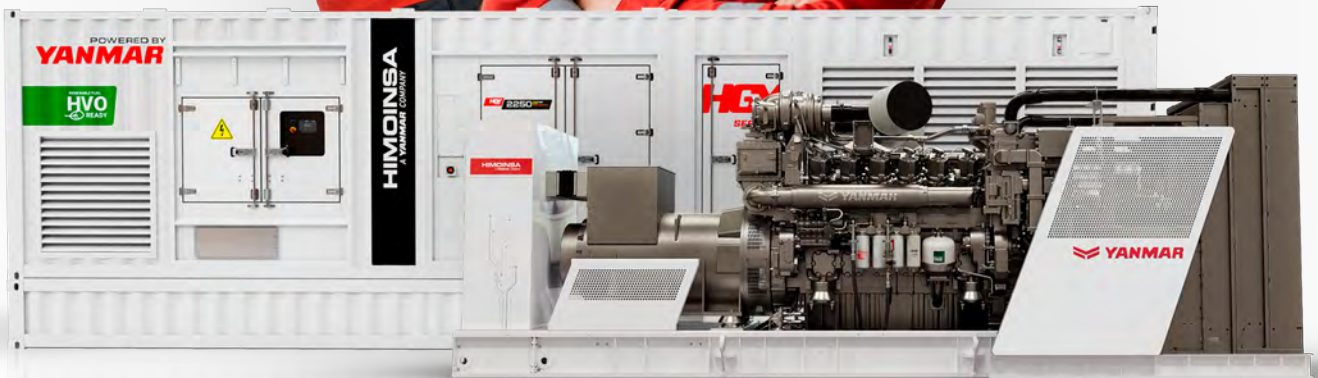




**POWER & RESPONSIBILITY**



**CRITICAL  
POWER SUPPLY**

**HIMOINSA**  
A YANMAR COMPANY

# Generators for Critical Power Supply



From 1250 kVA up to 4000 kVA  
EUROPEAN AND JAPANESE TECHNOLOGY



HGY Series Generators available in Open Skid and Soundproof versions:

## YANMAR COMPLETE RANGE

**01 Diesel | HVO Engine**  
Reducing GHG emissions

**02 Gas Engine**  
Reducing GHG emissions

**03 Hydrogen Engine**  
Next-generation engines for zero emissions

Working in progress: Gas and Hydrogen Engines.



Electronically controlled engines

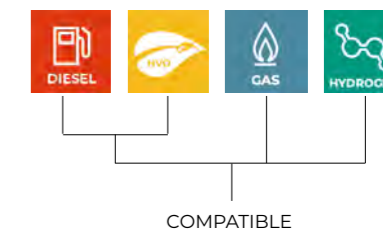
### HIMOINSA and YANMAR: A Strategic Partnership for Critical Power Solutions

HIMOINSA, part of the Yanmar Group, is a manufacturer of Power Technology Solutions who design and produce generator sets, battery storage systems, lighting towers, automatic transfer switches, monitoring controls and accessories, for backup and continuous power supply. The company launches the HGY Series, a new power solutions that will take the world by storm and become

an undisputed leader in the field of power generation for mission-critical projects.

### Sustainability

Compatible with alternative fuels such as HVO, gas, and hydrogen, HGY generators significantly reduce emissions, aligning with global sustainability goals and contributing to the Net Zero strategy.



### NEW GENERATORS UP TO 3500 KVA WITH YANMAR ENGINE FOR CRITICAL POWER SUPPLY.

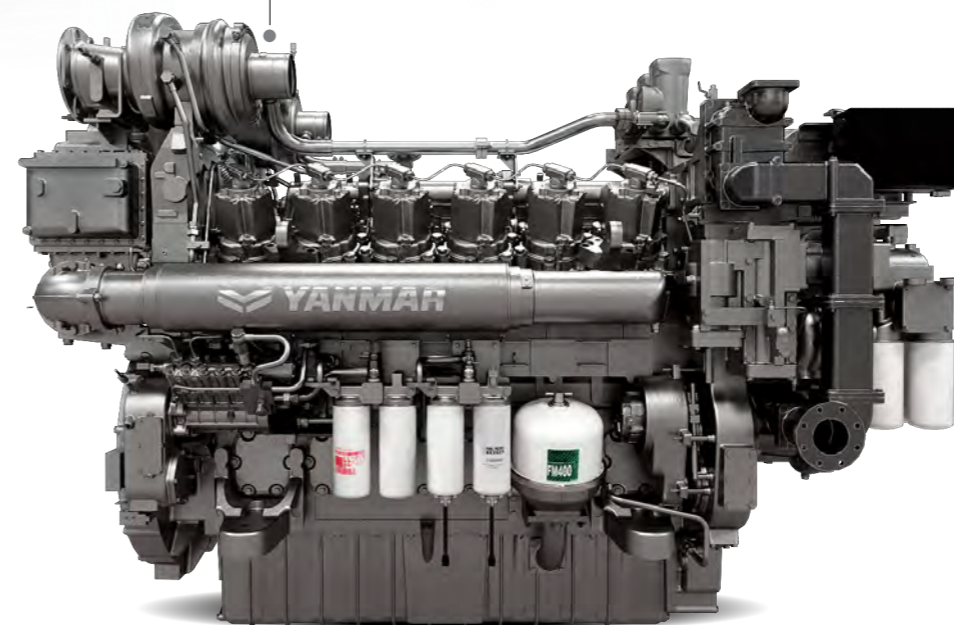
The new GY engine family has been born to be a key player in the power generation industry and is ready for alternative fuels like HVO, gas and hydrogen.



Hospitals and medical centers rely on backup generators to ensure the continuous operation of vital equipment such as ventilators, life support systems, and medication refrigeration.



Data centers require reliable, rapid-response power to protect infrastructure and prevent disruptions that could compromise data.



V 12

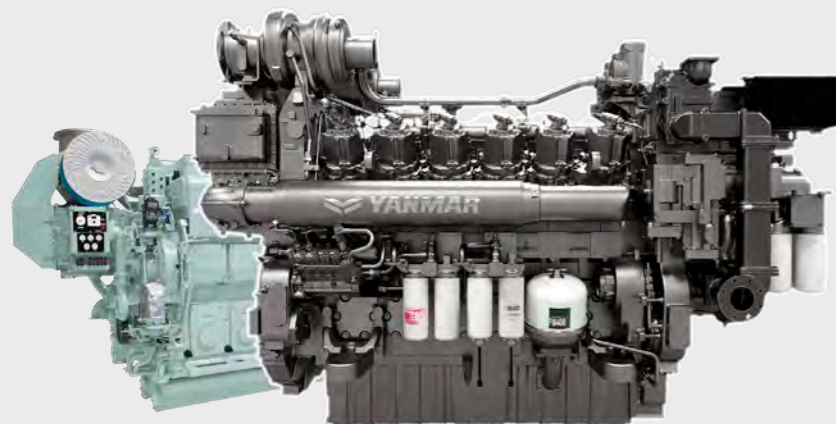
V 16

V 20

\*Future plan

The HGY series generators are equipped with the Yanmar engines from the GY175L engine family, which includes various models (12, 16, and 20 cylinders).

# 40 Years of Yanmar's high-speed engines history, first time to exceed 1500 kW.



kW

500

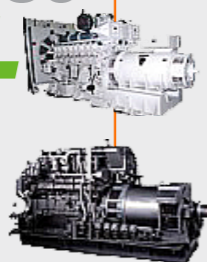
1.000

1.500

1982  
**SHL**



1986  
**NHL**

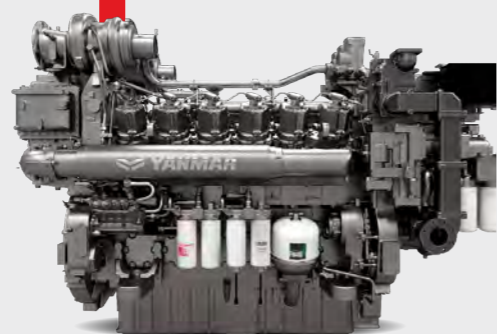


2001  
**AY**



# 2024 **HGY** SERIES

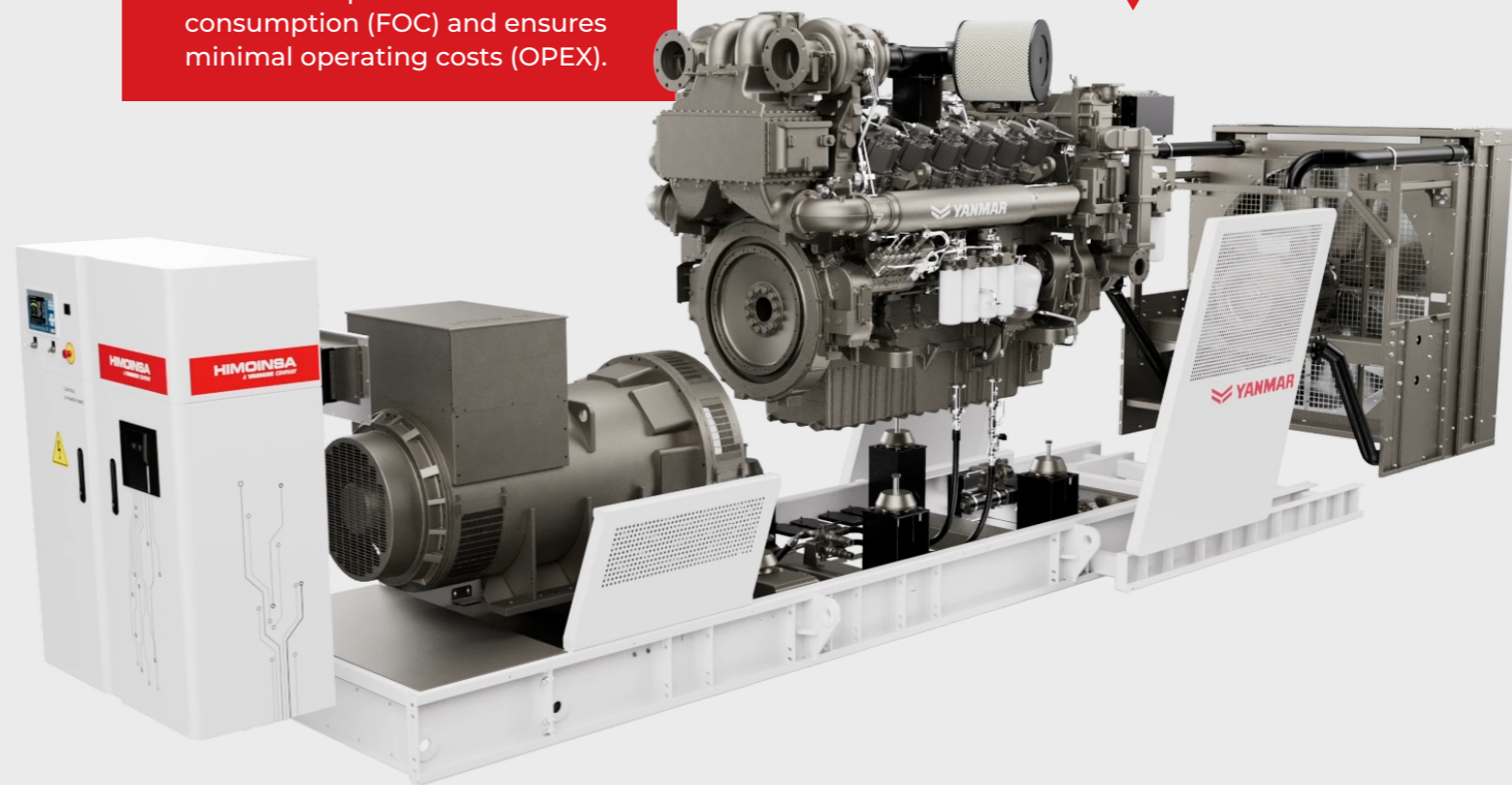
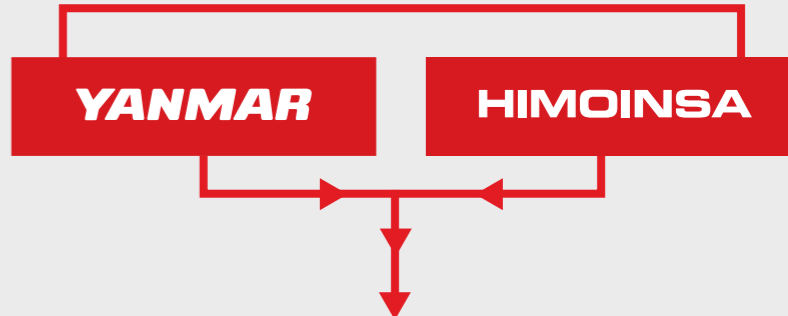
HGY is a new family of high speed engine with common rail injection system. This engine combines the unique combustion technology for high-speed engines and the reliability technology for medium-speed engines.



## Exceeding 1500 kW

Yanmar and HIMOINSA have developed this compact, high-performance engine in the power range above 1500 kW.

It features optimized fuel consumption (FOC) and ensures minimal operating costs (OPEX).



With over a century of experience, particularly in the marine and diesel engine sectors, and more than 40 years of developing high-speed engines, YANMAR, alongside the HIMOINSA team (its strategic and tactical partner in the project), has developed this compact, high-performance engine to meet market demands in the power range exceeding 1500 kW for the power generation market. It is distinguished by its optimization of fuel consumption (FOC) and guarantees minimal operating costs (OPEX).

The collaboration between Himoinsa's engineers, power generation experts and Yanmar's experience has been essential for integrating advanced technologies and innovative

solutions. Utilizing modern methodologies and cutting-edge engineering tools, this multidisciplinary team has overcome key technical challenges to create a reliable and efficient product that meets the demands of today's global market.

This innovative approach to power solution development combines YANMAR's extensive experience in engine design and manufacturing with HIMOINSA's specialization in power generation. Together, they are driving critical operations worldwide with state-of-the-art technologies and their mutual commitment to excellence.

# 01

## Common-rail fuel injection Systems and High-Pressure Pump:

Which generates up to 2,200-bar injection pressure for maximum efficiency and optimizes the combustion pressure curve through multiple injections.

# 02

## High Power Density:

The HGY Series provides exceptional performance in terms of emissions and power density (up to 37.9kWm/L). The high specific power density can reduce footprint.

# 03

## Single Cylinder

The design of the piston head and the fluid analysis is key for the engine efficiency and performance. Yanmar has spent thousands of engineering hours in this stage of the development.

# 04

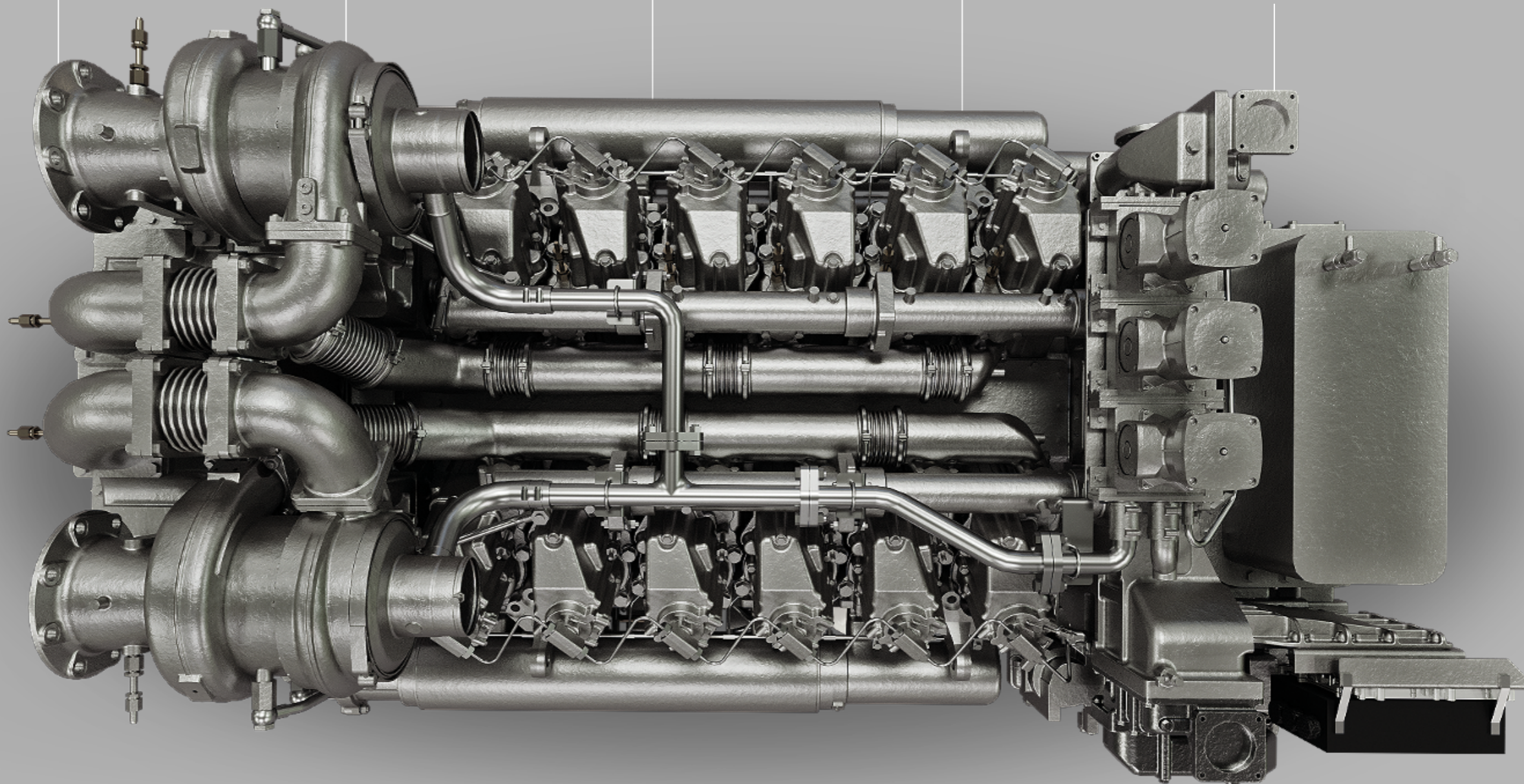
## Fast Response:

Fuel injection makes a huge difference in the power generation application where the speed of response is vital. The ECU can react to sudden changes in speed in milliseconds. Engine starting in less than 8 seconds. This engine can perform within ISO8528-5 G3 class conditions.

# 05

## Intuitive Engine Control Unit (ECU):

The ECU includes a number of physical parameters for optimal control of the injection system. The control system includes integrated, intuitive, operable diagnostic software, which allows remote monitoring of the engine and generator.



HGY750

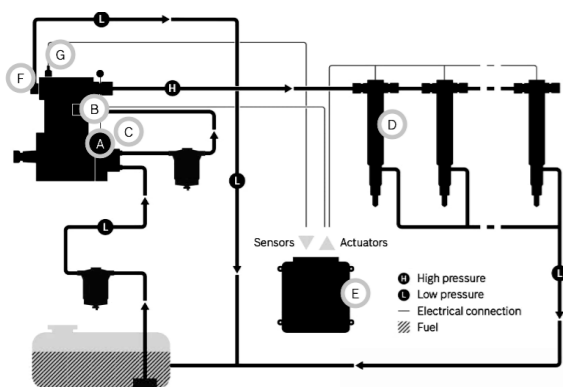
YANMAR



## Engine Technical Data

| Application         | 50Hz                                  | 60Hz                       |
|---------------------|---------------------------------------|----------------------------|
| Cylinders           | [-]                                   | V12 / V16 / (V20)          |
| Bore                | [mm.]                                 | 175                        |
| Stroke              | [mm.]                                 | 215                        |
| Displacement        | [L]                                   | 62.1 / 82.7                |
| Fuel Injection type | Electronic injection with common rail |                            |
| Air charge system   | Turbocharged and intercooled          |                            |
| Oil system          | Closed crankcase type                 |                            |
| Cooling system      | Two water circuits (HT+LT)            |                            |
| Bank angle          | [deg]                                 | 60                         |
| Engine speed        | [rpm]                                 | 1500 / 1800                |
| BMEP                | [MPa]                                 | Up to 2.84                 |
| Piston speed        | [m/s]                                 | Up to 12.9                 |
| FIE                 | [-]                                   | Modular common rail system |

## Modular common rail system



The Modular Common Rail system uses a high-pressure pump that feeds a common rail, from which the injectors atomize the fuel at precise moments controlled by the ECU, enhancing efficiency, reducing emissions, and simplifying maintenance.

- A** High-pressure pump with integrated storage volume
- B** Intake metering valve
- C** Gear pump
- D** Injector
- E** Electronic engine control unit
- F** Pressure relief valve
- G** Pressure sensor

## Power density | Reduced size

How to achieve high power density on an engine? High pressure common rail injection is key as well as a good design of the combustion chamber. The common rail system of the GY engine is capable of

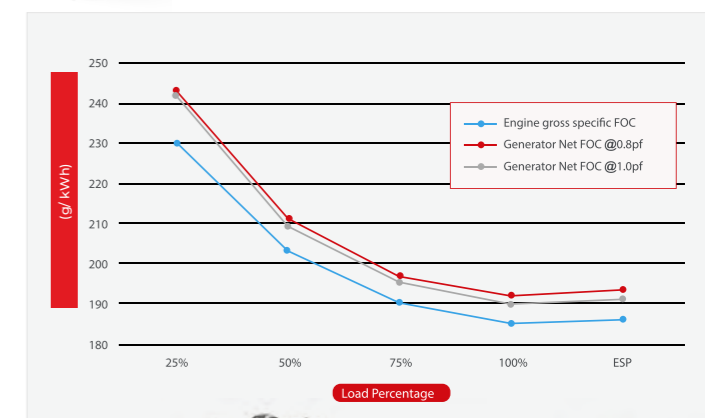
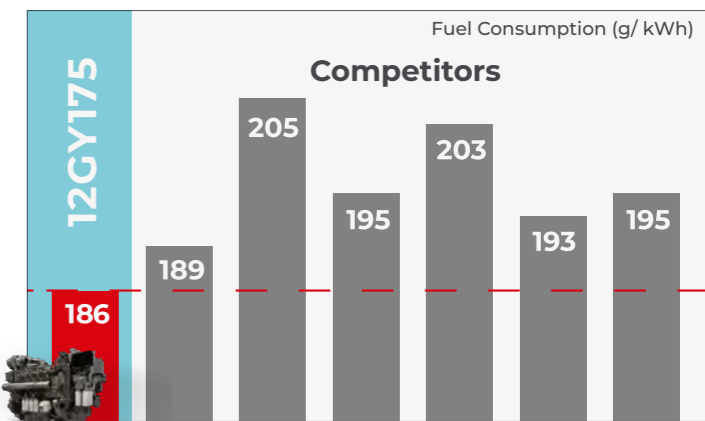
injection pressures of up to 2200 bar.. To withstand the high temperatures in the combustion chamber Yanmar has taken special attention in the cooling design and lubrication system.



Structure of common rail injector

## Fuel Consumption Best-in-class in the market

Efficiency is the main Himoina and Yanmar objective so the HGY generators has been designed to ensure the best optimized fuel consumption of the market thanks to its new common-rail high pressure fuel injection system, its piston design and its high power density. This FOC ensures saving cost, emissions reduction and also great autonomy, so there are a lot of reasons to consider the HGY Series as one of the most efficient and competitive product in the market.



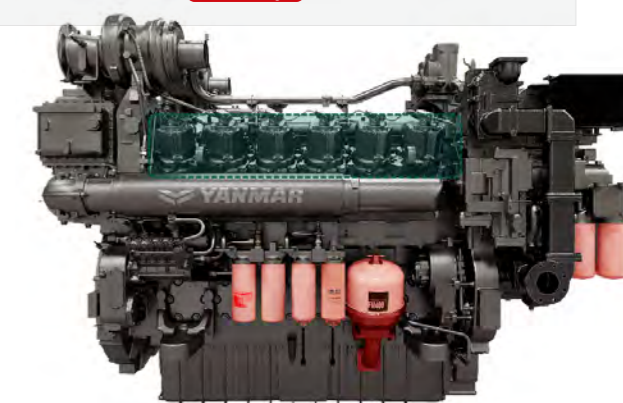
## Service intervals and extended maintenance services.



Up to 500 hours for oil changes and a major overhaul interval of up to 30,000 hours.

The new design of these engines simplifies maintenance, as the engine consumables are accessible from one side. Many parts are compatible across the V12, V16, and V20 models, reducing the spare

parts inventory. The HGY Series offers extended service intervals. It features a top overhaul interval of 10,000 hours and a major overhaul interval of up to 30,000 hours for continuous operation.



Engine consumables located on one side

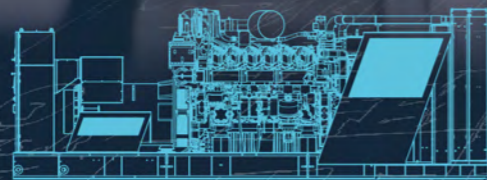
HIMOINSA also develops a remote management platform that optimizes performance and minimizes downtime through alerts and real-time monitoring.

# HGY FAMILY SERIES

## OPEN SKID VERSION

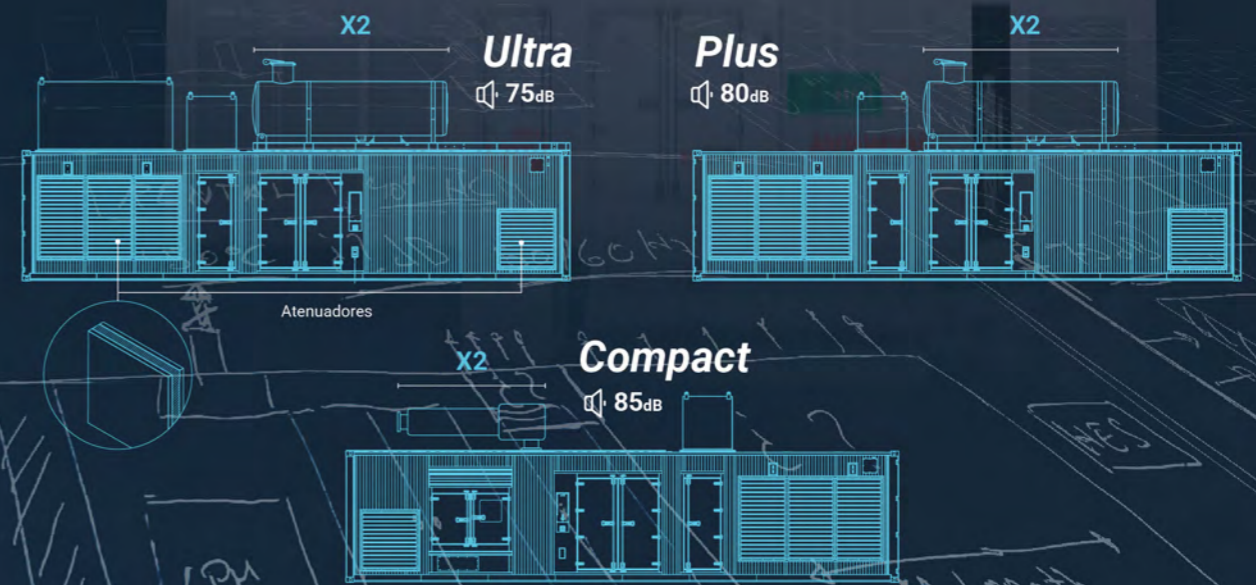


**Mechanical Radiator**  
~ 50/60 Hz



**FIXED APPLICATION**

## ADVANCED COMPACT VERSION



# HGY SERIES

Discover how the HGY Series redefines performance standards for critical-power applications, becoming the trusted solution for essential infrastructures.

## 01

Compact architecture, transportability and reduced footprint

## 02

ISO 8528-5, Class G3 compliance

## 03

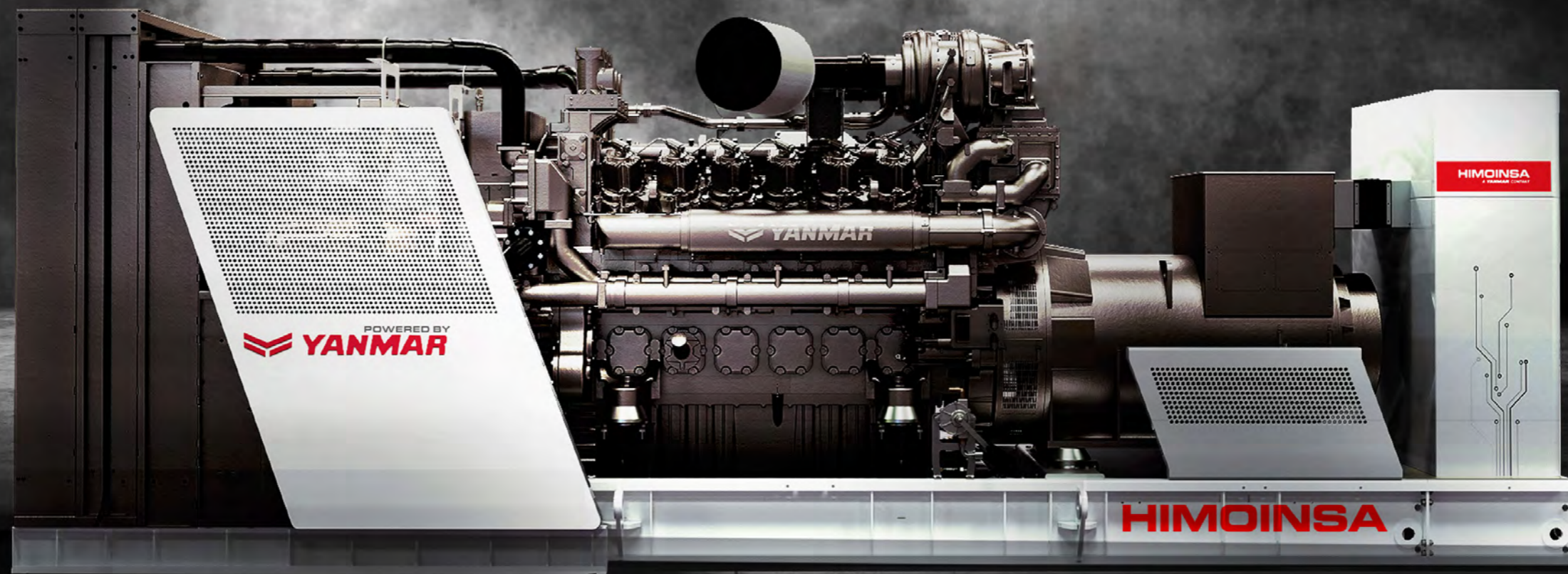
<8-second engine start: mission-critical availability

## 04

High efficiency and reduced fuel consumption

## 05

Maintainability of the unit and monitoring of consumables





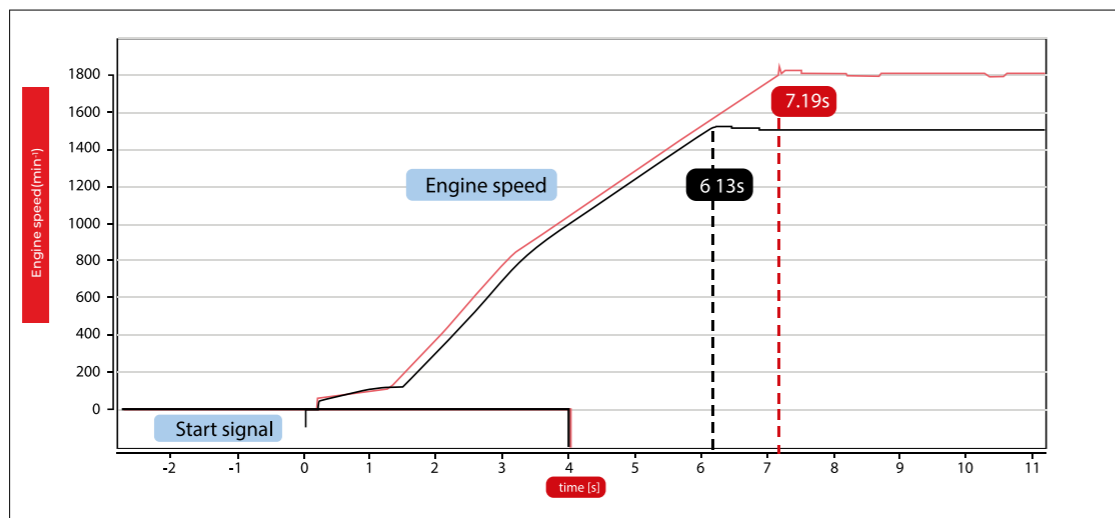
Engine starting in **<8sec**

Frequency drop **<7%**  
Including 100% load rejection  
(Frequency variation **<10%**)

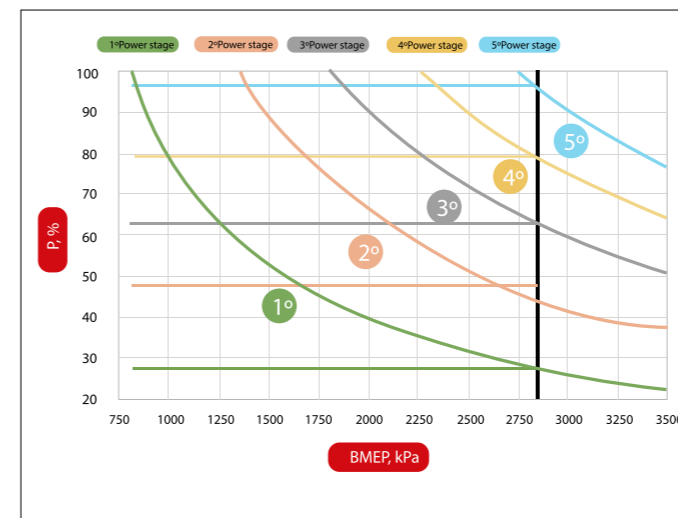
Full compliant with  
**ISO 8528-5  
G3 CLASS**

POWERED BY  
**YANMAR**

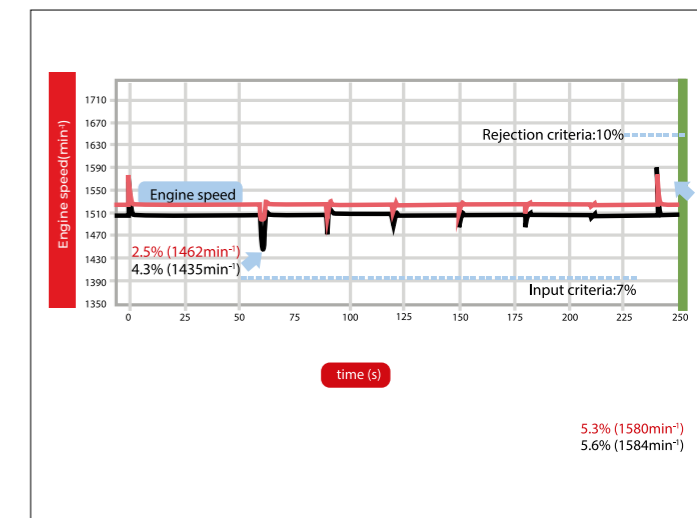
Engine starting in **<8sec**



- Engine with heater running but not hot.
- Common rail discharged.
- Low fuel pressure.



Full compliant with ISO8528-5 G3 CLASS

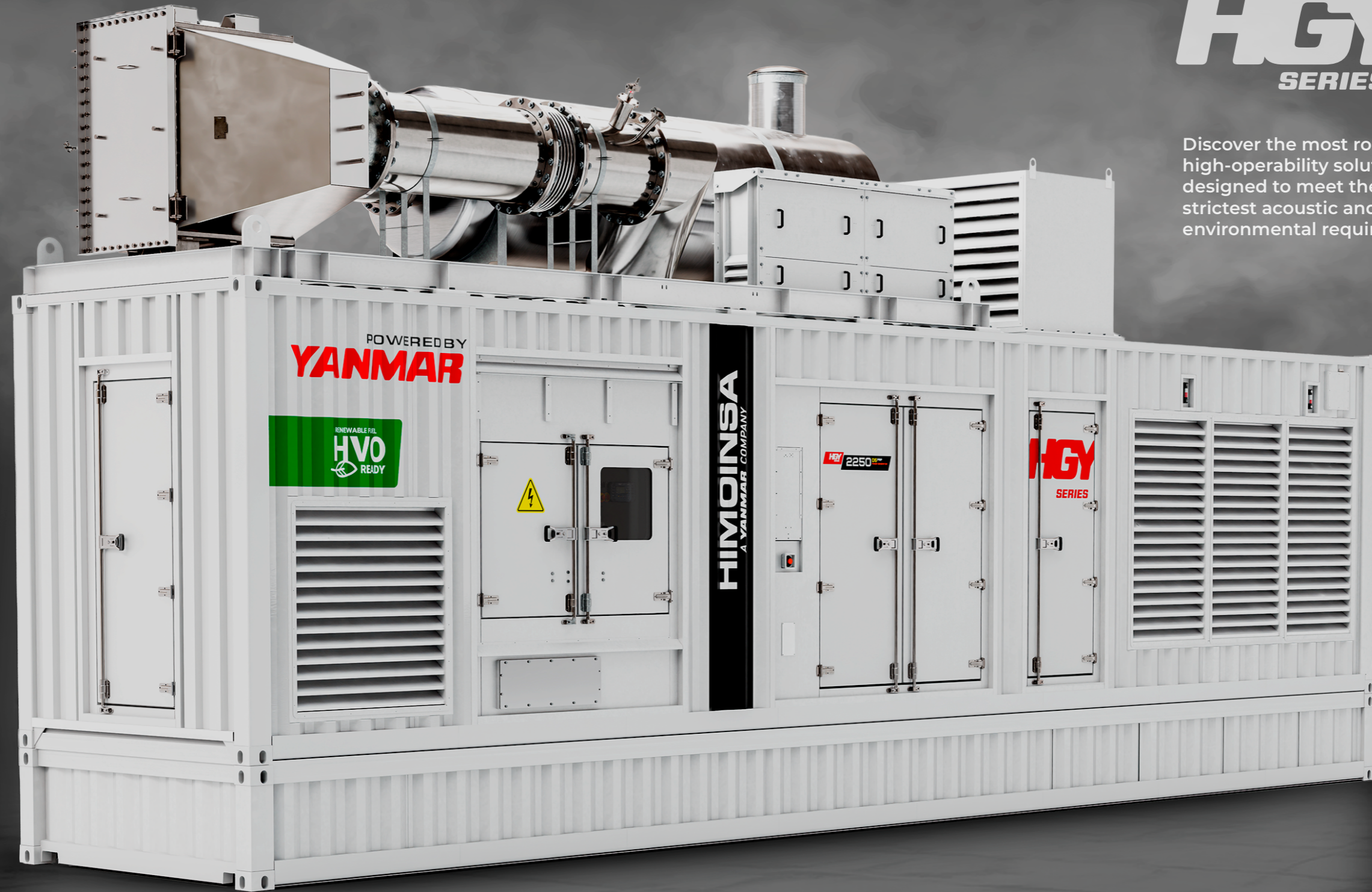


Frequency drop **<7%**  
Including 100% load rejection  
(Frequency variation <10%)

# HGY

SERIES ADVANCED  
COMPACT

Discover the most robust, high-operability solution designed to meet the strictest acoustic and environmental requirements.



01

Integrated, robust and compact | 40-ft ISO HQ container with CSC Safety Approval

02

Advanced acoustic engineering solutions with three configurations: 75/80/85 dB(A)

03

SCR system with HVO100 capability: The most sustainable configuration

04

Plug & Play solution, simplifying commissioning

05

Full connectivity with the control centre and between units

06

Accessibility and easy maintenance

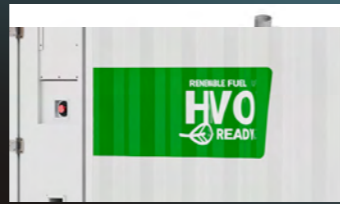
### OPERATIONAL EASE AND AVAILABILITY

The auxiliary heating and pre-lubrication system prepares the equipment for start-up. Monitoring of the unit's variables allows the status to be known and filter replacement to be planned.



### SUSTAINABILITY

The combination of SCR technology with the option to operate 100% pure HVO makes this model a benchmark in sustainable power generation, meeting the strictest environmental standard



### ADVANCED ACOUSTIC ENGINEERING SOLUTIONS

Mechanical silence. The cooling layout directs intake and exhaust airflow to minimize aerodynamic noise and enhance acoustic efficiency.



### EFFICIENCY AND ADAPTABILITY

Designed to deliver more, with excellent electrical stability. Reduced fuel consumption and dynamic adaptation between engine load and cooling management sustain performance in every operating condition.



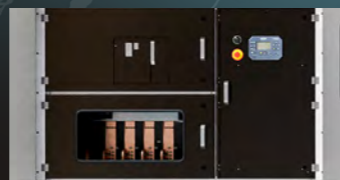
### EASY MAINTENANCE

Straightforward maintenance: front access to the interior of the container, removable grilles and easy-to-open access doors with latches, facilitating access to critical areas.



### CONNECTIVITY

End-to-end connectivity for every project. Local or remote operation, synchronization with other units, and advanced monitoring capabilities.



### PLUG & PLAY: EASY INSTALLATION AND COMMISSIONING

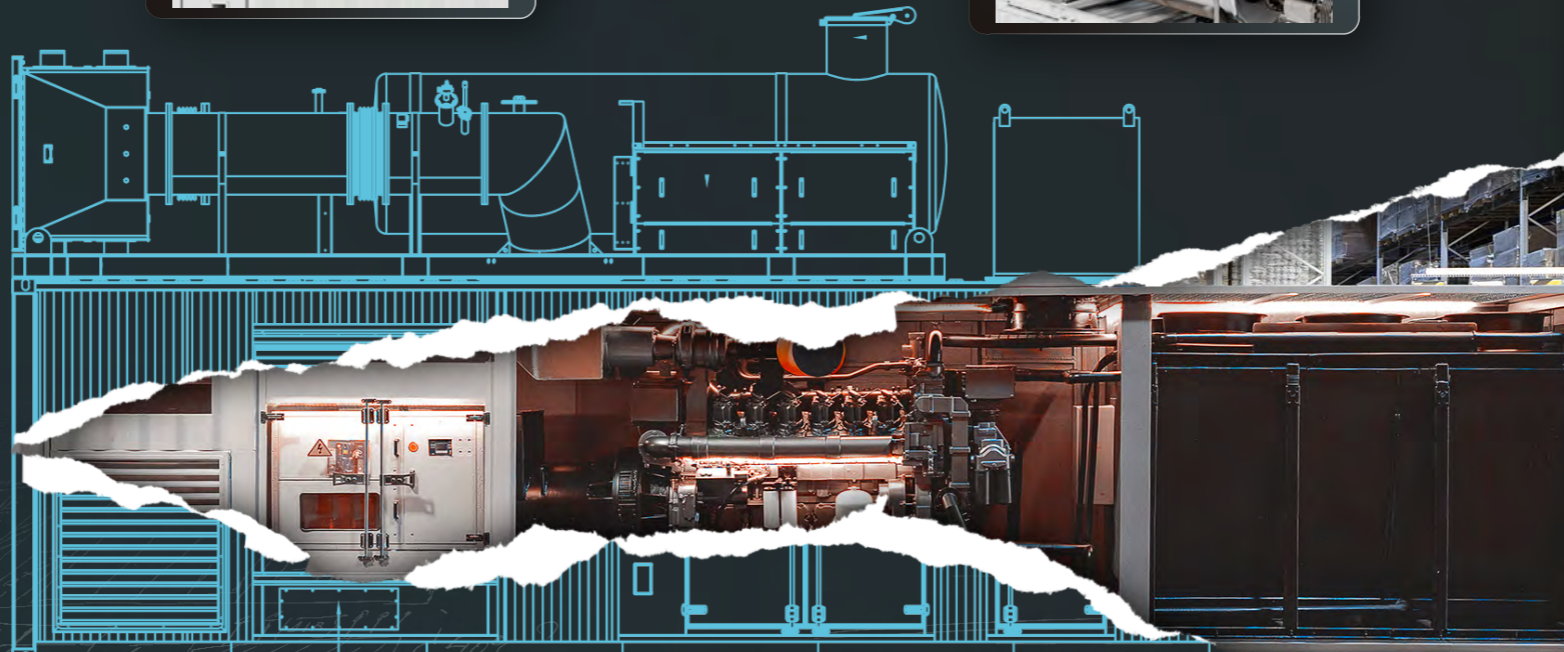
The Plug & Play architecture allows the installation to be activated easily. Everything fits: SCR roof connector, engine sensors routed to the control cabinet, fast-coupling fuel connections, external access to power connections, and use of modular control connectors between subsystems and other units.



### OPTIMIZED FOOTPRINT

Everything integrated into a 40-ft ISO HQ container. Compactness and robustness combined, with CSC Safety Approval for intermodal logistics without modifications.

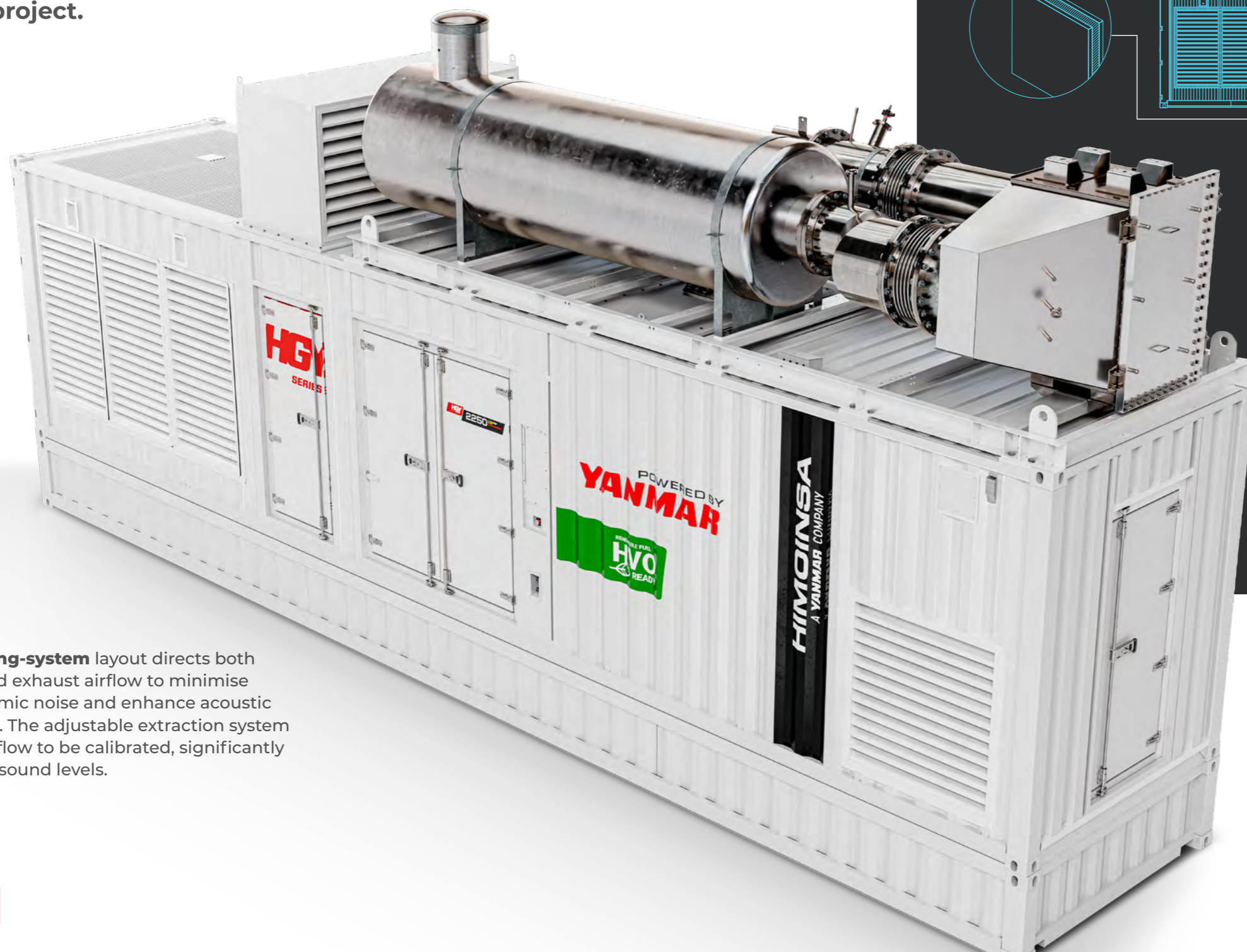
**CSC**  
SAFETY APPROVAL



# Advanced acousting engineering solutions

The HGY Series Advanced Compact Version showcases HIMOINSA's in-house capability to deliver high-performance acoustic engineering solutions, **exceeding the requirements of mission-critical sectors** such as Data Centers, Healthcare and Industrial applications, where noise emission reduction is a priority.

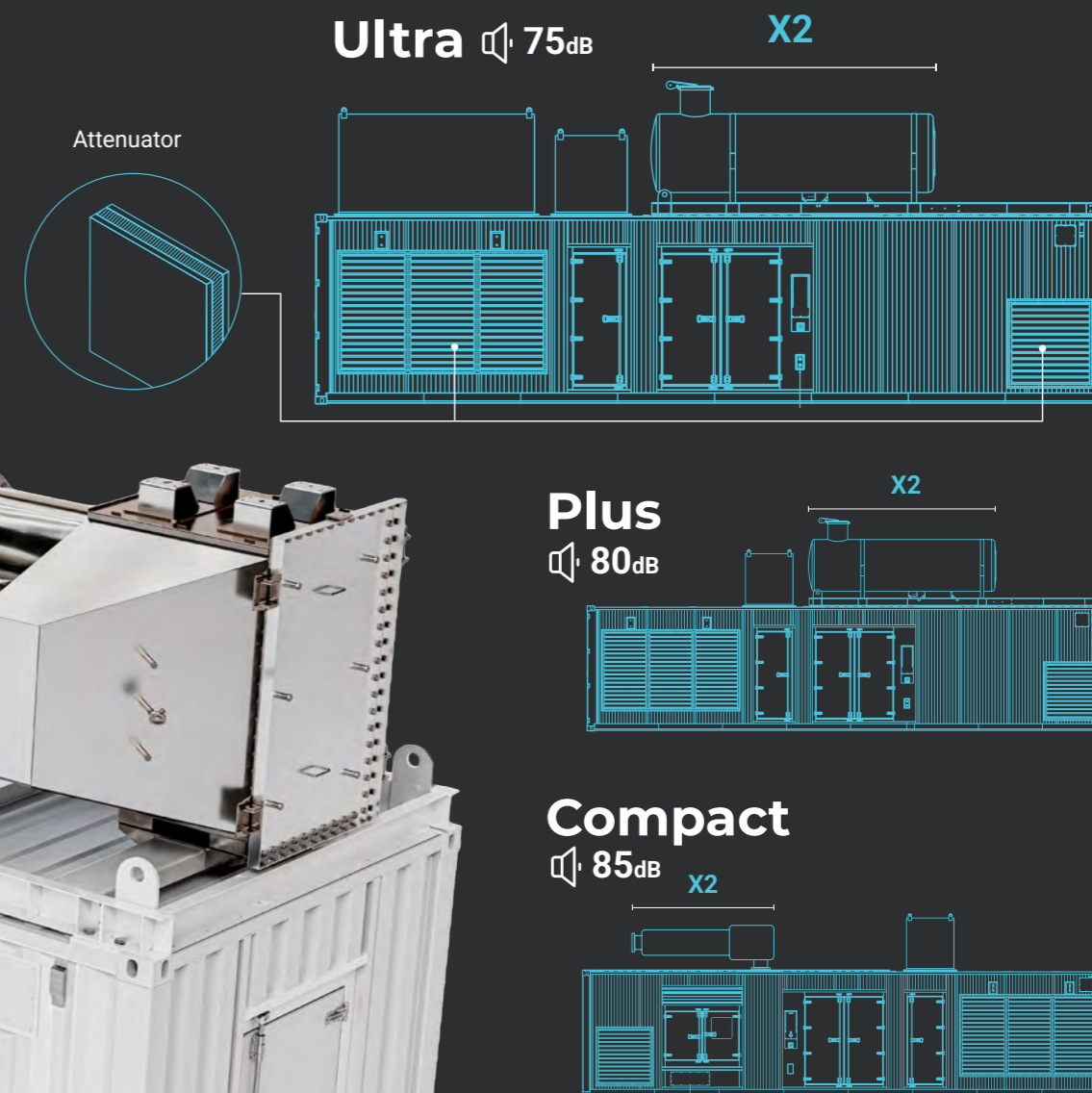
**HIMOINSA's in-house acoustic specialists** specialists develop unique, advanced solutions tailored to the needs of each project.



The **cooling-system** layout directs both intake and exhaust airflow to minimise aerodynamic noise and enhance acoustic efficiency. The adjustable extraction system allows airflow to be calibrated, significantly reducing sound levels.

## 3 ACOUSTIC CONFIGURATION LEVELS:

Multilayer treatment on walls, roof and floor, combined with high-attenuation silencers on intake and exhaust, defines three configurable sound levels (up to 50 °C)



Each unit is factory-calibrated through **acoustic testing**, verifying the selected sound configuration at nominal power and real load conditions, ensuring stable performance and a controlled acoustic environment.

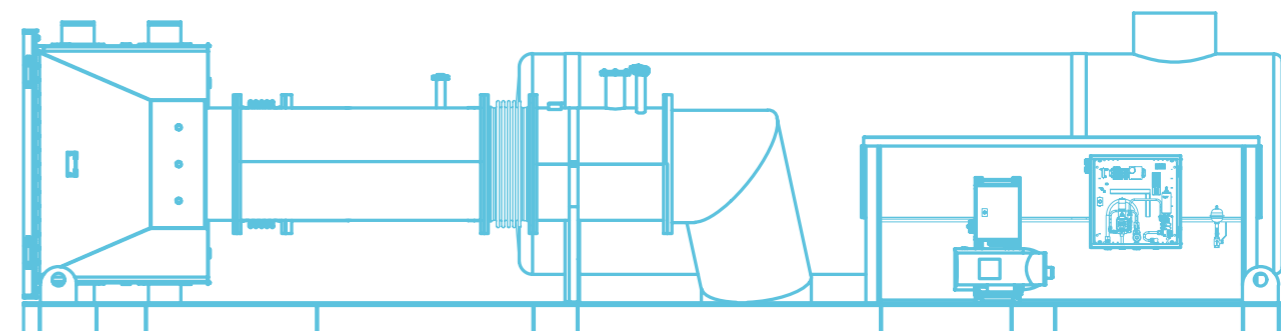
# Sustainability & Emissions / Exhaust Gas Aftertreatment:

## SCR System

The incorporation of an SCR system (Selective Catalytic Reduction) is configured and **available for projects requiring specialized exhaust-gas treatment**. This system injects a urea solution into the hot gas stream, triggering a chemical reaction that converts nitrogen oxides (NOx) into nitrogen and water vapor—both harmless to the environment.

The SCR system enables real-time monitoring of parameters such as temperature and pressure, maintaining **NOx emissions below 190 mg/Nm<sup>3</sup>**, positioning the containerised HGY Series as one of the most sustainable power solutions in Europe.

Combined with the possibility of **using 100% pure HVO**, the HGY Series Advanced Compact Version becomes a market reference: it achieves up to 37.9 kWm/L power density, resulting in lower environmental impact, greater resource efficiency and a significant reduction in lifecycle costs.



01

Real-time monitoring of parameters such as temperature, pressure and NOx concentration

02

Operation on HVO100 with NOx emissions kept below 190 mg/Nm<sup>3</sup>

03

Exceptional power density, reaching up to 37.9 kWm/L

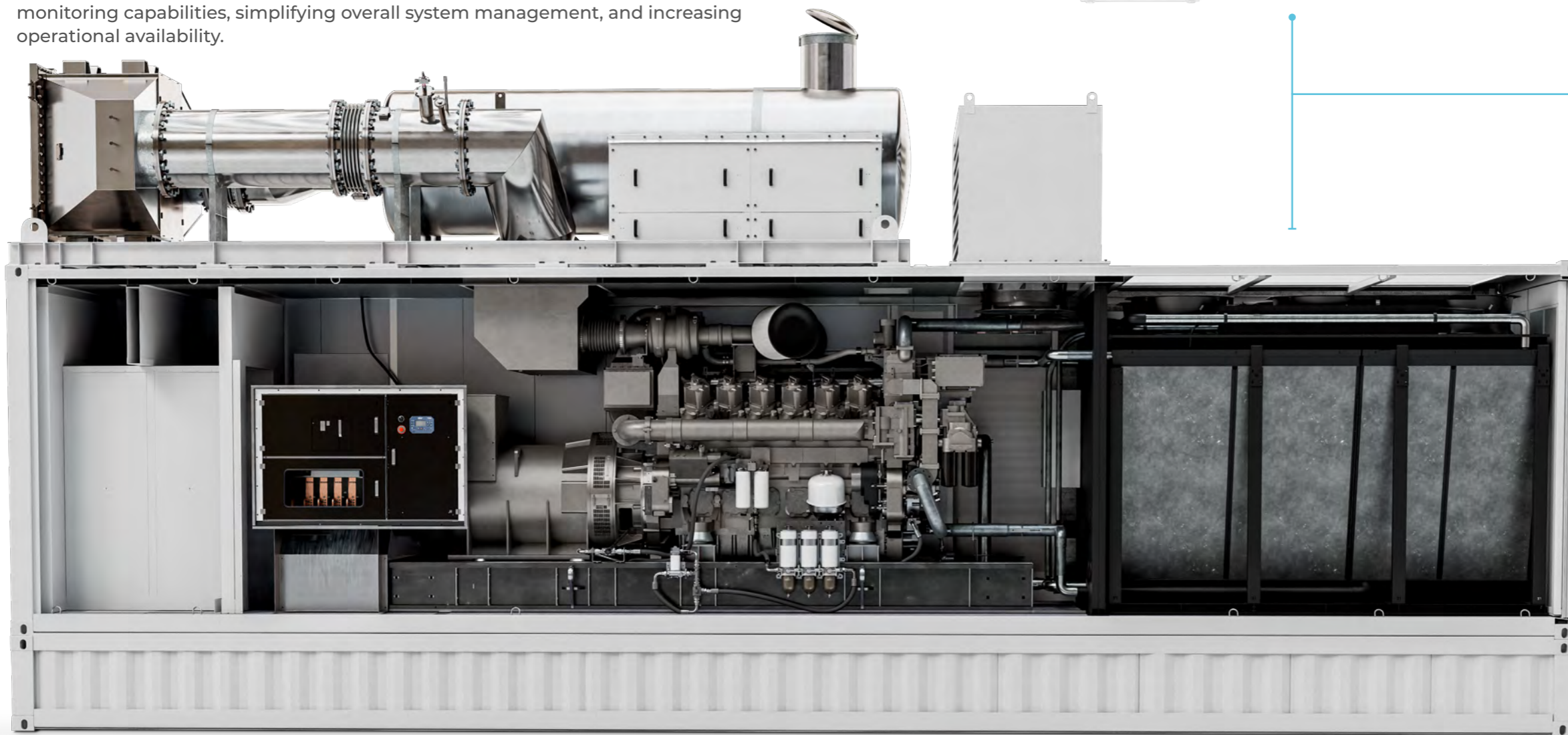


# Efficiency and environmental adaptability

## Performance in any condition

The HGY Series Advanced Compact Version is designed to deliver higher performance with the excellent electrical stability of Class G3 (ISO 8528-5), consistent engine starts and seamless integration with existing switchgear—greater reliability and shortening commissioning times.

The Engine Control Unit (ECU) includes intuitive diagnostic software and remote monitoring capabilities, simplifying overall system management, and increasing operational availability.

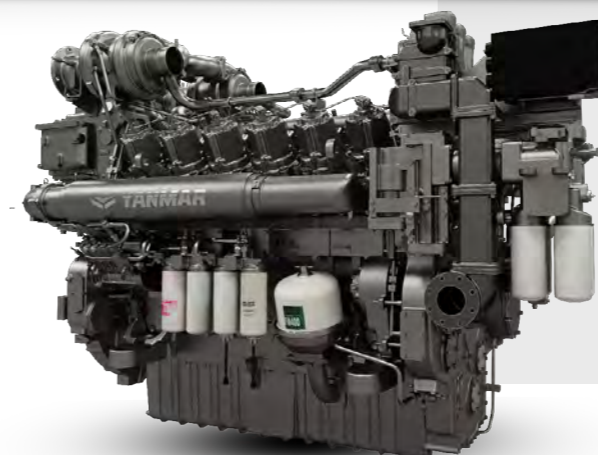


### V-shaped radiator

The V-shaped radiator maximises the heat exchange surface area in a smaller space.

## High performance in extreme temperatures

The remote cooling system is engineered in extreme environments such as hot climates, providing a high ATB value while self-regulating according to ambient temperature and load demand at every moment. This minimises auxiliary consumption and maximises the power available to the customer's loads.



The **Yanmar GY engine** is designed for durability and high performance. These engines integrate high-precision common-rail injection, an advanced piston-crown design and extensive fluid-dynamic optimisation, enhancing combustion quality and improving overall efficiency. The GY engine is best-in-class, a market benchmark for its low fuel consumption, directly contributing to OPEX reduction in any project.



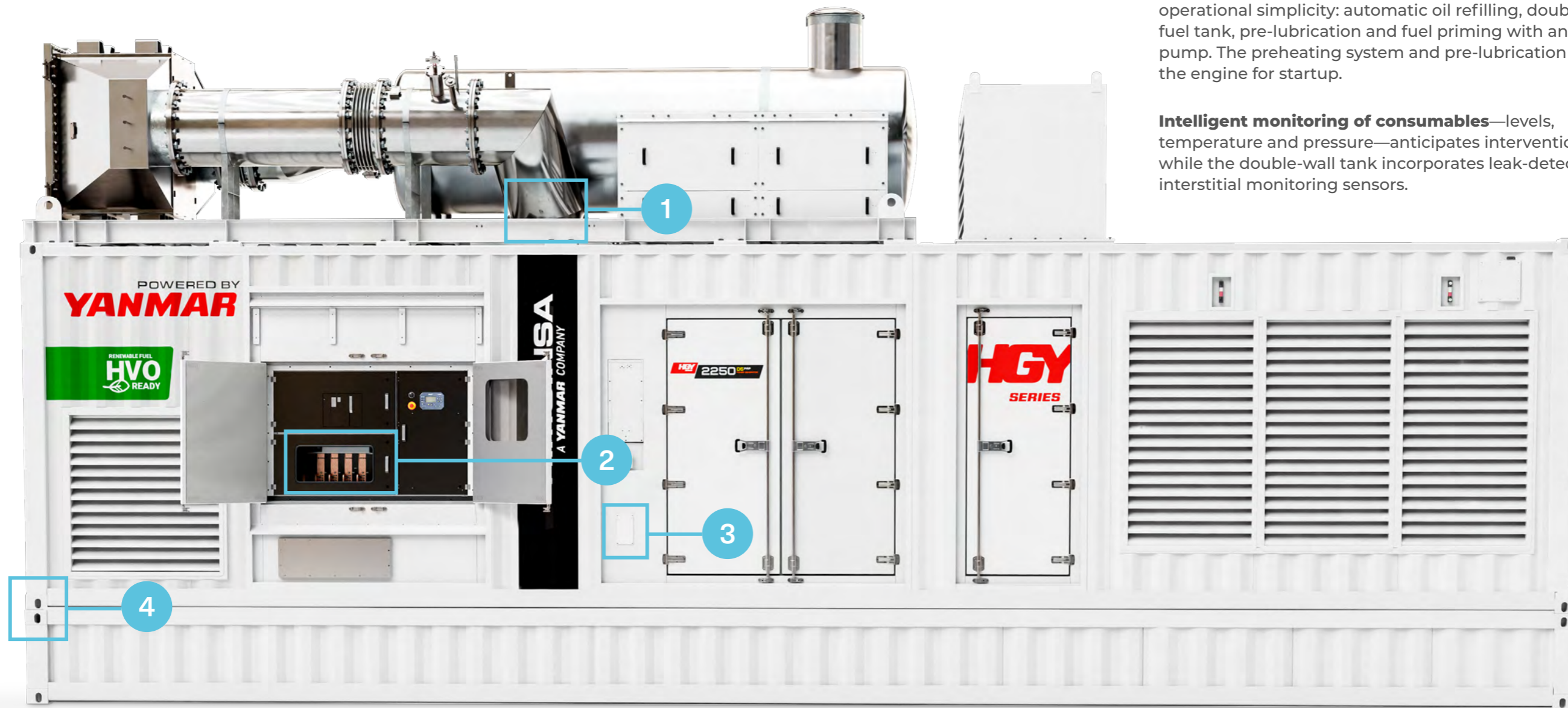
# Plug & Play Solutions

The Plug & Play system allows for **very simple installation** and greatly facilitates wiring and technical service tasks. 3-way valve system for fuel purging in a single movement, point-to-point tested and quick fuel connectors with fittings.

# Operational ease and availability

The auxiliary systems are designed for continuity and operational simplicity: automatic oil refilling, double-wall fuel tank, pre-lubrication and fuel priming with an electric pump. The preheating system and pre-lubrication prepare the engine for startup.

**Intelligent monitoring of consumables**—levels, temperature and pressure—anticipates interventions, while the double-wall tank incorporates leak-detection and interstitial monitoring sensors.



**1** **Direct connection to flange for gas exhaust**  
This connection facilitates easy installation and reduces OPEX. The system comes factory-centred on a self-supporting structure and only requires connection to the main flange.

**2** **External power connection**  
The external power connection is made possible by the design of an ergonomic copper busbar adapted to multiple connections.

**3** **Fuel connections**  
The fuel connections allow the engine to be linked to external tanks using a quick coupling system.

**4** **Standardised Isocorners coupling system**  
These connectors allow peripheral elements to be attached and facilitate their installation. The belly tank is one example of this.



**Control connectors**  
Quick connectors for easy installation, preventing connection and wiring faults.

To reinforce and guarantee availability, the architecture may include **N+1 pump redundancy, bypass valves and partial hot-maintenance capability**. The result is predictable and traceable operation, with condition-based records that facilitate maintenance planning without compromising system performance.

# Robustness

Integrating the entire system into a 40-foot ISO High Cube container delivers a **compact and robust solution**, with shorter electrical runs, reduced losses, and CSC Safety Approval for intermodal transport.

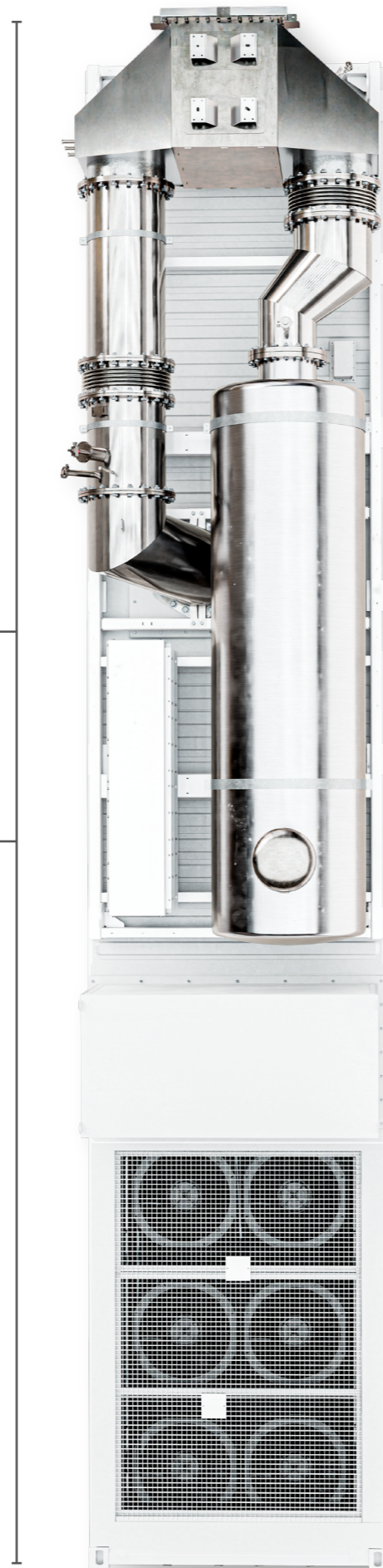
**40 Feet,** ISO High Cube container



**CSC Safety Approval** for intermodal transport



The HGY Series Advanced Compact Version: equipment that is as integrated as possible, with maximum noise reduction, providing more power and control in less space, with a faster entry into operation. Its structure ensures **continuity in critical environments** such as Data Centers or Healthcare.

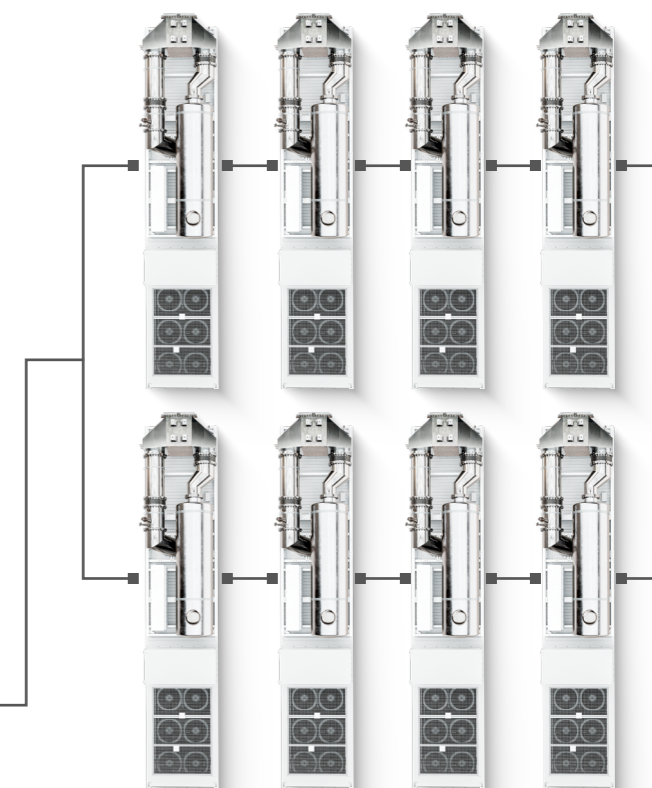


# Connectivity

The containerised HGY Series incorporates the HIMOINSA Central Unit, designed to provide increasingly **intelligent and connected generator-set management**.

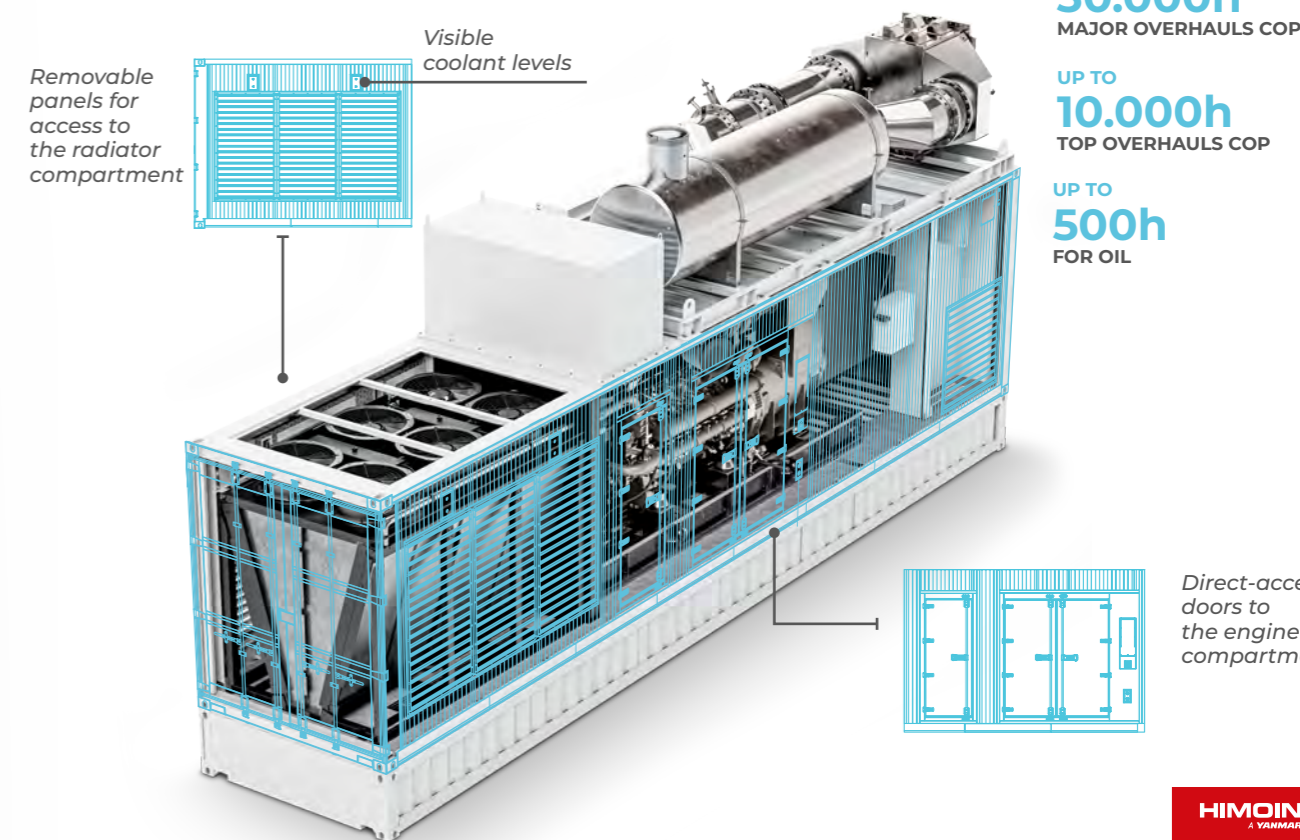
Full connectivity for every project. Local or remote operation, **synchronization between units** (parallel operation, N+1 redundancy), redundant communication via **API for DCIM/SCADA** and centralised alarm and maintenance management.

**Secure, redundant and advanced control system** for critical infrastructures.



# Easy maintenance

Maintenance is fast and safe thanks to direct access to filters, drain valves, and removable radiators. Extended intervals reduce costs and downtime, ensuring continuous and reliable operability in the most demanding environments.



# Sustainability

## Critical power, low emissions, sustainable future.

New energy-efficient, low-emission, and full-power solutions



In terms of sustainability, the HGY series has been meticulously configured to support the future adoption of alternative fuels such as HVO, gas, and hydrogen, a significant step toward

environmental responsibility that will assist end-users in their strategy to achieve net zero.

The HGY generators incorporate exhaust gas after-treatment systems to comply with European, German,

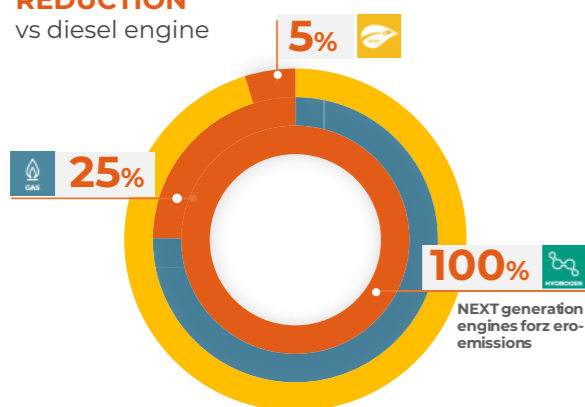
and UK regulations for medium combustion plants operating over 300 or 500 hours. The new series also includes a Tier 2 EPA-certified version for emergency applications in the United States, as well as compliance with NEA regulations in Singapore.

The HGY series offers generators

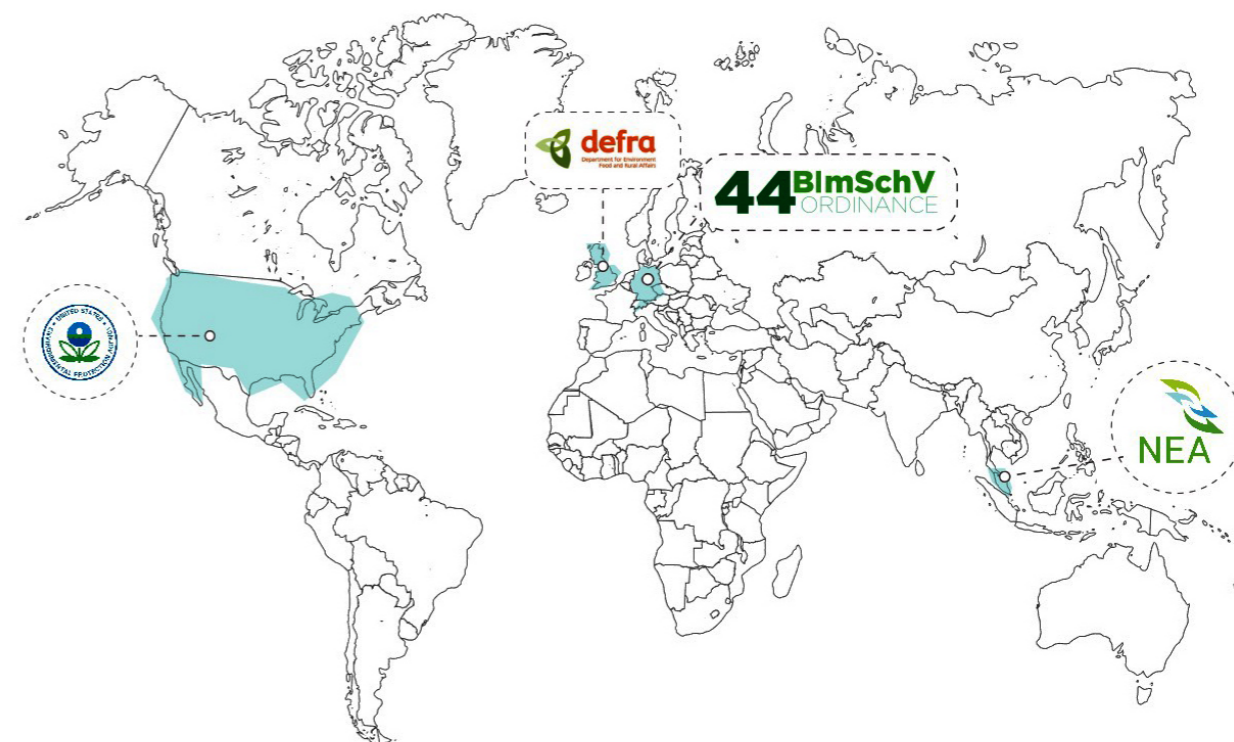
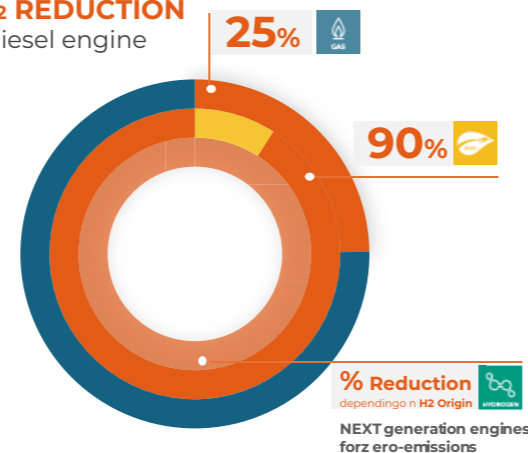
with various power ratings to suit all applications, whether for emergency (ESP), prime (PRP), data center power (DCP), continuous (COP), or limited-time power (LTP), ensuring the best solution for healthcare, data centers, capacity markets, and other mission-critical sectors.

The new HGY marks the beginning of a new chapter in the history of critical power generation.

### ENGINE EMISSIONS REDUCTION vs diesel engine



### TOTAL CARBON FOOTPRINT CO<sub>2</sub> REDUCTION vs diesel engine



Power range by fuel type

| Block               | kW | Diesel |      | Gas (in progress) |      | Hydro (in progress) |      |
|---------------------|----|--------|------|-------------------|------|---------------------|------|
|                     |    | 1250   | 2250 | -                 | -    | 800                 | 1200 |
| V12                 | kW | 1250   | 2250 | -                 | -    | 800                 | 1200 |
| V16                 |    | 2250   | 3000 | 1500              | 2000 | 1200                | 1600 |
| V20<br>*Future plan |    | 3000   | 3500 | 2000              | 2550 | 1600                | 1950 |

This new product family has been designed to ensure emissions reduction, and HimoinSA will provide the Environmental Product Declaration (EPD) to offer comprehensive information on the

environmental impact at each stage or life cycle of the product. This will help our customers make more sustainable purchasing decisions and implement low-carbon strategies.



# Mission Critical

## Critical Infrastructure Applications

The reliability of the HGY series gensets makes them the preferred choice for critical infrastructure where uninterrupted power supply is vital.

These gensets are engineered to perform in mission-critical environments where power failure is not an option, such as data centers, medical facilities, and strategic industrial plants.



### Comprehensive power systems for data centres

HIMOINSA's HGY Series offers comprehensive power systems for data centres, ensuring high reliability and consistent performance. These generators minimise failure risks and maximise uptime, making them ideal for mission-critical environments. With sustainability in focus, HGY generators support renewable fuels like HVO, reducing CO2 emissions. Future plans include gas and hydrogen solutions

to further cut the carbon footprint. The series ensures security with a response time of under eight seconds, and its acoustic engineering reduces noise pollution. Customised planning and support optimise power efficiency and ensure uninterrupted operations in data centres.



### Continuous power for industrial production

The HIMOINSA HGY series ensures continuous power supply for industrial production, maximizing performance and reducing unplanned downtime. These generators are designed to optimize power in industries like food processing, chemicals, and pharmaceuticals, providing continuous and emergency power solutions. With advanced management and control

systems, they offer redundant start-up and parallel operation options. Additionally, they minimize noise with advanced soundproofing technologies, meeting industry standards. Running on biofuels like HVO, they reduce operational costs and emissions, ensuring 24/7 global technical support for maximum efficiency.



### Secure power solutions for healthcare facilities and hospitals

The HGY Series provides secure and efficient power solutions for healthcare facilities, ensuring continuous power for critical services where lives depend on it. HGY generators offer rapid response, guaranteeing power restoration in less than eight seconds, preventing interruptions to essential medical equipment. HIMOINSA manufactures complete power systems,

automatic transfer switches, and accessories, ensuring seamless integration with local power grids. With parallel solutions, redundant start-up systems, and noise-reduction features, HGY ensures safety and efficiency. Designed for sustainability, these generators operate on biofuels like HVO, reducing emissions and supporting a responsible healthcare sector.

*In remote mining environments, where operational continuity is essential, the soundproof generators of the GHY series provide a reliable and efficient solution. Designed to operate under extreme conditions, these generators minimize noise, helping to comply with environmental regulations while ensuring a comfortable work environment. Their robustness and responsiveness guarantee the continuous operation of critical equipment, vital for production and safety in mining.*

*In the realm of data centers, GHY series generators are the preferred choice for mission-critical applications. Their robust and efficient design ensures a reliable power source, keeping IT systems and storage operations running without interruptions. Equipped with advanced technology, they allow for constant monitoring and efficient energy management, ensuring optimal performance and continuity in highly demanding environments.*



### 24/7 Continuous Supply - Reduced operating costs and low emissions

HGY generators provide specialized power solutions for the mining sector, ensuring continuous 24/7 supply in challenging environments such as high altitudes and extreme climates. With a response time of under eight seconds and synchronized fleets, they ensure uninterrupted performance. Equipped with European-Japanese technology, they excel in durability

and robustness, with anti-vibration and soundproof systems for harsh conditions. Their design allows easy transport and installation in difficult terrains. The Yanmar GY175L engine optimizes fuel consumption, reducing operating costs. HIMOINSA offers remote monitoring and maintenance to maximize efficiency and minimize downtime.

50 Hz

HGY SERIES

MODELS | 50 Hz. DIESEL

50 Hz

HGY SERIES

MODELS | 50 Hz. DIESEL

ESP

| Generator        | Engine        | kWe  | kVA  | kWe  | kVA  | Emissions                   |
|------------------|---------------|------|------|------|------|-----------------------------|
| HGY-2100 D5 ESP  | 12GY175L.EE4F | 1637 | 2046 | 1658 | 2072 | EPA Tier2 Equivalent        |
|                  | 12GY175L.EF4F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 12GY175L.EN4F |      |      |      |      | NEA                         |
| HGY-2350 D5 ESP  | 12GY175L.EN4F | 1840 | 2299 | 1861 | 2326 | EPA Tier2 Equivalent        |
|                  | 12GY175L.EF5F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 12GY175L.EN5F |      |      |      |      | NEA                         |
| HGY-2600 D5 ESP  | 12GY175L.EE6F | 2057 | 2571 | 2078 | 2598 | EPA Tier2 Equivalent        |
|                  | 12GY175L.EF6F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 12GY175L.EN6F |      |      |      |      | NEA                         |
| HGY- 2750 D5 ESP | 16GY175L.EE5F | 2200 | 2750 | TBC  | TBC  | EPA Tier2 Equivalent        |
|                  | 16GY175L.EF5F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 16GY175L.EN5F |      |      |      |      | NEA                         |
| HGY- 3000 D5 ESP | 16GY175L.EL6F | 2400 | 3000 | TBC  | TBC  | EPA Tier2 Equivalent        |
|                  | 16GY175L.EF6F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 16GY175L.EN6F |      |      |      |      | NEA                         |
| HGY- 3250 D5 ESP | 16GY175L.EE7F | 2600 | 3250 | TBC  | TBC  | EPA Tier2 Equivalent        |
|                  | 16GY175L.EF7F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 16GY175L.EN7F |      |      |      |      | NEA                         |

PRP

|                  |                |      |      |      |      |                             |
|------------------|----------------|------|------|------|------|-----------------------------|
| HGY-1500 D5 PRP  | 12GY175L.PF2F  | 1230 | 1538 | 1251 | 1564 | Fuel Consumptions Optimized |
|                  | 12GY175L.PE3F  |      |      |      |      | EPA Tier2 Equivalent        |
|                  | 12GY175L.PF3F  |      |      |      |      | Fuel Consumptions Optimized |
| HGY-1750 D5 PRP  | 12GY175L.PL3F  | 1430 | 1788 | 1452 | 1815 | Low NOx                     |
|                  | 12GY175L.PN3F  |      |      |      |      | NEA                         |
|                  | 12GY175L.PE4F  |      |      |      |      | EPA Tier2 Equivalent        |
| HGY-2100 D5 PRP  | 12GY175L.PF4F  | 1640 | 2050 | 1662 | 2077 | Fuel Consumptions Optimized |
|                  | 12GY175L.PN4F  |      |      |      |      | NEA                         |
|                  | 12GY175L.PE5F  |      |      |      |      | EPA Tier2 Equivalent        |
| HGY-2350 D5 PRP  | 12GY175L.PF5F  | 1847 | 2309 | 1869 | 2336 | Fuel Consumptions Optimized |
|                  | 12GY175L.PN5F  |      |      |      |      | NEA                         |
|                  | 16GY175L.PF3F  |      |      |      |      | 2000                        |
| HGY- 2700 D5 PRP | 16GY175L.PF4F  | 2136 | 2670 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 2750 D5 PRP | 16GY175L.PE5F  | 2200 | 2750 | TBC  | TBC  | EPA Tier2 Equivalent        |
|                  | 16GY175L.PF5F  |      |      |      |      | Fuel Consumptions Optimized |
|                  | 16GY175L.PL5F  |      |      |      |      | Low NOx                     |
|                  | 16GY175L.PN5F  |      |      |      |      | NEA                         |
| HGY- 3000 D5 PRP | 16GY175L.PE6F  | 2400 | 3000 | TBC  | TBC  | EPA Tier2 Equivalent        |
|                  | 16GY175L.PF6F  |      |      |      |      | Fuel Consumptions Optimized |
|                  | 16GY175L.PFL6F |      |      |      |      | Low NOx                     |
|                  | 16GY175L.PN6F  |      |      |      |      | NEA                         |

DCP

| Generator        | Engine        | kWe  | kVA  | kWe  | kVA  | Emissions                   |
|------------------|---------------|------|------|------|------|-----------------------------|
| HGY-1500 D5 DCP  | 12GY175L.DF2F | 1230 | 1538 | 1251 | 1564 | Fuel Consumptions Optimized |
| HGY-1750 D5 DCP  | 12GY175L.DF3F | 1430 | 1788 | 1452 | 1815 | Fuel Consumptions Optimized |
|                  | 12GY175L.DL3F |      |      |      |      | Low NOx                     |
| HGY-2100 D5 DCP  | 12GY175L.DF4F | 1640 | 2050 | 1662 | 2077 | Fuel Consumptions Optimized |
| HGY-2350 D5 DCP  | 12GY175L.DF5F | 1847 | 2309 | 1869 | 2336 | Fuel Consumptions Optimized |
| HGY- 2500 D5 DCP | 16GY175L.DF3F | 2000 | 2500 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 2700 D5 DCP | 16GY175L.DF4F | 2136 | 2670 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 2750 D5 DCP | 16GY175L.DF5F | 2200 | 2750 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 3000 D5 DCP | 16GY175L.DF6F | 2400 | 3000 | TBC  | TBC  | Fuel Consumptions Optimized |

LTP

|                  |               |      |      |      |      |                             |
|------------------|---------------|------|------|------|------|-----------------------------|
| HGY-1500 D5 LTP  | 12GY175L.LF2F | 1226 | 1533 | 1247 | 1559 | Fuel Consumptions Optimized |
| HGY-1750 D5 LTP  | 12GY175L.LE3F | 1427 | 1784 | 1449 | 1811 | EPA Tier2 Equivalent        |
|                  | 12GY175L.LF3F |      |      |      |      | Fuel Consumptions Optimized |
|                  | 12GY175L.LL3F |      |      |      |      | Low NOx                     |
| HGY-2100 D5 LTP  | 12GY175L.LN3F | 1637 | 2046 | 1658 | 2072 | NEA                         |
|                  | 12GY175L.LE4F |      |      |      |      | EPA Tier2 Equivalent        |
|                  | 12GY175L.LF4F |      |      |      |      | Fuel Consumptions Optimized |
| HGY-2350 D5 LTP  | 12GY175L.LN4F | 1843 | 2304 | 1865 | 2331 | NEA                         |
|                  | 12GY175L.LE5F |      |      |      |      | EPA Tier2 Equivalent        |
|                  | 12GY175L.LF5F |      |      |      |      | Fuel Consumptions Optimized |
| HGY- 2500 D5 LTP | 12GY175L.LN5F |      |      |      |      | NEA                         |
| HGY- 2700 D5 LTP | 16GY175L.LF3F | 2000 | 2500 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 2750 D5 LTP | 16GY175L.LF4F | 2136 | 2670 | TBC  | TBC  | Fuel Consumptions Optimized |
|                  | 16GY175L.LE5F |      |      |      |      | EPA Tier2 Equivalent        |
|                  | 16GY175L.LF5F |      |      |      |      | Fuel Consumptions Optimized |
| HGY- 3000 D5 LTP | 16GY175L.LL5F | 2200 | 2750 | TBC  | TBC  | Low NOx                     |
|                  | 16GY175L.LN5F |      |      |      |      | NEA                         |
|                  | 16GY175L.LE6F |      |      |      |      | EPA Tier2 Equivalent        |
| HGY- 3000 D5 LTP | 16GY175L.LF6F | 2400 | 3000 | TBC  | TBC  | Fuel Consumptions Optimized |
|                  | 16GY175L.LL6F |      |      |      |      | Low NOx                     |
|                  | 16GY175L.LN6F |      |      |      |      | NEA                         |

COP

|                  |               |      |      |      |      |                             |
|------------------|---------------|------|------|------|------|-----------------------------|
| HGY-1250 D5 COP  | 12GY175L.CF1F | 1000 | 1250 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY-1500 D5 COP  | 12GY175L.CF2F | 1200 | 1500 | TBC  | TBC  | Fuel Consumptions Optimized |
|                  | 12GY175L.CE3F |      |      |      |      | EPA Tier2 Equivalent        |
|                  | 12GY175L.CN3F |      |      |      |      | NEA                         |
| HGY-1750 D5 COP  | 12GY175L.CL3F | 1430 | 1788 | 1452 | 1815 | Low NOx                     |
|                  | 12GY175L.CF3F |      |      |      |      | Fuel Consumptions Optimized |
| HGY- 2000 D5 COP | 16GY175L.CF1F | 1600 | 2000 | TBC  | TBC  | Fuel Consumptions Optimized |
| HGY- 2250 D5 COP | 16GY175L.CF2F | 1800 | 2250 | TBC  | TBC  | Fuel Consumptions Optimized |

60 Hz



MODELOS | 60 Hz. DIESEL

60 Hz



MODELOS | 60 Hz. DIESEL

ESP

| Generator        | Motor         | kWe  | kWe  | Emissions                   |
|------------------|---------------|------|------|-----------------------------|
| HGY-1650 D6 ESP  | 12GY175L.EE4S | 1592 | 1651 | EPA Tier2 Equivalent        |
|                  | 12GY175L.EC4S |      |      | EPA Tier2 Certified         |
|                  | 12GY175L.EF4S |      |      | Fuel Consumptions Optimized |
| HGY-1850 D6 ESP  | 12GY175L.EE5S | 1800 | 1859 | EPA Tier2 Equivalent        |
|                  | 12GY175L.EC5S |      |      | EPA Tier2 Certified         |
|                  | 12GY175L.EF5S |      |      | Fuel Consumptions Optimized |
| HGY-2050 D6 ESP  | 12GY175L.EE6S | 2014 | 2074 | Fuel Consumptions Optimized |
|                  | 12GY175L.EC6S |      |      | Fuel Consumptions Optimized |
|                  | 12GY175L.EF6S |      |      | EPA Tier2 Equivalent        |
| HGY-2200 D6 ESP  | 12GY175L.EF7S | 2210 | TBC  | EPA Tier2 Certified         |
| HGY- 2400 D6 ESP | 16GY175L.EF6S | 2400 | TBC  | Fuel Consumptions Optimized |
|                  | 16GY175L.EE6S |      |      | EPA Tier2 Equivalent        |
|                  | 16GY175L.EC6S |      |      | EPA Tier2 Certified         |
| HGY- 2600 D6 ESP | 16GY175L.EF7S | 2600 | TBC  | Fuel Consumptions Optimized |
|                  | 16GY175L.EE7S |      |      | EPA Tier2 Equivalent        |
|                  | 16GY175L.EC7S |      |      | EPA Tier2 Certified         |
| HGY- 2800 D6 ESP | 16GY175L.EF8S | 2800 | TBC  | Fuel Consumptions Optimized |

PRP

|                  |               |      |      |                             |
|------------------|---------------|------|------|-----------------------------|
| HGY-1250 D6 PRP  | 12GY175L.PF2S | 1191 | 1250 | Fuel Consumptions Optimized |
| HGY-1550 D6 PRP  | 12GY175L.PF3S | 1387 | 1446 | Fuel Consumptions Optimized |
| HGY-1650 D6 PRP  | 12GY175L.PF4S | 1606 | 1662 | Fuel Consumptions Optimized |
| HGY-1850 D6 PRP  | 12GY175L.PF5S | 1806 | 1865 | Fuel Consumptions Optimized |
| HGY-2050 D6 PRP  | 12GY175L.PF6S | 2017 | 2077 | Fuel Consumptions Optimized |
| HGY- 2200 D6 PRP | 16GY175L.PF5S | 2200 | TBC  | Fuel Consumptions Optimized |
| HGY- 2400 D6 PRP | 16GY175L.PF6S | 2400 | TBC  | Fuel Consumptions Optimized |
| HGY- 2600 D6 PRP | 16GY175L.PF7S | 2600 | TBC  | Fuel Consumptions Optimized |

DCP

|                 |               |      |      |                             |
|-----------------|---------------|------|------|-----------------------------|
| HGY-1250 D6 DCP | 12GY175L.DF2S | 1191 | 1250 | Fuel Consumptions Optimized |
|                 | 12GY175L.DC3S |      |      | EPA Tier2 Certified         |
| HGY-1550 D6 DCP | 12GY175L.DE3S | 1387 | 1446 | EPA Tier2 Equivalent        |
|                 | 12GY175L.DF3S |      |      | Fuel Consumptions Optimized |
| HGY-1650 D6 DCP | 12GY175L.DC4S | 1601 | 1662 | EPA Tier2 Certified         |
|                 | 12GY175L.DF4S |      |      | Fuel Consumptions Optimized |
|                 | 12GY175L.DE4S |      |      | EPA Tier2 Equivalent        |
| HGY-1850 D6 DCP | 12GY175L.DC5S | 1806 | 1865 | EPA Tier2 Certified         |
|                 | 12GY175L.DE5S |      |      | EPA Tier2 Equivalent        |
|                 | 12GY175L.DF5S |      |      | Fuel Consumptions Optimized |
| HGY-2050 D6 DCP | 12GY175L.DC6S | 2017 | 2077 | EPA Tier2 Certified         |
|                 | 12GY175L.DE6S |      |      | EPA Tier2 Equivalent        |
|                 | 12GY175L.DF6S |      |      | Fuel Consumptions Optimized |

DCP

| Generator        | Motor         | kWe  | kWe | Emissions                   |
|------------------|---------------|------|-----|-----------------------------|
| HGY- 2200 D6 DCP | 16GY175L.DC5S | 2200 | TBC | EPA Tier2 Certified         |
|                  | 16GY175L.DE5S |      |     | EPA Tier2 Equivalent        |
|                  | 16GY175L.DF5S |      |     | Fuel Consumptions Optimized |
| HGY- 2400 D6 DCP | 16GY175L.DC6S | 2400 | TBC | EPA Tier2 Certified         |
|                  | 16GY175L.DE6S |      |     | EPA Tier2 Equivalent        |
|                  | 16GY175L.DF6S |      |     | Fuel Consumptions Optimized |
| HGY- 2600 D6 DCP | 16GY175L.DC7S | 2600 | TBC | EPA Tier2 Certified         |
|                  | 16GY175L.DE7S |      |     | EPA Tier2 Equivalent        |
|                  | 16GY175L.DF7S |      |     | Fuel Consumptions Optimized |

LTP

|                    |               |      |      |                             |
|--------------------|---------------|------|------|-----------------------------|
| HGY-1250 D6 LTP    | 12GY175L.LF2S | 1190 | 1249 | Fuel Consumptions Optimized |
| HGY-1550 D6 LTP    | 12GY175L.LC3S | 1386 | 1444 | EPA Tier2 Certified         |
|                    | 12GY175L.LE3S |      |      | EPA Tier2 Equivalent        |
|                    | 12GY175L.LF3S |      |      | Fuel Consumptions Optimized |
| HGY-1650 D6 LTP    | 12GY175L.LC4S | 1604 | 1663 | EPA Tier2 Certified         |
|                    | 12GY175L.LE4S |      |      | EPA Tier2 Equivalent        |
|                    | 12GY175L.LF4S |      |      | Fuel Consumptions Optimized |
| HGY-1850 D6 LTP    | 12GY175L.LC5S | 1800 | 1859 | EPA Tier2 Certified         |
|                    | 12GY175L.LE5S |      |      | EPA Tier2 Equivalent        |
|                    | 12GY175L.LF5S |      |      | Fuel Consumptions Optimized |
| HGY-2050 D6 LTP    | 12GY175L.LC6S | 2019 | 2078 | EPA Tier2 Certified         |
|                    | 12GY175L.LE6S |      |      | EPA Tier2 Equivalent        |
|                    | 12GY175L.LF6S |      |      | Fuel Consumptions Optimized |
| HGY- 2200 D6 LTP C | 16GY175L.LC5S | 2200 | TBC  | EPA Tier2 Certified         |
|                    | 16GY175L.LE5S |      |      | EPA Tier2 Equivalent        |
|                    | 16GY175L.LF5S |      |      | Fuel consumption optimized  |
| HGY- 2400 D6 LTP C | 16GY175L.LC6S | 2400 | TBC  | EPA Tier2 Certified         |
|                    | 16GY175L.LE6S |      |      | EPA Tier2 Equivalent        |
|                    | 16GY175L.LF6S |      |      | Fuel consumption optimized  |
| HGY- 2600 D6 LTP C | 16GY175L.LC7S | 2600 | TBC  | EPA Tier2 Certified         |
|                    | 16GY175L.LE7S |      |      | EPA Tier2 Equivalent        |
|                    | 16GY175L.LF7S |      |      | Fuel consumption optimized  |

COP

|                  |               |      |      |                             |
|------------------|---------------|------|------|-----------------------------|
| HGY-1150 D6 COP  | 12GY175L.CF1S | 1130 | TBC  | Fuel Consumptions Optimized |
| HGY- 1350 D6 COP | 12GY175L.CF2S | 1345 | TBC  | Fuel Consumptions Optimized |
| HGY- 1550 D6 COP | 12GY175L.CF3S | 1550 | TBC  | Fuel Consumptions Optimized |
| HGY-1650 D6 COP  | 12GY175L.CF4S | 1606 | 1662 | Fuel Consumptions Optimized |
| HGY- 1800 D6 COP | 16GY175L.CF2S | 1800 | TBC  | Fuel Consumptions Optimized |
| HGY- 2000 D6 COP | 16GY175L.CF3S | 2000 | TBC  | Fuel Consumptions Optimized |
| HGY- 2150 D6 COP | 16GY175L.CF4S | 2136 | TBC  | Fuel Consumptions Optimized |
| HGY- 2200 D6 COP | 16GY175L.CF5S | 2200 | TBC  | Fuel Consumptions Optimized |



# POWER & RESPONSIBILITY



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