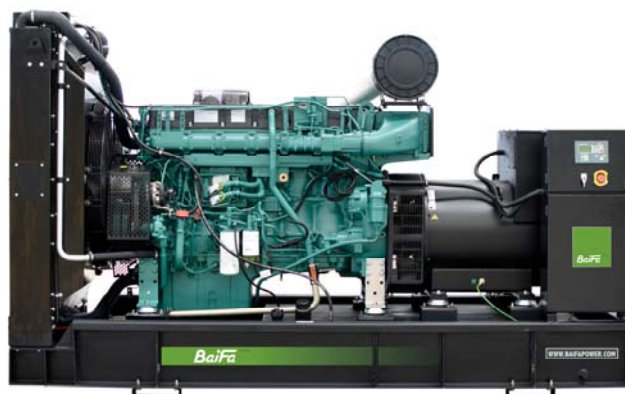


MODEL: BF-V770-III

400V | 1500rpm | 50Hz



ESP

Standby Power

770 kVA

PRP

Prime Power

700 kVA

ENGINE

VOLVO

TWD1645GE

ALTERNATOR

STAMFORD

S5L1D-G4

GENERAL FEATURES

Engine: VOLVO TWD1645GE, 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-V770-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	1010	616/770	560/700
415/240	50	3	0.8	1071	616/770	560/700
400/230	50	3	0.8	1111	616/770	560/700
380/220	50	3	0.8	1170	616/770	560/700

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.

**MODEL: BF-V770-III****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	VOLVO/TWD1645GE
Air intake system	Turbocharged, Water/Air inter cooling
Fuel system	Elec. Injection, Elec. Fuel System
Cylinder arrangement	6 in line
Displacement	16.12L
Bore and stroke	144*165 (mm)
Compression ratio	16.5
Rated speed	1500rpm
Max. Standby power at rated speed	654KW/890HP (with fan)
Governor type	EMS2

Exhaust System

Exhaust gas flow	106 m ³ / min
Exhaust temperature	501℃
Max back pressure	10 kPa

Air Intake System

Max intake restriction	3 kPa
Combustion air flow	43.5 m ³ /min
Air flow required for radiator	684 m ³ /min

**MODEL: BF-V770-III****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load

191 g/kWh

137L/h

Fuel consumption @ 75% (Prime Power) Load

196 g/kWh

106L/h

Fuel consumption @ 50% (Prime Power) Load

206 g/kWh

76L/h

Oil System

Total oil capacity

48L

Oil consumption

0.11L/h

Oil sump capacity

32~42L

Cooling System

Coolant capacity

152 L

Max water temperature

107°C

**MODEL: BF-V770-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	700kVA
Alternator Efficiency	94.8%

MODEL: BF-V770-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-V770-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

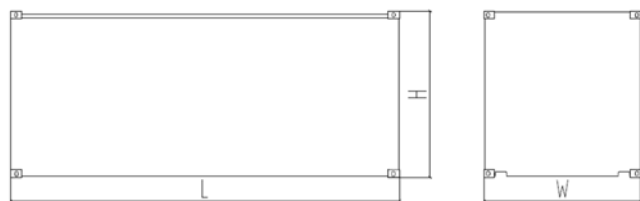
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 3600×1400×2100 mm

Weight: 4100 kg



Soundproof Type

Overall Dimensions: 5030×1660×2550 mm

Weight: 6100 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