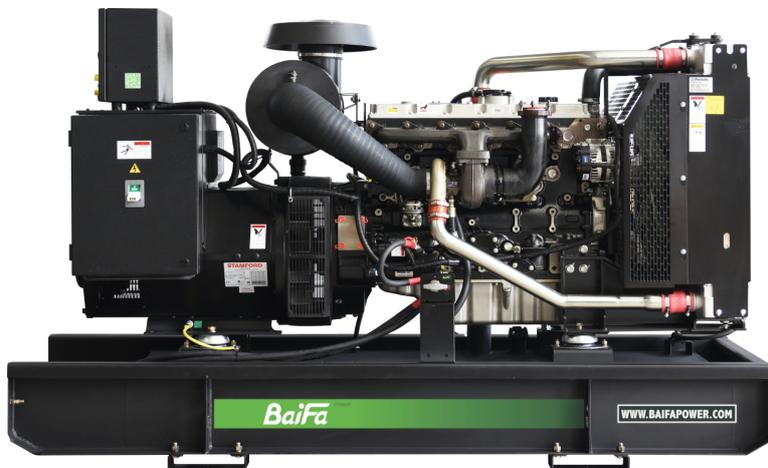


MODEL: BF-P200

400V | 1500rpm | 50Hz



ESP Standby Power	200 kVA	PRP Prime Power	182 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	1106A-70TAG3		UCI274G1

GENERAL FEATURES

Engine: Perkins 1106A-70TAG3

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-P200

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	262	160kW/200kVA	145kW/182kVA
415/240	50	3	0.8	278	160kW/200kVA	145kW/182kVA
400/230	50	3	0.8	289	160kW/200kVA	145kW/182kVA
380/220	50	3	0.8	304	160kW/200kVA	145kW/182kVA

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-P200**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 1106A-70TAG3
Air intake system	Turbocharged aftercooled
Fuel system	Direct Injection
Cylinder arrangement	6 in line
Displacement	7.01L
Bore and stroke	105×135 mm
Compression ratio	16:1
Rated speed	1500rpm
Max. Standby power at rated speed	180.2KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	33.85 m ³ /min
Exhaust temperature	491 °C
Max back pressure	6kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	13.87 m ³ /min
Air flow required for radiator	222 m ³ /min



MODEL: BF-P200

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	209.2 g/kWh	39.9 L/h
Fuel consumption @ 75% (Prime Power) Load	211.3 g/kWh	30.3 L/h
Fuel consumption @ 50% (Prime Power) Load	200.2 g/kWh	19.5 L/h

Oil System

Total oil capacity	18L
Oil consumption as a percentage of full load fuel consumption less than	0.1%(As a percentage of fuel consumption)
Oil sump capacity	12.5~16.1L

Cooling System

Coolant capacity	21L
Max water temperature	110°C



MODEL: BF-P200**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	182kVA
Alternator Efficiency	92.3%

MODEL: BF-P200**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)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

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		

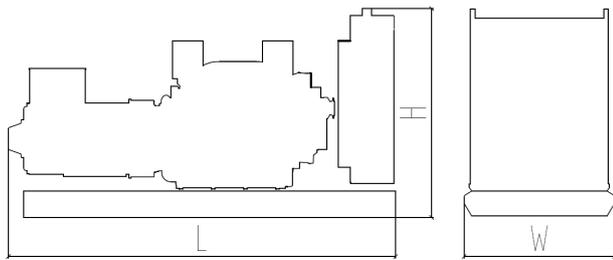
MODEL: BF-P200

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		

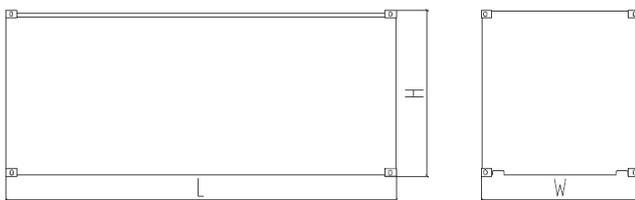
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2550 × 930 × 1670 mm

Weight: 1800 kg



Soundproof Type

Overall Dimensions: 3590 × 1250 × 2050 mm

Weight: 2450 kg

Specifications are subject to change without notice.

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Comprehensive Solutions For
POWER GENERATION

