

MODEL	SH8GF
Standby Power(50HZ)	8.8KW/11KVA
Prime Power(50HZ)	8KW/10KVA

Standard Features

General Features

- Engine(Ricardo2100)
- Radiator 40°C max, fans are driven by belt ,with safety guard
- 12V charge alternator
- Alternator (SWT-8.8), single bearing alternator IP23, insulation class H/H
- Absorber
- Dry type air filter ,fuel filter ,oil filter, coolant filter
- Main line circuit breaker
- Standard control panel
- One 12V batteries ,rack and cable
- Ripple flex exhaust pipe ,exhaust siphone, flange, muffler.
- User manual



Generator Ratings

voltage	HZ	phase	P.F	Standby/Prime Amps	Stand by Rating (KW/KVA)	Prime Ratings (KW/KVA)
400/230	50	3	0.8	15.84/14.4	8.8/11	8/10

Prime power (PRP): Prime power is available for an unlimited number of annual hours in available load application , in according with GB/T2820-97(EQVLso8528); 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 application 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

Supermaly 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: 12 months or 1000 running hour's, subject to the earlier one. Service and parts are available from our factory or distribution in your location.



Diesel Generating Set

SH8GF

ENGINE DATA

Manufacturer /Model:	Ricardo2100D, 4-CYCLE
Air intake System:	Air natural, Water Cooling
Fuel System :	A type fuel Pump
Cylinder Arrangement:	2 in LINE
Displacement :	1.81L
Bore and Stroke:	100*115 (MM)
Compression Ratio:	20:1
Rated RPM:	1500rpm
Max standby Power at Rated RPM:	14.5KW
Governor Type:	Mechanical
Frequency Regulation ,Steady State :	<±0.5%

ALTERNATOR SPECIFICATION

General data

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

Alternator Data

Manufacture /Type:	SWT-8.8
Number of Phase:	three
Connecting Type:	3 Phase and 4 wire Rotating Field
Number of Bearing:	one
Power Factor:	0.8
Protection Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brush less, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	< 50
THF:	<2%
Voltage Regulation, Steady State:	≤1.5%
Alternator Capacity:	10KVA
Alternator Efficiencies:	83.60%

GENERATING SET DATA

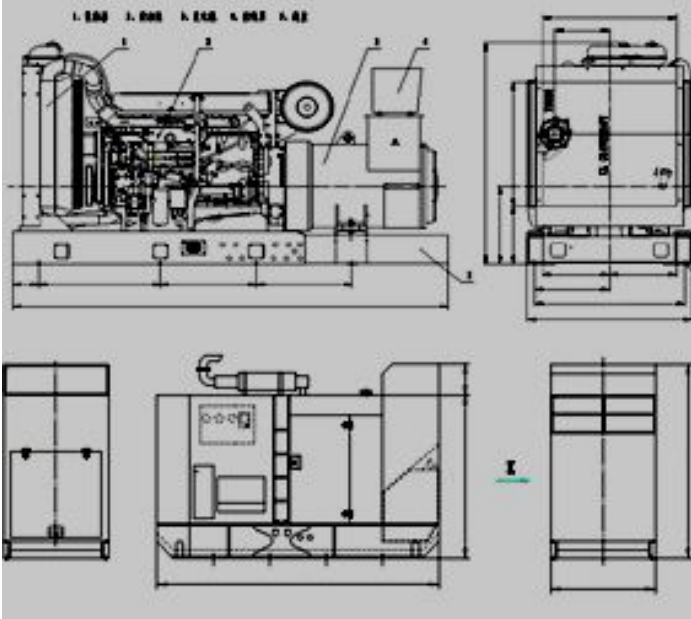
Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce) :	≤+25%
Sudden Voltage Warp (sudden Increase):	≤-20%
Voltage Stable Time (100% sudden Reduce):	≤6s
Voltage Stable Time (Sudden Increase):	≤6s
Frequency Reduce:	≤5% adjustable
Frequency Regulation, Stead State:	≤1.5%
Frequency waving:	≤0.8 %
Sudden Frequency Warp (100% Sudden Reduce) :	≤+12%
Sudden Frequency Warp (Sudden Increase):	≤-10%
Frequency Recovery Time (100% sudden Reduce):	≤5s
Frequency Recovery Time (Sudden Increase):	≤5s

Options

Engine	Fuel System	Control System
<ul style="list-style-type: none"> ● Heater ● Battery 	<ul style="list-style-type: none"> ● Daily Fuel Tank ● Base Fuel Tank ● Water Separator 	<ul style="list-style-type: none"> ● Auto Control Panel ● Remote Control Panel ● Auto Transfer Switch (ATS) Control Panel ● Paralleling System ● Electricity Output Cabinet

Alternator	Others	Data
<ul style="list-style-type: none"> ● Anti Condensation Heater ● Permanent Magnet Generator (PMG) ● Drop CT (For Paralleling) 	<ul style="list-style-type: none"> ● Rainproof Type ● Soundproof Type ● Trailer Type 	<ul style="list-style-type: none"> ● Engine Parts Drawing List ● Spare Parts

Dimension & Weight



Open-frame Type:

Overall Size :1550(mm)×620(mm)×960 (mm)

Weight:660 kgs

Silent type:

Overall size: 1725(mm)×830(mm)×1150(mm)

Weight: 600 kgs

Basic Control Panel



Standard Control Panel is the basic configuration for normal operation and usage. It is of some advantage such as easy to operate various function and well protection. Operative buttons such as Turn On, Per-heart. Starting, Stop (Emergency Stop) on the panel .while malfunction occurs, control panel will stop the generator and also alarm with light or buzz.

Auto Module Control Panel



Automatic Control Panel is the basic configuration for nobody on duty controlling generator. This kind of panel can accept the remote Start/Stop signals.

(Controlled by ATS)

Features: adopted Chinese producing, Auto control system, with large LCD, Display in English (or CHINESE) to show the menu. With Auto Control Panel .generator are of various functions such as auto/manual stop (Emergency Stop), programmable plugs for input and output detected data, symbols diagram will show in the LCD, etc.