

MODEL: BF-V275-III

400V | 1500rpm | 50Hz



ESP

Standby Power

275 kVA

PRP

Prime Power

250 kVA

ENGINE

VOLVO

TAD754GE

ALTERNATOR

STAMFORD

UCDI274K1

GENERAL FEATURES

Engine: VOLVO TAD754GE, 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-V275-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	361	220/275	200/250
415/240	50	3	0.8	383	220/275	200/250
400/230	50	3	0.8	397	220/275	200/250
380/220	50	3	0.8	418	220/275	200/250

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-V275-III****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	VOLVO TAD754GE
Air intake system	Turbo, Air/Air Cooling
Fuel system	Common-rail fuel injection system
Cylinder arrangement	6 in line
Displacement	7.15L
Bore and stroke	108×130 (mm)
Compression ratio	18.0
Rated speed	1500rpm
Max. Standby power at rated speed	242KW/329HP (with fan)
Governor type	EMS2.2

Exhaust System

Exhaust gas flow	40.3 m ³ /min
Exhaust temperature	550 °C
Max back pressure	7kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	12.6 m ³ /min
Air flow required for radiator	258 m ³ /min

**MODEL: BF-V275-III****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	210 g/kWh	53.3 L/h
Fuel consumption @ 75% (Prime Power) Load	225 g/kWh	42.5 L/h
Fuel consumption @ 50% (Prime Power) Load	235 g/kWh	29.6 L/h

Oil System

Total oil capacity	34L
Oil consumption	0.05L/h
Oil sump capacity	25~31L

Cooling System

Coolant capacity	34L
Max water temperature	109°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	250kVA
Alternator Efficiency	92.7%

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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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Base fuel tank	MCCB
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OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

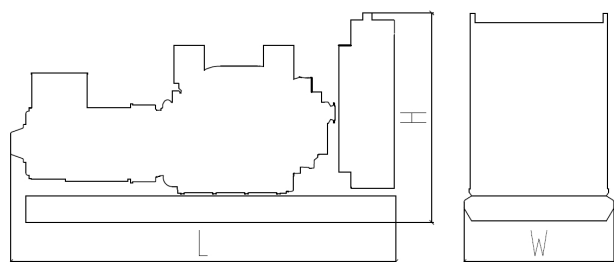
Spare parts

Trailer type

Switch box

Automatic transfer switch

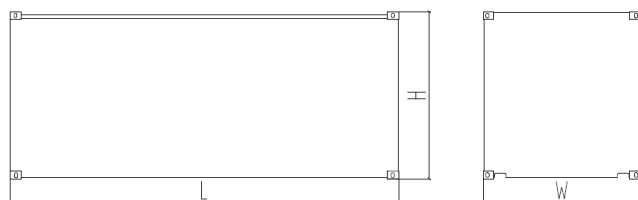
DIMENSIONS & WEIGHT



Standard Configuration (open type with base fuel tank)

Overall Dimensions: 2700×1050×1610 mm

Weight: 2000 kg



Soundproof Type

Overall Dimensions: 3590×1310×2050 mm

Weight: 2870 kg

Specifications are subject to change without notice.

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