

NORITZ Tankless Water Heater, Model GQH-27H8FFAI

27kW Gas Combination Boiler, Built-in Wi-Fi

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

With a built-in Wi-Fi control, the 27kW gas combination boiler is developed by Noritz as a smart heating solution for residential homes. It brings a practical balance between heating performance and overall cost, making it well-suited for everyday household use.

Compared to conventional water boilers, it delivers stronger heating capacity and higher domestic hot water supply. The Wi-Fi smart control integrated with the boiler also offers greater convenience in operation, which has contributed to its popularity as a smart wall-hung heating solution in the residential market.

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Technical Specifications

Model	GQH-27H8FFAI
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	Yes

Component Overview



Combustion Fan
Designed for broad compatibility, the fixed-speed fan delivers reliable start-up performance and stable operation under higher load conditions.



Electronic Controller
The controller ensures accurate temperature control and efficient operation. It also integrates multiple safety protections, user-friendly operation, and built-in fault diagnostics to support easier maintenance.



Sealed Combustion Chamber
Insulating and sound-dampening materials are applied to the unit's side panels to reduce friction and vibration, helping protect internal components and limit operating noise.



Noritz Water Pump
The water pump operates at low noise levels to improve daily comfort and features smart self-protection functions that help reduce the risk of faults over time.



Five-Stage Heat Exchanger Design
A compact structure is combined with enlarged main tubes and an extended heat exchange path, allowing heat to be absorbed more fully and efficiently.



Italian SIT Proportional Valve
The Italian SIT proportional gas valve precisely regulates gas flow and pressure. With fast response and high control accuracy, it helps optimize combustion efficiency and reduce energy consumption.



Expansion Tank
The expansion vessel balances pressure fluctuations in the water system during rise and fall of the temperature and helps protect components to support stable long-term operation.

Features

- 30-80°C wide heating range, suitable for a variety of residential heating scenarios
- Compatible with Japanese-style dry-installed underfloor heating for better heating system
- Stable hot water temperature, supporting multiple outlets without interference
- Built-in Wi-Fi smart control for remote monitoring and easy adjustment of system operation
- Active freeze protection for reliable heating during cold weather conditions

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



Built-in Wi-Fi smart control



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 boilers offer an integrated smart solution for space heating and domestic hot water. They are designed to meet the needs of multiple living areas, including kitchens, living rooms, bedrooms, and bathrooms. Compatible with Japanese-style dry-installed underfloor heating systems, they deliver fast heating performance for improved comfort. At the same time, the H Series addresses common limitations of traditional wall-hung boilers by enhancing overall temperature stability and supporting a more consistent whole-home hot water experience.



NORITZ: From Japan, Serving Customers Worldwide

Headquartered in Japan, Noritz has focused on the research and development of heating systems and hot water technologies for more than half a century. Supported by proven HVAC manufacturing capabilities, we provide integrated solutions for smart underfloor heating and domestic hot water supply to distributors and engineering project partners worldwide.

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.



Other Gas Combi Boilers

Reliable Hot Water & Space Heating

27kW Staged-Combustion Gas Combination Boiler (Wi-Fi)

40kW Staged-Combustion Gas Combination Boiler (Wi-Fi)

27kW Gas Combination Boiler, Dual Servo Control (Wi-Fi)

27kW Dual-Servo Instant Hot Water Smart Gas Boiler (Wi-Fi)