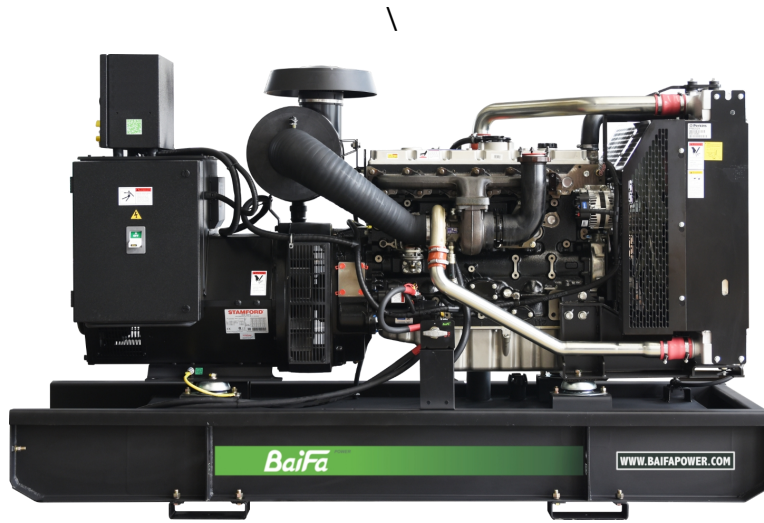


MODEL: BF-P275

400V | 1500rpm | 50Hz



ESP Standby Power	275 kVA	PRP Prime Power	250 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	1506A-E88TAG3		UCDI274K1

GENERAL FEATURES

Engine: Perkins 1506A-E88TAG3	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-P275

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	361	220kW/275kVA	200kW/250kVA
415/240	50	3	0.8	383	220kW/275kVA	200kW/250kVA
400/230	50	3	0.8	397	220kW/275kVA	200kW/250kVA
380/220	50	3	0.8	418	220kW/275kVA	200kW/250kVA

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-P275**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 1506A-E88TAG3
Air intake system	Turbocharged, air to air charge cooling
Fuel system	Direct Injection
Cylinder arrangement	6 in line
Displacement	8.8L
Bore and stroke	112×149 mm
Compression ratio	16.1:1
Rated speed	1500rpm
Max. Standby power at rated speed	258KW
Governor type	Electronic

Exhaust System

Exhaust gas flow	40.4 m ³ /min
Exhaust temperature	558°C
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	15 m ³ /min
Air flow required for radiator	370 m ³ /min



MODEL: BF-P275

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	199.4 g/kWh	52.5 L/h
Fuel consumption @ 75% (Prime Power) Load	199.3 g/kWh	39.5 L/h
Fuel consumption @ 50% (Prime Power) Load	207.9 g/kWh	28.2 L/h

Oil System

Total oil capacity	41L
Oil consumption ratio based on fuel consumption data	0.1%(As a percentage of fuel consumption)
Oil sump capacity	36-39L

Cooling System

Coolant capacity	30L
Max water temperature	107°C



MODEL: BF-P275
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	250kVA
Alternator Efficiency	92.7%

MODEL: BF-P275**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
Base fuel tank		

MODEL: BF-P275

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		

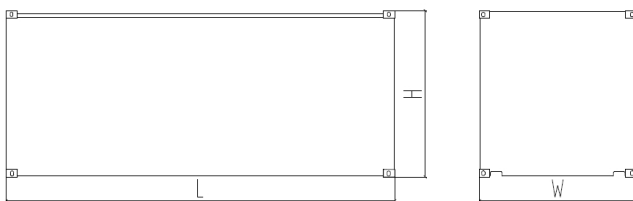
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2650×1210×1670 mm

Weight: 2540 kg



Soundproof Type

Overall Dimensions: 3590×1250×2050 mm

Weight: 3380 kg

Specifications are subject to change without notice.

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Comprehensive Solutions For
POWER GENERATION

