

**MODEL: BF-P300-60**

**440V | 1800rpm | 60Hz**



<b>ESP</b> Standby Power	<b>330kVA</b>	<b>PRP</b> Prime Power	<b>300kVA</b>
<b>ENGINE</b>	<b>Perkins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>1506A-E88TAG5</b>		<b>S4L1D-C41</b>

**GENERAL FEATURES**

Engine: Perkins 1506A-E88TAG5

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

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### GENERATOR RATINGS

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	397	264kW/330kVA	240kW/300kVA
460/266	60	3	0.8	414	264kW/330kVA	240kW/300kVA
440/254	60	3	0.8	433	264kW/330kVA	240kW/300kVA
416/240	60	3	0.8	458	264kW/330kVA	240kW/300kVA

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-P300-60****440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 1506A-E88TAG5
Air intake system	Air to air aftercooled, turbocharged
Fuel system	Direct injection
Cylinder arrangement	6 in line
Displacement	8.8L
Bore and stroke	112×149 mm
Compression ratio	16.1
Rated speed	1800rpm
Max. Standby power at rated speed	358kW
Governor type	ECM

**Exhaust System**

Exhaust gas flow	59.6 m <sup>3</sup> /min
Exhaust temperature	512°C
Max back pressure	10kPa

**Air Intake System**

Max intake restriction	6.2kPa
Combustion air flow	23.6 m <sup>3</sup> /min
Air flow required for radiator	482 m <sup>3</sup> /min

**MODEL: BF-P300-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	201.1 g/kWh	64.1 L/h
Fuel consumption @ 75% (Prime Power) Load	197.5 g/kWh	48.0 L/h
Fuel consumption @ 50% (Prime Power) Load	202.7 g/kWh	33.9 L/h

**Oil System**

Total oil capacity	41L
Oil sump capacity	36-39L
Oil consumption at full load as a % of fuel consumption	<0.1%

**Cooling System**

Coolant capacity	33L
Max water temperature	107°C

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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	310kVA
Alternator Efficiency	92.1%

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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

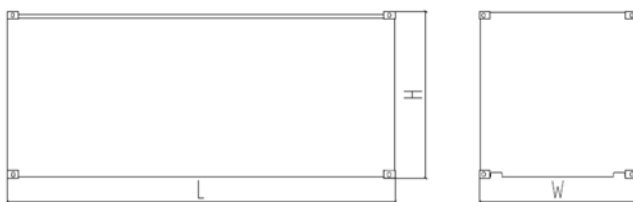
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**OPTIONS**

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: 2890×1310×1690 mm

Weight: 2650kg

**Soundproof Type**

Overall Dimensions: 3890×1460×2150 mm

Weight: 3800kg

*Specifications are subject to change without notice.*

**BAIFA POWER (WUXI) LTD.**  
**WEBSITE: WWW.BAIFAPOWER.COM**  
**EMAIL: MARKETING@BAIFAPOWER.COM**  
**TEL: +86-510-85342633**

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**POWER GENERATION**

