

MODEL: BF-V95-III

400V | 1500rpm | 50Hz



ESP Standby Power	94 kVA	PRP Prime Power	85 kVA
ENGINE	VOLVO TAD550GE	ALTERNATOR	STAMFORD UCI224G1

GENERAL FEATURES

Engine: VOLVO TAD550GE, 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

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Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	123	75/94	68/85
415/240	50	3	0.8	130	75/94	68/85
400/230	50	3	0.8	135	75/94	68/85
380/220	50	3	0.8	142	75/94	68/85

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO8528) ; 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-V95-III****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	VOLVO/TAD550GE
Air intake system	Turbo, Air/Air Cooling
Fuel system	Common-rail fuel injection system
Cylinder arrangement	4 in line
Displacement	4.76L
Bore and stroke	108×130 (mm)
Compression ratio	18.0
Rated speed	1500rpm
Max. Standby power at rated speed	84KW/115HP (with fan)
Governor type	EMS2

Exhaust System

Exhaust gas flow	18.8 m ³ /min
Exhaust temperature	565 °C
Max back pressure	7 kPa

Air Intake System

Max intake restriction	5 kPa
Combustion air flow	7 m ³ /min
Air flow required for radiator	102 m ³ /min

**MODEL: BF-V95-III****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	231 g/kWh	20.5 L/h
Fuel consumption @ 75% (Prime Power) Load	253 g/kWh	16.7 L/h
Fuel consumption @ 50% (Prime Power) Load	275 g/kWh	12.1 L/h

Oil System

Total oil capacity	21L
Oil consumption	0.03L/h
Oil sump capacity	15~19L

Cooling System

Coolant capacity	22L
Max water temperature	105°C

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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	85kVA
Alternator Efficiency	90.2%

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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
Base fuel tank	MCCB	

MODEL: BF-V95-III**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

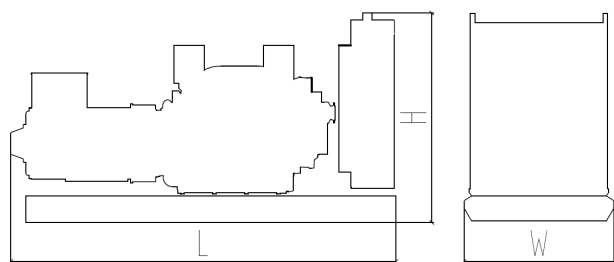
Paralleling system

Spare parts

Trailer type

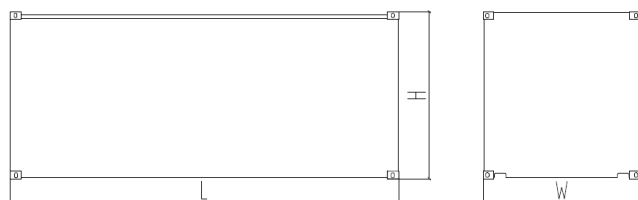
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type with base fuel tank)**

Overall Dimensions: 2200×950×1550 mm

Weight: 1290 kg

**Soundproof Type**

Overall Dimensions: 2810×1140×1830 mm

Weight: 1850 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