

# **G-HM** Gas engines

The proven HM engine series offers a robust design with This is the first reference of the 42HM model engine recently released.

A cost efficient compact solution for power generation and cogeneration processes.

## ***Applications***

- Power generation (50 Hz and 60 Hz)
- CHP - cogeneration

## ***Best-in-class electrical efficiencies in Biogas (W2P) engines, H Series :***

24HM: 500 kW<sub>e</sub>

42HM: 1,000 kW<sub>e</sub>

56HM: 1,300 kW<sub>e</sub>

## ***Best-in-class electrical efficiencies in Natural Gas H Series :***

24HM: 500 kW<sub>e</sub>

56HM: 1,300 kW<sub>e</sub>

## Power generation - CHP

Power output*	502 to 1,315 kWe
Fuel	Natural gas, biogas
Frequency	50 and 60 Hz
Speed	1,200 / 1,500 / 1,800 rpm
Electric efficiency	41 - 43 %
Thermal efficiency	47 - 49 %
Total efficiency	89 - 91 %
NOx emissions	500 mg / Nm <sup>3</sup>

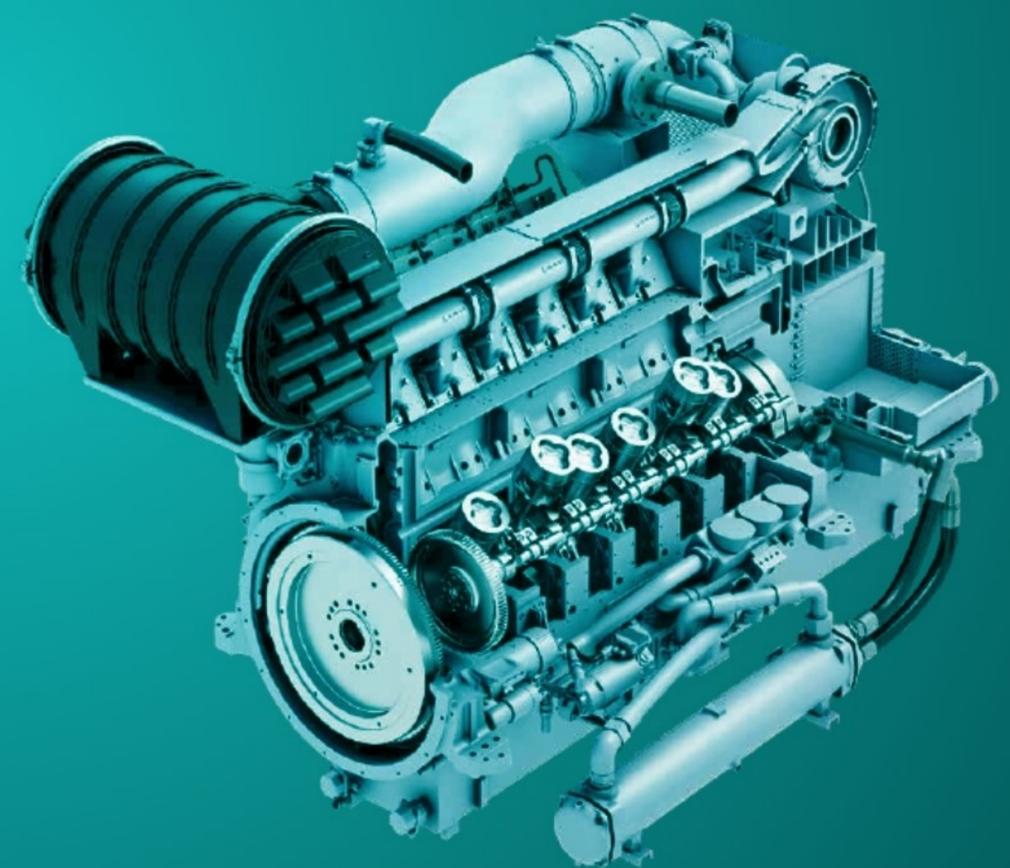
- Miller cycle
- High efficiency
- Turbocharged and aftercooled
- Dry exhaust manifold
- Electronically carbureted
- Fuel blending capability natural gas/biogas available
- Oil cooler in main circuit option available
- Single/double stage intercooler
- Reduced oil consumption
- Emissions control

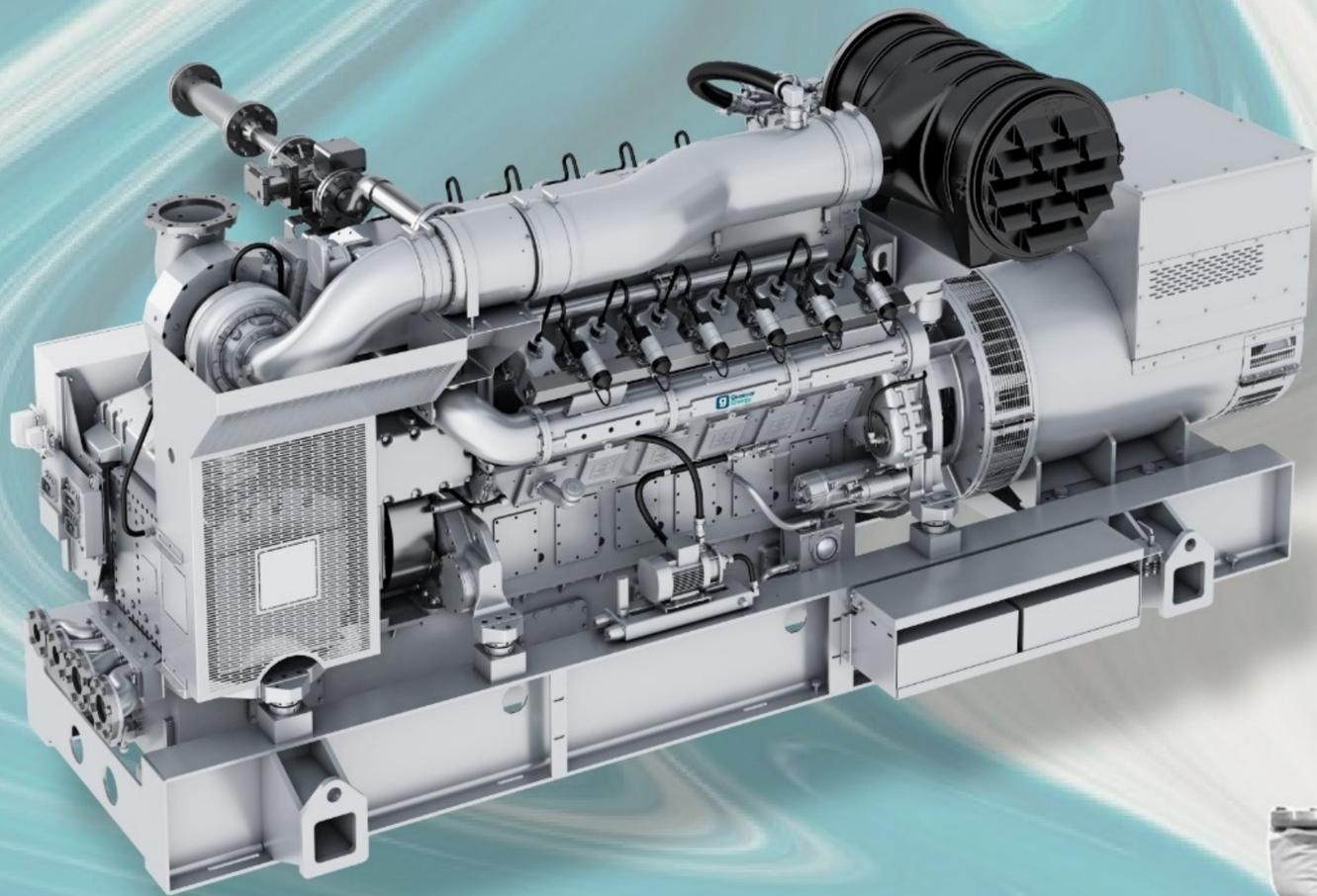
## Physical dimensions

Approximate weight	6,200 to 11,000 kg
Length	4.0 - 5.6 m
Width	1.8 - 1.9 m
Height	1.7 - 2.3 m

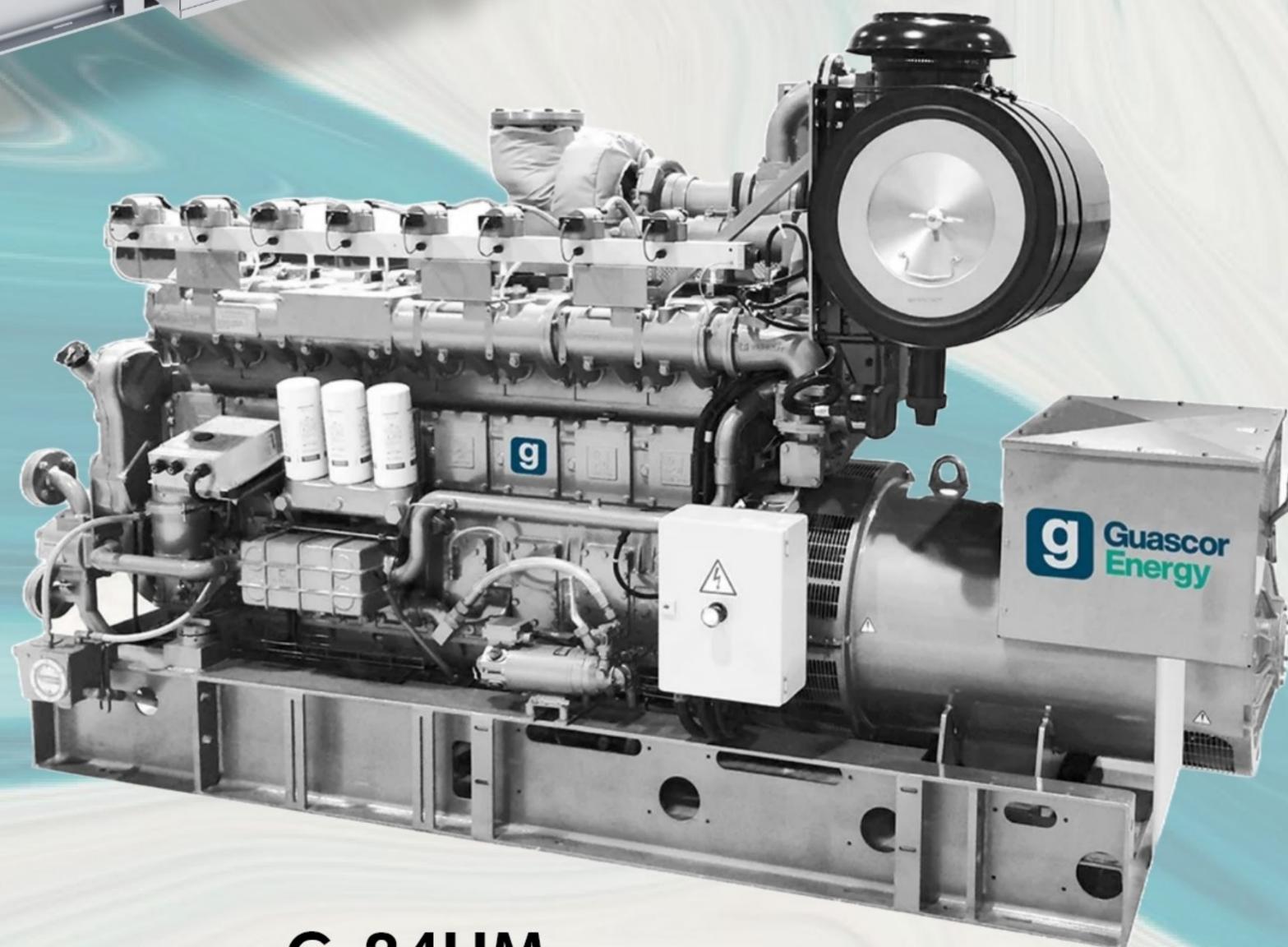
- Proven design
- High thermal efficiency
- Integrated proprietary GCS-E engine and GCS-G genset control systems

Supplied as a stand-alone engine, genset or in a fully containerized unit

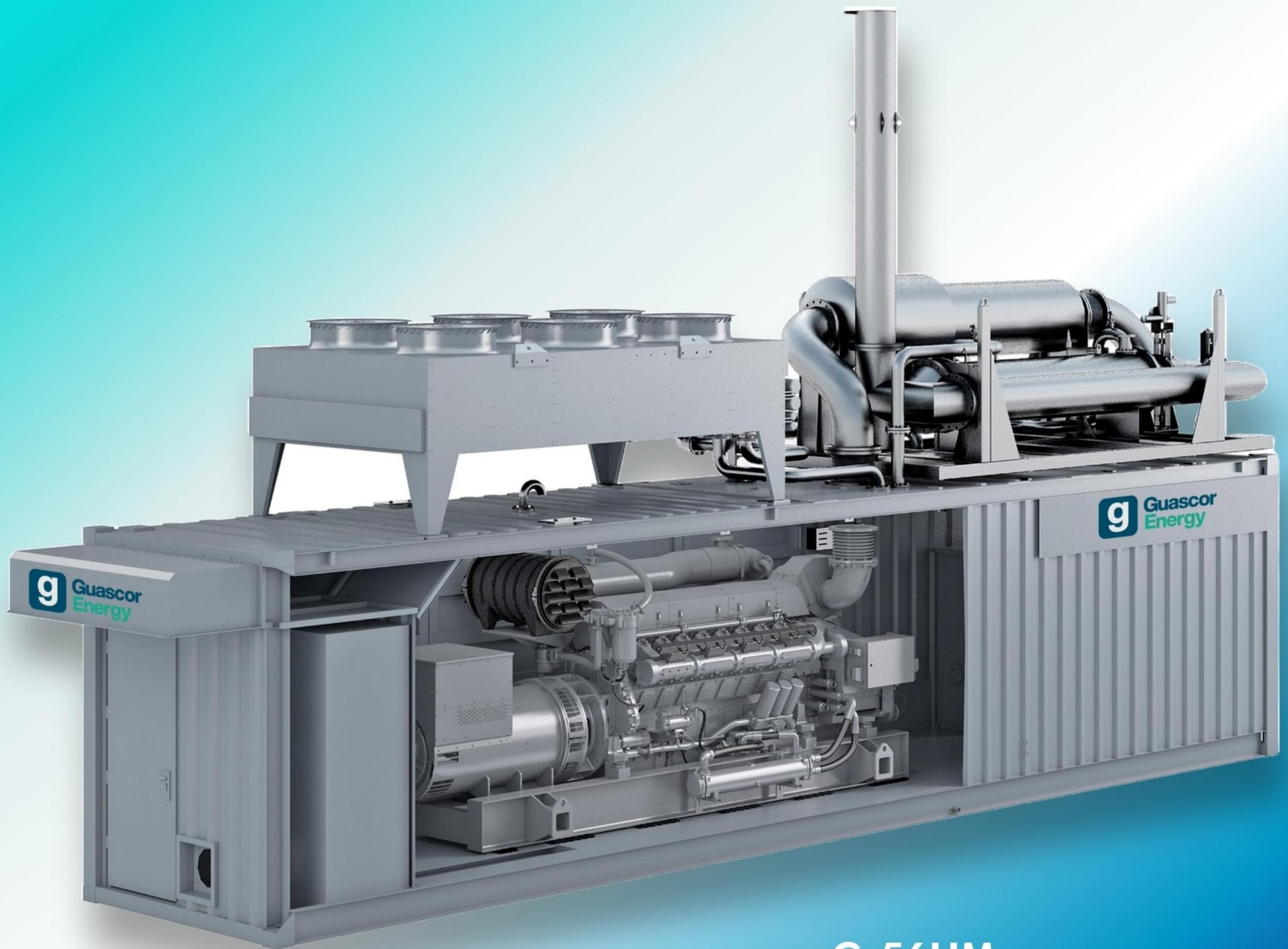




**G-42HM**



**G-24HM**



**G-56HM**  
**Containerized-package**