

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

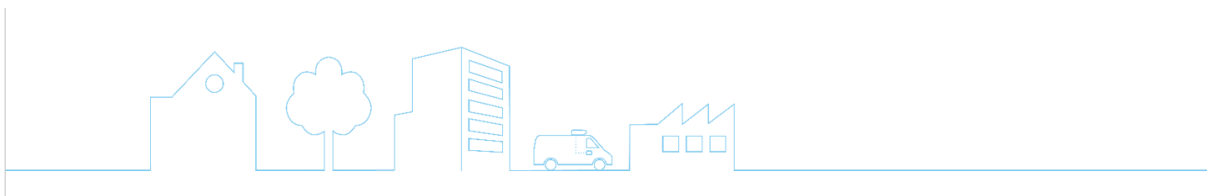
Brussels, 9 December 2024 – Daikin Europe is proud to introduce Daikin Altherma 4 H, its first range of residential heat pumps with R-290 (propane) refrigerant designed for single family homes. The Daikin Altherma 4 H boasts an exceptional performance, providing hot water up to 75°C and operating down 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**, Daikin Altherma 4 H 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 elements of the heat pump system are produced in the Czech Republic and Germany. This ensures high quality, fast delivery, and quick support.

### Designed for comfort and efficiency

#### Low noise

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

**For Installers: ease of installation and operation.** Daikin Altherma 4 H has an ergonomically positioned PCB, and factory-mounted components like anti-freeze valves and ambient temperature sensors. The units also feature a new, intuitive interface that simplifies heat pump setup and are prepared for connectivity, allowing installers to perform remote parameter settings without needing 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

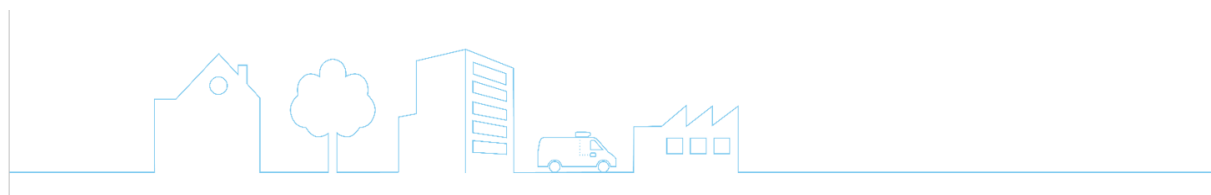
Daikin is committed to ensuring its products can be safely handled throughout their lifecycle, from product development to unit installation and operation. Daikin Altherma 4 H runs on R-290 (propane) refrigerant, which has a near zero Global Warming Potential (GWP), but which is highly flammable.

**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 installer training programs

Additionally, Daikin offers extensive installer training programmes to ensure high-quality installation of 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 is open to all installers. For more information about the programme, 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 cases where propane cannot be used.



### Product specifications:

- Available in classes: 6, 8, 10, 12, 14 kW - 1 and 3 phase
- Dimensions (HxWxD): 1122 x W1330 x D600 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
- 28dBA sound pressure (6kW unit)
- New 5" colour touch screen
- Smart grid ready

Copyrights pictures: Daikin Europe

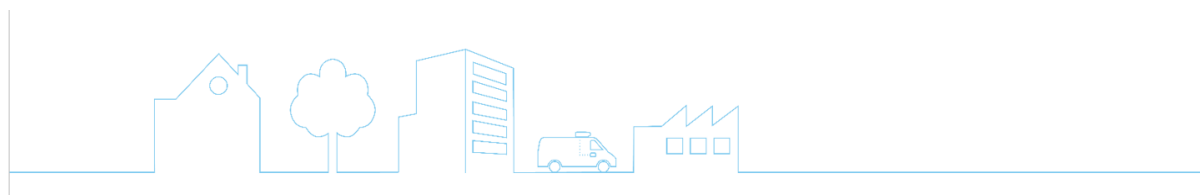
### About Daikin

#### About Daikin Europe N.V.

The Daikin Europe group is the leading provider of heating, cooling, ventilation, air purification and refrigeration (HVAC-R) technology in Europe, Middle East, and Africa. Daikin designs, manufactures, and offers customers a broad portfolio of products, maintenance services as well as turnkey solutions for residential, commercial, and industrial purposes. To date, Daikin Europe has over 13,800 employees across more than 59 subsidiaries. It has 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 the global group Daikin Industries.

#### About Daikin Industries Ltd.

Daikin Industries (DIL) is a worldwide leader in heat pump, air conditioning, and air filtration technology with more than 98,000 employees. Founded in Osaka in 1924, it is the only manufacturer in the world that develops and manufactures heating, ventilation, air conditioning, and refrigeration equipment, as well as compressors



and refrigerants in-house. Daikin was named one of the world's top 100 most innovative companies by Clarivate (UK) and LexisNexis (USA), recognized for its leadership in technology research and intellectual property patents. For its fiscal year 2023 Daikin reported a record sales result of € 28 billion sales (1 April 2023 – 31 March 2024).

Read more on [www.daikin.eu](https://www.daikin.eu) and [www.daikin.com](https://www.daikin.com).

