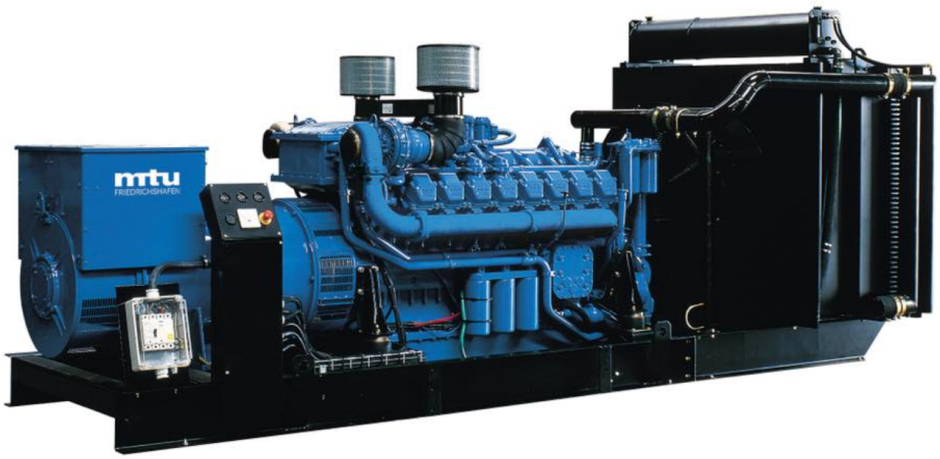
MODEL: HC-1640GF

400V | 1500rpm | 50Hz



ESP Standby Power	**2250 kVA**	**PRP** Prime Power	**2050 kVA**
ENGINE	**MTU**	**ALTERNATOR**	**STAMFORD**
	16V4000G23F		**PI734F1**

GENERAL FEATURES

Engine: MTU 16V4000G23F	Alternator: single bearing, IP23, insulation class H
40℃ 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）	

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GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	2952	1800/2250	1640/2050
415/240	50	3	0.8	3130	1800/2250	1640/2050
400/230	50	3	0.8	3247	1800/2250	1640/2050
380/220	50	3	0.8	3418	1800/2250	1640/2050

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.

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ENGINE SPECIFICATION

Manufacturer / Model	MTU/16V4000G23F
Air intake system	Turbocharged, water/air inter cooling
Fuel system	Electronic Fuel Injection System
Cylinder arrangement	16 in V
Displacement	76.3L
Bore and stroke	170×210 mm
Compression ratio	16.4:1
Rated speed	1500 rpm
Max. Standby power at rated speed	1978kW（without fan）
Governor type	ADEC

Exhaust System

Exhaust gas flow	348 m^3/ min
Exhaust temperature	485 ℃
Max back pressure	8.5 kPa

Air Intake System

Max intake restriction	5 kPa
Combustion air flow	138 m^3/min
Air flow required for radiator	1980 m^3/min

MODEL: HC-1640GF

400V | 1500rpm | 50Hz

Fuel System		
Fuel consumption @ 100% (Prime Power) Load	189 g/kWh	390 L/h
Fuel consumption @ 75% (Prime Power) Load	191 g/kWh	296 L/h
Fuel consumption @ 50% (Prime Power) Load	201 g/kWh	212 L/h

Oil System	
Total oil capacity	300 L
Oil consumption	0.3% Fuel Consumption
Oil sump capacity	210~240L

Cooling System	
Coolant capacity	480 L
Max water temperature	104℃

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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	2080 kVA
Alternator Efficiency	96.0%

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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

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
Special coolant		

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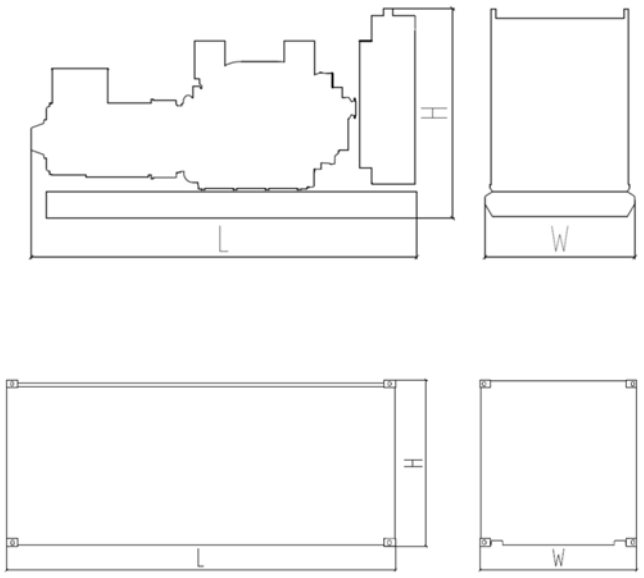
OPTIONS

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: 6900×2350×2600 mm
Weight: 15800 kg
Soundproof Type (standard 40’ft HQ container)
Overall Dimensions: 12192×2438×2896mm
Weight: 25800kg

Specifications are subject to change without notice.