

Zφ Performance

Voltage regulation

Voltage regulation maintained within $\pm 0.5\%$ as follow:

- Power factor Between 0.8~1.0 lag
- From no load to full load, any steady load
- Speed droop variation under 4.5%

Frequency/Speed undulation

- Change load from 0-100%, Frequency/Speed Droop Ratio within 5%.
- Load from 25-100%, any steady load Frequency/Speed undulation within 0.25%

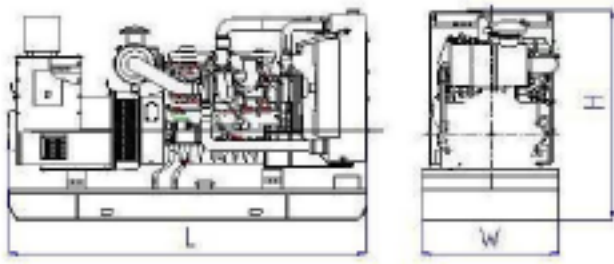
Effect factor of telecom

- TIF(MA MG1-22) better than 50
- THF(BS EN60034) better than 2%

Criterion

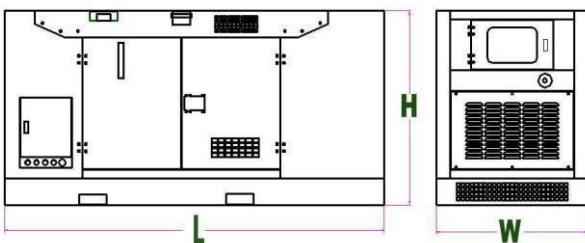
- ISO8528, GB/T2820
- EN12601:2001, EN60034-22:1997, EN60204-1:2006
- ISO9001:2000 Quality Control System

Dimension Weight



Open Type

Overall size (L*W*H)
2200*1100*1700
Weight: 1500kg



Silent Type

Overall size (L*W*H)
2980*1100*1860
Weight: 1825kg

Engine Specification

RICARDO Diesel Engine Technical Data

Engine Model	R6105IZLD
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged Air-Air Aftercooled
Bore×Stroke (mm×mm)	105*135
Displacement (Liter)	7,01
Compression Ratio	16.5:1
Prime Power/Speed (kW/rpm)	126/1500RPM
Standby Power/Speed (kW/rpm)	140/1500RPM
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator is standard
Speed Stability (%)	≤1%
Total lubrication system capacity (L)	18
Coolant capacity (without radiator) (L)	27
Fuel Consumption at 100% Load (L/H)	42,5
Starter Motor	DC24V
Start type	Electrical

Alternator Specification

SOYGEN ALTERNATOR (Standard) Technical Data

Alternator Model	SGR-175
Exciter type	Brushless, Self-excited
Power factor	0.8
Voltage Adjust range	≥5%
Voltage Regulation NL-FL	≤±0.5%
Insulation Grade	H
Protection Grade	IP23

Control System

1. Standard: Deepsea DSE7320 AMF Digital Controller

Providing the standard functions as follows:

(Also can be made according to the customers' special requirements)

- * Automatic Start/Stop
- * Settings can be adjustable via key buttons on front panel
- * 3 start attempts failure and Automatic Crank Disconnect
- * Parameters display (V/A/Hz/Hour)
- * Engine monitoring and protection
- * Charge alter nator exciting and Charge alternator fail alarm
- * Running hour counting (1) DSE7320
- * Emergency stop pushbutton

* Alarm System: Over speed, High Engine Temperature Low Oil Pressure, Charge Fail

* Protection System: Over speed, High Engine Temperature, Low Oil Pressure, Emergency Stop. And the other protection function pre-setting

Digital Auto-start Generator controller integrating digital, intelligent and network techniques is used for automatic control system of diesel generator. It can carry out functions including automatic start/stop, data

measure and alarming. Optionally assembled with the ATS, it can carry (2) GU641B out auto-switching between the outer power and generating set power.

(AMF)

2. Option: Harsen GU641B AMF Digital Auto Start

3. Option: ComAp AMF25 Digital Auto Start

4. Option: Deepsea DSE3110 Digital Auto Start



(1) DSE7320



(2) GU641B out auto-switching



(3) AMF25



(4) DSE3110