DAIKIN

Energy for Change

Homeowner brochure

Sustainable Home Network


For home comfort
without compromise
Trust Daikin

There are many things which make up the perfect home. Living with people you care about. Feeling secure. Being comfortable. And at Daikin, we're helping UK homeowners achieve complete home comfort, with high-performing heat pump technology.

We've been dedicated to technological excellence for more than 90 years, offering the most efficient heating, ventilation and air conditioning solutions on the market. So our customers can experience purer air and tailored comfort in their homes. Plus, all our world-leading technology is built with reliability in mind, so that peace of mind lasts for years to come.

And we're not just committed to the future of home comfort: we're committed to the future of our planet. And we're doing everything we can to make a positive change.

By choosing our innovative heat pump technology, you'll be at the forefront of the UK's renewable heat movement.

More than 900,000 Daikin Altherma renewable heating systems have already been sold across Europe – and millions more homeowners have already placed their trust in Daikin for their home comfort needs.

When you choose a Sustainable Home specialist to install one of our heat pumps, not only can you save money in the long run: you'll be making a powerful change for a better future – for you, for your family, and for the planet.

Experience complete comfort without compromise, with Daikin technology. Together, we can all make a difference, and discover our own energy for change.

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The path to a better future

The science on climate change is clear: human activity has led to global temperatures rising by 1°C. While it might not sound like much, without swift action the impact of crises such as rising sea levels, crop failures and loss of biodiversity will be felt worldwide.

But positive change is already in motion.

Many of us are already doing our part to live more sustainably. You might recycle, compost your leftovers, cycle a little more or consume a little less.

And by 2050, the UK Government has set a target of net zero greenhouse gases in the UK. So low-carbon electricity generation is on the rise. Renewable wind and solar energy generation is growing. Already it's all helping us experience cleaner air, improved wellbeing and a healthier planet.

To ensure we reach our climate goals on time, gas heating for new houses will be phased out from 2025. More and more of our homes will rely on electricity and renewables for our heating and hot water, as we make the mass transition to low-carbon heating.

Heating your home?

It's time for change

You can kickstart positive change, today, by making the switch to Daikin heat pump technology.

By using renewable heat to warm your home, you'll enjoy all the comfort and control you expect, and save energy, while minimising your impact on the planet.

Whether you're retrofitting our technology to an older property, or looking to improve the carbon footprint of your modern home, we have a range of solutions designed to suit your needs – and our experts are on-hand to guide you at every stage.

In this brochure, you'll find answers to the most common questions our customers ask, including:

› How do I know a heat pump is right for my home?

› How do I decide which technology is best for me?

› How much will it cost?

Plus, we've included information about our full range of Daikin products, how they're installed and what government support is available to help you make this change.

Because together, we can all do the right thing: for people, the planet and our future.

Why choose a Daikin heat pump?

A heat pump heats your home and provides hot water by extracting heat from the air, ground or a water source. It's a sustainable, environmentally friendly heating solution for your home – and its benefits will last for generations to come.

A heat pump could replace your boiler and simply be connected straight into your existing central heating system. It's one positive change which reduces your environmental impact, saves on your energy consumption – and could lower your bills, too.

If your home is heated by oil, LPG or electricity, your running costs could be significantly lower when you choose Daikin. For every kilowatt of electricity the Monobloc uses, it generates between 3 – 4 kilowatts of renewable heat from the air – that's 300 – 400% efficiency.

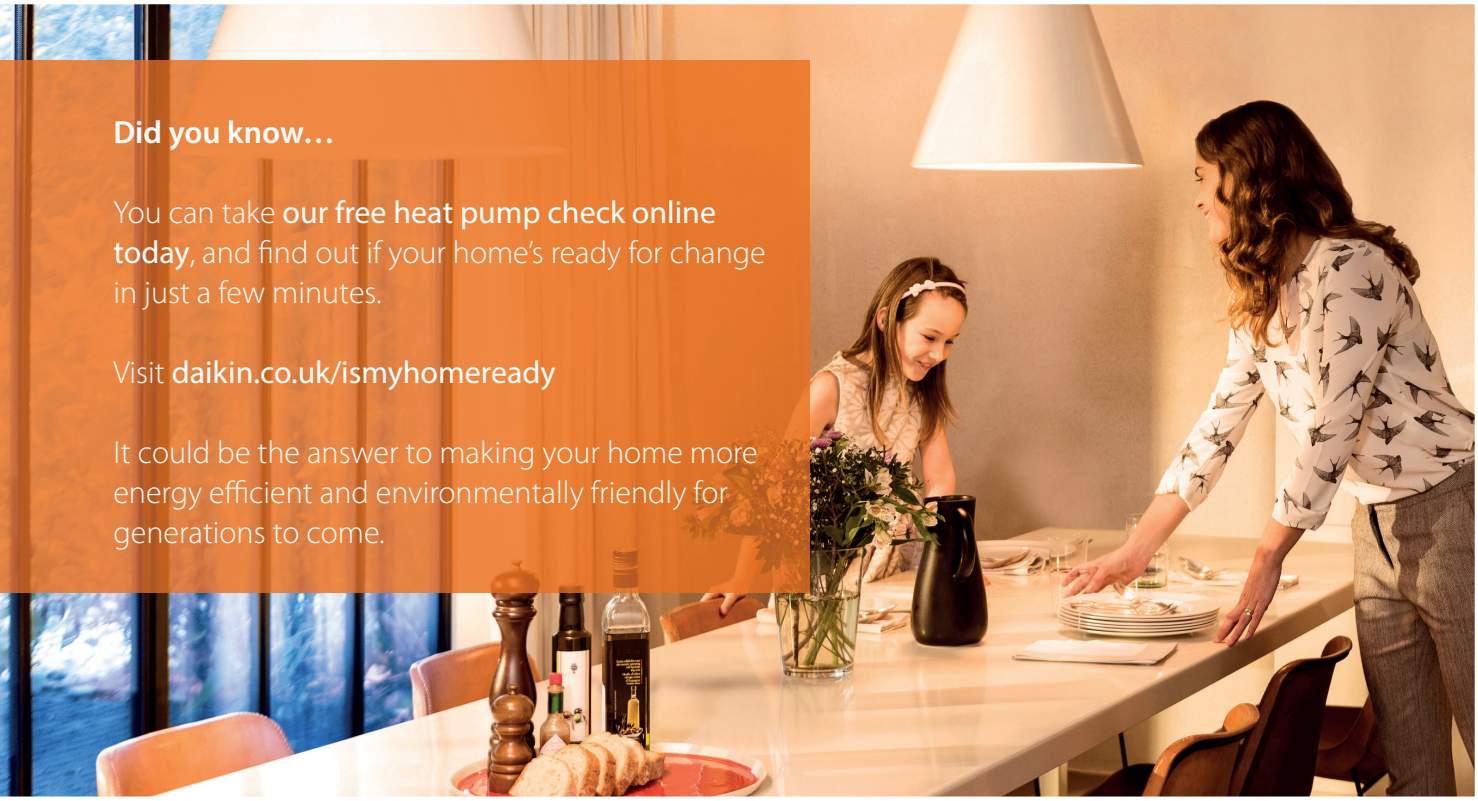
No gas? No problem!

Four million homes in the UK today are not connected to mains gas. And from 2025, the number of households without gas fired heating will rise, as gas boilers are phased out of new homes.

Eventually, we'll all need to find low-carbon ways to heat our homes. Daikin heat pumps are a reliable, eco-friendly and high-performance alternative. So there's no need to compromise on comfort, quality, or on your commitment to the environment.

Reduce your carbon emissions for good

By using renewable heat from a Daikin heat pump, you're significantly reducing your environmental impact. In fact, you could reduce your home's carbon footprint by 2.9 tonnes every year compared with using an oil boiler[1] – that's a massive impact, even more than living car free, which saves an average of 2.04 tonnes of CO_2 equivalent per person annually.[2]



Did you know…

You can take **our free heat pump check online today**, and find out if your home's ready for change in just a few minutes.

Visit **daikin.co.uk/ismyhomeready**

It could be the answer to making your home more energy efficient and environmentally friendly for generations to come.

[1] Carbon savings calculated in Daikin Heating Solutions Navigator report, based on the capacity requirements of a two storey, four-bedroom detached house, 150 sq.m, built between 1991-2005, in the Midlands, with a heat loss of 8.86 kW.

[2] Source: Centre for Research into Energy Demand Solutions

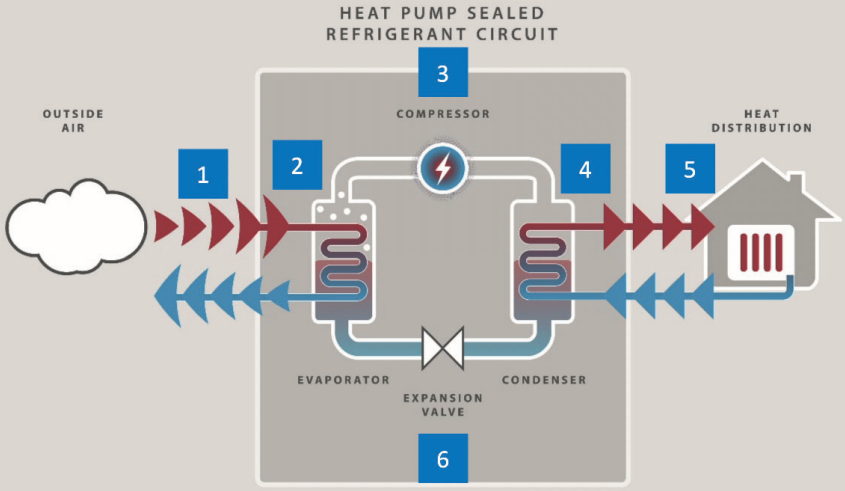
How do

heat pumps work?

A heat pump extracts energy from one place – the air, ground or water – and transfers it to your home in an effective, sustainable way.

A heat pump works pretty much like a fridge in reverse. In a fridge, heat is extracted from inside the fridge so that it feels cold inside and is released externally – which is why the coil on the back of your fridge feels warm. A heat pump works the other way around by extracting heat from the outside air and releasing it into a central heating system to warm a home.

Here's how it works:



1. Air is blown across an evaporator, where heat energy from the air is absorbed by a sealed refrigerant circuit
2. The heat energy absorbed increases the refrigerant temperature and the refrigerant evaporates from a liquid to a gas, storing the captured energy
3. The refrigerant gas passes through a compressor where it is pressurised, increasing its temperature even more
4. The refrigerant gas passes into a condenser where the refrigerant cools and condenses back into a liquid, releasing the heat energy
5. The released heat is transferred into the home's heating and hot water circuit
6. The refrigerant passes back through an expansion valve to begin the whole process again.

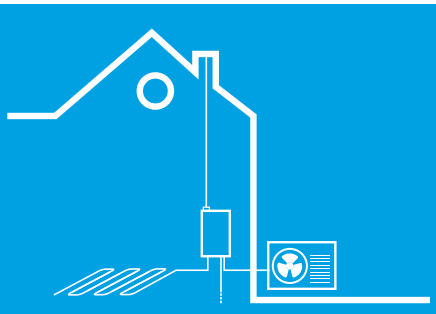
The eco-friendly answer to heating your home

There are a few different types of heat pump. But they all have one thing in common: they're powered mainly by renewable energy, making them one of the most economical and eco-friendly heating solutions available today.

At Daikin, we recommend air-source heat pumps for UK homeowners looking to make a positive change.

We design some of the world's most eco-friendly, powerful air-to-water and air-to-air heat pumps – for minimum disruption to your everyday, and maximum benefit for your family.

Which kind of heat pump is right for me?

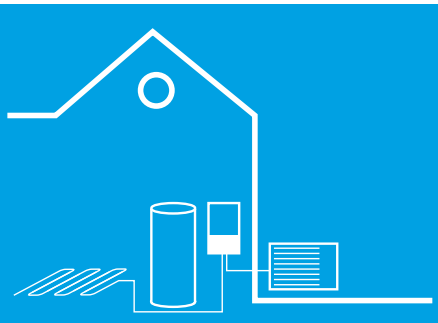


Hybrid system

› For heating and hot water

› Powered by an optimal combination of air, electricity and gas depending on seasonal conditions and energy prices

› Ideal for renovations and replacing old gas boilers



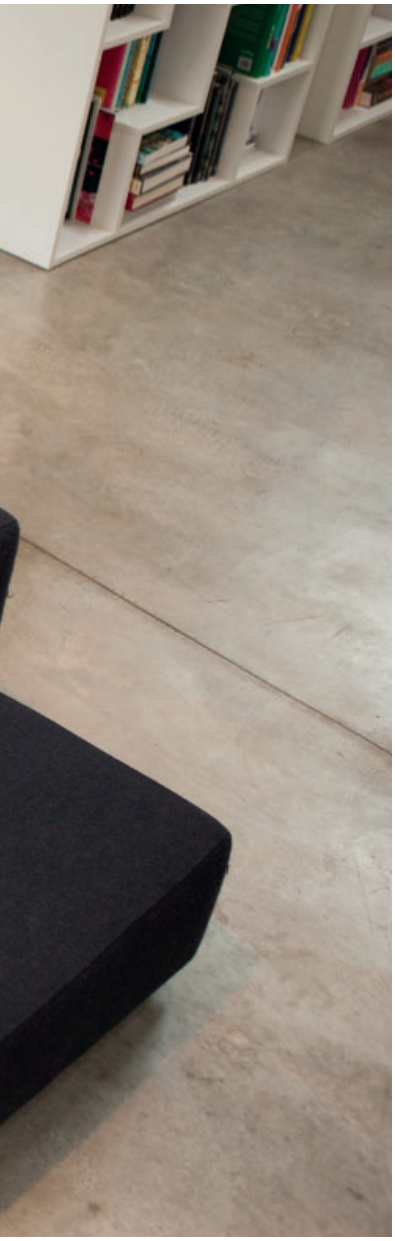
Air-to-water – high temperature

› For heating, hot water and optional cooling

› Typically powered by 75% air and 25% electricity

› Optional solar support

› Connects to existing piping system and high temperature radiators



In the UK, we live in houses of differing ages, shapes and designs – situated in a wide variety of environments – and we each have different hopes and dreams for our futures and individual plans for our home.

All of the following factors affect which heat pump system might be your best option:

Is your home on or off the gas grid?

Heat pumps can be fitted in homes both on and off the gas grid, but homes off the grid are usually more expensive to heat with higher carbon emissions. Off-grid homes have the most potential to save on fuel bills and decrease carbon emissions.

How old and energy efficient is your property? Is it well insulated?

This will affect your choice of technology. In a new or recently built home which is well insulated, there is less heat loss from your property, so the heat pump can heat your home effectively at relatively low temperatures.

Will you be keeping your existing radiators and other 'heat emitters'?

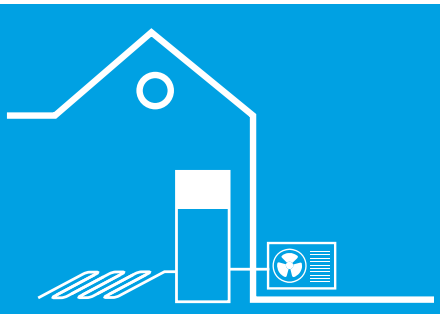
This will affect your choice of technology. If you are keeping your existing radiators, they may operate at higher temperatures than modern heat systems, so you may need a heat pump that can achieve relatively high temperatures to heat your home effectively.

Are you planning a full property renovation, or light refurbishment?

Do you want a whole new heating system, or simply to replace your boiler? This will affect your choice of technology.

Are you undertaking a self-build project to create your dream home?

If so, you may have more options about which technology you choose in order to create the most versatile and efficient system to future proof your dream home.



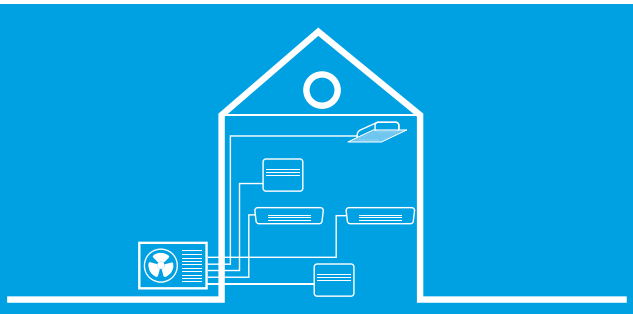
Air-to-water – low temperature

› For heating, hot water and optional cooling

› Typically powered by 75% air and 25% electricity

› Optional solar support

› Ideal for new homes and energy efficient buildings



Air-to-air

› For heating and cooling

› Typically powered by 80% air and 20% electricity

› Ideal for new homes, energy efficient buildings and replacing old electric heating systems

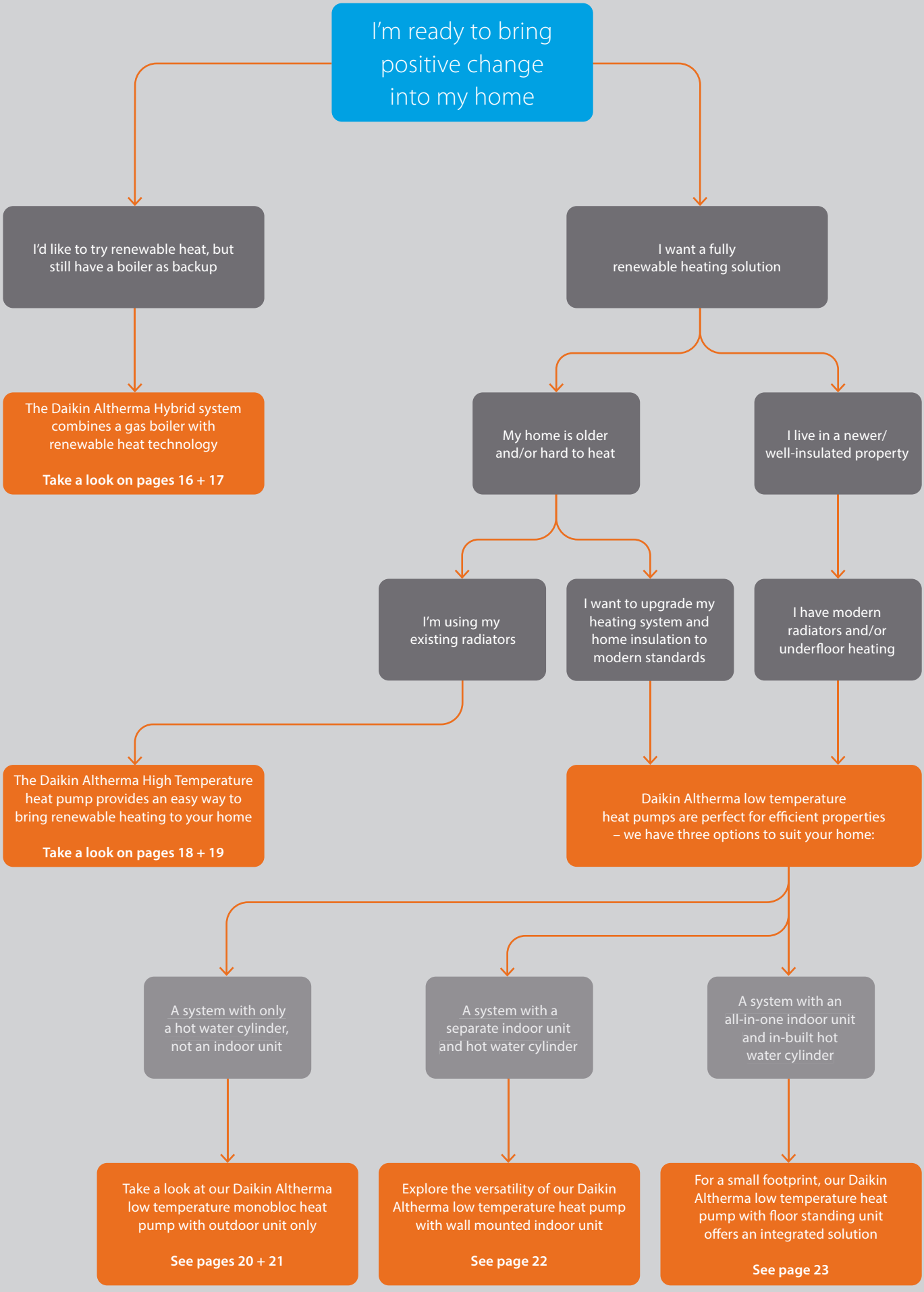
Helping you make the right decision

Take a look at our decision guide, to help you choose the best system for your property type, your lifestyle and your home environment.

Find the best heating solution for your home

Request an appointment with a Sustainable Home Expert:
daikin.co.uk/energyforchange/booknow

Find your nearest Sustainable Home Centre at
daikin.co.uk/energyforchange/findus


I'm ready to bring positive change into my home
I'd like to try renewable heat, but still have a boiler as backup
I want a fully renewable heating solution
The Daikin Altherma Hybrid system combines a gas boiler with renewable heat technology
Take a look on pages 16 + 17
My home is older and/or hard to heat
I live in a newer/ well-insulated property
I'm using my existing radiators
I want to upgrade my heating system and home insulation to modern standards
I have modern radiators and/or underfloor heating
The Daikin Altherma High Temperature heat pump provides an easy way to bring renewable heating to your home
Take a look on pages 18 + 19
Daikin Altherma low temperature heat pumps are perfect for efficient properties – we have three options to suit your home:
A system with only a hot water cylinder, not an indoor unit
A system with a separate indoor unit and hot water cylinder
A system with an all-in-one indoor unit and in-built hot water cylinder
Take a look at our Daikin Altherma low temperature monobloc heat pump with outdoor unit only
See pages 20 + 21
Explore the versatility of our Daikin Altherma low temperature heat pump with wall mounted indoor unit
See page 22
For a small footprint, our Daikin Altherma low temperature heat pump with floor standing unit offers an integrated solution
See page 23

Understanding the funding available

Because making a change and choosing fossil fuel alternatives is so critical, the government is incentivising homeowners who choose renewable energy sources to heat their homes. And that includes those choosing to install a Daikin heat pump.

Here are three key ways you can offset the cost of your installation, and earn money back from the government.

1. Domestic renewable heat incentive (RHI) scheme

The Domestic RHI is a UK Government financial incentive set up to encourage the use of renewable heat. Its aim is to cut carbon emissions and help the UK meet its renewable energy targets.

The Domestic RHI offers quarterly payments over seven years, according to a set of tariffs based on the type of system installed. This helps to offset the higher upfront cost of installing a renewable heating system, compared with a typical boiler.

For more information, search **"UK Renewable Heat Incentive".**

2. Assignment of rights

To completely avoid the upfront cost of a renewable heating system, there's an option to choose an assignment of rights (AoR).

This option allows an investor to help fund the purchase, installation and maintenance of a renewable heating system. In return, the rights to any RHI payments are assigned to them. You can search for the **"essential guide to assignment of rights"** on Ofgem's website – **www.ofgem.gov.uk**.

3. Metering and Monitoring Service Package (MMSP)

A Metering and Monitoring Service Package involves having a set of heat meters, electricity meters and temperature sensors installed on your heating system. This checks how well your system is performing, and helps to inform future research on the performance of heat pumps.

You could receive an up-front payment of £805, plus £115 per year for seven years, making a total of £1,610. For more information, search the Ofgem website for **"metering and monitoring service package".**

Key questions about

the Domestic Renewable Heat Incentive

Is my home eligible for the Domestic Renewable Heat Incentive?

The scheme is open to people living in England, Scotland or Wales – but not in Northern Ireland or the Channel Islands – and is available for homes which are on or off the gas grid.

What systems are included in the Domestic Renewable Heat Incentive?

The Renewable Heat Incentive is available for:

› Air source heat pumps

› Solar thermal panels

› Ground source heat pumps

› Biomass boilers

To be eligible, a heat pump can only be used to heat rooms via a 'liquid medium' (e.g. through a radiator, underfloor heating or heat pump convector). This means air-to-air heat pumps are not eligible for the RHI.

How much will I get paid by the Domestic Renewable Heat Incentive?

For air-to-water heat pumps, the Domestic Renewable Heat Incentive payments are based on a tariff of 10.85p per kWh*. This figure is then multiplied by the Annual Heat Demand figure listed on your Energy Performance Certificate (EPC).

Tariffs are adjusted in line with the Consumer Prices Index (CPI), and subject to a cap of 20,000 kWh per year.
To see how much your RHI payments could be, visit **www.gov.uk/renewable-heat-incentive-calculator**

When will I get paid by the Domestic Renewable Heat Incentive?

Your first payment will be made three months after the date you applied and will be set at the tariff rate applicable on that date. Payments are made by Ofgem every three months for seven years, provided you continue to meet the scheme rules.

What are the eligibility criteria?

› The renewable heating system must be certified under the Microgeneration Certification Scheme (MCS). All Daikin Altherma systems are MCS accredited and RHI ready

› To apply, you need an MCS Certificate for your installation and a domestic Energy Performance Certificate (EPC) that's no more than 24 months old for your property

› A heat pump also needs a 'seasonal performance factor' of at least 2.5 – all Daikin Altherma heat pumps exceed this significantly

Do I need metering?

Yes. All Domestic RHI applications need to be metered for performance to measure the electricity it consumes in order to generate heat. Your heat pump installation needs either a standalone or on-board electricity meter, or you'll need to be provided with a Metering and Monitoring Service Package.

Your heat pump will also need to be metered for payment to receive your quarterly RHI payments based on the amount of renewable heat it produces, if:

› You have a Hybrid system (e.g. heat pump and gas boiler combined)

› You have a renewable heating system installed alongside a fossil fuel heating system

› You've lived in your home for less than 6 months before applying to the Domestic RHI

For more information, search the Ofgem website for **"metering for domestic RHI".**

* Correct at time of publication, 1 June 2020

How much will it Cost?

At Daikin, we recommend air-source heat pumps for many UK homes. Our innovative design means they're simple to install, with no expensive groundwork, and in most cases no planning permission required.

The cost of your system depends on a variety of factors, including the size, location and energy efficiency of your home, plus whether you're keeping your existing radiators or investing in a whole new heating system.

To give you an idea of typical costs, here are some examples of what you might expect to pay for a Daikin heat pump installation in a **four-bedroom home:**

Daikin Altherma system for a four-bedroom detached house	Heat pump	Hot Water Cylinder	Installation	Total
Daikin Altherma low temperature heat pump – wall mounted	£4,866	£1,162	£5,208	£11,236
Daikin Altherma low temperature heat pump – floor mounted	£6,349	N/A	£5,008	£11,357
Daikin Altherma low temperature monobloc heat pump	£3,497	£1,162	£5,075	£9,734
Daikin Altherma hybrid heat pump	£4298	N/A	£5,208	£9,506
Daikin Altherma high temperature heat pump	£6,425	£1,162	£5,208	£12,795

For an accurate cost tailored to you, contact your local Daikin Sustainable Home Network professional for a personalised quote.

Kick start your change today

Request an appointment with a Sustainable Home Expert:
daikin.co.uk/energyforchange/booknow

NB: System prices are based on Daikin UK list prices and the individual quotation you receive may vary slightly depending on your installer.

Savings for the environment
while you save too

It's true that a heat pump is initially more expensive to install than a standard boiler. However, compared with running a boiler, there are significant savings to be made.

Carbon savings

If you're concerned about your carbon footprint, the case for heat pumps is compelling. A report featured by the BBC in May 2020 includes heat pumps as one of the top 10 ways to reduce your carbon footprint, reducing carbon emissions by **0.795 tonnes per person every year**[1] – a major change in the right direction.

Our most effi cient heat pump, the Daikin Altherma low temperature system, saves up to 45% of carbon emissions compared to a gas boiler, and 59% of carbon emissions emitted by an oil or LPG boiler – a reduction of up to 46.9 tonnes of carbon emissions from your home over your heat pump's expected 15 year lifetime, compared with using oil or LPG. That's a massive impact, even more than living car free, which saves an average of 2.04 tonnes of CO_2 equivalent per person annually.[2]

Heating system	Annual heating CO_2 emission (kg)	Heating CO_2 emission (kg) over 15 years
Daikin Altherma low temperature heat pump – wall mounted	2,168	32,520
Daikin Altherma low temperature heat pump – floor mounted	2,168	32,520
Daikin Altherma low temperature monobloc heat pump	3,091	46,365
Daikin Altherma hybrid heat pump	2,982	44,730
Daikin Altherma high temperature heat pump	3,517	52,755
3rd party gas boiler	3,995	59,925
3rd party oil boiler	5,295	79,425
3rd party LPG boiler	5,295	79,425

Lifecycle cost savings

We all know heating bills quickly add up. When you install a heat pump, you could save up to **£1,150 per year** compared with an oil boiler and **up to £878** compared with a gas boiler, simply by being more energy efficient. What's more, you can also receive **additional income** from the Renewable Heat Incentive, to even further offset the costs of installing your system, and making your heat pump an even more economical choice. Visit pages 12 – 13 for more details. Over the expected lifetime of your heating system, it's clear to see how a heat pump is a much more economical cost compared with any fossil fuel boiler.

	Installed system cost	Running costs[2]		Government funding offsets cost of system[2]	Total life cycle cost
		Annual	Lifetime (over 15 years)	Renewable Heat Incentive	
Daikin Altherma low temperature heat pump – wall mounted[3]	£11,236	£645	£9,675	-£10,829	£10,082
Daikin Altherma low temperature heat pump – floor mounted[3]	£11,357	£645	£9,675	£10,029	£10,203
Daikin Altherma low temperature monobloc heat pump[4]	£9,735	£710	£10,650	-£10,920	£9,465
Daikin Altherma hybrid heat pump[5]	£9,506	£839	£12,585	-£6,237	£15,854
Daikin Altherma high temperature heat pump[6]	12,796	£978	£14,670	-£9,947	£17,519
3rd party gas boiler[7]	£2,595	£1,523	£22,845	£0	£25,440
3rd party oil boiler[7]	£4,278	£1,795	£26,925	£0	£31,203
3rd party LPG boiler[7]	£2,595	£2,054	£30,810	£0	£33,769

Electricity price: £0.12 / kWh
Natural gas price: £0.043 / kWh
Oil price: £0.051 / kWh
LPG price: £0.058 / kWh

[1] Centre for Research into Energy Demand Solutions

[2] Carbon savings, running costs and RHI payments, as calculated in Daikin Heating Solutions Navigator report, based on the capacity requirements of a two storey, four-bedroom detached house, 150 sq.m, built between 1991-2005, in the Midlands, with a heat loss of 8.86 kW at MCS condition and a kWh rating for space heating of 21,600 kWh.

[3] Low Temperature wall/floor mounted heat pump system calculated at SCOP of 3.48 and design flow temperature of 50°C

[4] Low Temperature monobloc heat pump system calculated at SCOP of 3.56 and design flow temperature of 50°C

[5] Hybrid heat pump system calculated at SCOP of 2.96 and design flow temperature of 55°C

[6] High Temperature heat pump calculated at SCOP of 2.9 and design flow temperature of 65°C

[7] Boiler installed system costs based on median costs in Which? report **https://www.which.co.uk/reviews/boilers/article/buying-a-new-boiler/boiler-prices-how-much-does-a-new-boiler-cost**

Daikin Altherma Hybrid
heat pump system

The best of both worlds

The Daikin Altherma Hybrid heat pump system is designed for those looking to take their first step into the world of eco-friendly home heating.

This two-in-one combination of a familiar gas boiler and renewable heat pump technology make this the smart solution for homeowners looking to make a positive change.

How does it work?

The Daikin Altherma Hybrid heat pump system automatically selects the most efficient mode of operation, choosing between heat pump, gas boiler and hybrid modes.

It means during the colder months, you'll still have the reassurance that having a gas boiler provides, knowing you can boost your home heating quickly and effectively when needed. And during the warmer seasons, you'll experience peak performance with minimum running costs.

It's the most innovative smart solution for all your heating and hot water needs. So, whether you're looking for a more economical way of heating your home, or you're ready to make a more ecological choice, the Daikin Altherma Hybrid heat pump system provides a solution without compromise.

- Heating and hot water
- For homes connected to the gas grid
- Two-in-one combination of heat pump technology plus a gas condensing boiler
- Year-round efficiency, plus the added security of a gas-powered boost in colder months
- An ideal way to introduce the energy for change into your home

Introduce renewable energy into your home

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

It's the optimum combination of renewable and traditional energy to heat and provide your home with hot water.

World-leading technology

Engineered with our unique dual heat exchanger, the Daikin Altherma Hybrid heat pump's patented condensing technology produces heating and domestic hot water 10 to 15% more efficiently than gas condensing boilers. So you can save on cost – and on your carbon emissions too.

Easy and affordable installation

The Daikin Altherma Hybrid heat pump's compact design means it only requires minimal installation space. Built to integrate seamlessly with your existing piping and radiators, it's perfect for renovation projects or replacing your old boiler.

You can either buy the complete Daikin Altherma Hybrid two-in-one heat pump and gas condensing boiler combination. Or if you already have a gas or LPG boiler, simply add the heat pump to create a hybrid system. Either way, you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

Carbon and cost savings versus	Gas boiler	Oil boiler	LPG boiler
Lifecycle carbon savings	15,195 kg	34,695 kg	34,695kg
Annual energy cost savings	£684	£956	£1,215
Lifecycle cost savings	£9,586	£15,349	£17,915

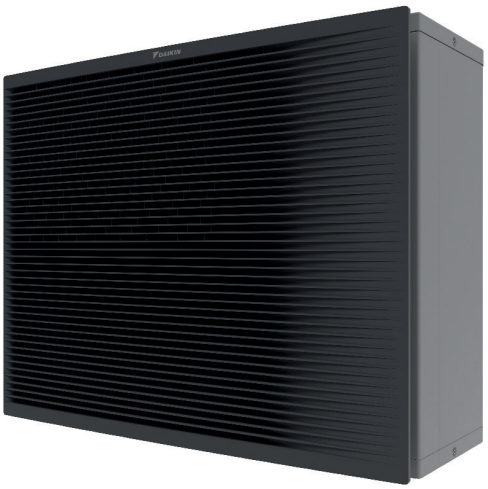
Daikin Altherma
high temperature heat pump

The future of home heating

At Daikin, we're leading the change when it comes to lowering our impact on the climate. And when we designed the Daikin Altherma high temperature heat pump, we compounded our commitment to delivering high-performance home heating with eco-friendly benefits.

When you choose the Daikin Altherma high temperature heat pump, you're choosing comfort and energy savings, even if you don't want to replace your whole heating system to achieve it.

This air-to-water heat pump delivers heating, hot water and optional cooling – and uses less energy to do it. So not only will you benefit from a greener home, you'll be choosing a more cost-effective solution, too.

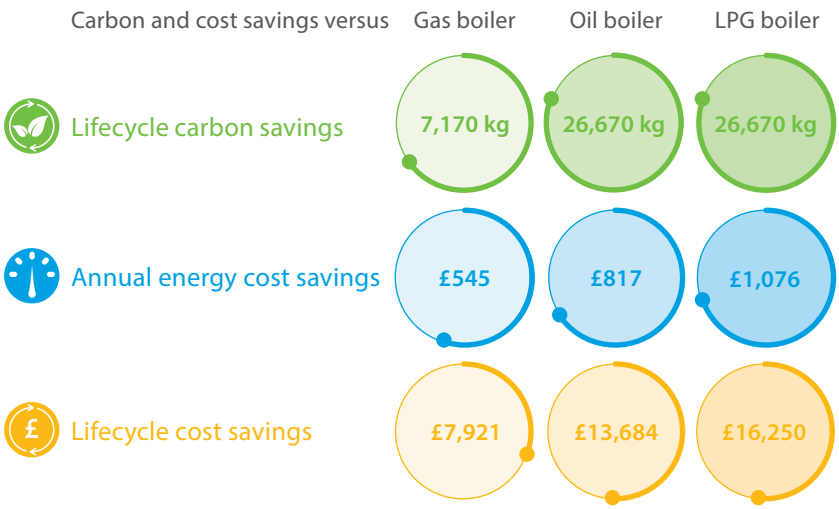


BLUEVOLUTION

How does it work?

Made up of a compact indoor unit, and sleek, compact outdoor unit, the Daikin Altherma high temperature heat pump delivers water temperatures of up to 70°C, so it's fully compatible with older radiators that require a higher temperature flow. That means there's no need to replace your existing radiators, making it the perfect upgrade to your home.

Best of all, it offers year-round efficiency – even in the coldest temperatures.



- Heating, instant hot water and optional home cooling
- Ideal for straightforward boiler replacement as works with your existing radiators
- Designed specifically for European climates – for high-performance heating in temperatures as low as -28°C
- Revolutionary Bluevolution™ technology uses a refrigerant with low global warming potential for minimum environmental impact
- Award-winning design, for seamless integration into your home
- The perfect match for older and less insulated properties

Quiet comfort ideal for rural or urban living

Whether you live in an urban residential area, or a rural location, our near-silent heating system is a welcome addition. With two sound modes to choose from, the Daikin Altherma high temperature heat pump is perfect for any environment.

In Standard Mode, the outdoor unit's sound pressure is just 38 dBA at 3 metres – that's around the same as a quiet library. While with Low Sound Mode, that sound pressure drops to just 35 dBA – not much more than a whisper.

Innovative technology. Fit for today and tomorrow

We developed the Daikin Altherma high temperature heat pump in Europe, specifically for European climates. It's complete with the very latest heating, ventilation and air-conditioning (HVAC) technologies.

From a single high-capacity fan for the lowest ambient noise, to its innovative compressor delivering instant hot water without compromising on efficiency, get ready to upgrade your traditional boiler to the future of home heating – fit for generations to come.

Award-winning design for a seamless fit

Clean, minimal and uncomplicated is the best way to describe the latest Daikin Altherma high temperature heat pump.

The outdoor unit's black front horizontal grill makes the fan invisible inside, while the matt grey casing blends in discreetly with surrounding environment.

And when it comes to your indoor unit, there's no compromise here either. The slim and stylish design ensures it's a seamless fit, while its easy-to-use interface means you can take full control of your heating schedule. For high-performance technology, without compromise.

Daikin Altherma

low temperature Monobloc heat pump

Our most compact heat pump ever

For homes where your space is at a premium, investing in a new heating system can feel like an even bigger decision. But the interior layout of your home shouldn't mean missing out on world-leading technology.

The Daikin Altherma Monobloc packs maximum performance into one compact outdoor unit. It's powerful, it's efficient, and it's the perfect way to introduce positive change into your home

› Heating and hot water in one compact system

› Quick and simple installation, connecting to your existing water pipes

› No indoor unit necessary – ideal for homes where space is limited

› Award-winning Bluevolution™ technology uses a refrigerant with low global warming potential for minimum environmental impact

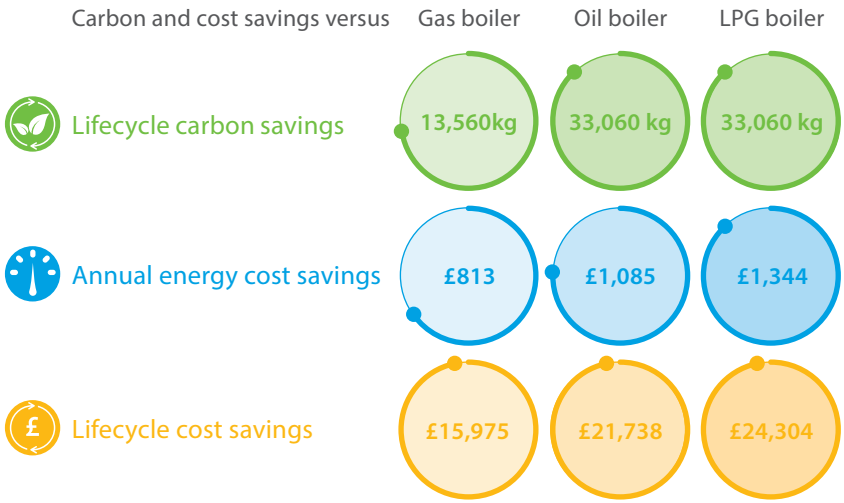
› Total frost protection for complete peace of mind

› Perfect for new builds, minimalist homes or those looking for a discreet heating system

How does it work?

If you're looking for a simple system that saves on space as well as on energy, the Monobloc is an ideal solution. This simple system has a single outdoor unit and no indoor unit, with only water pipes running indoors from the outdoor unit.

The outdoor unit combines everything you need, in one quiet, neat system. And while it may be small in size, it's big on efficiency, with an A++ efficiency rating for its heating performance, and up to A+++ on hot water, too.



Understated but powerful

Whether you're looking to maximise your living space, or simply preserve your open plan or minimalist interior, the Daikin Altherma Monobloc was created to be a modest solution – with a positive impact on your home.

Compact, with a big impact

An all-in-one system, the Daikin Altherma Monobloc heat pump uses heat from the outside air to warm your home's central heating and hot water system. Even if it's below freezing outside, you can expect peak performance – and total efficiency too.

Ready to boost your energy for change even further? By combining your Monobloc with solar support, up to 70% of your hot water can come from renewable energy, too.

Your all-in-one solution

Perfect for a well-insulated new property, the Monobloc is also suited for replacing older heating systems. But wherever it finds a home, it will keep your heating bills low, while helping to reduce your carbon emissions and environmental impact.

Daikin Altherma

low temperature heat pump wall mounted unit

Flexible installation for the modern home

For the ultimate in energy-efficient heating, hot water and optional cooling, the Daikin Altherma low temperature heat pump offers an incredibly versatile solution.

The sleek design of its wall mounted indoor unit has been designed to blend with your other household appliances, for a subtle but powerful addition to your home. It can also be connected to a stainless steel domestic hot water cylinder to deliver hot water for all of your household needs.

How does it work?

The Daikin Altherma low temperature system offers the ultimate in quiet home comfort.

With both heating and optional cooling capabilities, you can create a completely tailored home environment. There's also the option to connect the Daikin Altherma low temperature wall mounted unit to a hot water cylinder to give you a highly efficient supply of hot water.

When Daikin designed this unit, we wanted to create a low-maintenance, space-saving solution fit for your modern property. The slim and stylish design ensures it's a seamless fit, while its easy-to-use interface means you can take full control of your heating schedule. For high-performance technology, without compromise.

Both the wall mounted and integrated floor systems offer:

- Home heating and optional cooling, with hot water connection available
- Innovative Bluevolution™ technology uses a refrigerant with low global warming potential, for maximum efficiency with minimum environmental impact
- An intuitive interface, with Daikin eye technology for at-a-glance reassurance
- Award-winning design, for seamless integration into your home

Daikin Altherma

low temperature heat pump integrated floor unit

Future-ready technology with a modern feel

The Daikin Altherma low temperature heat pump is also available with a floor standing indoor unit that includes an integrated hot water cylinder, all in one. With a small footprint requiring just 600 × 600 mm floor space, it's an excellent option when you don't have space for, or prefer not to have, a separate hot water cylinder.

› Your all-in-one heating and hot water unit, for a significant space saving

› Instant hot water for the whole family, available in 180 and 230 litre capacities

How does it work?

Combining a low temperature heat pump with a hot water tank of either 180 litre or 230 litre capacity, the Daikin Altherma low temperature heat pump with integrated floor-standing option offers efficient heating and cooling, as well as instant hot water for the whole family.

With the same contemporary style as our wall-mounted model, our next-generation floor unit is designed to integrate with your existing home fittings, creating first-class comfort throughout your home.

Carbon and cost savings versus	Gas boiler	Oil boiler	LPG boiler
Lifecycle carbon savings	27,405 kg	46,905 kg	46,905 kg
Annual energy cost savings	£878	£1,150	£1,409
Lifecycle cost savings	£15,237	£21,000	£23,566

Domestic hot water cylinders

Reliable, efficient, and ready for your home

At Daikin, we don't just offer world-leading heat pump technology. We've spent 40 years developing an entire range of energy efficient technologies that are ready for the home.

Our hot water cylinders are an example of some of the innovative solutions we can offer to complete your sustainable home. Designed as the perfect partner to our Daikin Altherma heat pump systems, all of our hot water cylinders include the same best-in-class technology standards you expect from Daikin.

Each one comes fitted with a 3 kW immersion heater as standard, for water that can be heated from 10°C to 50°C in just 60 minutes. Its efficiency offers complete peace of mind, so you can enjoy living with the highest levels of comfort, energy efficiency and reliability.

› Available in 150, 180, 200, 250 and 300 litres, fit for every family

› Efficient and well-insulated, for fast temperature increases with minimal heat loss

› Designed for safety, providing fresh hot water with anti-bacterial protection

› Smart-grid ready, so your system can produce and store hot water when energy tariffs are lowest

› Compatible with solar panels for a renewable system – reduce your energy costs and carbon emissions by up to 70%

Heat
emitting technology

Tomorrow's home heating, today

Traditional radiators aren't the only way to heat your home. Many homeowners choose alternatives such as underfloor heating, heat pump convectors and fan coils.

All of our products in the Daikin Altherma range are designed to help homeowners find the perfect balance of comfort, efficiency and control.

Underfloor heating

Daikin offers underfloor heating designed to work seamlessly and efficiently with the Daikin Altherma range. When partnered with a heat pump, Daikin underfloor heating can provide wonderfully warm home climate, even at low flow temperatures, so you can enjoy uncompromising comfort, together with attractively low running costs.

Daikin Altherma heat pump convectors

A heat pump convector is in many ways similar to a radiator.

Traditional radiators heat your home by running hot water through their pipes. Daikin Altherma heat pump convectors simply speed up this process with the use of a small fan behind the unit, to create the same room temperature as a traditional radiator – with the added bonus that your system's water temperature doesn't need to be as high. So you'll benefit from direct energy savings too.

With a sleek, modern design and silent operation, Daikin Altherma heat pump convectors are the perfect addition to your home comfort ecosystem.

- Slim design, for flexible installation
- High-capacity heating and cooling, for a powerful addition to your home
- Energy efficient, for savings on your energy costs and on your environmental impact
- Discreet and understated, just as your home heating should be

Air conditioning technology

Energy-efficient and future-ready

At Daikin, our air-to-air solutions are some of the most efficient on the market. Not only offering air conditioning, our units can also heat your home efficiently with warm air.

With a real emphasis on renewable energy, and our commitment to innovation, when you choose Daikin air conditioning, you're choosing energy-efficient technology – for the most positive environmental outlook.

Daikin Emura

Meet the coolest design trend in air conditioning. Now, you can heat, cool and purify using the Daikin Emura's revolutionary air-to-air heat pump technology. Available in white and silver, our award-winning design is discreet and sleek, to suit houses of all styles.

The Daikin Emura includes a two-area motion detection sensor, to direct and optimise your system's air-flow for better performance – and intelligently detect when a room is empty, to automatically enable energy-saving mode. Available for one room, or up to five, the choice is yours when it comes to creating a tailored home comfort solution.

Daikin Stylish

Available in four colours, the Daikin Stylish range is the latest addition to the Daikin air conditioning family. Our Stylish unit has won awards for its compact, innovative design, with curved corners and texture variations offering a sleek addition to any room.

The system's ultra-quiet fan delivers focused airflow, creating an even air and temperature distribution, while its humidifying and purifying properties mean your whole family can enjoy fresh, clean air.

- One-room or full-home solutions available, with our split or multi-split system options
- Integrated options, for in-built cooling and heating as you need it
- Individual room programming, for total family satisfaction
- World-leading energy efficiency, so there's no need to compromise on your climate goals

Air purifiers

For a clean, fresh, healthy home

Fresh air shouldn't be reserved for when we spend our summer months outdoors. Perfect your home climate, and bring the outside in with a Daikin air purifier.

You'll experience air that's three times cleaner, healthier and fresher, along with reduced asthma and allergy symptoms. Daikin's advanced air purification technology catches fine particles of dust, with a powerful suction that's whisper quiet. Its stylish and compact design will complete your fresh, clean home.

Control your home climate with ease

No more over-complicated programming. No more thermostat guesswork. We're world-leaders in designing intuitive, simple control systems. Creating your ambient home has never been easier.

Daikin Madoka for Heating

The sleek, stylish design of the Daikin Madoka for Heating is only the beginning of its benefits. With just three buttons and a large font display, it's the perfect example of simplicity at its finest.

With a simple touch, you can access your home heating schedule, with additional controls available via our complementary, easy-to-use smartphone app. And, housed in a compact, wall-mounted unit measuring just 85 × 85 mm, there's never been a better fit for home comfort than the Daikin Madoka for Heating.

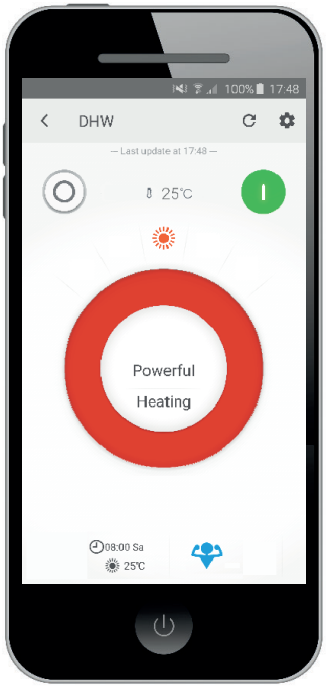
› **Three colour options**, for a seamless fit with your interior

› **Multiple award-winning** innovative design

› Our **Daikin Eye technology** makes it easy to see how your system is performing, with its red and blue 'traffic light' system

Power, without limits

Daikin Residential Controller



Now, you have the power to control your home environment, anywhere at any time. Simply connect your Daikin heating or air conditioning unit to your home Wi-Fi and download the Daikin Residential Controller app.

You can change and set your thermostat, create temperature schedules and review your energy consumption. It's year-round climate control in the palm of your hand.

› **Set individual climates for separate rooms** for full family satisfaction

› **Gain a complete overview of your home comfort system,** from its efficiency to its energy consumption

› **'If this, then that'** programming options give you the power to make your own rules – for home comfort that suits your lifestyle

Sustainable Home Network

By choosing heat pump technology, you're making a decision that will have a positive impact for generations to come. And at Daikin, we want to reassure you at every step of the journey.

That's why we have the Sustainable Home Network of Installers and Experts in Daikin Altherma heat pumps, trained to the very highest renewable heat standards.

Sustainable Home Installers are trained to install our all-in-one Daikin Altherma Monobloc heat pumps, while Sustainable Home Experts have undergone advanced training and accreditation to install our entire range of heat pumps. So you can choose the specialist who suits your requirements best.

From your initial consultation, system design and heat pump installation, to your annual maintenance check and servicing down the line, you can trust our Sustainable Home Network to meet the highest standards of excellence.

It's just one more way we ensure you have everything you need to lead the UK's change for good.

Come and experience our technology for yourself

We design some of the world's most eco-friendly, powerful air-to-water and air-to-air heat pumps. But don't just take our word for it.

We have a growing network of Daikin Sustainable Home Centres nationwide, so you can see and touch our eco-friendly technology first-hand. Each one of these showrooms features the latest Daikin technology, with trained experts on hand to offer advice and guidance.

Visit us, and discover how we can transform your home heating – with minimum disruption to your everyday, and maximum benefit for your family.

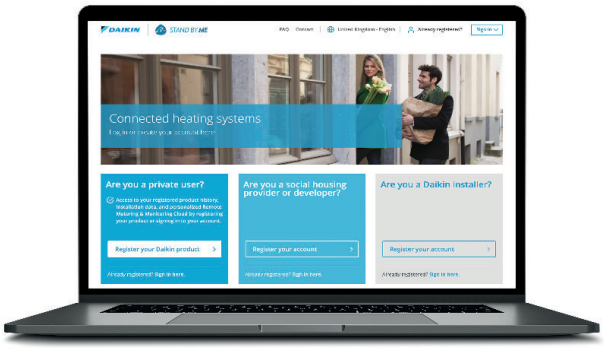
Kick start your change today

Request an appointment with a Sustainable Home Expert:
daikin.co.uk/energyforchange/booknow

Find your nearest Sustainable Home Centre at
daikin.co.uk/energyforchange/findus

Stand By Me

Your online Daikin support hub



Our service doesn't stop after our engineers have left. As a Stand By Me customer, you can benefit from additional services through our online portal.

Access an overview of your Daikin installation history, including your product details and important admin and warranty information.

By accessing the Stand By Me online portal, you can:

- ☑ Easily register your device warranty, for guaranteed support if you need it
- ☑ Choose your maintenance package, for a solution that suits you
- ☑ Automatically be informed when the maintenance of your system is due
- ☑ Get easy access to the maintenance history of your system, user manuals, servicing records etc.

Once you've purchased your Daikin Altherma system, it's easy to register your account at **standbyme.daikin.co.uk**

Start your journey today

By choosing Daikin, you're choosing more than our world-leading technology. More than our commitment to innovation. Even more than high-powered home comfort for your family. You're choosing to lead the UK's renewable heat movement.

Find the best heating solution for your home

Request an appointment with a Sustainable Home Expert:
daikin.co.uk/energyforchange/booknow

Find your nearest Sustainable Home Centre at
daikin.co.uk/energyforchange/findus

Step 1

Find a Sustainable Home Installer in your area

Installing a heat pump isn't a do-it-yourself project. That's why we've built a network of Daikin-trained Sustainable Home specialists up and down the country, ready to help.

Your Daikin Sustainable Home specialists will assess your home and living arrangements to ensure that choosing one of our heat pumps is the best decision for you, and provides an economical, efficient alternative to your fossil fuel boiler.

We work with the country's most skilled installers who are specifically trained to the highest standards of heat pump system design, installation and commissioning – and who have all the relevant Gas Safe and F-Gas certifications for the systems they're installing.

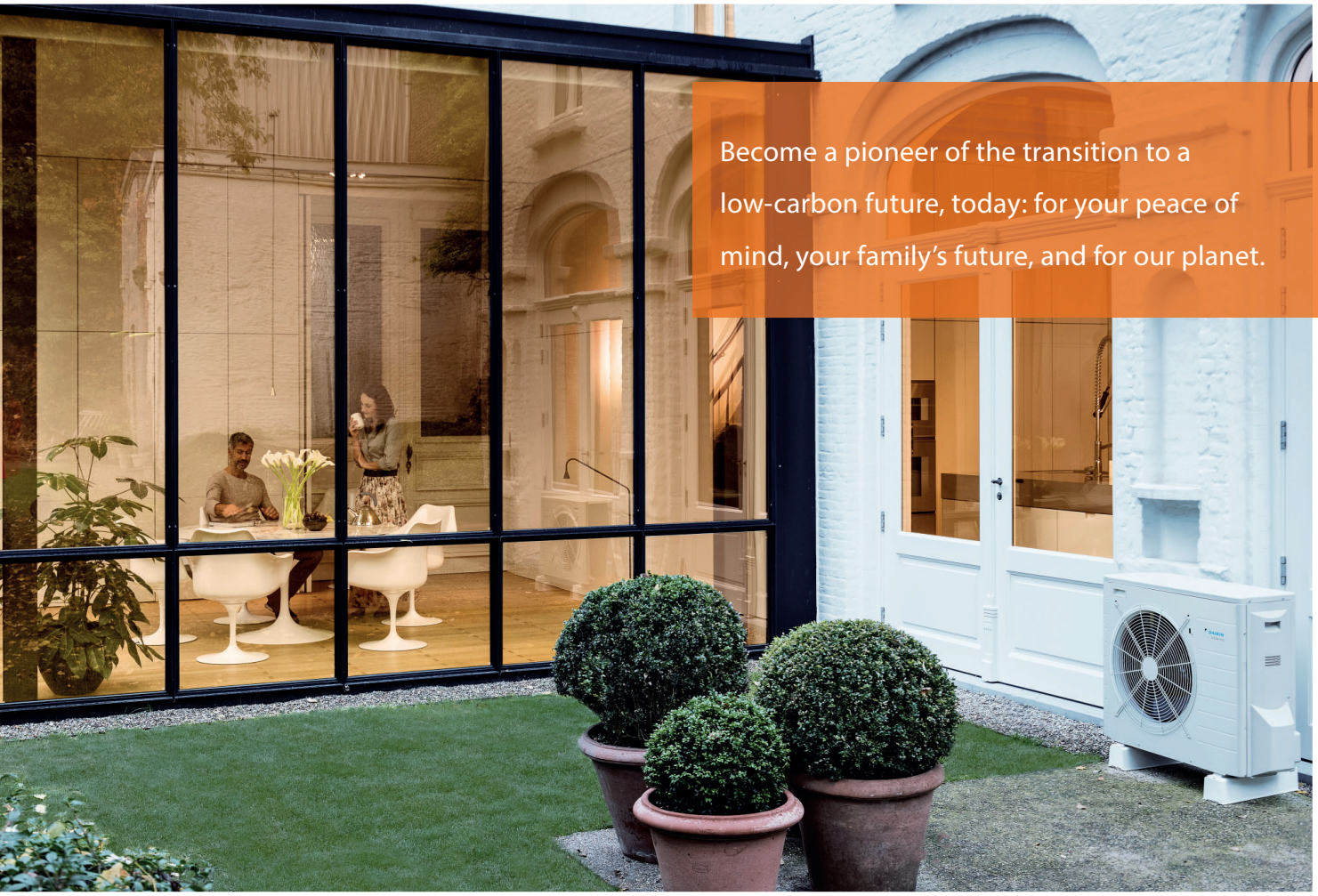
Step 2

Discover the perfect fit for your home

Your Daikin Sustainable Home Installer will work closely with you, so together, you can pick the heat pump technology that's right for your home.

If you've already performed the heat pump check, or followed our Decision Guide on page 11, you can discuss these initial indications with your Sustainable Home specialist. They'll discuss your options with you, and provide their technical expertise so you can make a choice that's right for your home and heating requirements.

Then, they'll prepare a system design and customised quote which takes your budget into account.



Become a pioneer of the transition to a low-carbon future, today: for your peace of mind, your family's future, and for our planet.

Step 3

Schedule your installation date

From ordering the heat pump and accessories, to organising its delivery ready for your agreed installation start date, your Sustainable Home Installer will take care of everything. All you need to do is put the kettle on!

Your heat pump will then be installed and connected up to your existing heating system, like your radiators and underfloor heating. Some of the work needed may vary slightly, depending on the heat pump you've chosen and your home's design. But your Sustainable Home specialist will discuss all of this with you when you're first making your decision, so your installation is as easy and disruption-free as possible.

Step 4

Enjoying your new, eco-friendly home heating

Before they leave, your Sustainable Home Installer will set up and programme your heating system to ensure you're receiving the maximum benefit and efficiency from your new tech.

If you choose a Daikin system, you'll also receive a warranty pack detailing your parts and labour warranty. The warranty pack also contains a code so you can register your warranty on Stand By Me: our customer aftercare website. Make sure you register your warranty within 30 days, and no later than 1 year after commissioning.

We also offer a range of Maintenance Packages on Stand By Me, so you can ensure your system is regularly maintained and your warranty remains valid. Now, you're ready to enjoy sustainable heat in your home, and full peace of mind, too.

Warranty and Servicing

Long-term peace of mind

When you choose Daikin, you're choosing a market leader. Millions of homes across the world enjoy our heating, cooling and home comfort technologies – and we want you to keep on enjoying it for years to come.

Warranty options from 1-7 years

To access ongoing our expert service and support, should you ever need it, you or your installer simply need to register your warranty on Stand By Me (see page 31) within 12 months of your system being commissioned to benefit from our standard 1 year warranty.

If your heat pump has been installed by a Sustainable Home Installer, you can choose to extend your hybrid or heat pump warranty for free to 3 years.

And if it has been installed by a Sustainable Home Expert, you can choose to extend your warranty for free to 5 years. Further warranty extensions are available on selected products.

Once you've registered your warranty, you'll be eligible for exclusive parts and labour and ongoing support from Daikin experts. So you can live with ongoing peace of mind for your entire family.

Maintenance packages to suit you

We also offer a range of maintenance packages when you register your system on Stand By Me (see page 31) to ensure that your system is always operating at peak efficiency and the warranty remains valid for its full term.

Status	Bronze	Silver	Gold	Platinum
	1 annual service visit (upfront payment)	Bronze + 1 free visit for non Daikin fault (upfront payment)	Silver + 1 additional free visit for non Daikin fault, Daikin spare parts and Daikin labour included	Gold + first 3 year free parts & labour on non Daikin and fees and repair work included for all Daikin parts 10 year price promise
Heat pump	£138 p.a	£240 p.a	£264 p.a	£336 p.a
Heat pump monthly	N/A	N/A	12 × £24 = £288	12 × £30 = £360
Hybrid	£228 p.a	N/A	£336 p.a	£408 p.a
Hybrid monthly	N/A	N/A	12 × £30 = 360	12 × £36 = £432

Daikin
Contact Centre

Once you're the proud owner of an efficient new Daikin Altherma sytem, if ever you have a question, require assistance or need to book a visit from one of our engineers, our dedicated Contact Centre team is available to support you. Lines are open Monday to Friday 8.00am to 5.00pm.

Discover your energy for change

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Be the energy for change.

Find the best heating solution for your home

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Request an appointment with a Sustainable Home Expert:
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Find your nearest Sustainable Home Centre at
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Visit energyforchange.com

Email energyforchange@daikin.co.uk

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