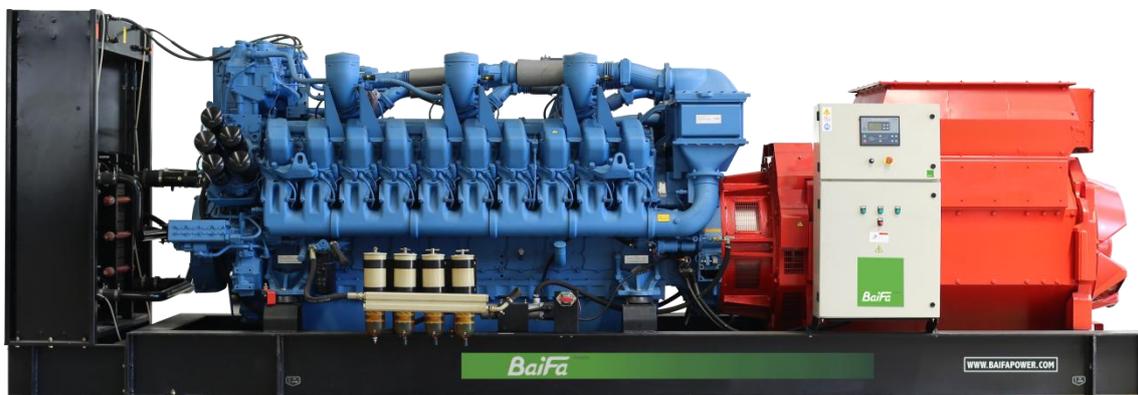


MODEL: BF-M3600

400V | 1500rpm | 50Hz



ESP Standby Power	3575 kVA	PRP Prime Power	3250 kVA
ENGINE	MTU	ALTERNATOR	LEROY SOMER
	20V4000G94F		LSA 53.2 M12

GENERAL FEATURES

Engine: MTU 20V4000G94F

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-M3600

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	4690	2860/3575	2600/3250
415/240	50	3	0.8	4973	2860/3575	2600/3250
400/230	50	3	0.8	5159	2860/3575	2600/3250
380/220	50	3	0.8	5430	2860/3575	2600/3250

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-M3600**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	MTU/20V4000G94F
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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	170x210 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	3088kW (without fan)
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Governor type	ADEC
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Exhaust System

Exhaust gas flow	636 m ³ / min
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Exhaust temperature	550 °C
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Max back pressure	8.5 kPa
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Air Intake System

Max intake restriction	3 kPa
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Combustion air flow	258 m ³ /min
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Air flow required for radiator	4200 m ³ /min
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Comprehensive Solutions For

POWER GENERATION



MODEL: BF-M3600

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Standby Power) Load	196 g/kWh	706 L/h
Fuel consumption @ 75% (Standby Power) Load	190 g/kWh	517 L/h
Fuel consumption @ 50% (Standby Power) Load	203 g/kWh	374 L/h

Oil System

Total oil capacity	390 L
Oil consumption	0.2% Fuel Consumption
Oil sump capacity	270~340L

Cooling System

Coolant capacity	700 L
Max water temperature	104°C





MODEL: BF-M3600

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	3300 kVA
Alternator Efficiency	96.3%



MODEL: BF-M3600**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

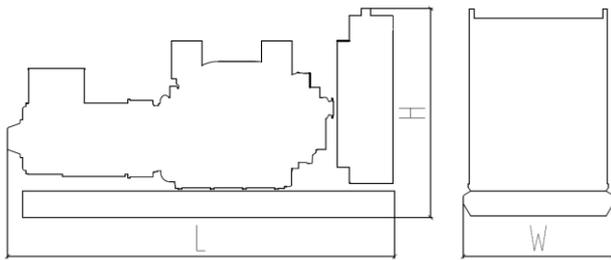
MODEL: BF-M3600

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		

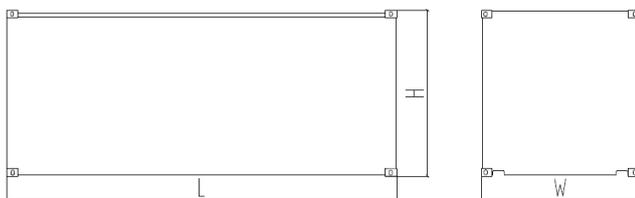
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 8500x3000x3000 mm

Weight: 22600 kg



Soundproof Type (standard 40'ft HQ container)

Overall Dimensions: 12192x2438x2896mm

Weight: 32600kg

Specifications are subject to change without notice.

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POWER GENERATION

