GENERATOR SET | TECHNICAL SHEETS

MODEL: HC-1350GF2

440V | 1800rpm | 60Hz

ESP Standby Power	**1500kVA**	**PRP** Prime Power	**1362kVA**
ENGINE	**MTU** **18V2000G85**	**ALTERNATOR**	**STAMFORD** **S6L1D-G4**

GENERAL FEATURES

Engine: MTU 18V2000G85	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

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GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	1804	1200kW/1500kVA	1090kW/1362kVA
460/266	60	3	0.8	1883	1200kW/1500kVA	1090kW/1362kVA
440/254	60	3	0.8	1968	1200kW/1500kVA	1090kW/1362kVA
416/240	60	3	0.8	2082	1200kW/1500kVA	1090kW/1362kVA

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820（eqv ISO 8528）; 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 18V2000G85
Air intake system	Turbocharged, air/air intercooling
Fuel system	Electronic Fuel Injection System
Cylinder arrangement	18 in V
Displacement	35.82L
Bore and stroke	130×150 mm
Compression ratio	16
Rated speed	1800rpm
Max. Standby power at rated speed	1310kW
Governor type	ADEC

Exhaust System

Exhaust gas flow	240 m^3/min
Exhaust temperature	510°C
Max back pressure	8.5kPa

Air Intake System

Max intake restriction	5kPa
Combustion air flow	102 m^3/min
Air flow required for radiator	1716 m^3/min

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Fuel System		
Fuel consumption @ 100% (Prime Power) Load	204g/kWh	290L/h
Fuel consumption @ 75% (Prime Power) Load	209g/kWh	225L/h
Fuel consumption @ 50% (Prime Power) Load	213g/kWh	158L/h

Oil System	
Total oil capacity	130L
Oil consumption	0.5% of Fuel Consumption
Oil sump capacity	87-114L

Cooling System	
Coolant capacity	248L
Max water temperature	102°C

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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 exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	＜50
THF	＜2%
Alternator Capacity	1431kVA
Alternator Efficiency	94.9%

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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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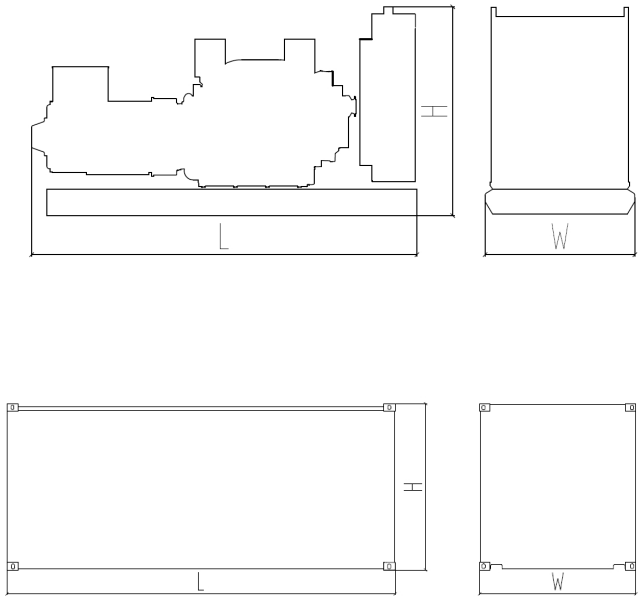
OPTIONS

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: 4800×1950×2450 mm
Weight: 8500kg

Soundproof Type (standard 20’ft GP container)
Overall Dimensions: 6058×2438×2591 mm
Weight: 13500kg

Specifications are subject to change without notice.