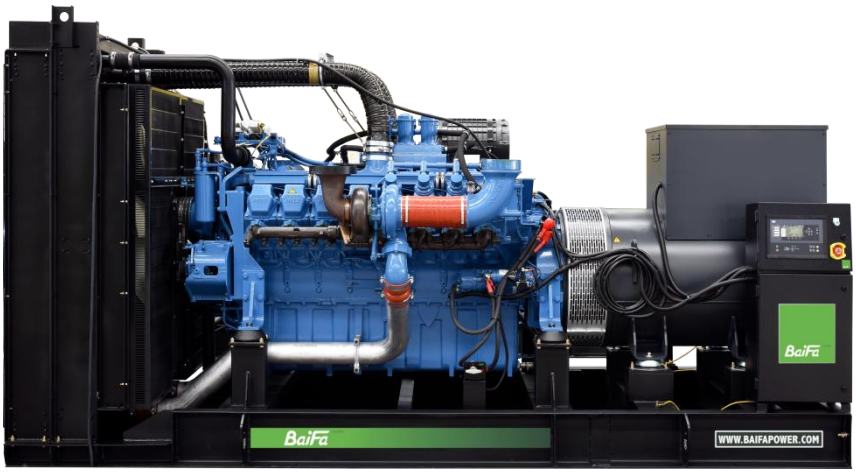
MODEL: BF-M880

400V | 1500rpm | 50Hz



ESP Standby Power	**880 kVA**	**PRP** Prime Power	**800 kVA**
ENGINE	**MTU**	**ALTERNATOR**	**STAMFORD**
	12V2000G65		**S6L1D-C4**

GENERAL FEATURES

Engine: MTU 12V2000G65	Alternator: single bearing, IP23, insulation class H
40℃ 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
Permanent Magnet Generator (PMG)	

MODEL: BF-M880

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model	MTU/12V2000G65
Air intake system	Turbocharged, Air/Air inter cooling
Fuel system	Electronic Fuel Injection System
Cylinder arrangement	12 in V
Displacement	23.88L
Bore and stroke	130×150 mm
Compression ratio	16:1
Rated speed	1500 rpm
Max. Standby power at rated speed	765kW（without fan）
Governor type	ADEC

Exhaust System

Exhaust gas flow	150 m^3/ min
Exhaust temperature	565 ℃
Max back pressure	8.5 kPa

Air Intake System

Max intake restriction	5 kPa
Combustion air flow	54 m^3/min
Air flow required for radiator	1062 m^3/min

MODEL: BF-M880 400V | 1500rpm | 50Hz

Fuel System		
Fuel consumption @ 100% (Prime Power) Load	201 g/kWh	169 L/h
Fuel consumption @ 75% (Prime Power) Load	203 g/kWh	130 L/h
Fuel consumption @ 50% (Prime Power) Load	210 g/kWh	93 L/h

Oil System	
Total oil capacity	77L
Oil consumption	0.5% Fuel Consumption
Oil sump capacity	50~67L

Cooling System	
Coolant capacity	180 L
Max water temperature	102℃

MODEL: BF-M880

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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	810kVA
Alternator Efficiency	94.4%

MODEL: BF-M880

400V | 1500rpm | 50Hz

GENERATING SET DATA

Related range of voltage setting	≥±5%
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100 % sudden power decrease)	≤+20%
Transient voltage deviation (sudden power increase)	≤-15%
Voltage recovery time (100 % sudden power decrease)	≤4S
Voltage recovery time (sudden power increase)	≤4S
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	≤0.5%
Transient frequency deviation (100 % sudden power decrease)	≤+10%
Transient frequency deviation (sudden power increase)	≤-7%
Frequency recovery time (100 % sudden power decrease)	≤3S
Frequency recovery time (sudden power increase)	≤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	

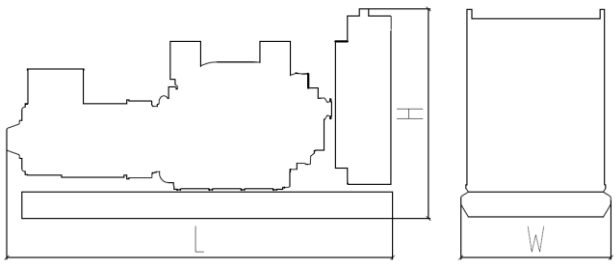
MODEL: BF-M880

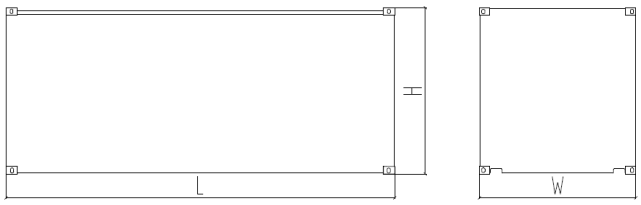
400V | 1500rpm | 50Hz

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: 4060×1600×2210 mm
Weight: 6300 kg

Soundproof Type (standard 20’ft GP container)
Overall Dimensions: 6058×2438×2591 mm
Weight: 11300 kg

Specifications are subject to change without notice.

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