



# AMG 1500

Mitsubishi  
Stamford  
P CMG

Manufacturer	Mitsubishi	
Model	GS16R2-PTK	
	1500 d/dk	% * &") "Q DQ
		170x220
		00:0
	fl # Ł	rpm
		1500
Fuel Consumption	m <sup>3</sup> /h.	351,5
Gas Pressure	bar	3,5-6,0
Oil Capacity	L	460
Water Capacity	L	245
	m <sup>3</sup> /dk.	6340
	mm - ss	45.0000
	° C	417

	"	1520
Cos fi		
		3
		400/230
5_ia	A	2742

	"	"	"	"
AMG 1500	16000	5727	2173	2472
	"	"	"	"
SCH 40	22030	12200	2440	2800

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## • D7A; !

### • Devices

ComAp, GeCon model control module  
Static battery charger 5A, 220/240 volt  
Emergency stop push button and fuses for control circuits

### • Structure And Paint

Control panel is mounted generating set baseframe on robust steel stand or power module.  
Located at side of generating set with properly panel visibility.

### • Montage

Components installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface  
Polyester composite powder topcoat forms high gloss and extremely durable finish  
Lockable hinged panel door provides for easy component Access

### • Generator Control Unit

GeCon controllers provide comprehensive generator protection and control for single or multiple gen-sets based on field proven IntelliGenNT and IntelliSysNT platforms.  
With GeCon software installed the primary function of the controller is to manage and function of the controller is to manage and protect the generator in preference to the engine, which is not a direct concern, and as such, can be used in applications where engine management or protection is not required or in cases where the generator is powered by another source such as a turbine controlled by an external PLC.

Two versions of the GeCon software are available (land-based or marine applications) allowing customers to select There is also the option to modify certain parameters for critical applications. A built-in synchronizer and digital isochronous load sharer allows for a total integrated solution for gen-sets in standby, island parallel or mains parallel. The GeCon allows parallel operation of up to 32 gen-sets in one group with power management and load sharing.  
For critical applications, it is possible to arrange the controllers so a 'hot-standby' controller takes over the generator protection and control in case of failure of the main controller.

A powerful graphic display with userfriendly controls allows any user, whatever their ability to find the information they need.

- Excellent configurability enables users to customise to the needs of their application
- Option to read information from ECU
- Power management over various engines from different producers
- Configurable protections
- Optional set the frequency by step 0,1 Hz
- Choice of communication options ensures easy remote supervising and servicing
- Optional redundant 'hot standby' controller guarantees uninterrupted generator control in case of failure of the primary controller
- Built-in PLC functions remove the need for an external PLC controller
- Gen-set performance log for easy problem tracing
- Running of SPI and SPtM applications without dongle2

### • Indicator

### • Protection

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## ENGINE

Engine speed  
Oil pressure  
Coolant temperature  
Run time  
Battery volts  
Engine maintenance due

## GENERATOR

Voltage (L-L, L-N)  
Current (L1-L2-L3)  
Frequency  
Earth current  
kW  
Pf  
kVAr  
kWh, kVAh, kVArh  
Phase sequence  
MAINS  
Voltage (L-L, L-N)  
Frequency

## WARNING

Charge failure  
Battery under voltage  
Fail to stop  
Low fuel level (opt.)  
kW over load  
Negative phase sequence

## PRE-ALARMS

Low oil pressure  
High engine temperature  
Low engine temperature  
Over /Under speed  
Under/over generator  
frequency  
Under/over generator  
voltage  
ECU warning

## SHUT DOWNS

Fail to start  
Emergency stop  
Low oil pressure  
High engine temperature  
Low coolant level  
Over /Under speed  
Under/over generator  
frequency  
Under/over generator voltage  
Oil pressure sensor open  
Phase rotation

## ELECTRICAL TRIP

Earth fault  
kW over load  
Generator over current  
Negative phase sequence

## Generator Protections

- 3 phase generator over/under voltage
- 3 phase generator over/under frequency
- Generator overload, Short current and IDMT overcurrent
- Voltage and current unbalance, Bus voltage unbalance, Reverse power, Earth fault current protection, ROCOF
- Additional 160 user configurable generator and bus/mains protections

## Optional Properties

High oil temperature shut down  
Low fuel level shut down  
Low fuel level alarm  
High fuel level alarm  
EXPANSION MODULES  
Editional LED module (2548)  
Expansion relay module (2157)  
Expansion input module (2130)

## Standards

Electrical Safety / EMC compatibility  
BS EN 60950 Electrical business equipment  
BS EN 61000-6-2 EMC immunity standard  
BS EN 61000-6-4 EMC emission Standard

## Electronic Charge Equipment

Battery charger is manufactured with switching-mode and SMD technology and it has high efficiency. Battery charger models' output V-I characteristic is very close to square wave output is 5A, 24V DC. short circuit protection. Input 198-260V AC. 2405 has fully output short circuit protection and it can be used as a current source. The charger is fitted with a protection diode across the output. Charge fail output is available. Connect charge fail relay coil between positive output and CF output.

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