DAIKIN

Comfort all year round

Heating and cooling solutions for your home

Whatever the size of your home, whether it is a new build or a renovation, we have systems which will provide you with the ideal climate. A licensed Daikin installer can advise you about which heating system will have the longest service life and lowest energy costs. They can also tell you which system provides the best combination of comfort and environmental responsibility. In this guide, you will find information about the heat pump, the most efficient system for indoor comfort. This gentle, yet cutting-edge technology will provide you with the indoor climate you want while minimising impact on the environment.

Why choose Daikin?

Comfort

- We offer a **wide range of products** and always provide you with the ideal solution for your home
- Our units create your ideal indoor climate **without noise disruption**

Control

- Our expertise makes life easier for you, allowing you to control your system via a **smartphone app** or a user-friendly remote control

Energy Efficiency

- As an **environmentally responsible** company, we are dedicated to being part of a healthy ecosystem
- Our products are designed to be **highly efficient** all year round
- Our products' low energy consumption means **lower energy bills** for you reaching the highest energy effiency levels. A+++
- Our heat pumps meet stricter European standards for measuring energy efficiency, also known as **seasonal efficiency.**

SEASONAL EFFICIENCY

Reliability

- Our products are renowned for their reliability. And you can rely on Daikin **service** to match

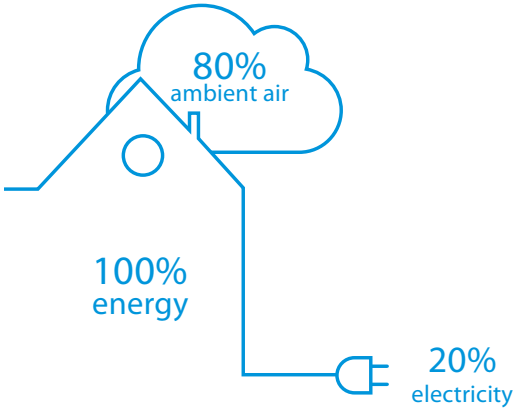
Heat pumps,

the solution for those with an eye to the future

A heat pump is a system designed to extract and transport heat, allowing you to maintain constant indoor temperature all year round. For complete comfort, Daikin Altherma units can also provide you hot water.

A renewable resource

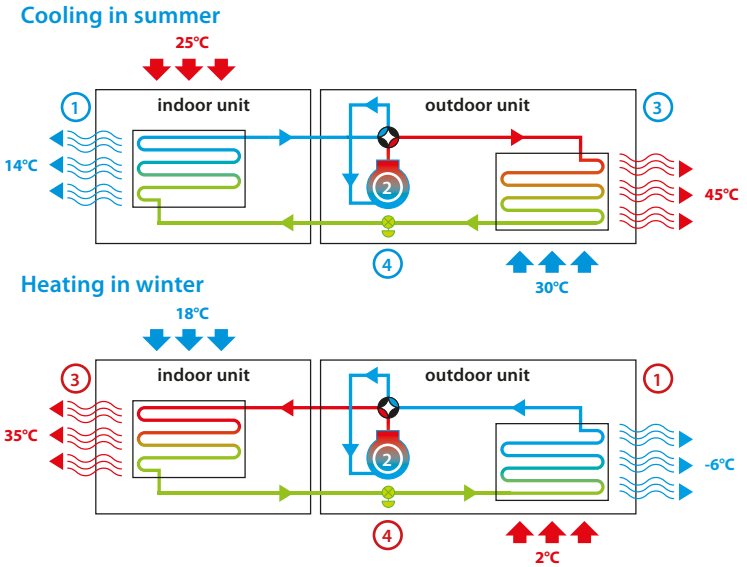
Heat pumps extract heat from the outside air, even in cold weather. They use an electrically powered compressor and are extremely effective at heating a flat or a house. Daikin heat pumps are silent and discreet, and use state-of-the-art technology to keep your energy bills as low as possible. With a Daikin heat pump, 80% of the energy used to heat your home comes from the outside air, a free and infinitely renewable resource! For cooling, the system is reversed, extracting heat from the indoor air.

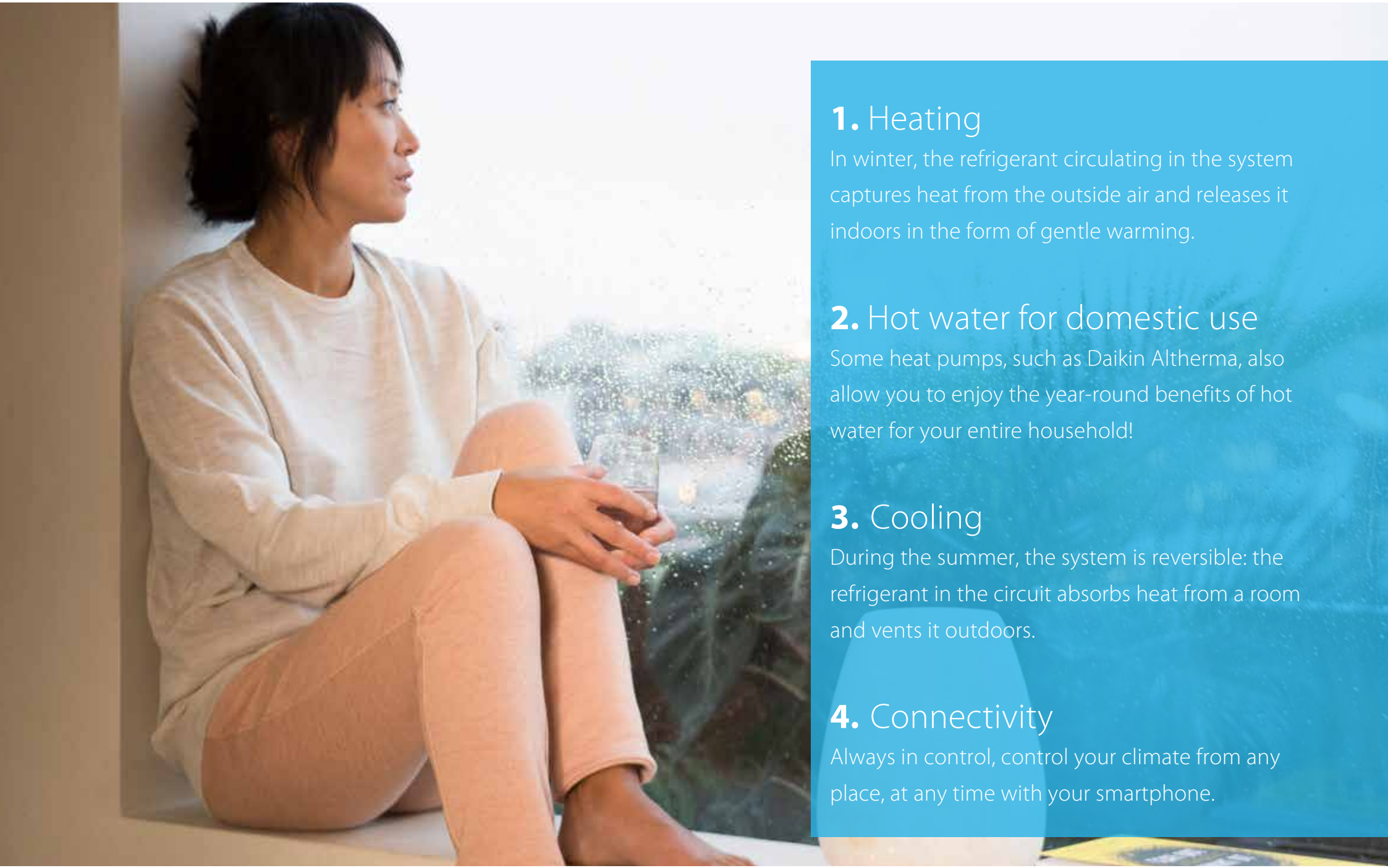


A perpetual cycle

A refrigerant circulates in a closed circuit inside the system in order to transfer heat to and from the air outside and inside your home.

› The evaporator enables the refrigerant to extract heat from the outside air by changing from a liquid state to a gas.
› The electric compressor then compresses the gas, which raises its temperature.
› The condenser then allows the gas to transfer its heat to the heating system as it returns to a liquid state.
› The expansion valve lowers the pressure of the refrigerant, which triggers its vaporisation to begin a new cycle.





1. Heating

In winter, the refrigerant circulating in the system captures heat from the outside air and releases it indoors in the form of gentle warming.

2. Hot water for domestic use

Some heat pumps, such as Daikin Altherma, also allow you to enjoy the year-round benefits of hot water for your entire household!

3. Cooling

During the summer, the system is reversible: the refrigerant in the circuit absorbs heat from a room and vents it outdoors.

4. Connectivity

Always in control, control your climate from any place, at any time with your smartphone.

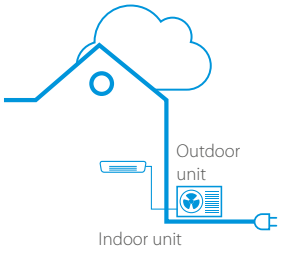
From renewable to combustion technologies

With its state-of-the-art technology, Daikin can always offer the most efficient products in its range

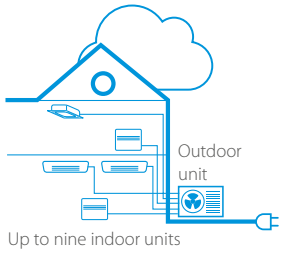
1. Air to air heat pump

An air to air heat pump extracts the heat from the outside air and then releases it as warm air inside your living space. During summer, this process is reversed: the heat indoors is removed and transported outdoors. This system guarantees you a constant temperature all year round.

For more detailed information, please go to page 10.



Pair combination: a system for one space, where one indoor unit is connected to one outdoor unit.

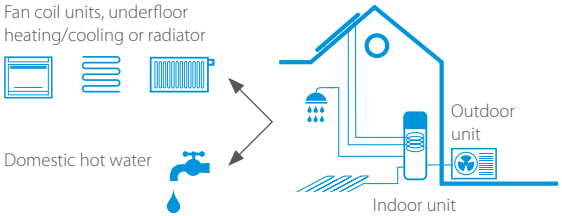


Multi combination: the basic system is the same as in a pair combination. The only difference is that up to 9 indoor units can be connected to it. If your needs change, the system evolves as well. Additional indoor units can, in fact, be installed at more than one go.

2. Air to water heat pump

An air to water heat pump also extracts heat from the outside air. This system tranfers the heat indoors through a water circuit. An air to water heat pump can also meet your domestic hot water needs and, if needed, can provide pleasant coolness in the summer. This system offers a stable room temperature all year round.

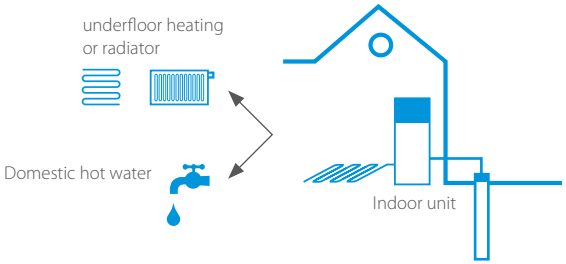
For more detailed information, please go to page 22.



3. Ground to water - geothermal heat pump

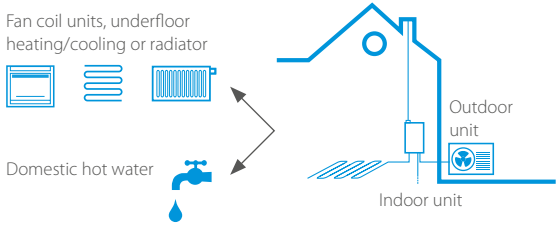
A ground to water heat pump extracts heat from the ground. The principle behind geothermal heating is extracting heat from the ground and converting it to the heat we use for heating a home. The advantage of geothermal heating is that the energy extracted does not depend on the sun or wind, and that it is the most constant.

For more detailed information, please go to page 28.



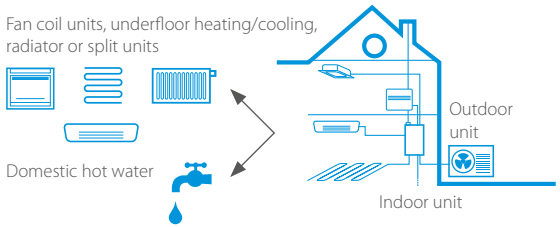
4. Hybrid heat pump

A hybrid heat pump combines air to water heat pump technology with gas condensing technology by searching for the most economical condition depending on the specific operation conditions.



Hybrid Multi: A combination of a multi-split system and hybrid heat pump, the Hybrid Multi is a total solution for combining air conditioning with hot water. Compatible with our range of split units, radiators and underfloor heating, the Hybrid Multi is your smart solution for heating, cooling and domestic hot water for year-round climate comfort.

For more detailed information, please go to page 26.

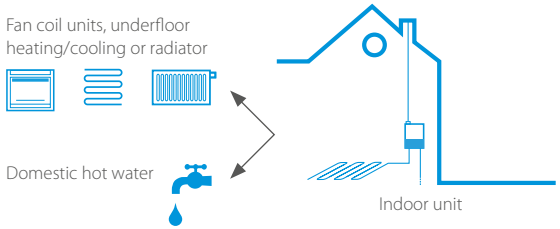


NEW

5. Gas condensing boiler

A gas condensing boiler generates heat by burning gas. To maximise combustion, it recovers heat from the water vapour produced by the exhaust gases, and this is used to pre-heat the incoming water, thus reducing the amount of energy used.

For more detailed information, please go to page 32.

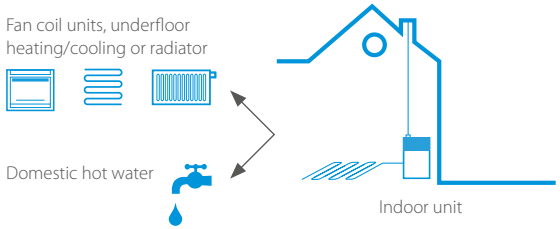


NEW

6. Oil condensing boiler

An oil condensing boiler generates heat by burning oil. To maximise combustion, it recovers heat from the water vapour produced by the exhaust gases, and this is used to pre-heat the incoming water, thus reducing the amount of energy used.

For more detailed information, please go to page 33.



Daikin Online Controller

Always in control. Control your climate from any place, at any time

Simply connect your unit to Wi-Fi and download the app to change the thermostat, set temperature schedules, review your energy consumption and develop your own "If this, then that" workflow. Compatible with our split range and heating solutions, the Daikin Online Controller is ideal for year-round climate control.

Your home

This screen provides you with an overview of your home. From here you can access all of the features and can centrally control up to 50 units at once.

Individual rooms

Adjust the temperature, operating mode, air purification and fans for individual rooms with the interactive thermostat.

Time scheduling

Create different schedules with up to 6 actions a day for 7 days and activate specific operation modes.

Energy usage

icons help you see where you can save.

If this, then that*

Programme your unit to reflect your lifestyle. Connectable with different appliances via the iFTTT platform, you can control all element of your home from a distance. For example: If you leave your house, then your heating will turn off.

*not applicable for heating products

BLUEVOLUTION range

Thinking beyond today

From 2025 on, the European F-gas regulation prescribes the use of refrigerants with a GWP below 750 for all pair split air conditioner installations with a refrigerant charge below 3kg. R-410A (GWP 2087.5) will remain available for other applications and service.

Daikin first introduced R-32 in 2012. Its low GWP of 675, competitive energy efficiency, safety and affordability make it very attractive. From 2016 Daikin offers you a unique Bluevoltuion range of pair and multi units that once again sets the benchmark for residential air conditioning. An intelligent and fresh design combines leading efficiency values with top comfort features.

An old friend who doesn't make trouble

Using R-32 is not unknown territory because R-410A is a blend of 50 % R-32 and 50 % R-125. Additional benefits of using the single component refrigerant R-32 include the prevention of fractioning or gliding problems and easier recharging and recycling.

Handling as you like it: With working pressures similar to R-410A, the possibility to charge in both liquid and gas phase, and the availability of tools suitable for both R-32 and R-410A equipment, deciding for the Daikin Bluevolution range is easy.

Which system should you choose?

What is the best solution for you?

› The best solution for you is one which matches your requirements perfectly and is designed specifically for your house
› Whether you are building a new house or renovating an old farm, Daikin offers specific solutions which optimise efficiency, depending on the size and layout
› Combining heating, cooling, domestic hot water, with or without solar energy, anything is possible
› A licensed Daikin installer will help you to make the right choice

For new homes or large renovations

1. You want to heat or cool a particular space quickly

Daikin recommends:
for heating and cooling: **Daikin air to air heat pump** (page 12)
for heating, cooling and hot water: **Daikin Altherma hybrid heat pump + multi** (page 27)

2. You want to work with underfloor heating and/or low temperature radiators/convectors.

Daikin recommends:
for heating, cooling and hot water: **Daikin Altherma low temperature** (page 22)
for heating and hot water: **Daikin Altherma ground source heat pump** (page 28)

For replacement and/or optimisation of an existing system

1. You want to heat or cool a certain space quickly.

Daikin recommends:
for heating and cooling: **Daikin air to air heat pump** (page 12)
for heating, cooling and hot water: **Daikin Altherma hybrid heat pump + multi** (page 27)

2. You want to replace your heating oil boiler but wish to keep your existing radiators.

Daikin recommends:
for heating and hot water: **Daikin Altherma high temperature** (page 24)
or Daikin Altherma ground source heat pump (page 28)

3. You want to replace your gas boiler but wish to keep your existing radiators.

Daikin recommends:
for heating, cooling and hot water: **Daikin Altherma hybrid heat pump** (page 26)
for heating and hot water: **Daikin gas condensing boiler** (page 32)

4. You only want domestic hot water.

Daikin recommends:
for hot water: **Daikin domestic hot water heat pump** (page 30)

Daikin air to air heat pumps:

Air conditioning redefined: get into the comfort zone with our stylish units, wide range of models and easy control via app

Ururu Sarara, the best of the best

A new level of sophistication in air conditioning with five air treatment techniques which provide a total comfort solution.

Stylish, where innovation meets creativity

Available in white, silver and blackwood, Stylish brings together excellent design and technology to deliver an award winning climate solution for any interior.

Daikin Emura, form and function redesigned

This award-winning European design unit is available in two stylish finishes, silver and anthracite or pure matt white.

Perfera, attractive, wall mounted design with perfect indoor air quality

The enhanced design of Perfera offers a boost in energy efficiency and lower running costs.

Invisible concealed ceiling unit

Keep things clean and uncluttered with a concealed ceiling unit. They are compact enough to fit any interior and can be installed discreetly so that only the air vents are visible.

Floor standing unit

Low enough to be installed beneath a window sill, the unit can be installed against the wall or recessed. It has whisper-quiet operation and distributes the air and temperature efficiently throughout the room.

Ururu Sarara

The best of the best

Ururu Sarara

Why choose Ururu Sarara?

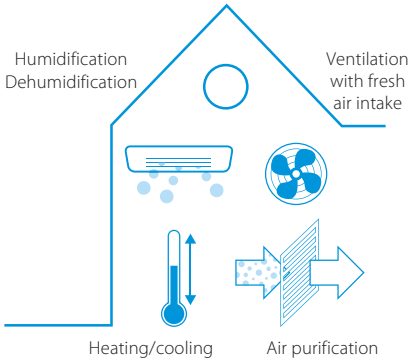
The Daikin Ururu Sarara brings a new level of sophisticated control to air conditioning. It has five air treatment techniques which together provide a total comfort solution. In addition, the Ururu Sarara range has SEER and SCOP A+++ ratings thanks to its energy efficient compressor and heat exchanger. Because of its innovative technology, as well as its design, it won the prestigious Red Dot design award in 2013. The Ururu Sarara can easily be controlled via a smartphone app or a user friendly remote controller.

reddot design award
winner 2013

Comfort

5 air treatment techniques

1 Heating and cooling in one unit, for year-round comfort with the highest energy label available
2 In winter, the **Ururu** function replenishes the moisture in the air to maintain a comfortable feel without unnecessary heating
3 In summer, the **Sarara** function removes excess moisture while maintaining an even temperature thus eliminating the need for extra cooling
4 Ventilation for fresh air even with closed windows
5 Air purification and automatic filter cleaning, for non-stop purified and allergy-free air



Ventilation and air purification

Unlike a conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room at the desired temperature without any thermal loss. The unit's self-cleaning filter collects dirt and particles from the air, which not only keeps your air clean but keeps the Ururu Sarara performing at top efficiency. Daikin's Flash Streamer technology makes sure that the air is automatically purified and odour-free.

Energy efficiency

A+++ in cooling

A+++ in heating

Reliability

BLUEVOLUTION

Higher energy efficiency and lower environmental impact with R-32 refrigerant

Stylish

Designed for comfort

stylish

Most consumers today are looking for an air conditioning system that combines the best of performance and design. With Stylish, Daikin balances function and aesthetic to create an innovative product that suits any interior.

Why choose Stylish?

Stylish brings together excellent design and technology to deliver a total climate solution for any interior. Measuring only 189 mm, Stylish is the thinnest unit on the market in the design segment for wall mounted units and uses innovative features to achieve the best in comfort, energy efficiency, reliability and control.

reddot design award
winner 2018

GOOD DESIGN AWARD 2017

DESIGN AWARD 2018

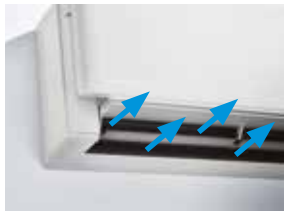
Design

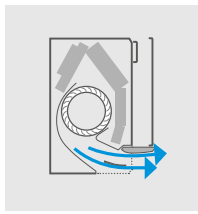
Award-winning design

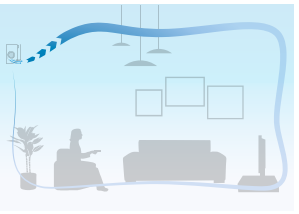
Inspired by its predecessors, Daikin Emura and Ururu Sarara, Stylish earned the Good Design Award and iF Award for its innovative look and functional capabilities. These awards recognise Stylish for its ability to achieve new standards of comfort and energy efficiency in the HVAC-R industry.

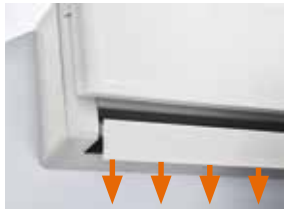
Stylish design benefits

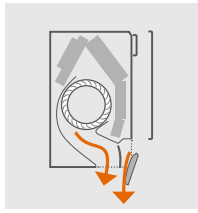
› Users can choose from three distinct colours (white, silver and blackwood)
› Curved corners create an unobtrusive and space-saving design
› Thin dimensions make it the most compact design unit on the market

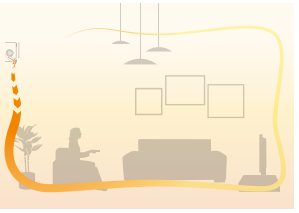












Comfort

Intelligent and efficient design

› Coanda effect optimises room temperature distribution
› Improved fan offers high-efficiency with low sound levels down to 19dBA
› Earns A+++ for heating and cooling
› Easily controlled with Daikin Online Controller
› Perfect indoor air quality: the flash streamer captures viruses and allergens leaving you with a more clean indoor environment

The Coanda effect

Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

How it works
Stylish determines the airflow pattern based on whether the room needs heating or cooling. When Stylish is in heating mode, two flaps will direct air downward (vertical airflow), while in cooling mode the flaps will move air upward (ceiling airflow).
By creating two different airflow patterns, Stylish prevents draughts and establishes a more stable and comfortable room temperature for occupants.

Energy efficiency

Up to A+++ in cooling

Up to A+++ in heating

Reliability

BLUEVOLUTION

Higher energy efficiency and lower environmental impact with R-32 refrigerant

Daikin Emura

Form. Function. Redesigned.

DAIKIN emura

Why choose Daikin Emura

› Top design with two stylish finishes, silver and anthracite or pure matt white
› High seasonal efficiencies up to A+++
› Whisper quiet sound levels as low as 19 decibels.
› Control via a smartphone app or a user friendly remote controller

Design

The Daikin Emura is the result of ongoing research into creating superior air conditioning solutions for European interiors. The new generation's extra functions make it even more suitable for European homes. This has been confirmed by the fact that the Daikin Emura is the winner of the prestigious iF Design Award, Reddot design award 2014, German Design Award - Special Mention, Focus Open 2014 Silver and Good Design Award 2014

reddot award 2014 winner

GOOD DESIGN AWARD 2014

Focus Open 2014 Silver

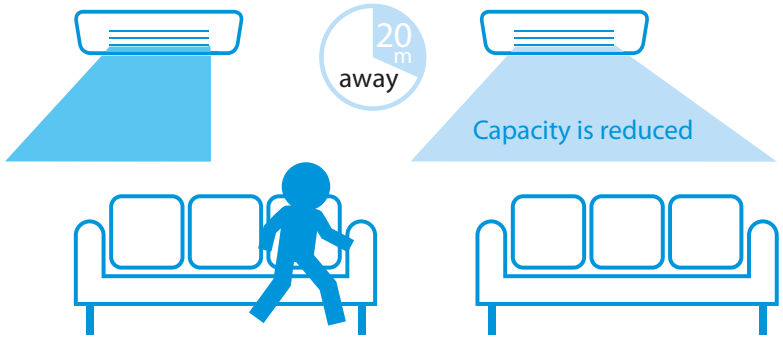
German Design Award SPECIAL MENTION 2015

DESIGN AWARD 2015

Comfort

2-area intelligent eye

The two-area intelligent eye sensor controls comfort in two ways. If the room is empty for 20 minutes, it changes the set point to start saving energy. As soon as someone enters the room, it immediately returns to the original setting. The intelligent eye also directs air flow away from people in the room to avoid cold draughts.



Energy efficiency

Up to A+++ in cooling

Up to A++ in heating

Reliability

BLUEVOLUTION

Higher energy efficiency and lower environmental impact with R-32 refrigerant

Perfera

The feel-good vision of the future with standard WiFi

Why choose Perfera

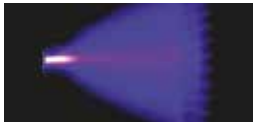
The enhanced design of the Perfera FTXM-N offers a boost in energy efficiency over previous models. This gives it best-in-class performance, with seasonal efficiency values to A+++ and lower running costs.

Comfort

This reliable performance will meet the new extremes of the European climate. 3-D air flow and 2-area motion detection sensor create perfect and non-invasive air flow.

Better air quality with the Daikin Flash Streamer

This all-in-one heating and cooling unit purifies the air all year round. Using electrons to trigger chemical reactions with air molecules, the flash streamer captures moulds, viruses and allergens, leaving you with a cleaner indoor environment.



flash streamer
ONLY BY DAIKIN

Energy efficiency

Up to A+++ in cooling

Up to A++ in heating

Reliability

BLUEVOLUTION

Higher energy efficiency and lower environmental impact with R-32 refrigerant

Striving to be the lowest CO_2 equivalent manufacturer

Introducing the next generation VRV

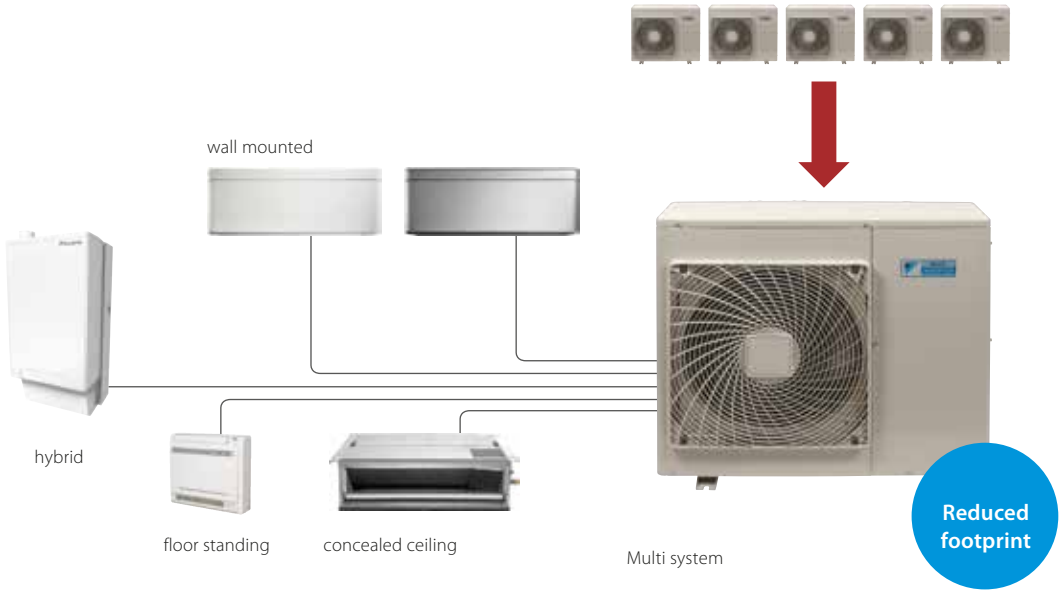
- CO_2 equivalent reductions thanks to the use of lower GWP refrigerant
- Breakthrough technologies reducing refrigerant charges
- Facilitating circular economy of refrigerants, encouraing reuse
- Achieve sustainabiliy over the entire lifecycle thanks to market leading efficiencies

Daikin Multi Solutions

Heating and cooling different spaces with one outdoor unit

Great installation flexibility and wide choice

- ☑ Very wide range of outdoor units, to which up to 9 indoor units can be connected, including a hybrid heat pump.
- ☑ It is possible to combine different types of indoor units.



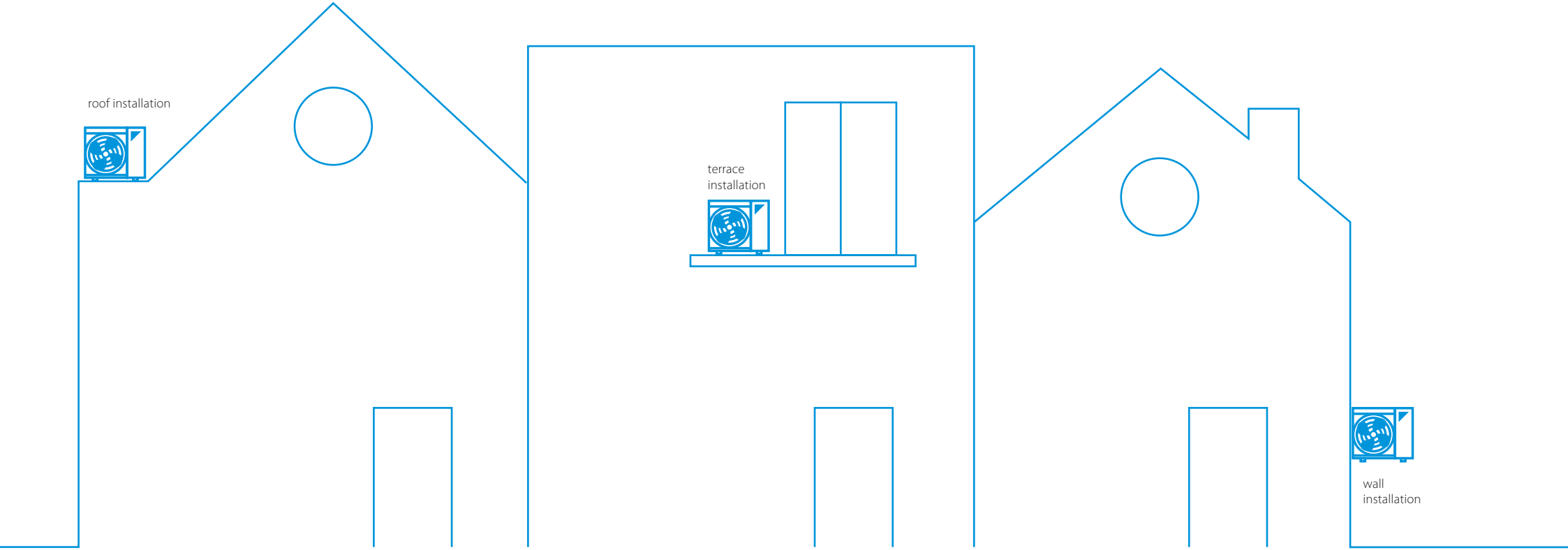
Different types of indoor units with different capacities can be connected to a Multi system. The choice is yours to select the ideal indoor unit for the bedroom, living room, office or any other room, depending on its size or your personal requirements.

- All indoor units can be individually controlled.
- Low noise and high energy efficiency. Achieves A++ energy efficiency label for heating and A+++ for cooling.

Up to A+++ cooling

Up to A++ heating

- The discreet, robust outdoor units can be easily installed on a roof or terrace, or simply on the outside wall.



Daikin Altherma 3

low temperature

BLUEVOLUTION

DESIGN AWARD 2018

reddot design award winner 2018

Energy efficient heating, cooling and hot water solution for new builds and low-energy houses

Comfort

Heating
Heat pumps extract existing heat from the air, which makes heating your home an energy efficient process

Cooling
Powered by renewable energy sources, heat pumps cool your home without consuming large amounts of energy

Hot water
With one heat pump system, Daikin Altherma low temperature uses renewable energy to supply enough hot water for six showers

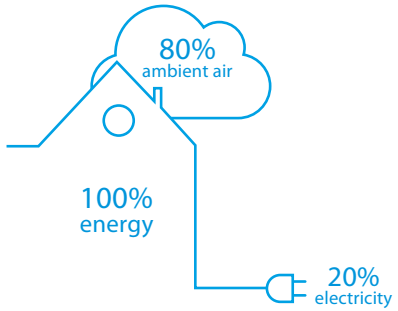
Connectivity
Always in control, control your heating system from any place, at any time

Energy efficiency

A+++*

Powered by renewable energy
By extracting renewable energy from the air, our Daikin Altherma low temperature heats, cools and provides you with hot water in a sustainable way.

- Powered by **75%** renewable energy extracted from the air and **25%** electricity
- Achieves **A++** energy efficiency label for heating
- Optional solar support can produce up to **70%** of the energy that your heat pump and boiler needs



Reliability

- Flexible solutions: split floor standing, split wall mounted and monobloc unit
- Uses the ECH$_2$0 principle* to provide superior water sanitation
- Incorporates advanced technologies and frost protection features to prevent ice buildup

*(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature offers a wide range to adapt to your needs

› **Best seasonal efficiencies providing the highest savings on running costs**
› **Perfect fit for new builds, as well as for low-energy houses**

Floor-standing unit with integrated domestic hot water tank

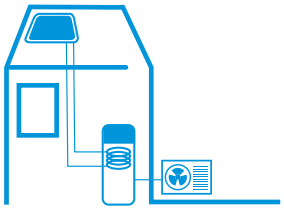
Compact and yet 100% comfort guaranteed

› All components and connections are factory mounted
› Very small installation footprint required (only 0,36m^2)
› Minimum electrical input with constantly available hot water
› Cooling option
› Bi-zone option: two temperature zones automatically regulated by the same indoor unit

Wall mounted unit

High flexibility for installation and domestic hot water connection

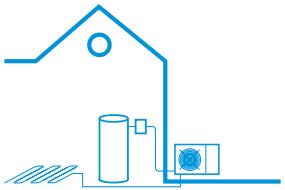
› Compact unit with small installation space (almost no side clearance is required)
› Can be combined with a separate domestic hot water tank of up to 500 litres, with or without solar support



Integrated ECH$_2$0

Maximising renewable energy with top comfort for hot water preparation

› Solar support for domestic hot water
› Lightweight plastic tank
› Bivalent option: can be combined with a secondary heat source
› App control available



Monobloc outdoor unit

Ideal when indoor space is limited

› Compact monobloc for space heating and cooling with optional domestic hot water
› Fuss-free installation: only water and electricity connections are required
› Frost protection features ensure reliable operation down to - 25°C (outside temperatures)

ECH$_2$O

domestic hot water comfort

Domestic hot water plays an important part in achieving the ultimate comfort at home. With Daikin's ECH20 range of thermal stores, you can rely on almost instantaneous domestic hot water at any time. Easy to install and energy efficient, the ECH20 range maintains high standards of water sanitation and safety.

› **The fresh water principle:** Domestic hot water production on demand means fresh water at all times, while simultaneously preventing the risk of contamination and sedimentation
› **Optimum domestic hot water performance:** The slow temperature evolution avoids sudden temperature drops and allows excellent flow from the taps
› **Fit for the future:** It can be integrated with renewable solar energy and other heat sources, e.g. fireplace or existing boiler
› **Flexible installation options:** Lightweight, robust and easy to handle, combined with accessible connection to a series of heat pumps working as one (easy cascade)

Daikin Altherma

high temperature split

The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators

Non-stacked

Stacked

Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers.

› Easy replacement: reuse existing piping/radiators
› Reduced installation time
› Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
› No need to change existing radiators and piping as water temperatures can be increased up to 80°C for heating and domestic hot water use

Whether you only want domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

› Available in 200 or 250 litres
› Efficient temperature heating: from 10°C – 50°C in only 60 minutes*

*Test completed with a 16 kW outdoor unit at ambient temperature of 7°C for a 200 litre tank

ECH$_2$O thermal store*: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.

*For more information, see page 17

Energy efficiency

Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

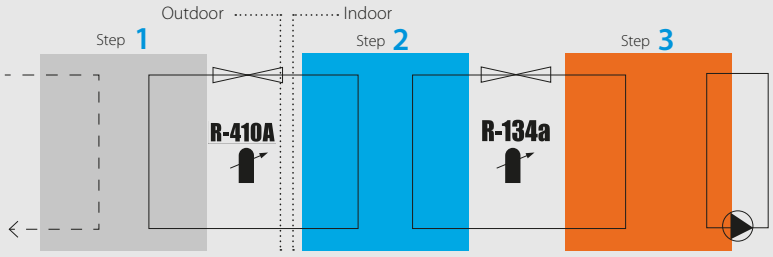
Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

› 11-15 kW capacities
› Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
› Works with existing high temperature radiators up to 80°C without an additional backup heater

Cascade technology

High performance heating in 3 steps to achieve 80°C water temperature without using an additional backup heater



1 **The outdoor unit** extracts heat from the ambient outdoor air. This heat is transferred to the indoor unit via R-410A refrigerant

2 The **indoor unit** increases the temperature with R-134a refrigerant

3 The **refrigerant circuit** transfers the heat to the water in the system

Daikin Altherma R Hybrid heat pump

The Daikin Altherma hybrid heat pump is the ideal solution to replace your old gas boiler.

Heat pump outdoor unit

Heat pump indoor unit

Comfort

Heating

A Daikin Altherma hybrid heat pump automatically determines the most economic and energy efficient heating combination

› **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures
› **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort
› **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

Hot water

The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers

Cooling

Incorporate cooling for a total solution that integrates seamlessly with underfloor heating or radiators

Quick and easy installation

As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install

Investment benefits

› Combines with existing radiators; reducing the cost and disruption of installations
› Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
› Possible to connect to photovoltaïc solar panels to optimise self-consumption of the electiricy produced

Energy efficiency A++

The ideal combination

Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

Supported by renewable energy

When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

Hot water produced with gas condensing technology

Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers

› Cold tap water flows directly into the heat exchanger
› Optimal and continuous condensing of the flue gases during domestic hot water preparation

Reliability

› Low investment cost with no need to replace existing piping and radiators
› Low running costs for heating and domestic hot water
› Compact dimensions
› Ideal for renovation applications
› Easy and fast installation

Daikin Altherma R Hybrid heat pump

+ multi

BLUEVOLUTION

The Daikin Altherma hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

Multi features

- ☑ Equipped with Bluevolution technology
- ☑ 3, 4 and 5 ports for multi outdoor units
- ☑ Combinable with different split indoor units:
  - › Daikin Emura
  - › Perfera FTXM
  - › FTXP
  - › FDXM
  - › FVXM

  One port can be used for hot water production
- ☑ Control with Daikin Online Controller app

Daikin Altherma H Hybrid

heat pump

Heat pump

H_2O

Condensing Boiler

Environmentally friendly

› Reduced environmental impact thanks to the usage of **R-32 refrigerant**

› Outdoor unit with **sealed refrigerant circuit**, which greatly reduces the risk of refrigerant leakage

Safety in every conditions

The unit can work down to -15°C outside thanks to multiple freeze-up protections.

BLUEVOLUTION

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Flexible installation

Compact indoor unit can be installed in a cupboard.

Condensing technology

The condensing technology uses optimum fuel efficiency, with reduced emissions of NOx and CO, to ensure high cost savings and environmentally-friendly operation.

The hydrosplit concept, the best of 2 worlds

Daikin Altherma 3 GEO

ground source heat pump

The Daikin Altherma ground source heat pump uses stable geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.

650mm x 600mm x 1880mm

Comfort

Quick and easy installation

› Full integration of the heat pump module and factory-fitted domestic hot water tank reduces installation time
› Pipework connections are placed on the top of the unit for accessibility
› Lightweight unit is easy to transport and install

Compact design

› No larger than an average household appliance, the unit's sleek design fits neatly in any standard room
› Requires only 10 mm of side clearance

Energy efficiency

Powered by **80% renewable energy** extracted from the ground and 20% electricity, our Daikin Altherma ground source heat pump provides heating and hot water with **A++ energy efficiency**.

Equipped with our signature inverter technology

Our Daikin inverter efficiently controls the unit's motor speed and reduces energy consumption by up to 30%. Rather than expending additional energy by starting and stopping, the inverter adjusts the speed of the motor so that it runs continuously and more efficiently in the long run.

› Increases brine temperatures during partial load operation
› Reduces backup heater operation to a minimum
› Reaches high operating efficiencies during partial load operation

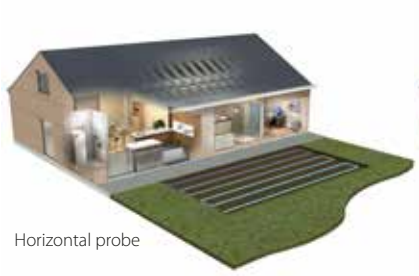
Reliability

For new homes and large-scale renovations

By extracting energy from below the Earth's surface, ground source heat pumps are extremely reliable, even in the coldest climates. Ground temperatures remain fairly stable throughout the year, making it an ideal renewable energy source.

Reliable climate control

Ground source heat pumps horizontally and vertically extract renewable energy from the heat in the ground. The installation requires land area, but significantly reduces your carbon footprint and helps you save on energy costs in the long run.



Horizontal probe

Vertical probe

Daikin Altherma R HW

domestic hot water heat pump

The split domestic hot water heat pump is the ideal replacement for an electric domestic hot water tank to provide semi-instantaneous hot water.

Comfort

Fresh water principle:

› Domestic hot water production on demand means fresh water at all times
› Minimum volume of stored domestic hot water prevents the risk of contamination and sedimentation

Easy installation

› No water tank pressure and limited pressure in the heat exchanger
› Low maintenance: no anode means no scale and lime deposits or corrosion
› Compact and designed with additional controls for easy installation and maintenance

Reliability

› Electrical backup (2.5 kW) ensures hot water under all circumstances; the 500l tank can also be equipped with an external hydraulic backup
› The ECH_2O* thermal store is engineered to provide you with fresh, healthy and safe hot water
› By just using the heat pump, the temperature of the water can reach up to 55°C and its production is guaranteed down to -15°C

*For more information, see page 23

Energy efficiency

› Heat pump extracts renewable energy from the outside air to produce hot water
› Increase energy saving and efficiency by connecting the unit to solar panels

Daikin Altherma M HW

monobloc domestic hot water heat pump

The high performance monobloc domestic hot water heat pump is the newest addition to the Daikin water heater range. Enhanced hot water comfort with quiet operation, easy handling, flexibility of installation and different integration possibilities. Perfect for renovation and new build.

High performance

› Delivering high comfort hot water of temperatures up to 55 °C with the heat pump only
› Among the most quiet with 53 dBA sound power and 36 dBA at 2meters
› High tapping rate L, XL for guaranteeing maximum domestic hot water flow
› A+ seasonal energy efficiency

Renewable power

› Produces domestic hot water by extracting energy from the outside air
› For the 260 liter an extra coil possibility exists for solar water heating
› The monobloc can be standard connected to a PV installation severely minimizing running costs

Easy to install and control

› All components are built-in and ready to work
› Compact sizes and low weight, which make it easily manoeuvrable through small doors and spaces
› Easy connection, from top or side of the unit, maximizes placing possibilities
› 3 easy operating modes, Eco – Auto – Boost, for your personal preferences

Year-round reliability

› Total thermal power up to 3.4 kW ensures optimal hot water comfort
› Wide operation range: down to -7 °C outside temperature with the heat pump unit, and below -7 °C with electrical heating element support
› Guaranteed optimal comfort by heat pump up to 38 °C outside temperature

Why choose a Daikin boiler

reddot design award winner 2018

Daikin's gas condensing boilers are the best option to replace your existing boiler with a more energy efficient and cost-saving alternative. Both the floor standing and the wall mounted boilers provide you with reliable performance and efficient heating and hot water.

Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range, but also possible with a separate thermal store featuring the ECH$_2$0 tank.

Energy efficiency

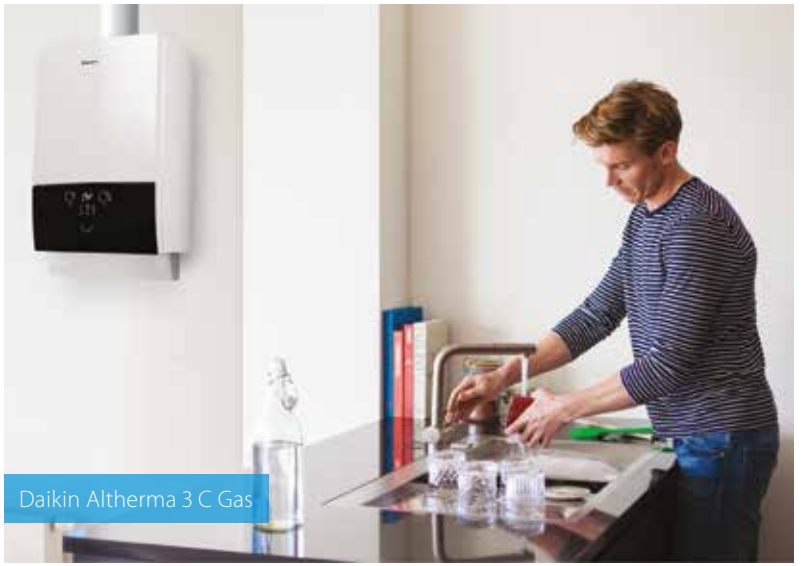
Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 107% more energy efficiency by using renewable energy to produce hot water.

Reliability

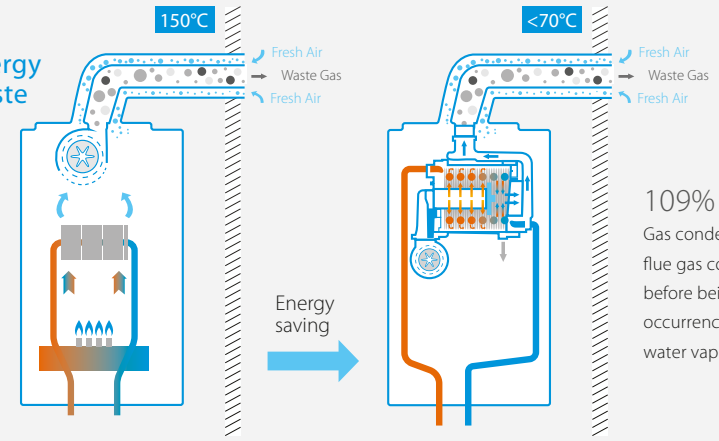
Easy installation and service

All parts are accessible from the front and are low maintenance due to the gas-adaptive combustion system Lambda Gx, a fully electronic gas-air combination. The Lambda Gx is compatible with wall mounted and floor standing units.



Daikin Altherma 3 C Gas

Daikin Altherma C Gas ECH2O



93% Efficiency

Conventional combi boilers: Water vapour is discharged through the flue in vaporising phase and latent heat within the water vapour is ignored.

109% Efficiency

Gas condensing combi boilers: the flue gas collides with influent water before being discharged. Due to this occurrence, latent heat within the water vapour is then released.

Our new oil condensing boiler is the ideal replacement of an old boiler.

Comfort

With a footprint of only 0.42m^2, the oil condensing boiler provides heat at all times, and can be connected to an ECH_2O thermal store to provide hot water.

Reliability

All products are tested and meet the criteria of the Ecodesign Directive. Perfectly matched in terms of their individual components, our complete systems provide both maximum convenience and the highest safety standards.

Energy efficiency

The oil condensing boiler adjusts its capacity easily to the required heat (modulation function), resulting in low running costs.

Daikin Altherma C Oil

Notes

Notes

Daikin, your contribution to the environment

When you choose a Daikin air conditioner, you are also thinking of the environment. When we produce your heat pumps, we do our utmost to recycle, reduce waste and use renewable energy. Besides that, Daikin avoids the use of lead, mercury, cadmium and other materials that are harmful to the environment.

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