

NORITZ Tankless Water Heater, Model GQH-30H3FFAQI

30kW Gas Combination Boiler, Dual Servo Control, Instant Hot Water

Rated heat input
30 kW

Minimum start-up flow
2.5 L/min

Rated heat output
27.5 kW

Hot water flow ($\Delta T = 25^{\circ}\text{C}$)
16 L/min

For larger homes with higher hot water demand, Noritz offers these 30kW gas combination boilers as a higher-output heating option. They are made for high-flow use, and the instant hot water circulation function helps cut the delay caused by long pipe runs, so hot water reaches the tap faster and everyday use feels more comfortable.

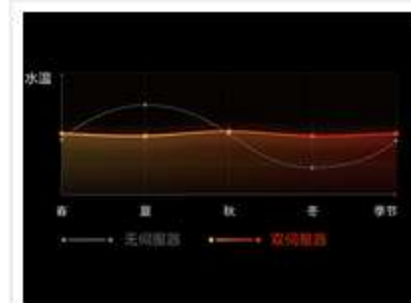
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Product Highlights



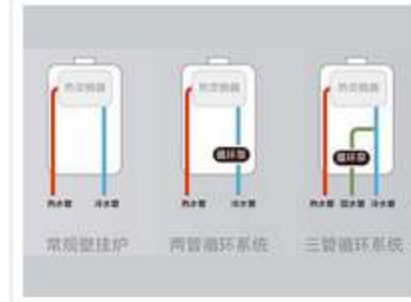
PRO-Control dual hot-and-cold servo control keeps hot water temperature very stable, up to $\pm 0.2^{\circ}\text{C}$, helping solve common issues seen in traditional wall-hung boilers



More comfortable showers year-round: less risk of "too hot" water in summer, and warmer water in winter



Fast response: quick calculations and real-time inlet flow adjustment help stabilize temperature sooner



Upgraded three-pipe circulation system: in addition to the inlet and outlet lines, a dedicated return line creates a separate circulation loop for smoother hot water delivery



Multi-point use without disruption: multiple kitchen and bathroom taps can be used at the same time with less temperature fluctuation



Water and gas work together: a stepper motor and gas proportional valve adjust output continuously to keep temperature under control



Smart mixing: if water supply is interrupted and then returns, the gas boiler prevents a sudden rush of overly hot leftover water, helping reduce scalding risk



Built-in high-quality circulation pump: supports circulation loops up to 120 m and is designed to handle high temperature and corrosion for more stable operation

- The comparison images are based on Noritz internal testing and are for reference only. Actual performance may vary.
- Data is taken from a test report issued by Zhejiang Fangyuan Testing and Certification Group (Report No.: 2411305892).
- Some data is sourced from the Noritz laboratory

Technical Specifications

Model	GQH-30H3FFAQI
Rated heat input	30 kW
Rated heat output	27.5 kW
Minimum heating output	9.8 kW
Minimum DHW output	1 kW
Minimum start-up flow	2.5 L/min
Thermal efficiency	$\geq 89\%$
Hot water flow ($\Delta T = 25^{\circ}\text{C}$)	16 L/min
Dimensions (H x W x D)	740 x 440 x 310 mm
Weight	34 kg
Water-flow servo motors	2
Staged combustion	No
Circulation pump	2
0.5°C temperature step control	Yes (35–48°C)
Heating temperature range	30–80°C
Hot water temperature range	35–60°C
Noise level (sound power / sound pressure)	≤ 53 / ≤ 39 dB
Wi-Fi	Yes

Component Overview

Variable-Speed Fan
Fan speed adjusts based on demand to support stable operation, lower energy use, and quieter running, while providing more precise airflow control across different scenarios.

Sealed Combustion Chamber
Uses insulation and sound-dampening materials to reduce heat loss and noise. Side-wall protection also helps reduce friction and vibration.

Built-in circulation pump
Supports the instant hot water function, reducing waiting time at the tap and helping cut down on water waste, while improving heating and hot water use.

Five-Pass Heat Exchanger Design
Helps maximize heat transfer in a compact layout, with a larger main passage and longer heat-exchange flow path for more effective heat absorption.

Expansion Tank
Helps balance pressure changes in the water system, compensates for volume changes caused by temperature shifts, reduces water hammer, and supports more stable operation.

Electronic Control Unit
Helps manage temperature accurately and improve efficiency. It also supports safety protections, user-friendly operation, and basic fault diagnostics for easier maintenance.

Noritz Water Pump
Designed for quieter operation and improved comfort, with self-protection functions that help reduce fault risk.

Dual Water-Flow Servo System
Controls inlet and outlet flow more precisely. By coordinating two flow paths, it helps keep water temperature steadier during multi-point use.

Italian SIT Gas Proportional Valve
Regulates gas flow and pressure with higher precision and fast response, helping support stable combustion and better energy use.

Component Overview

Installation Dimensions

Features

- Three-pipe instant hot water circulation helps reduce waiting time for hot water across the home
- PRO-Control dual servo temperature control helps keep hot water temperature steady (up to $\pm 0.2^{\circ}\text{C}$)
- Can be paired with Japanese-style dry underfloor heating for quicker comfort after start-up
- Heating temperature can be set from 30–80°C to suit different heating needs
- Large glass touch display offers responsive control with a clean, modern interface

Advantages

30–80°C heating range

Floor warms up in about 30 min*

Multi-point hot water without interference

Hot water stays within $\pm 0.2^{\circ}\text{C}$

PRO-Control dual servo control

24h instant hot water

Compatible with Japanese-style underfloor heating

Wide heating range

Quiet operation, down to 42 dB(A)

Dual anti-freeze protection

Wi-Fi smart control

Large touchscreen

- The "Floor heating ready in 30 minutes" claim is based on Noritz lab testing. Results may vary depending on real use.
- Data is taken from a test report issued by Zhejiang Fangyuan Testing and Certification Group (Report No.: 2411305892).

Applications

Noritz H Series gas combination boilers combine space heating and domestic hot water in one solution, making them suitable for different home areas such as kitchens, bedrooms, and bathrooms. They can be paired with Japanese-style dry underfloor heating for faster comfort after start-up, while also helping improve common issues seen in traditional boilers to support steadier whole-home water temperature.



NORITZ: From Japan, Serving Customers Worldwide

Noritz is committed to improving the hot water and underfloor heating experience for both residential and commercial projects. Every wall-hung boiler is produced under strict quality control aligned with international standards, and OEM/ODM customization is available to match different project needs. Supported by a well-established supply chain, Noritz (China) provides HVAC system solutions that stay competitive in real-world applications.

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

30kW Basic Gas Combination Boiler	22kW Gas Combination Boiler (Wi-Fi)	20kW Staged-Combustion Gas Combination Boiler (Wi-Fi)	27kW Staged-Combustion Gas Combination Boiler (Wi-Fi)
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