Model:MT1540D5

Powered by Mitsubishi

Output Rating	g			
MODEL		Power rating		Voltage available
		PRIME(1)	STANDBY(2)	
MT1540D5	400V/50HZ	1120KW	1232KW	380/220V 400/230V 415/240V
	PF:0.8	1400KVA	1540KVA	

General Information			
Model		MT1540D5	
Engine		S12R-PTA2	
Speed control type		Electronic	
Phase		3	
Control System		Digital	
System voltage		12V/24V	
Frequency		50HZ	
Engine	Speed(RPM)	1500	
Fuel Consumption L/hr	Standby power(2)	311	
	Prime Power(1)	280	
	75% prime power	211	
	50% prime power	150	

Dimension and Weight			
Dimension	Open	Silent	
Length (L)	4457mm		
Width (W)	2050mm	40FT	
Height (H)	2328mm		
Net Weight	10678KG		

AGG POWER gensets are compliant with EC mark which include the following directives:

* 2006/42/EC Machinery safety.

* 2006/95/EC Low voltage

* EN 60204-1: 2006+A1:2009, EN ISO 12100:2010, EN ISO 13849-1: 2008, EN 12601: 2010

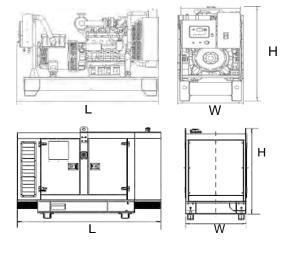
(1)Prime Power(PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operation conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24h of operation shall not exceed 70% of the PRP.

(2) Standby Power (ESP):

According to ISO 8528-1:2005, standby power is the maximum power available during a variable electrical power sequence, under the stated operation conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200h of operation per year with the maintenance intervals approcedures being caried out as prescribed by the manufacturers. The permissible average power output over 24h of operation shall not exceed 70% of the ESP.











Engine Specification S12R-PTA2

GENERAL ENGINE DATA

ULINERAL ENGINE DATA		
Туре	-	
Aspiration	Turbo-Charged, After (Cooler
	(Jacket water to Coole	r)
Cylinder Arragemen		
No.of Cylinders	12	
Bore mm(in.)		(6.69)
Stroke mm(in.)		(7.09)
Displacement liter(ir ³)		(2992)
Compression Ratio		
Dry Weight - Engine only - kg(lb		(10760)
Wet Weight - Engine only - kg(lb	5160	(11378)
PERFORMANCE DATA		
Steady State Speed Stability Band at any Constant Load		
Hydraulic (std.) or Electric Governor - %	±0.25 or	r better
Maximum Overspeed Capacity - rpm		
Moment of inertia of Rotating Components - kg ¹ m ² (lbf ¹ ft ²)		(1787)
(Includes Std.Flywheel)		
Cyclic Speed Variation with Flywheel a 1800rpm	1/507	
1500rpm ———	1/294	
ENGINE MOUNTING		
Maximum Bending Moment at Rear Face of Flywheel Housing - kg m(lb	of ft)	(3256)
AIR INLET SYSTEM	,	
Maximum Intake Air Restriction (Includes piping		
With Clean Filter Element - mm F ₂ O (in.H ₂ O)	400	(15.7)
With Dirty Filter Element - mm F_2O (in H_2O)		(25.0)
EXHAUST SYSTEM		()
Maximum Allowable Back Pressure - mm F_2O (in. H_2O)	600	(23.6)
LUBRICATION SYSTEM		()
Oil Pressure at Idle - kgf/cm ² (psi)	2~3	(29~43)
at Rate Speed - kgf/cm ² (psi)	_	
Maximum Oil Temperature - °C(°F)		(230)
Oil Capacity of Standard Pan High - liter (U.S.gal)		(39.6)
Low - liter (U.S.gal)		(28.5)
Total System Capacity (Includes Oil Filter) - liter (U.S.gal		
Maximum Angle of Installation (Std. Pan) Front Down		(1710)
(Engine Only) Front Up		
Side to Side —		
COOLING SYSTEM	22.3	
Coolant Capactiy (Engine only) - liter (U.S.gal		(33.0)
Maximum External Friction Head at Engine Outlet - kgf/cn ² (psi)		(5.0)
Maximum Static Head of Coolant above Crankshaft Center - m(ft		(32.8)
Maximum Outlet Pressure of Engine Water Pump - kgf/cn ² (psi)		(28.6)
Standard Thermostat (modulating)Range-°C(°F)		· /
Maximum Coolant Temperature at Engine Outlet-°C(°F)	98	(208)
Minimum Coolant Expansion Space - % of System Capacity	10	(200)
Maximum Coolant Temperature at Intercooler Inlet, TK type ^o C(°F)	10	
Maximum Air Restriction on Discharge Side of Radiator and Fan-mm H ₂ O(in.)	H.O.)	(0.4)
1 1 1 1 1 1 1 1 1 1	120) 10	(0.7)





Alternator

Alternator		
Poles	Num	4
Winding Connections (standard)		Star-serie
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter System		Brushless
Voltage Regulator		A.V.R. (Electronic)
Bearing		Single bearing
Coupling		Flexible disc
Coating type		Standard (Vacuum impregnation)

Options

Engine	Alternator	Generator Sets	Fuel System	Canopy
 Water Jacket Preheater Oil Preheater 	 Winding Temperature measuring Instrument Alternator Preheater PMG Anti-damp and anti-corrosion treatment Anti-condensation heater 	•Tools with the machine	 Low fuel level alarm Automatic fuel feeding system Fuel T-valves 	•Rental Type Canopy •Trailer
Lubricating System	Exhaust System	Cooling System	Control Panel	Voltages
●Oil with the machine	 Protection board from hotness 	 Front heat protection Coolant (-30°C) 	 Remote control panel ATS Remote controller Synchronizing controller 	 415/240V 380/220V 220/127V 220/127V 200-115V







Your Professional Power Assistant

Control Panel



Product description

- Single gen-set controller for Stand-by and Primepower applications
- Direct communication with EFI engines
- Total remote monitoring and control

Key features

- Easy to install, configure and use
- Wide range of communication capabilities including:
 - connection via RS232, RS485, CAN and on board USB
 - internet access using Ethernet or GPRS
 - support for Modbus and SNMP protocols
- Cloud-based monitoring and control
- Active SMS and emails in different languages
- 2x 5 A binary outputs for cranking and fuel solenoid
- Option for up to 16 additional binary inputs/outputs
- Flexible event based history with up to 350 events
- Load shedding, dummy load capability
- Automatic temperature based cooling/heating
- Comprehensive gen-set protections
- Multipurpose flexible timers
- True RMS measurement

Available extension modules

Product	Description	Order code
CM-Ethernet	Ethernet interface	CM2ETHERXBX
CM-GPRS	GSM modem / wireless internet	CM2GPRSXXBX
CM-RS232-485	Dual port interface	CM223248XBX
EM-BIO8-EFCP	8 additional binary inputs/outputs	EM2BIO8EXBX

Functions and protections

Description	ANSI code	Descritption	ANSI code
Over voltage	59	Load shedding	32P
Under voltage	27	Overload	32
Voltage asymmetry and Phase rotation**	47	Power factor	55
Over frequency	81H	Temperature	49T
Under frequency	81L	Gas (fuel) level	71
Over current*	50 + 51	Earth fault current	50N + 64
Current unbalance	46		

* Short current only



** Fixed setting

