

MODEL: BF-P275-60

440V | 1800rpm | 60Hz



ESP Standby Power	308kVA	PRP Prime Power	280kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	1506A-E88TAG3		UCDI274J1

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

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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	370	246kW/308kVA	224kW/280kVA
460/266	60	3	0.8	387	246kW/308kVA	224kW/280kVA
440/254	60	3	0.8	404	246kW/308kVA	224kW/280kVA
416/240	60	3	0.8	427	246kW/308kVA	224kW/280kVA

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 1506A-E88TAG3
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	297kW
Governor type	ECM

Exhaust System

Exhaust gas flow	48.9 m ³ /min
Exhaust temperature	496°C
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	19.8 m ³ /min
Air flow required for radiator	482 m ³ /min

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Fuel consumption @ 100% (Prime Power) Load	198.5 g/kWh	59.1 L/h
Fuel consumption @ 75% (Prime Power) Load	199.3 g/kWh	45.4 L/h
Fuel consumption @ 50% (Prime Power) Load	208.4 g/kWh	32.7 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	30L
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	281kVA
Alternator Efficiency	92.8%

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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

Base fuel tank

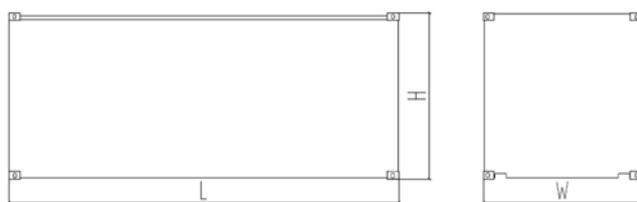
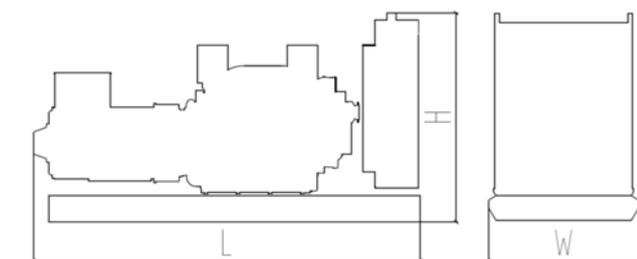
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OPTIONS

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: 2650×1210×1670 mm

Weight: 2350kg

Soundproof Type

Overall Dimensions: 3590×1310×2050 mm

Weight: 3250kg

Specifications are subject to change without notice.

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