

MGS POWER UK





33kva 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-33
Type	Silent type
Prime power	24kw/30kva
Standby power	26.4kw/33kva
AC output	Three Phase 230/400V 50Hz
Power factor(cosΦ)	0.8
Base frame fuel tank	84L
Dimension(L× W× H)(mm)	2000*850*1150
Net weight(kg)	850KG

ENGINE POWER TECHNICAL DATA


Make	
Picture	
Model	K4100ZD
Base Output Power	40kw
Engine type	4 Cylinders, in Line
Rated Speed	1500 rpm
Bore× stroke	100*115 mm
Displacement	3.76 L
Fuel Consumption 100% loading	7.35 L/h

Aspiration Type	turbo charged
Rotation from Flywheel End	Anti-clockwise
Combustion System	Direct injection
Cooling System	Water Cooled
Start Type	24V, Electric Start

ALTERNATOR TECHNICAL DATA	
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STAMFORD TYPE BRUSHLESS	184H
Picture	
Standby power	26.4kw/33kva
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	Three PHASE
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	
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Make&Model	AMF Digital intelligent controller
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 safety 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 optional	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 one year 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 manmade incorrect operation. After expiration, our company provides cost spare parts maintenance for genset.

PAYMENT TERM AND DELIVERY
