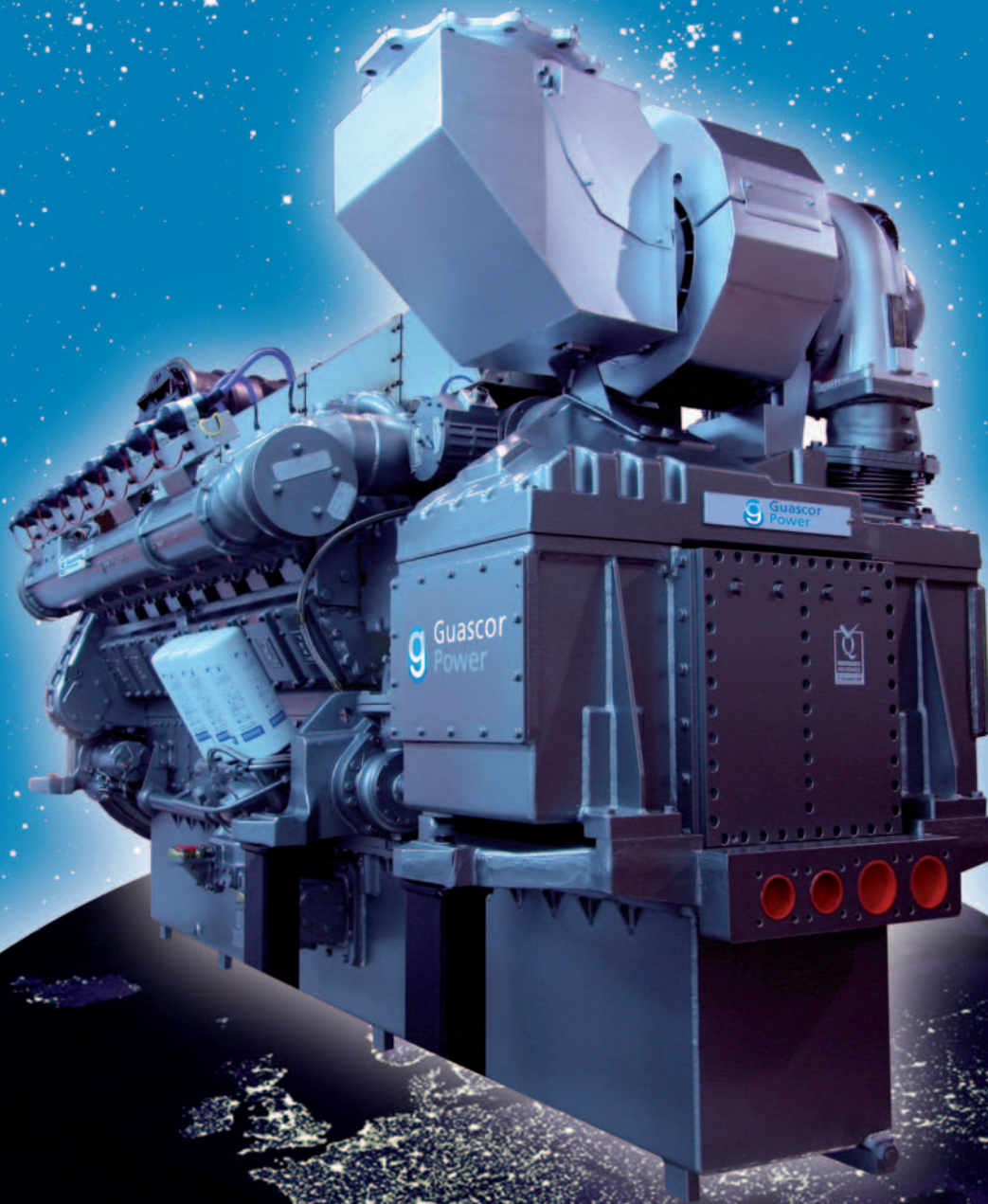


*Latest Generation Engine*

# HGM 560

**1240 kWm - 1200 kW<sub>e</sub> / 1500rpm**

*HIGH EFFICIENCY - LOW EMISSION LEVELS*



**Guascor  
Power**



# HGM 560 ENGINE

The HGM 560 builds on over 50 years of GUASCOR experience in engine design, manufacturing, operation and maintenance.

High-powered GUASCOR Gas engine with 1240 KWb at 1500 rpm, electrical efficiency of 41.2%, operating with Natural Gas with MN 70.

The emissions can be reduced up to the most exigent values of 1/2 TA-Luft (250 NOx mg /Nm<sup>3</sup>).

Control panel (GIZAR) with all engine-sensing devices (analogical and digital signals) and built-in electronic controls (ignition, power and carburetion monitoring and anti-knocking system).

A PLC with a system for registering over 70 variables coordinates communication between devices and takes care of engine safety management. ETHERNET link to the plant's higher control panel.

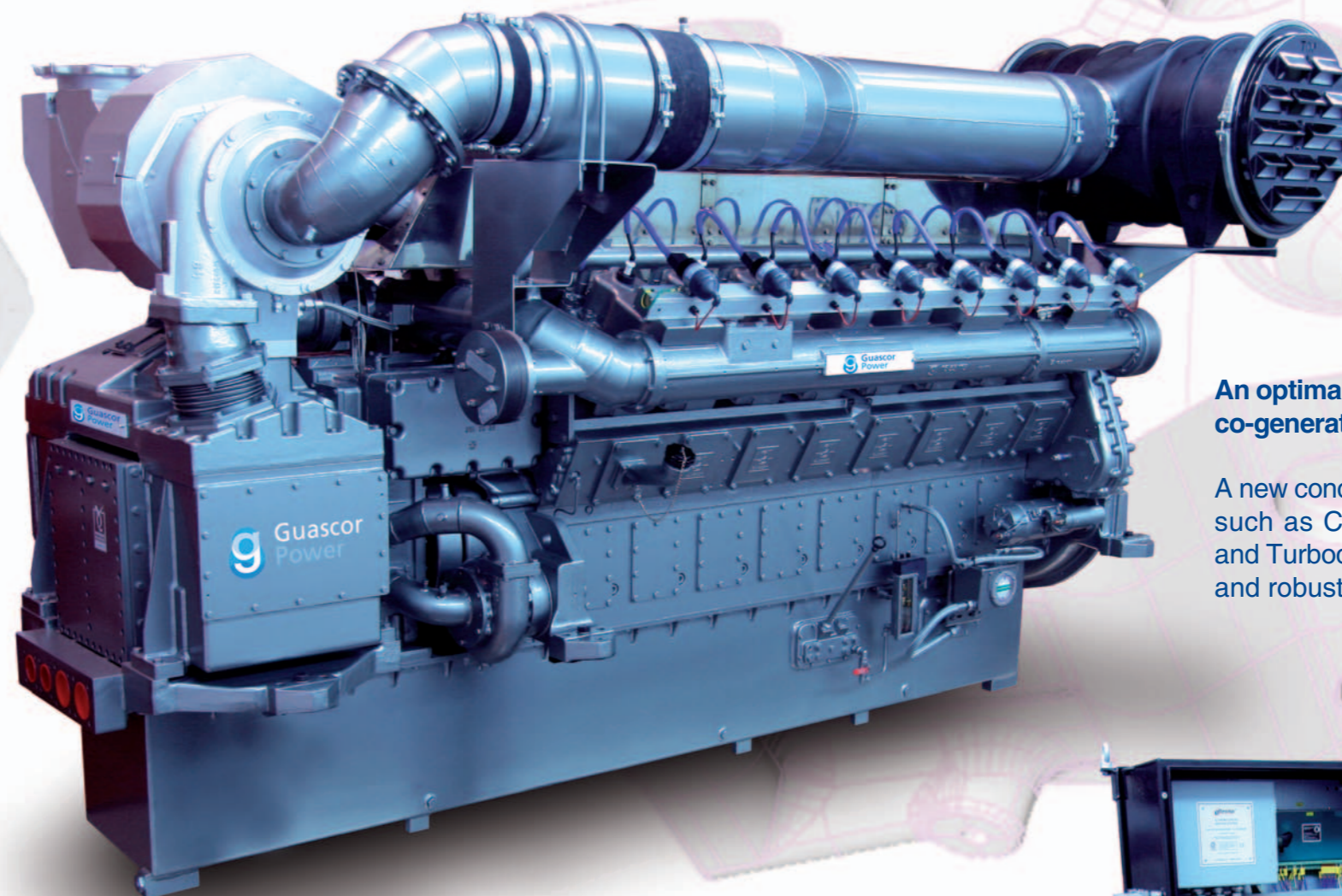
#### Low Maintenance needs:

- Maintenance operations spaced out in time.
- Special settings make for very simple, easy and user-friendly maintenance operations.

Optional containerized modular solutions available to meet specific customer requirements.

#### A perfect response to current market needs:

- High reliability.
- High energy-saving performance.
- Optimal behavior with different qualities of gas .



An optimal solution for electrical generation, co-generation and trigeneration applications.

A new conception of critical engine components such as Cylinder heads, Valves, Camshafts and Turbochargers, makes it the most effective and robust engine on the market.

41,2 %

ELECTRICAL  
EFFICIENCY

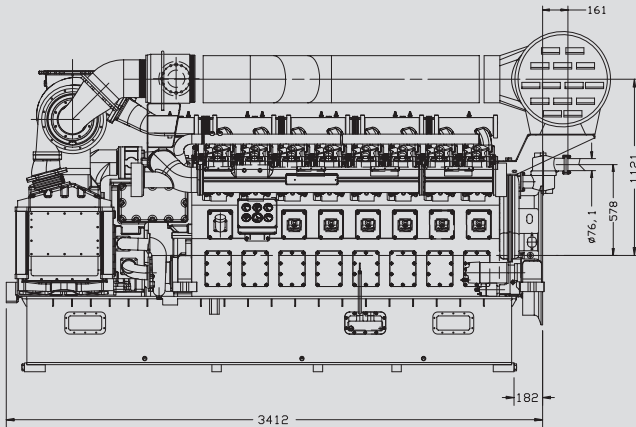
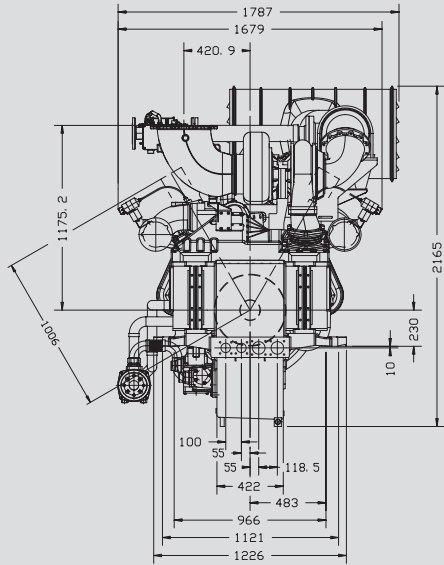
LOW NOx  
EMISSION LEVEL

1/2  
TA-Luft  
(250mg NOx/Nm<sup>3</sup>)



GIZAR Control panel.

# HGM 560 ENGINE TECHNICAL DATA



## General Dimensions

<b>Length:</b>	3.412 mm.	<b>Height:</b>	2.165 mm.
<b>Width:</b>	1.787 mm.	<b>Weight:</b>	7.250 kg.

\* Dimensions and weight are estimated and not valid for construction.

## General Specifications

### GUASCOR ENGINE HGM560

<b>Type:</b>	Miller Cicle Gas Engine
<b>Configuration:</b>	16 cil V 60°
<b>Displacement:</b>	56,3 l

### Rating Standard

<b>Environmental conditions:</b>	s/ ISO 3046/1.
<b>Natural Gas:</b>	s/ Number Methane 70.
<b>Continuous Power.</b>	
<b>R.P.M.</b>	1.500

## Technical Characteristics

<b>Version</b>	90/55 °C
<b>Mechanical Power</b>	1.240 kWm
<b>Electrical Power</b>	1.200 kWe
<b>Thermal Efficiency</b>	42,4%
<b>Heat in main water circuit</b>	600 kW
<b>Heat in secondary water circuit</b>	222 kW
<b>Heat in charge cooler</b>	72 kW
<b>Heat in oil cooler</b>	144 kW
<b>Heat in exhaust gases (25 °C)</b>	795 kW
<b>Heat in exhaust gases (120 °C)</b>	602 kW
<b>Exhaust gases temperature</b>	417 °C
<b>Intake air flow</b>	6.120 kg/h
<b>Exhaust gas flow (Wet)</b>	6.340 kg/h



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