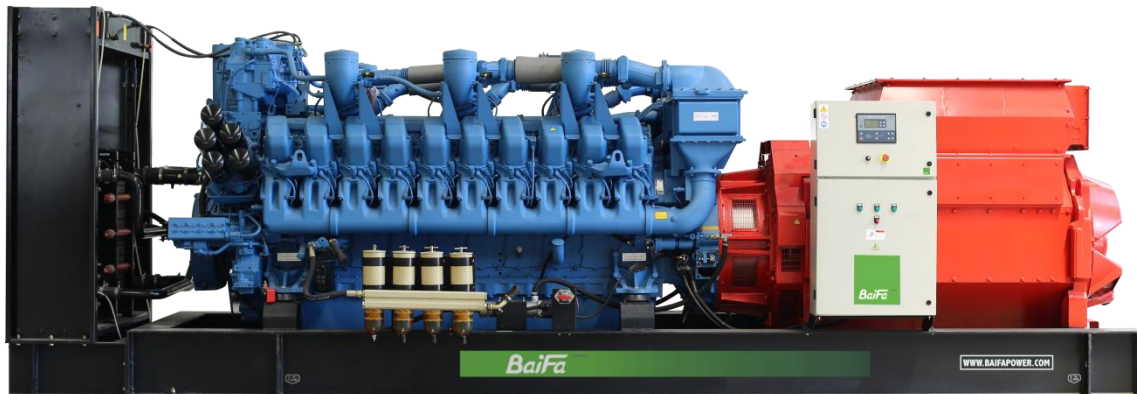


MODEL: BF-M3000

400V | 1500rpm | 50Hz



ESP

Standby Power

3000 kVA

PRP

Prime Power

2750 kVA

ENGINE

MTU

20V4000G63F

ALTERNATOR

LEROY SOMER

LSA 52.3 UL16

GENERAL FEATURES

Engine: MTU 20V4000G63F

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

**MODEL: BF-M3000****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	3936	2400/3000	2200/2750
415/240	50	3	0.8	4173	2400/3000	2200/2750
400/230	50	3	0.8	4330	2400/3000	2200/2750
380/220	50	3	0.8	4558	2400/3000	2200/2750

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-M3000****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	MTU/20V4000G63F
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Air intake system	Turbocharged, water/air inter cooling
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Fuel system	Electronic Fuel Injection System
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Cylinder arrangement	20 in V
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Displacement	95.4L
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Bore and stroke	170×210 mm
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Compression ratio	16.4:1
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Rated speed	1500 rpm
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Max. Standby power at rated speed	2662kW (without fan)
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Governor type	ADEC
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Exhaust System

Exhaust gas flow	486 m ³ / min
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Exhaust temperature	585 °C
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Max back pressure	8.5 kPa
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Air Intake System

Max intake restriction	5 kPa
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Combustion air flow	180 m ³ /min
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Air flow required for radiator	3000 m ³ /min
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**MODEL: BF-M3000****400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	190 g/kWh	530 L/h
Fuel consumption @ 75% (Prime Power) Load	193 g/kWh	407 L/h
Fuel consumption @ 50% (Prime Power) Load	202 g/kWh	290 L/h

Oil System

Total oil capacity	390 L
Oil consumption	0.3% Fuel Consumption
Oil sump capacity	245~340L

Cooling System

Coolant capacity	600 L
Max water temperature	104°C

**MODEL: BF-M3000****400V | 1500rpm | 50Hz****ALTERNATOR SPECIFICATION****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	2750 kVA
Alternator Efficiency	95.9%

**MODEL: BF-M3000****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	Fuel-Water separator

MODEL: BF-M3000

400V | 1500rpm | 50Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

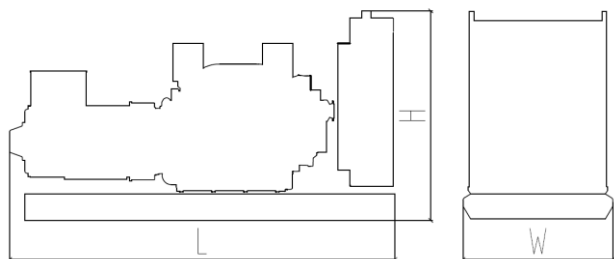
Spare parts

Trailer type

Switch box

Automatic transfer switch

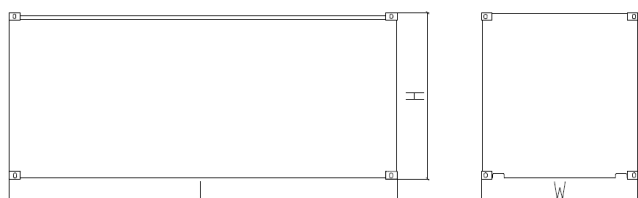
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 8000×3000×2850 mm

Weight: 20200 kg



Soundproof Type (standard 40'ft HQ container)

Overall Dimensions: 12192×2438×2896mm

Weight: 30200kg

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