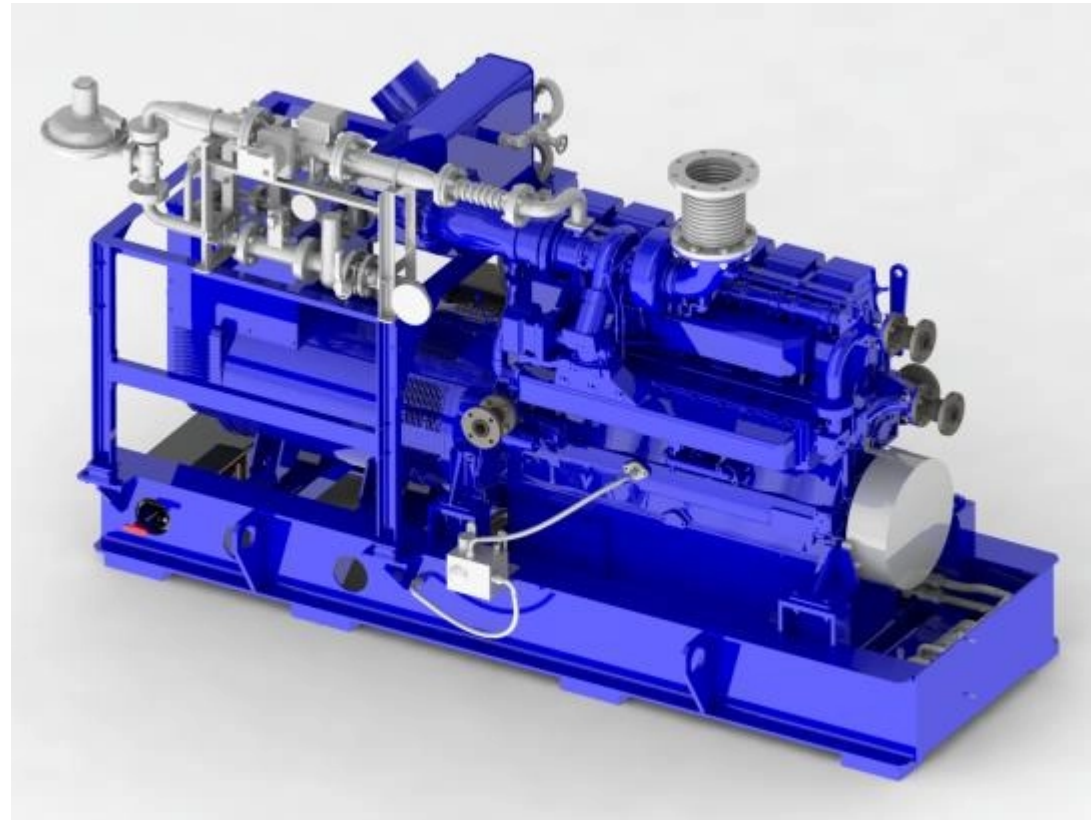


# MITSUBISHI 500KW GAS GENSET MGS- G-EU 625-C



## Rating

Generating set model	MGS-G-EU 625-C
Generator voltage	400 V
Frequency	50 Hz
Gross generator output	500 kWe 625 KVA
Power factor	1 / 0.8
Duty	Base load
Rating	Continuous
Overload	Not available
Installation location	Indoor

## Alternator main data

Enclosed, self ventilated, self regulated, brushless	
Bearing configuration	Single
Insulation class	H
Temperature rise class	F

## Design Conditions

Ambient temp - avg/max	25 / 40°C
Ambient temp - min	- 15°C
Altitude (maxi)	150 m a.s.l.
Relative humidity (maxi)	85 %
Fuel gas LHV	36470 kJ/Nm3
Fuel gas methan number-min	80
Fuel gas	Natural gas
NOx emissions level (O2 5%)	500 mg/Nm3
Lube oil consumption - max	0.34 g/kWh

## Engine data

Engine model	GS6R2-PTK
Engine speed	1500 Rpm
Engine brake output	523.6 kWm
Cylinder configuration	6



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Temperature rise class	F	Cylinder configuration	DL
Cooling method	Air IC01	Total displacement	30 liters
Protection	IP23	Bore x Stroke	170 x 220 mm
Excitation system	digital	Compression ratio	12.6 :1
PT100 for bearing and stator winding		Turbocharged	4 cycles
AVR for single and parallel operation		Governor	Electronic
Space heater		Cooling method (electric pump)	Water (radiator)
Set of CT's for measure and protection		Starting method	Electrical 24 V DC
		Gas pressure at gas line inlet	300 to 600 Kpa

**Standards**

I.S.O. : International Standard Organization  
 C.E.N. : European Standard Committee  
 I.E.C: International Electric Commission  
 J.I.S : Japanese Industrial Standards (for engine)  
 J.E.C: Japan. Electrotechnical committee (engine)  
 J.E.M: Japan Elec. Manufacturers Association (Eng.)  
 Manufacturers standards

**CE compliance**

2014/35/EU : low voltage  
 2006/42/EC : machinery  
 2014/30/EU : EMC  
 2014/68/EU : PED

**Language - Units**

Drawings, documents, nameplates in English  
 SI metric system

**Tolerances and conditions**

Efficiency data for average conditions (avg) – derating above 150 m asl and 40°C intake air temperature  
 Fuel input: 0/+5% (ISO3046/1). Submitted to fuel gas specification confirmation  
 Heat rejection data for radiator design: including 17% margin  
 Exhaust gas flow / temperature: +/- 6% - +/- 8%  
 Pictures are not contractual and includes optional accessories  
 These information are not contractual. They can be modified by MTEE without prior notice.

