Model: MHL400S-1-MG

Powered by **CAMC**

MPMC Standard Features

- *Lower Environmental Emission*
- *Diverse Fuel Sources*
- *Renewable Feedstock Sources*
- *Safe Fuel Storage&Transportation*
- *High Power Generation Efficiency*
- *Low Noise and Vibration*
- *Cost-Effective:*
- *Replaceable filters,*
- *Anti-vibration Mount,*

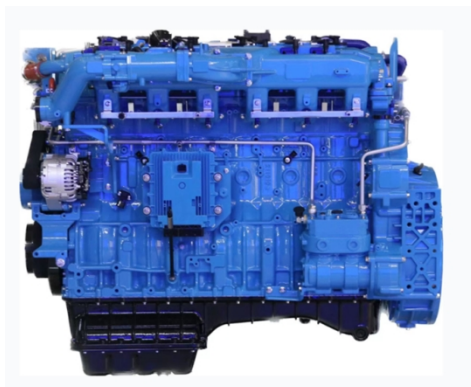| General Information			Rated Power			
Frequency	**Voltage**		**Prime Power**		**Standby Power**	
Hz	**V**		**kVA**	**kW**	**kVA**	**kW**
50Hz	Rated	600V/346V	400	280	440	308
Power Factor		0.7Lagging				
Engine		GS14M440HF-45				
Rated Speed		1500 RPM				
Fuel Type		Methanol				
Lube-oil Type		Lube-oil specially for methanol engines				
Alternator		LYG 354C				
Noise Level			**50Hz**	**60Hz**		
Average Value @1m,75%load	Series dB(A)		75	TBA		
				TBA		
Dimension and Weight			**Open-type**	**Silent-type**		
Length (L) mm			TBA	5000		
Width (W) mm			TBA	1500		
Height (H) mm			TBA	2450		
Net. Weight (kg)			TBA	5900		

Note: Specifications and illustrations are subject to revision without notice.

Environmental Conditions

- Ambient temperature:
- +5°C~+45°C (Rated Power)
- Altitude: ≤1000m
- Anti-dust, anti-corrosion and
- ultra-silent

Remark: If your conditions are different from the above, please contact our sales.

Engine Specifications

Engine model	GS14M440HF-45
Emission	N/A
Number of cylinders	6
Cylinder arrangement	Vertical Inline
Cycle	Four stroke
Bore x Stroke	133×164 mm
Displacement	13.67 L
Compression ratio	11.5：1
Gross prime power /speed	324kWm/1500 rpm
Gross standby power /speed	356kWm/1500 rpm
Cooling system	Forced water cooling
Steady State Stability Band at any Constant Load	≤±0.5%
Total lubrication system capacity	41 L
Starter motor	DC 24V
Charge alternator	DC 28V 1.96KW

☑Industrial silencer / ☐Residential silencer / ☐Critical silencer   ☐Spark arrestor

☑Heavy duty air filter / ☑Single-core air filter   ☑-18℃ start up battery / ☐-45℃ start up battery

☑Anti-vibration mount   ☑Flexible fuel connection hoses

☐Water-fuel separator / ☐ Multi-water-fuel separators   ☑Jacket water heater / ☐ Fuel jacket water heater

☐Coolant level sensor   ☑Coolant temperature sensor

☑Lube-oil pressure sensor   ☐Lube-oil temperature sensor

☐Lube-oil auto refilling meter   ☐Lube-oil auto refilling tank

☐Smoke temperature sensor   ☐Lube-oil manual pump

☑Replaceable fuel filter, oil filter   ☐Breath box

Alternator Specifications

Alternator model	LYG354C
Number of phase	3
Power factor (Cos Phi)	0.7
Poles	4
Winding leads	6
Insulation level	H class
Temperature rise	F class
Excitation	SHUNT
IP rating	IP22
Bearing	Single bearing
Voltage regulator	±1%
□Space heater	□Air filter (5% derating)
□Anti-harsh environment	□RTD □STD

Control Panel

Deif AGC150

Automatic Genset Controller

Key benefits

- **Easy power management setup**
- **Easy and user-friendly interface**
- **New design - Easy to mount**
- **Guided experience**
- **User levels in settings**
- **Shortcut menu**
- **PLC functions**
- **Built-in analogue AVR and GOV control**
- **Tier 4 final support**

Key features

- Engine start sequences
- Engine and generator protections
- Engine communication via CANbus
- Run coil and crank configurable when using electric engine
- Tier 4 Final support with clear alarm indications
- Diesel and gas genset support
- 3-phase generator and busbar sensoring
- Phase compensation for D/Y transformer
- Four current sensing inputs
- Integrated governor and AVR outputs for control
- State-of-the-art synchronisation and load sharing
- Synchroscope and sync check
- Digital voltage regulation support for different DVR
- Voltage and frequency matching
- Three synchronisation methods: Dynamic, Static and Close before excitation
- 12 digital outputs (configurable)
- 12 digital inputs (configurable)

- Two analogue outputs (-10 to 10 V)
- Four multi-inputs:
  - Resistor, 0 to 4000 Ω
  - Voltage, 0 to 10 V
  - Current, 4 to 20 mA
  - Digital input
- Deadbus sensoring
- Ground relay
- Mains support for stand-alone system (AMF)
- Analogue load sharing with external box
- 128 genset support via digital load sharing (CANshare)
- ROCOF and Vector jump protection
- Fuel usage monitoring
- Maintenance alarms
- Grid support
- Ethernet interface as standard
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Generator Options

Basement：

☑ 60L fuel tank
☐ Fuel pipeline

Electrical system：

☑China Brand Breaker /☐ ABB Breaker /☐Schneider Breaker ☐MEN
/☐Others:
☑Manual breaker /☐Motorized breaker
☑3P Breaker /☐4P Breaker
☐RCD

☐External AC charger
☐Socket:
☐Plug:

Silent Generator Only：

☑Galvanized canopy
☐Stainless steel canopy & hardware
☑Sponge materials /☐Rock wool with mesh plate
☐IP 21 /☑IP 22 /☐IP23

☐Zinc alloy door lock
☐Zinc alloy hinge
☐Access door for radiator
☐Aluminum canopy

MPMC
BEYOND ENERGY

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*All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.