

## Daikin Altherma high temperature **for Renovations**

Heating - Domestic hot water

- » **Heating up to 80°C without electric heater**
- » **Easy replacement of existing boiler, without changing heating pipes**
- » **Can be combined with high temperature radiators**
- » **Low energy consumption: best COP levels in its class (up to 3.08)**



# Daikin Altherma high temperature for replacement of traditional boilers

## 1 Split system

### A SPLIT SYSTEM CONSISTS OF AN OUTDOOR UNIT AND AN INDOOR UNIT

The Daikin Altherma outdoor unit includes a heat pump that extracts heat from the outside air resulting in nearly 2/3 of all usable heat coming from a sustainable and free source.

The **outdoor unit** extracts heat from the ambient outdoor air. This heat is transferred to the indoor unit via refrigerant piping.

The **indoor unit** receives the heat from the outdoor unit and further increases the temperature, allowing water temperatures up to 80°C for heating through radiators and for domestic hot water use. Daikin's unique cascade compressor approach to the heat pumps (one in the outdoor unit/one in the indoor unit) means optimum comfort at even the coldest outdoor temperatures, without the need for an electric back-up heater.

Available capacities are 11, 14 and 16kW. If a greater heating capacity than 16 kW is required, you can now combine several indoor units with one single outdoor unit to give up to 40 kW of heating.

Daikin Altherma high temperature heats up to 3 times more efficiently than a traditional heating system based on fossil fuels or electricity. A lower running cost is thus achieved, while you can still enjoy a stable and pleasant level of comfort.\*

\* COP (Coefficient of Performance) of up to 3.08



## Accessories for high temperature applications .....

### EASY CONTROL

With Daikin Altherma's user interface, your ideal temperature can be easily, quickly and conveniently controlled. It allows for precise measurement and so you can regulate and optimize your comfort in an energy efficient manner.

### IDEAL FOR EXISTING HIGH TEMPERATURE RADIATORS

The Daikin Altherma high temperature system is designed to work with high temperature radiators, which come in various sizes and formats to suit the interior design as well as the heating requirement. Our radiators can be individually regulated or they can be controlled by the central heating control programme.



## 2 Domestic hot water tank

### FOR LOW ENERGY CONSUMPTION

Daikin Altherma's high water temperature is ideal for heating domestic hot water without the need for an additional electric heater. Rapid heating of domestic hot water also means smaller heaters are needed. For a family of approximately four people, the standard tank is the best solution. Should you require more hot water, a larger tank is also available.

- a-** Indoor unit
- b-** Outdoor unit
- c-** Domestic hot water tank

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### SOLAR CONNECTION

The Daikin Altherma high temperature heating system offers the option of using solar energy for hot water production. If the solar energy is not required immediately, the purpose-built hot water tank (EKHWP) can store large quantities of heated water for up to a day for later use as domestic water or for heating.



## DAIKIN, YOUR RELIABLE PARTNER

Daikin is the market leader in climate conditioning systems – for private homes as well as for larger commercial and industrial spaces. We make every effort to ensure that you are 100% satisfied.

## HIGH-QUALITY, INNOVATIVE PRODUCTS

Innovation and quality are constantly in the forefront of Daikin's philosophy. The entire Daikin team is trained to provide you with optimal information and advice.

## A CLEAN ENVIRONMENT

When you bring a Daikin product into your home, you are also making a significant contribution to the environment. In producing your comfort system, we strive for sustainable energy consumption, product recycling and waste reduction. Daikin rigorously applies the principles of eco-design, thus restricting the use of materials that are harmful to our environment.



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

Daikin Altherma High Temperature units are not in scope of the Eurovent certification programme.



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