

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.

1/ 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.

2/ 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.

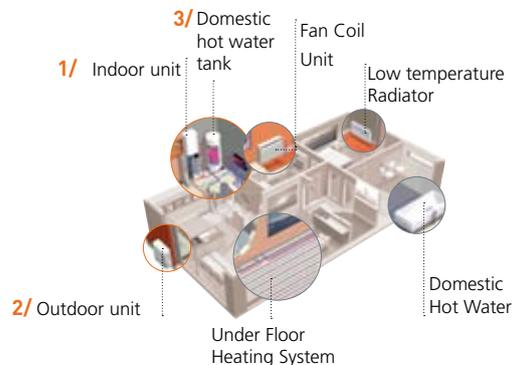
3/ DOMESTIC HOT WATER TANK : FOR LOW ENERGY CONSUMPTION

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.



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?



INTELLIGENT TEMPERATURE REGULATOR

The operation of the system is integrated in the indoor unit. With Altherma, it is possible to regulate your heating and (optional) cooling system according to your needs. Your Daikin installer can set up a full weekly programme for you, per hour or per day. In this way, the temperature is reduced automatically at night or during your holiday, but will be pleasantly warm when you get up or return home.

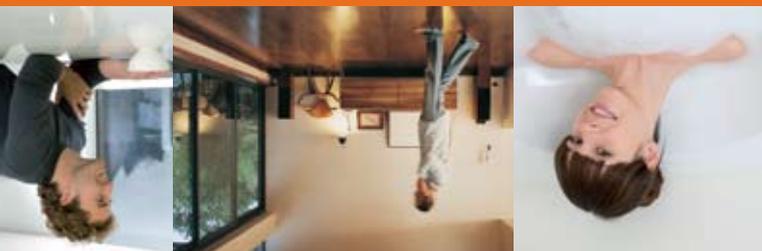


DID YOU KNOW THAT...

the Altherma system can be perfectly combined with solar collectors via a solar kit to produce hot water. The sun provides 30 to 70% of the energy required for our hot water needs. Altherma, your total solution, thinks of the future.



THE INTELLIGENT WAY TO COMFORT



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 (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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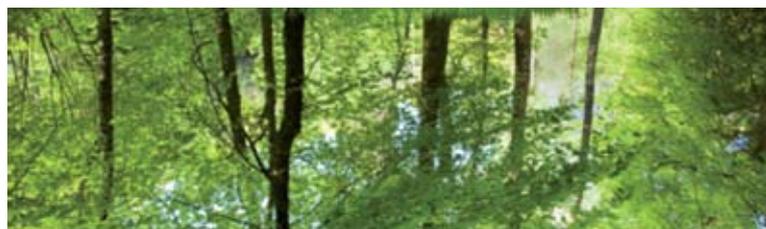
DAIKIN EUROPE N.V.

Naamloze Vennootschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BTW: BE 0412 120 336
RPR Oostende

FSC

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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. You can personally contribute to a better environment as Altherma emits no direct CO₂.
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.



ALOTHERMA ADVANTAGES
CHOOSING ALOTHERMA... 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.