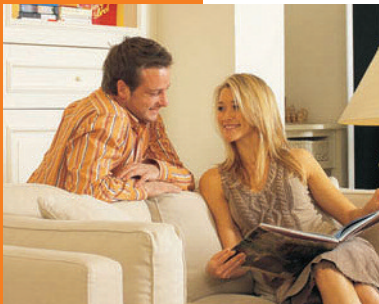




# Daikin Altherma

The efficient,  
economical and renewable  
heating system



# Daikin Altherma

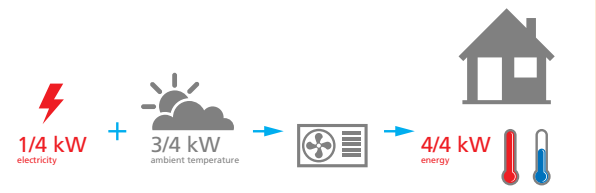
THE COMPLETE HOME HEATING SYSTEM THAT'S A GENUINE ALTERNATIVE TO FOSSIL FUELS. THE HEATING SYSTEM THAT WILL MAKE A **REAL DIFFERENCE** TO BOTH YOUR POCKET AND TO THE ENVIRONMENT

## Daikin Altherma

- ✓ Heat Pump technology that can give you 3 to 5 times the efficiency of traditional boiler systems.
- ✓ Manufactured by Daikin, a global leader in the production of heat pumps for heating and cooling.
- ✓ Providing all your heating and hot water needs throughout the year.
- ✓ Supplied and fitted by trained installers.
- ✓ A fully packaged heat pump system – no hidden 'extras'.
- ✓ Superior technology ensuring performance is unaffected in a cool UK climate, in fact even as low as  $-20^{\circ}\text{C}$ .

### WHAT IS A HEAT PUMP?

AN AIR SOURCE HEAT PUMP SYSTEM PROVIDING **3-5 KW OF ENERGY** FOR EVERY 1 KW OF ELECTRICITY USED



It's a "mover" of heat, utilising the available latent renewable heat from the outside air. Put simply, it works on the same principle as a refrigerator but in reverse!

1. Extracts thermal energy from the outside air
2. Refrigerant liquid in an outdoor unit absorbs the energy and the liquid evaporates into vapour
3. The vapour is compressed to increase its temperature
4. The vapour is then condensed back to a liquid, releasing its heat into your heating system
5. The refrigerant liquid is circulated back to start the process all over again.

# Daikin Altherma

PROVIDING SOLUTIONS FOR NEW HOUSES FOR NEW CENTRAL HEATING INSTALLATIONS AND FOR REPLACING EXISTING BOILERS!

## For direct replacement of existing boilers



- No need to resize or replace existing radiators as water can circulate up to 80°C
- Consisting of an outdoor unit connected by refrigerant pipes to an internal unit which heats the water for both radiators and hot water supply.

HIGH  
TEMPERATURE  
SYSTEM

LOW  
TEMPERATURE  
SYSTEM

## For your new home or for a major refurbishment:

- Circulating water up to 50°C; the perfect solution when installing underfloor heating, low temperature radiators or fan convectors.
- Daikin cylinder caters for all your hot water requirements
- Optional solar enabling kit for connecting to solar panels to achieve even greater energy savings!



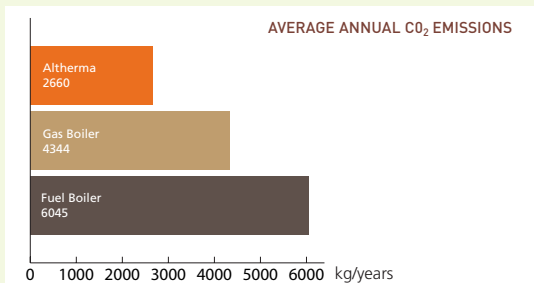
Available  
in split and  
Monobloc  
versions to  
suit your  
requirements!

# Daikin Altherma

THE EFFICIENT, ECONOMICAL AND RENEWABLE HEATING SYSTEM

## THE BENEFITS

- Energy saving with low running and maintenance costs
- Considerably reduced CO<sub>2</sub> emissions when compared to conventional systems
- Automatically adjusts its capacity to match the heating requirement at any given time, consuming 30% less energy than traditional on/off systems
- Financial incentives: Reduced VAT and up to £900 potential grant
- Complete packaged system with all controls and main ancillary components – no hidden extras
- No groundworks or boreholes needed for outdoor units
- Low noise and unobtrusive
- Can be connected to radiators, underfloor heating or fan convectors



Calculations based on data provided by Eurelectric (Union of the electricity industry), 'Eurelec Program - 2001' for EU27

## THE THREE STAGES OF YOUR INSTALLATION

**1) Contact a Daikin Altherma installer** – Daikin has a network of fully trained Daikin Altherma installers that will be able to deliver reliable and quality service for your project.

**2) Design and Installation** – Your Daikin Altherma installer will evaluate the heat load requirement in your home and will provide you with a quotation for equipment and installation. When you decide on Daikin Altherma, your installer will be able to provide a fast and hassle free installation.

**3) Maintenance** – For your peace of mind, your installer can provide regular service and maintenance to your installation: this will optimise the performance of the system to ensure maximum energy savings.



# Daikin Altherma

DAIKIN ALTHERMA HEAT PUMP:

EFFICIENT, ECONOMICAL  
AND GREENER

## EFFICIENT

Because it delivers more than three to five times the energy it uses, this makes it 300% more efficient than gas and oil fired boilers



## GREENER

Because CO<sub>2</sub> emissions are up to 60% less than oil fired boilers and up to 50% less than gas fired boilers



## ECONOMICAL

Because VAT on domestic heat pump installations is only 5% and, because Daikin Altherma is accredited\* under the Microgeneration Certification Scheme (MCS), allowing homeowners to apply for grant of up to £900 under the Low Carbon Building Programme



# www.altherma.co.uk

CHOOSE  
DAIKIN  
WITH  
CONFIDENCE

- 1)** Air source heat pumps are already popular in countries such as Sweden, Denmark and France. Daikin Altherma is a tried and tested system with thousand of units installed across Europe.
- 2)** The whole Daikin Altherma system is manufactured at Daikin's state of the art factories in Europe. This includes the all important highly efficient inverter driven compressor. Installing a Daikin Altherma heat pump system, means installing the best technology and quality in your home.
- 3)** Daikin Altherma technology is approved under the Microgeneration Certification Scheme (MCS)\* an independently administered government scheme, it provides consumers the guarantee that certified MCS products have conformed to a rigorous set of standards to ensure they deliver the required levels of energy efficiency and therefore, running cost savings.

\*Please refer to [www.microgenerationcertification.org](http://www.microgenerationcertification.org) for list of Daikin Altherma MCS certified product range



**Daikin UK**

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