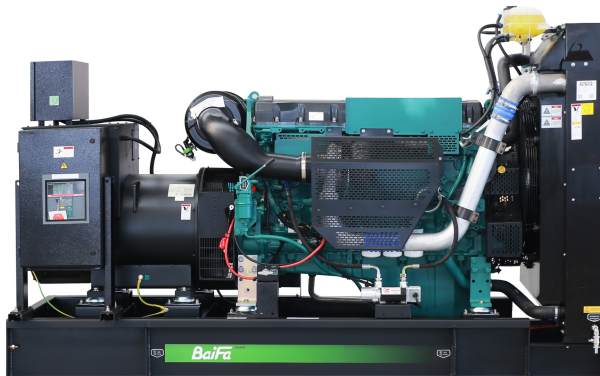


MODEL: BF-V400-III

400V | 1500rpm | 50Hz



ESP

Standby Power

415 kVA

PRP

Prime Power

360 kVA

ENGINE

VOLVO

TAD1354GE

ALTERNATOR

STAMFORD

S4L1D-E41

## GENERAL FEATURES

Engine: VOLVO TAD1354GE, certified for China Stage III emission standard

Alternator: single bearing, IP23, insulation class H

55°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-V400-III****400V | 1500rpm | 50Hz**

## GENERATOR RATINGS

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	525	320/400	280/350
415/240	50	3	0.8	556	320/400	280/350
400/230	50	3	0.8	577	320/400	280/350
380/220	50	3	0.8	586	320/400	280/350

**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-V400-III****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	VOLVO TAD1354GE
Air intake system	Turbo, Air/Air Cooling
Fuel system	Common-rail fuel injection system
Cylinder arrangement	L 6
Displacement	12.78L
Bore and stroke	131×158 (mm)
Compression ratio	18.1
Rated speed	1500rpm
Max. Standby power at rated speed	361KW/491HP (with fan)
Governor type	EMS2.2

**Exhaust System**

Exhaust gas flow	59 m <sup>3</sup> /min
Exhaust temperature	500 °C
Max back pressure	10kPa

**Air Intake System**

Max intake restriction	5kPa
Combustion air flow	24 m <sup>3</sup> /min
Air flow required for radiator	366 m <sup>3</sup> /min

**MODEL: BF-V400-III****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load

196 g/kWh

71.2 L/h

Fuel consumption @ 75% (Prime Power) Load

204 g/kWh

55.0 L/h

Fuel consumption @ 50% (Prime Power) Load

216 g/kWh

38.8 L/h

**Oil System**

Total oil capacity

36L

Oil consumption

0.04L/h

Oil sump capacity

19~30L

**Cooling System**

Coolant capacity

44L

Max water temperature

107°C

**MODEL: BF-V400-III****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	360kVA
Alternator Efficiency	93.3%

**MODEL: BF-V400-III**
**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)	$\leq +20\%$
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	Special coolant

MCCB

**MODEL: BF-V400-III****400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

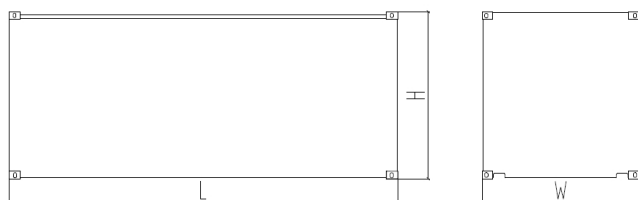
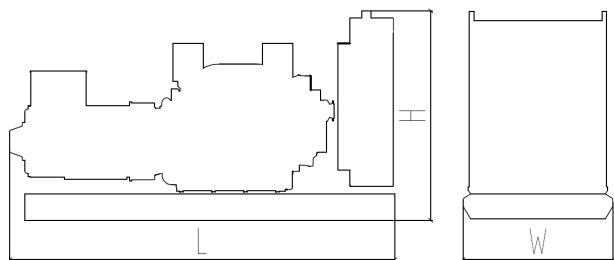
Paralleling system

Spare parts

Trailer type

Switch box

Automatic transfer switch

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

Overall Dimensions: 3100×1200×1800 mm

Weight: 2770 kg

**Standard Configuration (with base fuel tank)**

Overall Dimensions: 3100×1200×1800 mm

Weight: 2900 kg

**Soundproof Type**

Overall Dimensions: 3890×1460×2150 mm

Weight: 4200 kg

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

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