

MODEL: BF-P550-60

440V | 1800rpm | 60Hz



ESP Standby Power	625kVA	PRP Prime Power	568kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	2506C-E15TAG3		HCI544D1

GENERAL FEATURES

Engine: Perkins 2506C-E15TAG3

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	752	500kW/625kVA	454kW/568kVA
460/266	60	3	0.8	784	500kW/625kVA	454kW/568kVA
440/254	60	3	0.8	820	500kW/625kVA	454kW/568kVA
416/240	60	3	0.8	867	500kW/625kVA	454kW/568kVA

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 2506C-E15TAG3
Air intake system	Turbocharged, air-to-air charge cooling
Fuel system	Direct injection
Cylinder arrangement	6 in line
Displacement	15.2L
Bore and stroke	137×171 mm
Compression ratio	16
Rated speed	1800rpm
Max. Standby power at rated speed	568kW
Governor type	ECM

Exhaust System

Exhaust gas flow	112 m ³ /min
Exhaust temperature	550°C
Max back pressure	6.8kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	42 m ³ /min
Air flow required for radiator	866 m ³ /min

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Fuel consumption @ 100% (Prime Power) Load	211 g/kWh	123.0 L/h
Fuel consumption @ 75% (Prime Power) Load	223 g/kWh	98.0 L/h
Fuel consumption @ 50% (Prime Power) Load	268.5 g/kWh	80.5 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	58L
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	594kVA
Alternator Efficiency	94.6%

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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

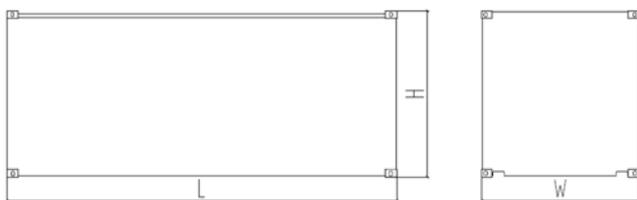
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OPTIONS

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: 3400×1270×1974 mm

Weight: 4200kg

Soundproof Type

Overall Dimensions: 4630×1660×2250 mm

Weight: 5700kg

Specifications are subject to change without notice.

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