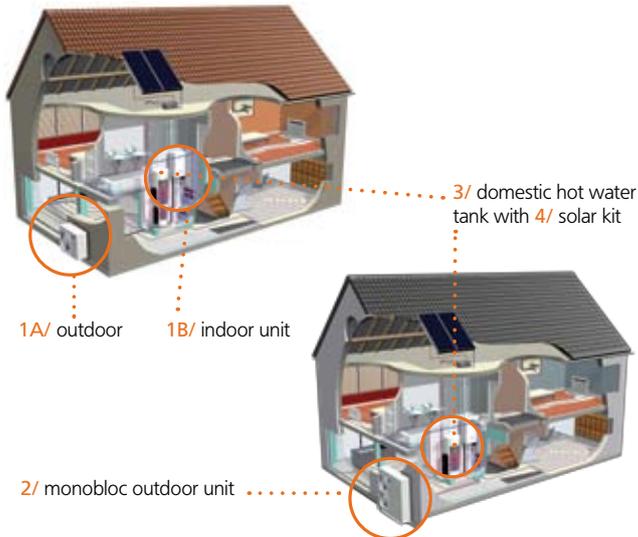


COMPLETE COMFORT FOR YOUR FAMILY

Altherma™ satisfies your heating requirements but it can also supply your domestic hot water. It comes with a cooling option for hot summer days.



DID YOU KNOW THAT...

Daikin has more than 50 years of experience with heat pumps and provides more than a million of them to homes and commercial applications each year?



➤ HOW DOES THE **altherma™** HEAT PUMP WORK?

The principle is quite simple. The system consists of 5 components which together provide the ideal comfort and water temperature.

➤ AIR TO WATER HEAT PUMP

1A/ OUTDOOR UNIT: AN EFFICIENT USE OF ENERGY FROM THE AIR

Altherma™ uses a natural source of energy. The outdoor unit extracts heat from the outside air and raises its temperature to a level high enough to supply heating. This heat is then transferred to the indoor unit through refrigerant pipes (thus, the additional advantage is that the pipes can never freeze). The compact outdoor unit is easily installed and, as no drilling or excavation work is required, it can also be installed in flats and apartments.

1B/ INDOOR UNIT: THE HEART OF THE ALTHERMA™ SYSTEM

The indoor unit heats the water that circulates through low temperature radiators, floor heating systems or fan coil units and also provides domestic hot water. If you opt for the combination of heating and cooling, then the indoor unit can also decrease the water temperature to distribute a refreshing coolness.

2/ MONOBLOC OUTDOOR UNIT: ALL IN ONE

In addition to Altherma™ outdoor and indoor unit systems, Daikin has introduced a monobloc version in which all hydraulic parts are located within the outdoor unit. In this new system the water pipes, rather than refrigerant lines, run indoors from the outdoor unit, making installation much quicker and easier for the domestic installer.

3/ DOMESTIC HOT WATER TANK

As for your domestic hot water, Altherma™ is just as clever. The unique lay-out and special placement of the system components maximise energy efficiency. The water inside the storage tank is primarily warmed up by thermal energy from the outside air, thanks to a heat exchanger connected to the heat pump. However, an additional electrical heating element in the domestic water tank can take care of extra heat required in the shower, tub or sink. At necessary intervals the water is automatically heated to 70°C to prevent the risk of bacteria growth. With Altherma™ you can enjoy delightfully warm and perfectly safe water at all times. Depending on the daily consumption of hot water, Altherma™ domestic hot water tanks are available in three different sizes.

4/ SOLAR KIT

The solar kit provides the transfer of solar heat to the Altherma™ hot water tank via an external heat exchanger. In contrast to tanks with two heat exchangers, this system allows the entire content of the tank to be efficiently heated with solar heat and, if necessary, with heat pump energy.

5/ ROOM THERMOSTAT

With the wired or wireless room thermostat, the ideal temperature can be easily, quickly and conveniently regulated. As an option to the wireless room thermostat, an external sensor (EKRTETS)* can also be placed between the under floor heating and the floor. It allows for more precise measurement and can regulate the comfort level of your customer even more optimally and energy efficiently.

*EKRTW for wired wall-mounting and EKTRR for the wireless type.

THE INTELLIGENT WAY TO COMFORT



In all of us,
a green heart



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 Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.



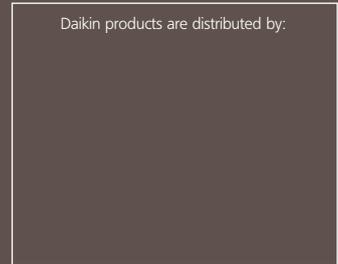
Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FCU); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

DAIKIN EUROPE N.V.

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altherma™ ADVANTAGES CHOOSING ALTHERMA™ ... NOTHING BUT BENEFITS!

LESS ENERGY,
PLEASANT WARMTH IN YOUR HOME

Altherma™ heats up to 5 times more efficiently than a traditional heating system based on fossil fuels or electricity. By making use of the heat in the outside air, you use much less energy while still enjoying a stable and pleasant level of comfort.

FLEXIBLE CONFIGURATIONS

Altherma™ can be configured for use in both new and refurbishment applications, and connects to standard low temperature radiators, under floor heating or fan coil units. If you already have a heating system, there is no need to change it all.

LESS CO₂ EMISSIONS

You can personally contribute to a better environment as Altherma™ emits no direct CO₂. The pump needs power but even without access to renewable electricity, the Altherma™ system emits far less CO₂ than fossil fuel boilers.

RENEWABLE, INEXHAUSTIBLE ENERGY

WITH SOLAR COLLECTORS.

In combination with solar collectors, Altherma™ uses thermal energy from the sun which will keep up its good work for another five billion years.