
Daikin Altherma 3 R heat pump in sizes 11 - 16 kW for the first time in split design with R-32 refrigerant for cooling, heating and hot water

With its new Daikin Altherma 3 R, Daikin is launching for the first time an R-32 air-to-water heat pump in higher output sizes as a split unit that also provides cooling in addition to heating and domestic hot water. The heat pump is available with a redesigned outdoor unit in 11 kW, 14 kW and 16 kW capacities.

Thanks to further developments in compactness, design and operating performance, Daikin Altherma 3 R proves to be the ideal heat pump for larger new and renovated old buildings. The new outdoor unit is smaller and even fits under a window. Equipped with one large fan instead of the two smaller ones common in higher-performance units, it is 25 % lower in height than its predecessors. This heat pump hides its fan behind a black, horizontally extending front grille to blend into any environment.

Ideal for new buildings and renovated old buildings

With an outlet water temperature of up to 60 °C at an outside temperature of -7 °C, the unit can be used flexibly. Operation of the system is guaranteed down to an outside temperature of -25 °C. The heat pump works particularly efficiently in combination with underfloor heating systems and heat pump convectors, both of which are available as Daikin total solutions.

One solution, many possible combinations

Three different models of indoor units are available for Daikin Altherma 3 R series outdoor units. The indoor units are available in three model versions: "Heating only", "Heating and cooling" and "Bizone". The "Heating only" versions are integrated as standard. The "Cooling" function can only be implemented with underfloor heating or heat pump convectors.

With the Daikin app Onecta, the Daikin Altherma 3 R heat pump can also be controlled via smartphone.



Three different models of indoor units are available for the Daikin Altherma 3 R series outdoor units. Shown is Daikin Altherma 3 R F, the floor standing unit with integrated domestic hot water tank. (© Daikin)



The new Daikin Altherma 3 R outdoor unit is equipped with one large fan instead of the two smaller fans common in higher performance class units And thus 25 % lower in height than its predecessors. (© Daikin)



The new Daikin Altherma 3 R outdoor unit is available in sizes 11 kW, 14 kW and 16 kW
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Further information about the DAIKIN Altherma 3 R is available [here](#).

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Daikin Airconditioning Germany GmbH

Daikin Airconditioning Germany GmbH is headquartered in Unterhaching, near Munich and provides high-quality, energy-efficient heat pumps and air conditioners for private, commercial and industry customers. In the commercial sector, Daikin also offers products for cooling and freezing applications as well as ventilation systems and chillers. In July 2020, sales and service of Daikin Airconditioning Germany GmbH and Rotex Heating Systems GmbH merged. With around 420 employees and revenue of €224 million (2020/2021), the German subsidiary of Daikin Europe N.V. (Osaka, Japan) is market leader in Germany in the area of variable refrigerant volume (VRV) climate control technology.

Daikin Europe N.V.

Daikin Europe N.V., based in Ostend, Belgium, is a leading manufacturer of air-conditioning systems, heat pumps and refrigeration technology (commercial refrigeration) with around 11,000 employees in the EMEA region and production facilities in Belgium, the Czech Republic, Germany, Italy, Turkey, Austria, Spain and the UK.

Daikin Industries Ltd.

Daikin Industries has around 85,000 employees worldwide and generated revenue of about €20.1 billion (2020/2021). The company is the market leader in the field of heat pump and air conditioning technology.

Market leader for heat pump technology in Europe

With over 90 years of experience in development and manufacturing of heating and air-conditioning solutions, Daikin is today the market leader in heat pump technology. For example, the Daikin VRV product series for commercial applications and Daikin Altherma for private applications are the best sold heat pump systems in Europe with over 500,000 units. Over 85% of the equipment for the European market is also produced in Europe. Daikin is the only air conditioning manufacturer worldwide that develops and produces all important components like refrigerants, compressors and electronics itself.

During the last years Daikin was completing its product portfolio and expanding its business area heating technology as well as commercial and industrial refrigeration in Europe. In mid-2016, Daikin Europe N.V. acquired Zanotti S.p.A., an Italian manufacturer of industrial and transport refrigeration, and air treatment and dehumidification systems. This was followed in 2018 by the acquisition of Tewis Smart Systems S.L., one of Spain's leading companies for standardised and customised refrigeration solutions. The acquisition of the Austrian refrigeration specialist AHT Cooling Systems GmbH was completed at the beginning of 2019.