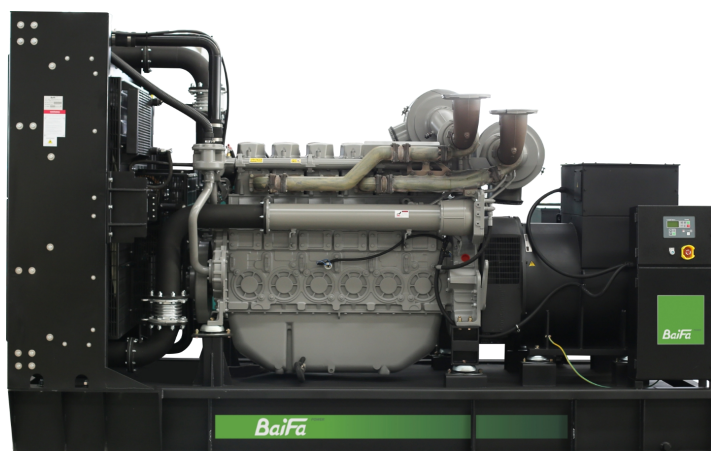


MODEL: BF-P880
400V | 1500rpm | 50Hz


ESP Standby Power	880 kVA	PRP Prime Power	800 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	4006-23TAG3A		S6L1D-C4

GENERAL FEATURES

Engine: Perkins 4006-23TAG3A

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-P880**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	1155	704kW/880kVA	640kW/800kVA
415/240	50	3	0.8	1224	704kW/880kVA	640kW/800kVA
400/230	50	3	0.8	1270	704kW/880kVA	640kW/800kVA
380/220	50	3	0.8	1337	704kW/880kVA	640kW/800kVA

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-P880****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 4006-23TAG3A
Air intake system	Turbocharged
Fuel system	Direct Injection
Cylinder arrangement	6 in line
Displacement	23L
Bore and stroke	160×190 mm
Compression ratio	13.6:1
Rated speed	1500rpm
Max. Standby power at rated speed	786kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	193 m ³ /min
Exhaust temperature	500°C
Max back pressure	6.1kPa

Air Intake System

Max intake restriction	3.8kPa
Combustion air flow	73 m ³ /min
Air flow required for radiator	800 m ³ /min

**MODEL: BF-P880****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	210 g/kWh	172 L/h
Fuel consumption @ 75% (Prime Power) Load	210 g/kWh	130 L/h
Fuel consumption @ 50% (Prime Power) Load	213 g/kWh	89 L/h

Oil System

Total oil capacity	113L
Oil consumption as a percentage of full load fuel consumption less than	0.25%(As a percentage of fuel consumption)
Oil sump capacity	90.7-113L

Cooling System

Coolant capacity	105L
Max water temperature	98°C

**MODEL: BF-P880****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	810kVA
Alternator Efficiency	94.4%

**MODEL: BF-P880****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
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Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
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MODEL: BF-P880**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

Spare parts

Trailer type

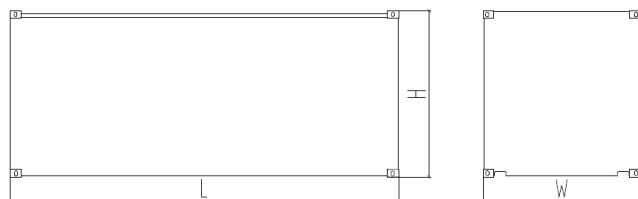
Switch box

Automatic transfer switch

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

Overall Dimensions: 3965×1710×2200 mm

Weight: 5500 kg

**Soundproof Type**

Overall Dimensions: 5800×1800×2550 mm

Weight: 7550 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