

MODEL: BF-P1375

400V | 1500rpm | 50Hz



ESP Standby Power	1375 kVA	PRP Prime Power	1250 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	4012-46TWG2A		S6L1D-G4

GENERAL FEATURES

Engine: Perkins 4012-46TWG2A	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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Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	1804	1100kW/1375kVA	1000kW/1250kVA
415/240	50	3	0.8	1913	1100kW/1375kVA	1000kW/1250kVA
400/230	50	3	0.8	1985	1100kW/1375kVA	1000kW/1250kVA
380/220	50	3	0.8	2089	1100kW/1375kVA	1000kW/1250kVA

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.

Comprehensive Solutions For

POWER GENERATION

MODEL: BF-P1375**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 4012-46TWG2A
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Air intake system	Turbocharged
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Fuel system	Direct Injection
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Cylinder arrangement	12 in V
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Displacement	46L
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Bore and stroke	160×190 mm
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Compression ratio	13:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	1217kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	230 m ³ /min
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Exhaust temperature	422°C
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Max back pressure	5kPa
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Air Intake System

Max intake restriction	4kPa
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Combustion air flow	109 m ³ /min
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Air flow required for radiator	1900 m ³ /min
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Fuel System

Fuel consumption @ 100% (Prime Power) Load	212 g/kWh	274 L/h
Fuel consumption @ 75% (Prime Power) Load	216 g/kWh	211 L/h
Fuel consumption @ 50% (Prime Power) Load	233 g/kWh	156 L/h

Oil System

Total oil capacity	177L
Oil consumption	0.52g/kWh
Oil sump capacity	115-158L

Cooling System

Coolant capacity	220L
Max water temperature	101°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	1260kVA
Alternator Efficiency	94.8%

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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)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

STANDARD FEATURES

Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	

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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		

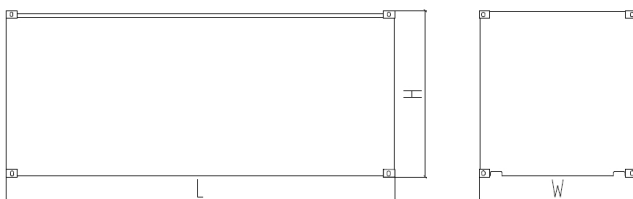
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 4700×1780×2480 mm

Weight: 9500 kg



Soundproof Type (standard 20'ft GP container)

Overall Dimensions: 6058×2438×2591 mm

Weight: 14500 kg

Specifications are subject to change without notice.

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