

NORITZ Tankless Water Heater, Model GQH-27H8FFA

27kW Gas Combination Boiler

Rated heat input
27 kW

Minimum heat output
8.1 kW

Rated heat output
24 kW

Hot water flow (ΔT = 25°C)
12 L/min

This 27kW standard gas wall-hung combi boiler is built for residential use, offering a reliable and cost-effective heating solution for everyday use at homes. Compared with conventional residential boilers, it provides a higher and more stable domestic hot water supply to better support daily demand.

With a proven and stable burner design and broad system compatibility, it works well with both floor heating and radiator systems. At the same time, it also delivers a comfortable and consistent hot water supply for larger-volume shower use.

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Technical Specifications

Model	GQH-27H8FFA
Rated heat input	27kW
Rated heat output	24kW
Minimum heat output	8.1kW
Minimum DHW output	9.5kW
Thermal Efficiency	≥89%
Hot water flow (ΔT=25°C)	12L/min
Dimensions (H × W × D)	740 × 440 × 310 mm
Weight	32.5kg
Water-flow servo motors	0
Staged combustion	No
Circulation pump	1
0.5oC temperature step control	No
Heating temperature range	30-80°C
Hot water temperature range	35-60°C
Noise level (sound power /sound pressure)	≤53dB / ≤39dB
Wi-Fi	No

Component Overview

Combustion Fan A fixed-speed combustion fan is used for stable operation and broad compatibility. It starts reliably and is suitable for higher-load conditions.	Electronic Controller The controller enables precise temperature regulation and efficient system performance. It incorporates multiple safety protections, user-friendly controls, and integrated fault diagnostics to make troubleshooting and maintenance easier.
Sealed Combustion Chamber The sealed combustion chamber is designed with insulation and sound-reducing materials to help protect internal components and limit operating noise. The H-series wall-hung boilers incorporate further noise-reduction measures, with sound levels as low as 42 dBA ¹ .	Noritz Water Pump Noritz water pumps have smart self-protection features integrated that help reduce the risk of faults over time. They are designed for reduced operation noise to improve comfort in daily use.
Five-Stage Heat Exchanger Design A five-pass heat exchanger helps maintain a compact overall structure while improving heat transfer efficiency. With enlarged main tubes and an extended heat exchange path, it allows more heat to be absorbed and utilized effectively.	Italian SIT Proportional Valve An Italian SIT proportional gas valve is used to regulate gas flow and pressure. Its precise and responsive control helps the burner operate more smoothly and waste less gas for improved efficiency.
Expansion Tank The expansion tank absorbs pressure fluctuations in the water circuit as temperatures rise and fall. By stabilizing pressure, it protects key components and maintain consistent operation over time.	

Features

- 30-80°C wide heating range, suitable for different rooms and seasonal needs
- Compatible with Japanese-style dry underfloor heating systems for faster warm-up
- Stable hot water temperature, supporting multiple outlets at the same time
- Designed with layered noise control to help keep operation quiet
- Active freeze protection for reliable heating during colder weather

Installation Dimensions

Advantages

 30-80°C temperature range	 Floor heating ready in 30 minutes	 Supports several taps at once	 Consistent hot water supply
 Wide heating range	 Compatible with Japanese-style underfloor heating	 Stable hot water temperature	 Lower noise operation
 Dual anti-freeze protection for winter operation	 Large touch display		

- The "Floor heating ready in 30 minutes" claim is based on Noritz lab testing. Results may vary depending on real use.
- Test data is from Zhejiang Fangyuan Testing and Certification Group, report No. 2411305892.

Applications

The Noritz H Series wall-hung gas combination boilers provide an integrated solution for both space heating and hot water for domestic use. They are suitable for multiple areas of the home, including the living room, kitchen, bedroom, and bathroom. Compatible with Japanese-style dry floor heating systems, they offer faster heating for improved comfort. Compared to conventional wall-hung boilers, the H Series offers a more stable temperature range and supports a more consistent whole-home hot water experience.



NORITZ: From Japan, Serving Customers Worldwide

Headquartered in Japan, Noritz has had over half a century of expertise in the research and development of heating technologies and hot water systems. We provide competitive HVAC solutions for distributors and engineering contractors, supported by an established manufacturing system and flexible OEM/ODM customization services. Through this, Noritz supports partners to expand more effectively in the global heating market.

Inquiry Form

Energy-saving heating equipment continues to be developed to help reduce environmental impact risks, with the goal of supporting a comfortable warm-water lifestyle for users worldwide.



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20kW Staged-Combustion Gas Combination Boiler (Wi-Fi)	27kW Staged-Combustion Gas Combination Boiler (Wi-Fi)	30kW Gas Combination Boiler, Dual Servo Control (Wi-Fi)	30kW Dual-Servo Instant Hot Water Smart Gas Boiler (Wi-Fi)
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