

Daikin Altherma 4 H unveiled: cutting-edge air-to-water heat pump with unmatched performance, safety and smart control

Vienna, December 2024 – Daikin Europe is proud to introduce **Daikin Altherma 4 H**, its first range of residential heat pumps with R-290 (propane) refrigerant designed for single and multifamily homes. The Daikin Altherma 4 H boasts an exceptional performance, providing hot water up to 75°C and operating down to -28°C. Rated A+++ for space heating energy efficiency, its superior performance and compatibility with existing heat-emitter systems make it a top choice for low carbon heating for both installers and end-users.

Exceptional performance for all weather conditions



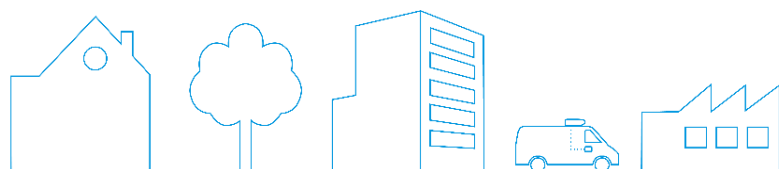
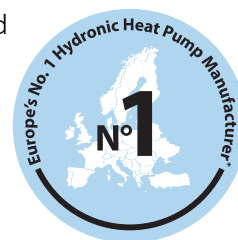
The Daikin Altherma 4 H delivers exceptional performance in all weather conditions, including extreme cold down to -28°C, ensuring reliable comfort year-round. With an **energy label of A+++ for space heating and up to A+ for domestic hot water**, this residential heat pump novelty guarantees low operating costs and energy efficiency.

The Daikin Altherma 4 H industry-leading heating capacity allows for the heat pump to deliver hot water up to 75°C. The largest available unit at 14 kW produces a heating output of 13.3 kW even at an ambient temperature of -7°C, with a leaving water temperature (LWT) setting of 55°C. This makes it **the best performing residential heat pump of its kind in the market today**.

Energy efficient hot water up to 75°C also means the unit can easily support traditional hot water radiator heating emitters and offers **a perfect low carbon alternative to gas boilers in renovation projects**.

Made in Europe – for Europe

All Daikin's residential heat pumps, including Daikin Altherma 4 H, are designed and made in Europe. The outdoor units are produced in Daikin's new factory in Lodz, Poland, while the indoor units of the heat pump system are produced in the Czech Republic and Germany. This ensures high quality, fast delivery, and quick support. In 2024, **Daikin is Europe's leading hydronic heat pump manufacturer** with over 1,300,000 units sold since 2006*.



Designed for comfort and efficiency

Silent operation

In addition to its remarkable heating capacity, Daikin Altherma 4 H operates quietly to enhance customer comfort, reaching just 28 dBA at a distance of 3 meters.

Easy installation and operation

The Daikin Altherma 4 H has an ergonomically positioned PCB (printed circuit board), and factory-mounted components like anti-freeze valves and ambient temperature sensors. The unit also features a new, intuitive interface that simplifies heat pump setup and is prepared for connectivity, allowing installers to perform remote parameter settings without the need for an on-site visit. End users can monitor the unit's energy consumption and adjust home temperature using the Daikin Onecta app.

Guaranteed safety thanks to unique safety components

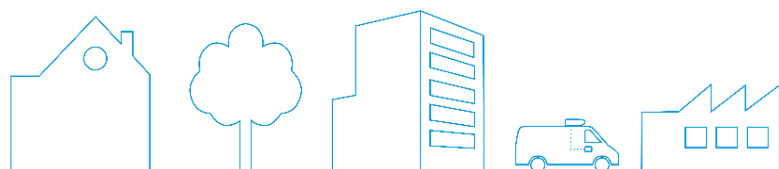
Daikin is committed to ensuring its products can be safely handled throughout their lifecycle, from product development to unit installation and operation. The Daikin Altherma 4 H runs on R-290 (propane) refrigerant, which has a near zero Global Warming Potential (GWP), but which is highly flammable. Dedicated Daikin safety components, such as a gas separator preventing refrigerant exposure or anti-freeze valves for protection against freezing, guarantee full safety during unit transport, installation, maintenance, and operation.

Dedicated training programs for installers

Additionally, Daikin offers extensive training for installers to ensure high-quality installation of the Daikin Altherma 4 H with R-290, as well as commissioning, maintenance, and repair. These training sessions, available through the **Stand By Me – Certified Partner platform**, are part of Daikin's maximum safety policy for handling flammable refrigerants in residential environments.

Stand by Me – Certified Partner Program is open to all installers. For more information about the program, visit <https://www.sbm-cp.daikin.eu/>

In line with Daikin's global refrigerant strategy, Daikin offers alternative residential heat pumps with low flammable refrigerant R-32 for those installation scenarios where propane cannot be used.



Product specifications

- Available in classes: 6, 8, 10, 12, 14 kW - 1 and 3 phase
- Dimensions (HxWxD): 1122 x 1330 x 600 mm
- Developed for Daikin: microchannel heat exchanger (reduces galvanic corrosion problems and reduces the refrigerant amount to approx. 1-1,25 kg), fan, compressor,
- Space heating energy labels: A+++ at 55 °C and A+++ at 35 °C energy label
- Domestic Hot Water energy labels: up to A+ DHW
- Operation range down to -28°C
- 70-75°C LWT at -15°C
- Combinable with 3 different indoor units (wall mounted, floor standing with integrated tank, floor standing with ECH2O tank)
- Daikin-developed safety features such as a gas separator, factory mounted anti-freeze valves, sealed switchbox, gas sensor with automatic fan operation
- Ultra-low sound pressure level 28dBA at a distance of 3 meters
- New 5" color touch screen
- Smart grid ready

Save the date

The Daikin Altherma 4 H will also be presented at the Daikin booth at ISH2025 in Frankfurt, Germany from 17-21 March, 2025.

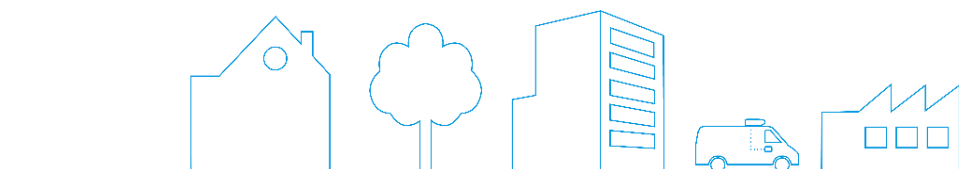


Read more on [ISH 2025: Daikin to present heat pump innovations and HVAC solutions for a sustainable future | Daikin](#)

Reference

*BRG Building Solutions, June 2024 data/report

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About

100 years Daikin

The story of Daikin has always been shaped by groundbreaking ideas, technological innovations, and dedicated people. It began in 1924 when the young Japanese engineer Akira Yamada founded an enterprise in Osaka to manufacture aircraft radiators with a 15-member team. Today, 100 years later, the Daikin Industries Ltd. group brings **future-proof solutions for heating, cooling, ventilation, air purification, and refrigeration to global markets**. More than 98,000 employees in 175 countries continue the company's legacy of leading technologies to advance low carbon heating and cooling, while ensuring the highest level of comfort. For its fiscal year 2023 the global Daikin Group reported a record sales result of € 28 billion sales (1 April 2023 – 31 March 2024).

Read more on [100 Years Daikin](#)

Daikin Industries Ltd.

Daikin Industries is a **worldwide leader in heat pump, air conditioning, and air filtration technology**, employing more than 98,000 people. Founded in Osaka in 1924, it is the **only manufacturer in the world that develops and manufactures HVAC-R equipment, compressors and refrigerants in-house**. Daikin has been recognized as one of the world's top 100 most innovative companies by Clarivate (UK) and LexisNexis (USA) for its leadership in technology research and intellectual property patents. For its fiscal year 2023 (April 1, 2023 – March 31, 2024), the Daikin reported a record sales result of €28 billion.

Read more on www.daikin.com

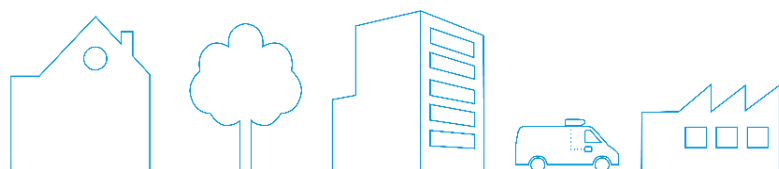
Daikin Europe N.V.

The Daikin Europe Group is a **leading provider of heating, cooling, ventilation, air purification and refrigeration (HVAC-R) technology** across Europe, Middle East, and Africa. Daikin designs, manufactures, and offers customers a broad portfolio of products, maintenance services, and turnkey solutions **for residential, commercial, and industrial applications**. The group currently employs over 13,800 people across more than 59 subsidiaries and operates 14 manufacturing sites in Belgium, the Czech Republic, Germany, Italy, Spain, Austria, the United Kingdom, Turkey, the United Arab Emirates, and the Kingdom of Saudi Arabia. Headquartered in Ostend, Belgium, for over 50 years, the Daikin Europe Group is a subsidiary of Daikin Industries Ltd.

Read more on www.daikin.eu

Daikin Airconditioning Central Europe

Daikin Airconditioning Central Europe, founded in 1999 with its headquarters in Vienna, Austria, operates as a subsidiary of Daikin Europe. Its portfolio includes **products and total solutions for heating, cooling, ventilation, air purification, and refrigeration in residential, commercial, and industrial settings**. With over 700 employees and 3,400 partners, the company manages sales and service activities across **16 countries in Central and Eastern Europe**, including Austria, Albania, Bosnia and Herzegovina, Bulgaria, Croatia, the Czech Republic, Hungary, Kosovo, Montenegro, Moldova, North Macedonia, Poland, Romania, Serbia, Slovakia, and Slovenia.



With 'Your Daikin World' at the Vienna headquarters and the 'Daikin Inspiration Park,' the HVAC-R industry and the construction sector have access to two state-of-the-art B2B-experience centers for co-creating tailor-made solutions for hotels, retail, offices, and large commercial applications. Across the CE-region Daikin runs 10 out of 116 B2B-trainings centers across Europe. Consumers and homeowners receive consultations at four B2C-Experience centers in Vienna, Belgrade, Bratislava and Budapest.

Read more on www.daikin-ce.com

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