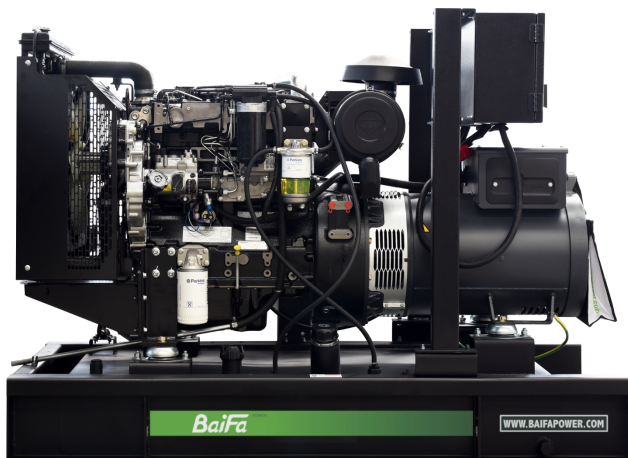


MODEL: BF-P34
400V | 1500rpm | 50Hz


ESP Standby Power	33 kVA	PRP Prime Power	30 kVA
ENGINE	Perkins 1103A-33G	ALTERNATOR	STAMFORD SOL2-P1

GENERAL FEATURES

Engine: Perkins 1103A-33G

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

**MODEL: BF-P34****400V | 1500rpm | 50Hz**

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	43	26.4kW/33kVA	24kW/30kVA
415/240	50	3	0.8	46	26.4kW/33kVA	24kW/30kVA
400/230	50	3	0.8	48	26.4kW/33kVA	24kW/30kVA
380/220	50	3	0.8	50	26.4kW/33kVA	24kW/30kVA

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-P34****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 1103A-33G
Air intake system	Natural aspirated
Fuel system	Direct Injection
Cylinder arrangement	3 in line
Displacement	3.3L
Bore and stroke	105×127 mm
Compression ratio	19.25:1
Rated speed	1500rpm
Max. Standby power at rated speed	31KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	5.8 m ³ /min
Exhaust temperature	520°C
Max back pressure	10kPa

Air Intake System

Max intake restriction	8kPa
Combustion air flow	2.15 m ³ /min
Air flow required for radiator	53 m ³ /min

**MODEL: BF-P34****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	211 g/kWh	7.0 L/h
Fuel consumption @ 75% (Prime Power) Load	216 g/kWh	5.2 L/h
Fuel consumption @ 50% (Prime Power) Load	235.4 g/kWh	3.8 L/h

Oil System

Total oil capacity	8.3L
Oil consumption as a percentage of full load fuel consumption less than	0.15%(As a percentage of fuel consumption)
Oil sump capacity	6.2-7.8L

Cooling System

Coolant capacity	10.2L
Max water temperature	110°C



**MODEL: BF-P34****400V | 1500rpm | 50Hz**

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	30kVA
Alternator Efficiency	87.0%

**MODEL: BF-P34****400V | 1500rpm | 50Hz**

GENERATING SET DATA

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

MCCB

Base fuel tank

MODEL: BF-P34**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

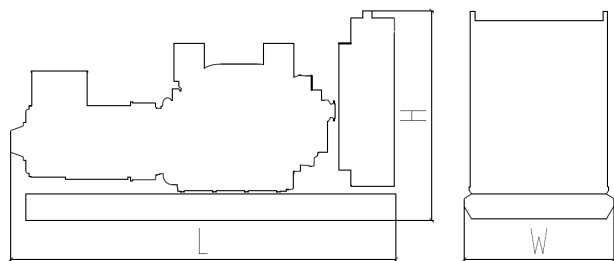
Paralleling system

Spare parts

Trailer type

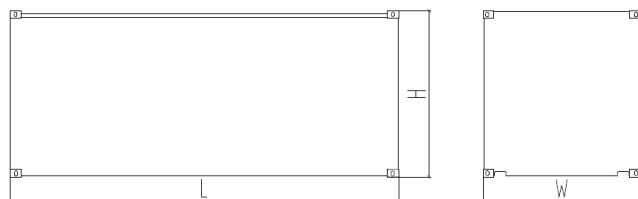
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type)**

Overall Dimensions: 1470×690×1320 mm

Weight: 750 kg

**Soundproof Type**

Overall Dimensions: 1910×880×1450 mm

Weight: 1050 kg

*Specifications are subject to change without notice.***BAIFA POWER (WUXI) LTD.****WEBSITE: WWW.BAIFAPOWER.COM****EMAIL: MARKETING@BAIFAPOWER.COM****TEL: +86-510-85342633**

Comprehensive Solutions For

POWER GENERATION