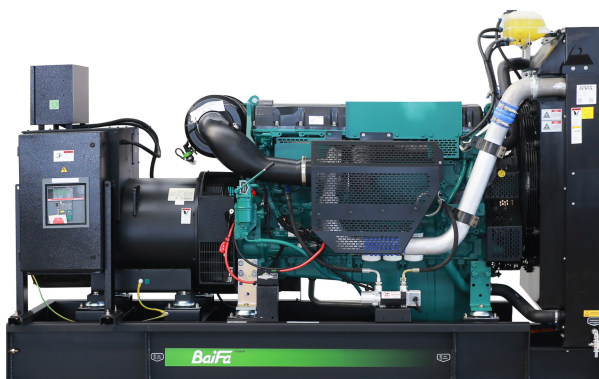


MODEL: BF-V450-III

400V | 1500rpm | 50Hz



ESP

Standby Power

450 kVA

PRP

Prime Power

410 kVA

ENGINE

VOLVO

TAD1355GE

ALTERNATOR

STAMFORD

S4L1D-F41

GENERAL FEATURES

Engine: VOLVO TAD1355GE, 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-V450-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	590	360/450	328/410
415/240	50	3	0.8	626	360/450	328/410
400/230	50	3	0.8	649	360/450	328/410
380/220	50	3	0.8	684	360/450	328/410

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-V450-III****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	VOLVO TAD1355GE
Air intake system	Turbo, Air/Air Cooling
Fuel system	Common-rail fuel injection system
Cylinder arrangement	12.78L
Displacement	131×158 (mm)
Bore and stroke	18.1
Compression ratio	1500rpm
Rated speed	12.78L
Max. Standby power at rated speed	390KW/530HP (with fan)
Governor type	EMS2.2

Exhaust System

Exhaust gas flow	61 m ³ /min
Exhaust temperature	501 °C
Max back pressure	10kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	24 m ³ /min
Air flow required for radiator	402 m ³ /min

**MODEL: BF-V450-III****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	192 g/kWh	79.5 L/h
Fuel consumption @ 75% (Prime Power) Load	205 g/kWh	63.0 L/h
Fuel consumption @ 50% (Prime Power) Load	222 g/kWh	45.4 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-V450-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	415kVA
Alternator Efficiency	93.2%

MODEL: BF-V450-III
400V | 1500rpm | 50Hz

GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
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Steady-state voltage deviation	$\leq \pm 1\%$
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Transient voltage deviation (100 % sudden power decrease)	$\leq +20\%$
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Transient voltage deviation (sudden power increase)	$\leq -15\%$
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Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
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Voltage recovery time (sudden power increase)	$\leq 4S$
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Related range of frequency setting	0-5% adjustable
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Steady-state frequency band	$\leq 0.5\%$
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Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
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Transient frequency deviation (sudden power increase)	$\leq -7\%$
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Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
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Frequency recovery time (sudden power increase)	$\leq 3S$
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STANDARD FEATURES

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

MODEL: BF-V450-III**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

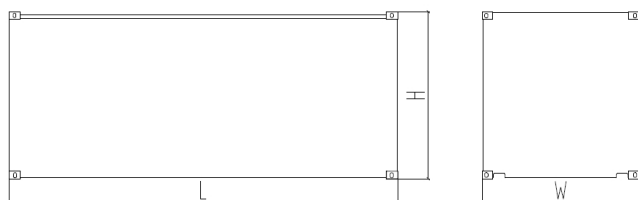
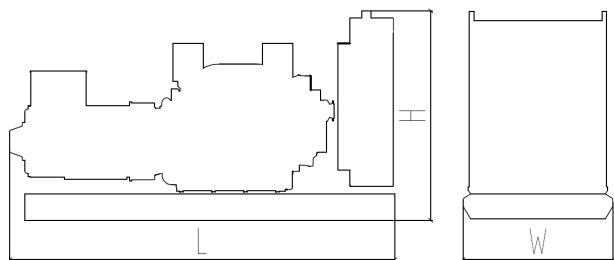
Paralleling system

Spare parts

Trailer type

Switch box

Automatic transfer switch

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

Overall Dimensions: 3200×1200×1800 mm

Weight: 3200 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3200×1200×1800 mm

Weight: 3300 kg

Soundproof Type

Overall Dimensions: 4090×1460×2150 mm

Weight: 4500 kg

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

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POWER GENERATION