



MGS POWER UK





22kva diesel generator set

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

GENERATOR GENERAL DETAIL

Model	GFS-22
Type	Soundproof
Prime power	16kw/20kva
Standby power	17.6kw/22kva
AC output	Three Phase 400V/230V 50Hz
Power factor(cosΦ)	0.8
Base frame fuel tank	75L
Dimension(L× W× H)(mm)	2000*850*1150
Net weight(kg)	820KG

ENGINE POWER TECHNICAL DATA

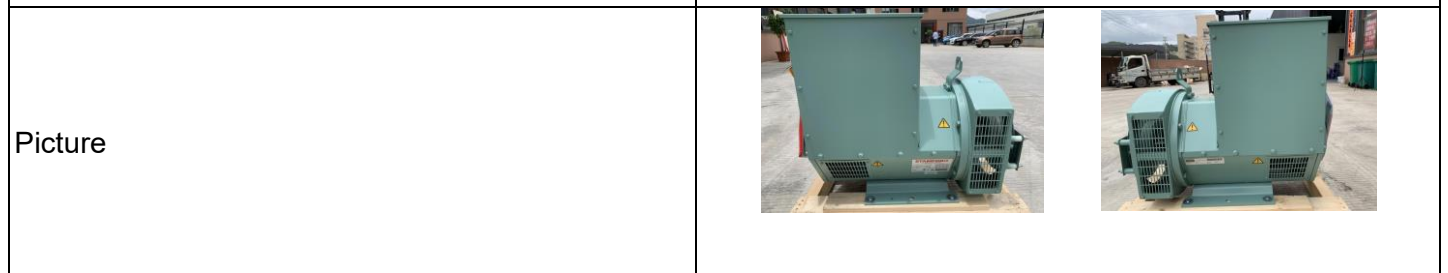
Make	
Picture	
Model	K4100D
Base Output Power	30kw

Engine type	4 Cylinders, in Line
Rated Speed	1500 rpm
Bore× stroke	100*115 mm
Displacement	3.61 L

Fuel Consumption 100% loading	8.5 L/h
Aspiration Type	naturally aspirated
Rotation from Flywheel End	Anti-clockwise
Combustion System	Direct injection
Cooling System	Water Cooled
Start Type	12V, Electric Start

ALTERNATOR TECHNICAL DATA

STAMFORD TYPE BRUSHLESS	184ES
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Standby power	17.6kw/22kva
Power factor(cosΦ)	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 Digital intelligent controller
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Picture



Automatic Self-starting Control System

- 1, Function: Control Panel provides necessary Monitoring, Control and Protection functions for the diesel genset.
- 2, Installation: Free-standing, fully enclosed dust-tight design, having concealed hinges and locking handle.
- 3, 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 c/w battery cables
Emergency stop button	Y
AVR and off-line charger	Y
Manuals	Operation& Maintenance manuals of engine, alternator and controller
ATS 100A	Aisikai or Yuye

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 12 months or 1200 hours (whichever comes earlier) from sales 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