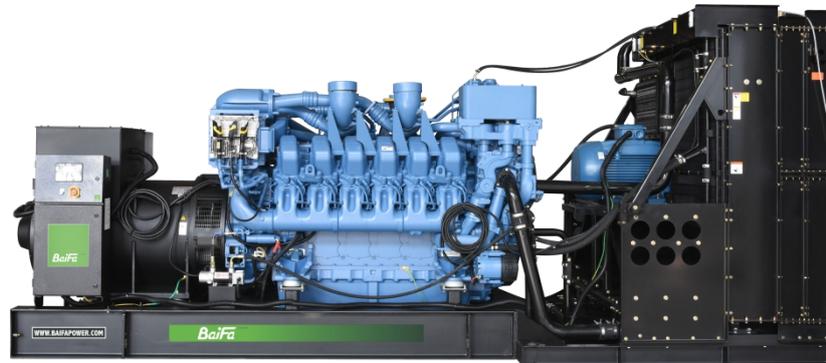


MODEL: BF-M1700

400V | 1500rpm | 50Hz



ESP Standby Power	1700 kVA	PRP Prime Power	1550 kVA
ENGINE	MTU	ALTERNATOR	STAMFORD
	12V4000G23		S7L1D-C4

GENERAL FEATURES

Engine: MTU 12V4000G23

Alternator: single bearing, IP23, insulation class H

40°C radiator, fans are driven by motor, 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

Permanent Magnet Generator (PMG)

MODEL: BF-M1700

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	2230	1360/ 1700	1240/ 1550
415/240	50	3	0.8	2365	1360/ 1700	1240/ 1550
400/230	50	3	0.8	2453	1360/ 1700	1240/ 1550
380/220	50	3	0.8	2583	1360/ 1700	1240/ 1550

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-M1700**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model MTU/12V4000G23

Air intake system Turbocharged, water/air inter cooling

Fuel system Electronic Fuel Injection System

Cylinder arrangement 12 in V

Displacement 57.2L

Bore and stroke 170×210 mm

Compression ratio 16.4:1

Rated speed 1500 rpm

Max. Standby power at rated speed 1562kW (without fan)

Governor type ADEC

Exhaust SystemExhaust gas flow 264 m³/ min

Exhaust temperature 475 °C

Max back pressure 8.5 kPa

Air Intake System

Max intake restriction 5 kPa

Combustion air flow 108 m³/minAir flow required for radiator 1860 m³/min

Comprehensive Solutions For

POWER GENERATION



MODEL: BF-M1700

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	189 g/kWh	297 L/h
Fuel consumption @ 75% (Prime Power) Load	195 g/kWh	231 L/h
Fuel consumption @ 50% (Prime Power) Load	203 g/kWh	164 L/h

Oil System

Total oil capacity	260 L
Oil consumption	0.3% Fuel Consumption
Oil sump capacity	160~200L

Cooling System

Coolant capacity	450 L
Max water temperature	104°C



MODEL: BF-M1700**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, PMG exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	< 50
THF	< 2%
Alternator Capacity	1550 kVA
Alternator Efficiency	95.4%

MODEL: BF-M1700**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

Comap standard auto control system	Exhaust system(including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	Fuel-Water separator
Permanent magnet generator (PMG)	Special coolant	

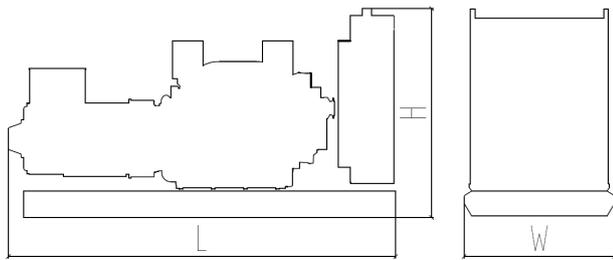
MODEL: BF-M1700

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		

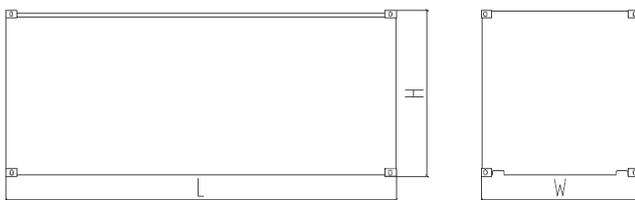
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 6000×2100×2600 mm

Weight: 12500 kg



Soundproof Type (standard 20'ft HQ container)

Overall Dimensions: 6058×2438×2896mm

Weight: 17500kg

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

