

Gensets are compliant with ISO 9001 and CE standard, which include the following directives:  
EN ISO 12100:2010, EN ISO 8528-13:2016, EN 60204-1:2006+A1:2009+AC:2010, EN 55012:2007+A1:2009






## 100kva silent diesel generator set


### GENERATOR GENERAL DETAIL

Model	GP-80
Type	Soundproof
Prime power	80kw/100kva
Standby power	88kw/110kva
AC output	Three Phase 400V/230V 50Hz
Power factor(cosΦ )	0.8
Base frame fuel tank	150L
Dimension(L × W × H)(mm)	2700*1080*1430(mm)
Net weight(kg)	1450KG


### ENGINE POWER TECHNICAL DATA

Make	 
Picture	
Model	R6105AZD
Base Output Power	84kw
Engine type	6 Cylinders, in Line
Rated Speed	1500 rpm
Bore × stroke	108*135 mm
Displacement	4.95 L
Fuel Consumption 75% loading	9.24 L/hr
Aspiration Type	Turbo&intercooling
Rotation from Flywheel End	Anti-clockwise
Combustion System	Direct injection
Cooling System	Water Cooled
Start Type	24V, Electric Start

# ALTERNATOR TECHNICAL DATA


Stamford type brushless	274C
Picture	
Rated power	75kw/94kva
Power factor(cos $\Phi$ )	0.8
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation system	Class H
Standard temperature rise	125–163 °C standby
Exciter type	Self excited
Phase rotation	A (U), B (V), C (W)
Alternator cooling	Direct drive centrifugal blower fan
Voltage regulation, no load to full load	+/- 1%
AC waveform Total Harmonic Distortion (THDV)	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	< 50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	< 2%

# CONTROLLER AND PROTECTION SYSTEM

Make&Model	AMF HGM6120 Digital Intelligent Controller
Picture	

## Automatic Self-starting Control System

- Function: Control Panel provides necessary Monitoring, Control and Protection functions for the diesel genset.
- Installation: Free-standing, fully enclosed dust-tight design, having concealed hinges and locking handle.
- Generator Protections :a: Low oil pressure, b: Over temp. c: Over/low speed d:Charger failure  
e:Over crank f:Stop failure  
g:Low/high charge voltage h:Emergency  
i:Common alarm j:Generating failure

STANDARD FEATURES	
Breaker	4 poles main circuit breaker
Silencer	Heavy duty industrial type super silencer with flexible elbow
Radiator	50 °C ambient radiator with safty guard
Battery	High capacity sealed maintenance free battery
Emergency stop button	Y
AVR and off-line charger	Y
Manuals	Operation& Maintenance manuals of engine, alternator and controller
ATS 160AMPS -300AMPS	AISIKAI
ATS(Automatic Transfer Switch) system, automatically start the generator when power outage, and automatically shut down the generator when electric power comes back.	
WARRANTY POLICY	
Guarantee for 14 months or 1200 hours (whichever comes earlier) from ex-factory date. During the guarantee period, our company will provide the free easy damaged spare parts for problems caused by our quality of production or raw material, except the damageable spare parts of diesel engine caused by customer's man-made incorrect operation. After expiration,our company provides cost spare parts maintenance for gen-set.	
PAYMENT TERM AND DELIVERY	
30% deposit and balance before shipment by wire transfer.	
Within 25 working days delivery after the 30% down payment.	