

MODEL: BF-P720-60

440V | 1800rpm | 60Hz



ESP Standby Power	750kVA	PRP Prime Power	681kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	2806C-E18TAG3		HCI544E1

GENERAL FEATURES

Engine: Perkins 2806C-E18TAG3

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	902	600kW/750kVA	545kW/681kVA
460/266	60	3	0.8	941	600kW/750kVA	545kW/681kVA
440/254	60	3	0.8	984	600kW/750kVA	545kW/681kVA
416/240	60	3	0.8	1041	600kW/750kVA	545kW/681kVA

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.

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Manufacturer / Model	Perkins 2806C-E18TAG3
Air intake system	Turbocharged, air-to-air charge cooling
Fuel system	Direct injection
Cylinder arrangement	6 in line
Displacement	18.13L
Bore and stroke	145×183 mm
Compression ratio	14.5
Rated speed	1800rpm
Max. Standby power at rated speed	678.2kW
Governor type	ECM

Exhaust System

Exhaust gas flow	141 m ³ /min
Exhaust temperature	554°C
Max back pressure	6.9kPa

Air Intake System

Max intake restriction	6.35kPa
Combustion air flow	52 m ³ /min
Air flow required for radiator	852 m ³ /min

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Fuel consumption @ 100% (Prime Power) Load	211 g/kWh	146.3 L/h
Fuel consumption @ 75% (Prime Power) Load	217 g/kWh	113.3 L/h
Fuel consumption @ 50% (Prime Power) Load	230 g/kWh	81.5 L/h

Oil System

Total oil capacity	62L
Oil sump capacity	45-53L
Oil consumption at full load as a % of fuel consumption	<0.1%

Cooling System

Coolant capacity	61L
Max water temperature	103°C

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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	713kVA
Alternator Efficiency	94.9%

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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

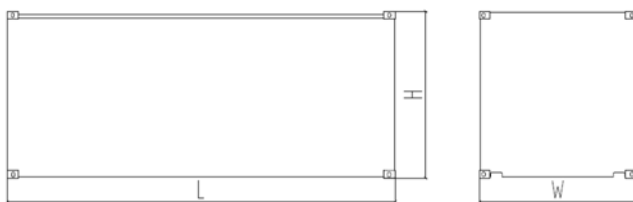
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OPTIONS

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: 3600×1400×2100 mm

Weight: 4600kg

Soundproof Type

Overall Dimensions: 5030×1660×2550 mm

Weight: 6100kg

Specifications are subject to change without notice.

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