flow required for radiator	563 m ³ /min



MODEL: BF-P450

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	206 g/kWh	86.6 L/h
Fuel consumption @ 75% (Prime Power) Load	210 g/kWh	66.4 L/h
Fuel consumption @ 50% (Prime Power) Load	218 g/kWh	47.1 L/h

Oil System

Total oil capacity	40L
Oil consumption ratio based on fuel consumption data	0.1%(As a percentage of fuel consumption)
Oil sump capacity	32.5~38L

Cooling System

Coolant capacity	51.4L
Max water temperature	104°C



MODEL: BF-P450**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	415kVA
Alternator Efficiency	93.2%

MODEL: BF-P450**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

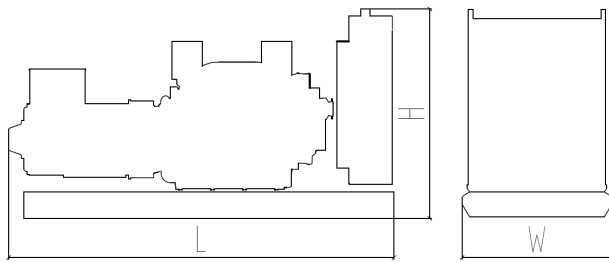
MODEL: BF-P450

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		

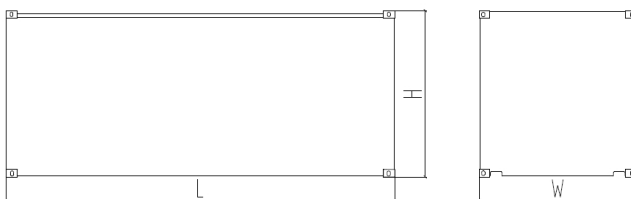
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 3100×1120×1788 mm

Weight: 3200 kg



Soundproof Type

Overall Dimensions: 4230×1460×2150 mm

Weight: 4550 kg

Specifications are subject to change without notice.

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Comprehensive Solutions For
POWER GENERATION

