

MODEL	BF-M1100-60
Standby Power (60Hz)	1012KW / 1265KVA
Prime Power (60Hz)	920KW / 1150KVA

### Standard Features

#### General Features:

Engine (MTU 16V2000G85)  
 Radiator 40°C max, fans are driven by belt, with safety guard  
 24V charge alternator  
 Alternator: single bearing alternator IP23, insulation class H/H  
 Absorber  
 Dry type air filter, fuel filter, oil filter  
 Main line circuit breaker  
 Permanent Magnet Generator (PMG)  
 Standard control panel  
 Two 12V batteries, rack and cable  
 Ripple flex exhaust pipe, exhaust siphon, flange, muffler  
 User manual



PHOTO FOR REFERENCE ONLY

### Generator Ratings

Voltage	HZ	Phase	P.F (COS Ø)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
480/277	60	3	0.8	1522	1012/1265	920/1150
460/266	60	3	0.8	1588	1012/1265	920/1150
440/254	60	3	0.8	1660	1012/1265	920/1150
416/240	60	3	0.8	1756	1012/1265	920/1150

**Prime Power (PRP):** Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (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: a, 15 months, counted on the day BAIFA sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one. Service and parts are available from Baifa Power or distributors in your location.

**ENGINE DATA**

Manufacturer / Model:	MTU/16V2000G85
Air Intake System:	Turbo, Air/Air Cooling
Fuel System:	Electronic Fuel Injection System
Cylinder Arrangement:	16 in "V"
Displacement:	31.84L
Bore and Stroke:	130*150 (mm)
Compression Ratio:	14.0
Rated RPM:	1800rpm
Max. Standby Power at Rated RPM:	1114KW (without fan)
Governor Type:	ADEC

**Exhaust System**

Exhaust Gas Flow:	210m <sup>3</sup> /min
Exhaust Temperature:	530°C
Max Back Pressure:	8.5kPa

**Air Intake System**

Max Intake Restriction:	5kPa
Combustion air:	84m <sup>3</sup> /min
Air Flow:	1476m <sup>3</sup> /min

**Fuel System**

100%(Prime Power) Load:	205 g/kwh
75%(Prime Power) Load:	209 g/kwh
50%(Prime Power) Load:	213 g/kwh
100%(Prime Power) Load:	243.9L/h

**Oil System**

Total Oil Capacity:	102L
Oil Consumption:	0.5% Fuel Consumption
Engine Oil Tank Capacity:	69-88L
Oil Pressure at Rated RPM:	600-700kPa

**Cooling System**

Total Coolant Capacity:	200L
Max Water Temperature:	102°C

**ALTERNATOR SPECIFICATION****GENERAL DATA**

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

**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 Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	<50
THF:	<2%
Alternator Capacity:	1200KVA
Alternator Efficiencies:	95.1%

**GENERATING SET DATA**

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+20%
Sudden Voltage Warp (Sudden Increase):	≤-15%
Voltage Stable Time (100% Sudden Reduce):	≤4S
Voltage Stable Time (Sudden Increase)	≤4S
Frequency Regulation, Stead State:	0-5% adjustable
Frequency Waving:	≤0.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+10%
Sudden Frequency Warp (Sudden Increase):	≤-7%
Frequency Recovery Time (100% Sudden Reduce):	≤3S
Frequency Recovery Time (Sudden Increase):	≤3S
Noise Level:	115dB

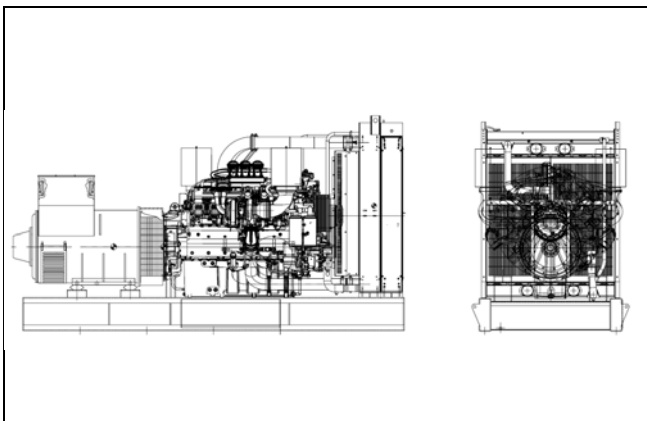
### Standard Features

- ◇ “COMAP” Standard Auto Control System
- ◇ MCCB
- ◇ Oil Drain Valve
- ◇ Permanent Magnet Generator(PMG)
- ◇ Battery Charger
- ◇ Starting batteries ( Maintenance-Free & Watering-Free) with connective wires
- ◇ Exhaust System( including until muffler)
- ◇ Documents
- ◇ Special Coolant
- ◇ Water Separator
- ◇ Engine Heater

### Options

- ◇ Base Fuel Tank
- ◇ Daily Fuel Tank
- ◇ Alternator Heater
- ◇ Spare Parts
- ◇ Rainproof Type
- ◇ Soundproof Type
- ◇ Trailer Type
- ◇ Switch box
- ◇ Remote Control Panel
- ◇ Paralleling System
- ◇ Automatic Transfer Switch

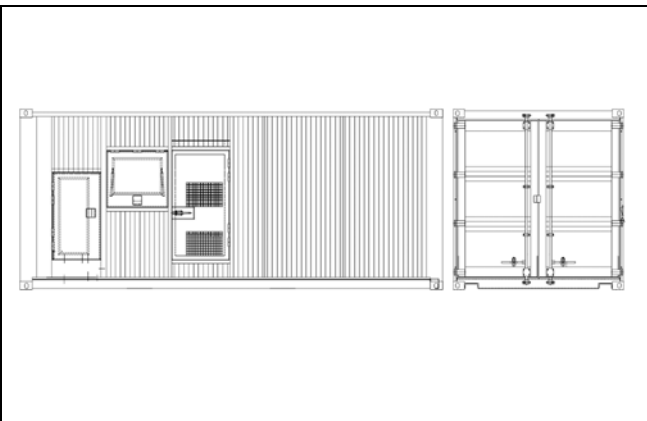
### Dimension & Weight



#### Standard Configuration (Open Type)

Overall Size: 4500×2000×2300 (mm)

Weight: 7850 kg



#### Soundproof Type (20'ft container)

Overall Size: 6058×2438×2591 (mm)

Weight: 12000kg

**Auto Module Control Panel**

**Auto Module Control Panel** is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu.

Features: MRS10-can receive remote output signal from ATS and realize auto start and stop of generators.

MRS16-can realize all functions of MRS10, add RS232 interface which can communicate with PC to realize remote operation.

AMF25-Auto Mains Failure controller, can realize all functions of MRS16, furthermore can detect ATS and control directly.

**Auto Parallel Control Panel**

**Automatic Parallel Control Panel** This new automatic parallel system adopts intelligent modules, inserted and folded installed, no need the peripheral relay and logic circuit. The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel. The panel can be used both for singly and parallel. It is only need to parallel generator with such panel when the capability needs to be enlarged in the future.