

2024-2025

Ground-source heat pump solutions for your home



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Why choose a Home Comfort Expert partner?





Daikin has been developing and manufacturing high-quality home solutions for over ninety years. Providing perfect comfort and complete heating, cooling, hot water and air treatment solutions to homes around the world.


Daikin Home Comfort Expert partners are an extension of our standards and represent a quality seal you can trust.


Because of the special support and trainings provided, our Home Comfort Experts provide you with exclusive service and personalised assistance, plus even more attractive offers.


When choosing to buy from a Home Comfort Expert Partner you can expect:

 Response to your queries within 24 hours

 Fast spare parts delivery times

 Completed installation within 5 working days

 Professionally trained service technicians with outstanding technical knowledge and skills

 First-hand information on Daikin products

Daikin Home Comfort Experts, a network of professionals that always put you first.

NOTES

Units listed in this document that operate with refrigerant, operate with R-32 refrigerant. They contain fluorinated greenhouse gases. R-32 has a GWP of 675. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This means that if 1 kg of refrigerant would leak to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Daikin ground-source heat pumps

Heat pumps are an excellent all-round heating, cooling and hot water management system.



What is a heat pump?

A heat pump is a “middle-man” that can seamlessly manage a home’s heating, cooling and hot water needs through its connections to different emitters such as: underfloor heating, heat pump convectors and domestic hot water tanks.

Benefits of a ground-source heat pump



Complete integration

Heat pumps can connect to practically any heating and cooling emitters and hot water systems creating a perfect environment throughout the home, no matter the season



Lower energy costs

For every kilowatt of electricity used in a ground-source heat pump generates between 4 to 5 kilowatts of renewable heat from the air resulting in up to 500% increased efficiency.



Lower emissions

A heat pump produces no local emissions, and when connected to an environmentally friendly electricity source, potentially ensures a lifetime of emission-free operation.



High life expectancy

Heat pumps typically have a once-a-year maintenance and service requirement, keeping up with maintenance needs can easily increase their lifespan to more than 10 years.

How does a ground-source heat pump work?

A heat pump works by effectively creating a circuit. This circuit begins where the available heat is drawn from the **ground**, transferred to the **refrigerant**, which then transports and transfers it to your **heating system**, creating warm air or water for space and central heating, as well as hot water for domestic use.



Designed in Europe, for Europe

- Conceptualised and engineered at our own European Development Centre in Belgium
- Built to withstand even the harshest European winters
- Design aesthetic mirrors European interior styles and preferences
- Adheres to European standards and targets for environmental impact





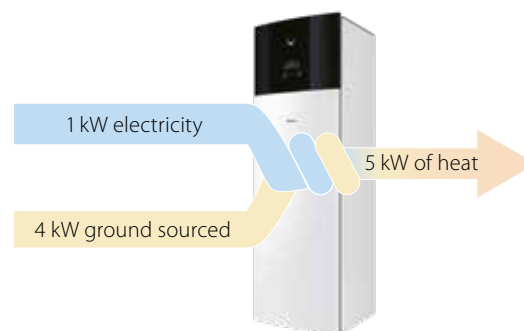
An all-in-one solution



Altherma 3 GEO

- Floor-standing unit with integrated hot water tank
- Heating, cooling and hot water
- Indoor unit and outdoor ground heat exchanger installation required

Electricity savings



More than just heating

Daikin ground-source heat pumps are designed to work for you, that's why they can be combined with different emitters to meet any need you have, whether it's heating, cooling, hot water, ventilation or all of the above.



Underfloor heating

Completely space-saving and efficient, pairing underfloor heating with a ground source heat pump ensures a steady temperature throughout your home.



Heat pump convectors

One of the best connection options for your heat pump. Daikin HPCs work in a similar way as traditional radiators with added functionality of cooling and fresh air supply.



High-temperature radiators

Traditional radiators found in older homes or homes utilising older boiler systems and require high water temperatures (between 60°C and 80°C).

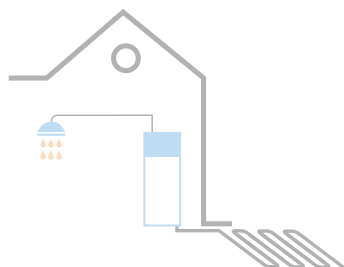


Low-temperature radiators

Made for efficiency using approximately 30% less energy and lower temperatures (between 45°C and 55°C) typically used in new built homes.

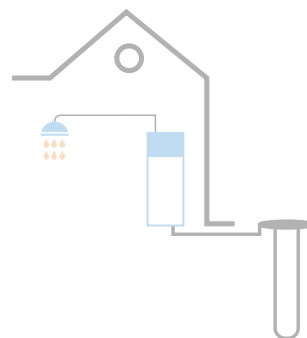
Efficiency inside and out

Ground-source heat pumps offer the flexibility of choice between a vertical or horizontal ground heat exchanger. Pipework for the ground loop is usually made of high-density polyethylene pipe containing a mixture of water and anti-freeze, referred to as brine.



Horizontal ground heat exchanger

A horizontal closed loop is composed of pipes that are arranged in a plane in the ground, slightly below the frost line (approx. 1 to 2,5 m deep). The installation for these types of systems is simpler but required a large area to ensure sufficient heat can be extracted from the ground.



Vertical ground heat exchanger

A vertical system consists of pipes arranged in one or more boreholes, extending deep into the ground (approx. 15 to 120 m). Vertical systems require more extensive works and mostly used when the available area is too small to support a horizontal system.

Complete control, your way

Onecta app

Accessibility just got better with voice-controlled heating and cooling

- Seamlessly integrates with your existing smart home functionality
- Compatible with Google Assistant & Amazon Alexa
- Operation mode management and heating and cooling schedules
- Performance monitoring and energy efficiency optimisation



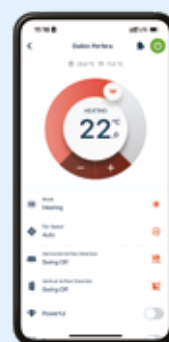
Daikin Madoka

Intuitive control paired with premium design

- Available in three colours to suit your own interior style
- Compact size: H: 85mm, W: 85mm, D: 25mm
- Temperature and operation mode management of your heat pump
- Smooth touch-control



Monitor



Control



Schedule



BRC1HHDW



BRC1HHD S



BRC1HHD K

Daikin Eye and Man-Machine Interface (MMI)

Taking the hassle out of your unit control

- Both are built in to your Altherma indoor unit or available as an external controller
- Real time status of your unit shown on the Daikin Eye, blue indicates smooth operation, red indicates error
- Minimalistic design for straightforward operation
- Operation mode management of heat pump



Blue

Smooth operation



Red

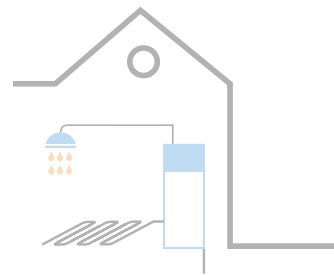
Error



Floor-standing unit with integrated hot water tank

Daikin Altherma 3 GEO

Energy efficiency:	up to A+++ for heating, A+ for hot water
Sound pressure level (indoor unit – EN14825):	27 - 29 dBA
Available models:	Heating, cooling and hot water Heating and hot water



Quick overview

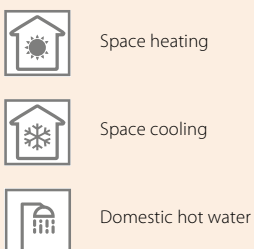
Energy labels:



Domestic hot water temperature:



Functions:



All-in-one: Heating, cooling, and hot water management with just one unit.

Ultimate efficiency: Utilising primarily renewable energy

Whisper quiet: Indoor unit operation that you almost forget it's there

Flexible control: Manage your unit via the built in MMI, Daikin Madoka or the Onecta app

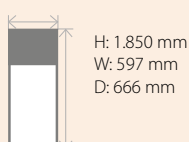
Design & Interface

- Sleek and elegant design that fits seamlessly into your interior
- Easy-to-access piping on the top of the unit simplifies installation, maintenance, and service
- Design ensures that no or minimal side space is required for installation
- Simple interface makes it easy to adjust temperatures, scheduling and switch between heating and cooling

Emitter combinations

Underfloor heating	Heat pump convectors	Low-temperature radiators
Perfect for heating Limited for cooling	Perfect for cooling Good for heating	Perfect for heating

Dimensions:



The perfect choice if:

- You are committed in investing in a highly efficient and environmentally friendly system
- You are building a new home or planning a large-scale renovation
- You have a sufficiently large outdoor area
- You live in an area that reaches extreme temperatures in the winter
- You are looking for a long-term and reliable system with minimal service and maintenance needs.

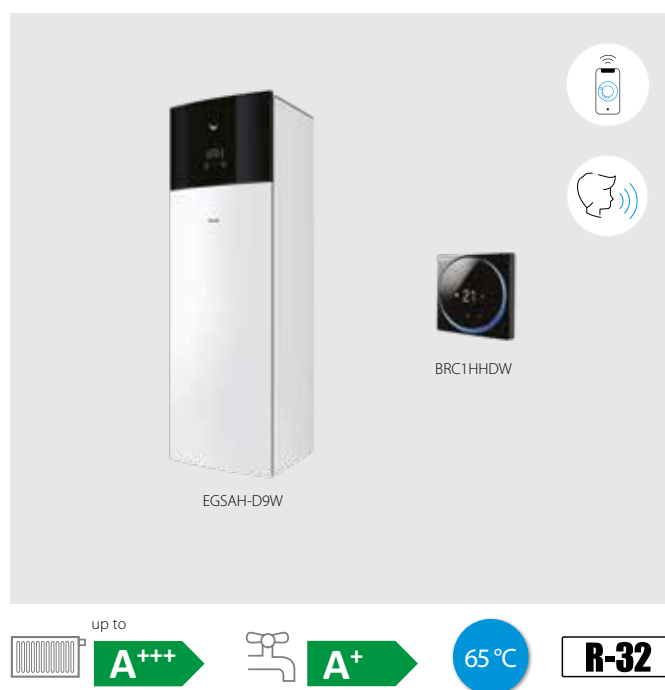
Daikin Altherma 3 GEO



EGSAX-D9W

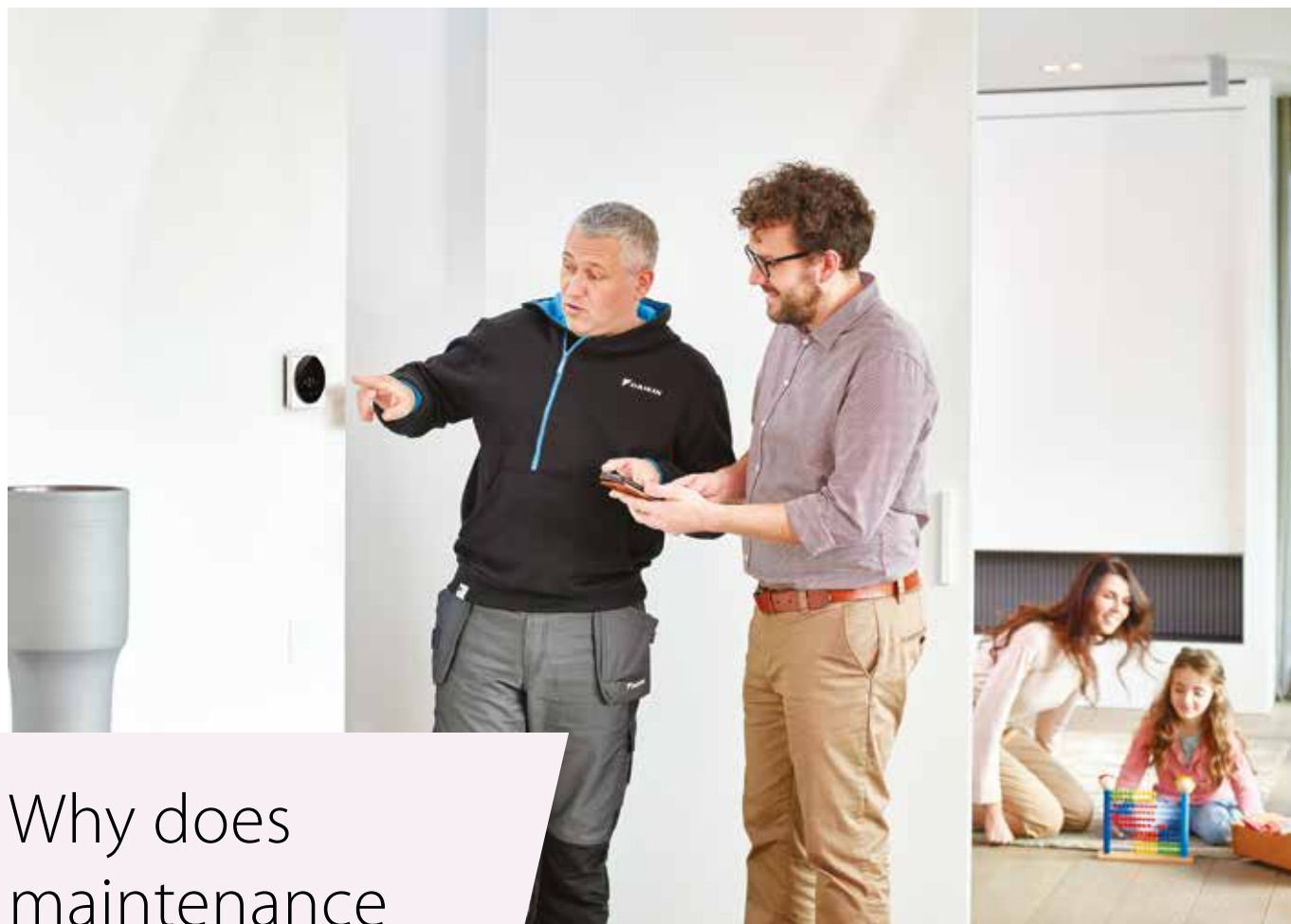
Heating, cooling and hot water

EGSAH-D9W

Heating and hot water



Indoor Unit				EGSA	H06D9W	X06D9W	H10D9W	X10D9W
 Space heating	Average climate water outlet 55°C	General	η_s (Seasonal space heating efficiency)	%	141	143	152	154
			Seasonal space heating eff. class	A++		A+++		
	Average climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	195	199	197	200
			Seasonal space heating eff. class	A+++				
 Domestic hot water heating	General	Declared load profile			L			
	Average climate	η_{wh} (water heating efficiency)	%		117			
		Water heating energy efficiency class			A+			
	Casing	Colour				White		
	Material				Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm		1.850x597x666			
Weight	Unit				222			
Tank	Water volume			l	180			
	Insulation	Heat loss		kWh/24h	1,2			
	Corrosion protection				Pickling			
Operation range	Installation space		Min.~Max.	°C	5 / 35			
	Brine side		Min.~Max.	°C	-10 / 30			
	Heating	Water side	Min.~Max.	°C	5 / 65			
	Domestic hot water	Water side	Min.~Max.	°C	25 / 60			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg	1,70			
	Charge			TCO ₂ /Eq	1,15			
Sound power level	Nom.				39	41		
Sound pressure level at 1 meter	Nom.				27	29		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	3~/50/400 or 1~/50/230			
Current	Recommended fuses			A	3P 16A or 1P 32A			



Why does maintenance matter?

Daikin Service and our Service Partner Network teams continuously strive to develop smart services & solutions that exceed your expectations. Proper maintenance and service ensures that your units are always delivering at their maximum potential and that you can enjoy them for many years to come.

Healthy Air

Cleaning and maintaining air filters and coils in your units ensure a continuous good indoor air quality throughout your home.

Increased System Efficiency

Routine inspections, oil and fluid changes, part replacements and other smaller adjustments help maintain your unit's efficiency saving you money on your energy bills.

Cost Savings

Planned maintenance appointments will always be cheaper than emergency interventions. Plus, our clear and transparent maintenance pricing model allows you to budget your costs ahead of time.

Minimized System Downtime

Plan your visits in advance and let them work around your own schedule. With a clear servicing programme you can effectively budget both your time and your costs and eliminate any risk of your unit breaking down when you need it most.

Improved Safety

When a unit doesn't operate optimally

over a long period, it can become unsafe. Regular maintenance ensures that the unit operates safely and complies with local regulations and requirements.

Full Legal Compliance

Knowing that your system is maintained and serviced gives you the assurance all relevant legal requirements (e.g. F-gas regulation) are fulfilled.*

Genuine Spare Parts, Tools and Equipment

Spare parts used by Daikin Service or our Service Partner Network are all certified by Daikin, reducing the risk of failure and disturbances and ensuring the warranty's continued validity. In case opening, overhaul or repair is needed, as an OEM we have all the original tools, casts and equipment to ensure the repair is carried out according to factory recommendations.

In addition, Daikin uses special service tools. These tools facilitate advanced troubleshooting and reporting to be done to ensure that the unit is optimised and parametrised correctly as well as verifying the integrity of the system.

*REGULATION (EU) No 517/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006



Stand By Me

Stand By Me is a future proof online platform designed and offered directly by Daikin Home Comfort Expert partners specifically to help you benefit from our exceptional aftercare service and an extended warranty.

Stand By Me is **free** to use and can be accessed via any browser, either on **desktop** or **mobile**.



Benefits of Stand By Me



Easy to access information

Daikin products have a long-life span and it can be difficult to remember which models you have installed. Find detailed information about all of your installed units including unit type, specific model, serial number and the date of installation.



Contact details

In the event that your units aren't working the way they should you can always find the contact details of your Daikin service partner so you always know who to call in case of any emergencies or if you simply want to schedule a maintenance.



Detailed history reports

Never worry about All maintenance visit and repair reports are seamlessly shared between you and your partner and can be accessed at any point so you can always know what was checked or repaired.



Warranty details and extension

Stand By Me ensures that you have all warranty data on hand at any time. In addition, Stand By Me users also receive additional warranty up to 5 years and can always purchase additional warranty when needed.



Scheduled reminders

Regular maintenance is essential to increase efficiency and maximise cost savings. Stand By Me will automatically schedule maintenance reminders sending them to both you and your service partner to schedule a visit.



Exclusive packages and offers

Regular check-ups following a maintenance plan are much more cost effective than ad hoc servicing. Purchase the ideal maintenance package to help keep your unit in excellent condition and also receive exclusive offers.

Stand By Me registration process

Your registration on Stand By Me is directly handled by your Home Comfort Expert Partner. After completing your details you will receive a confirmation email and all you will need to do is:

1

Confirm that all your contact details are correct

2

Create a username and password

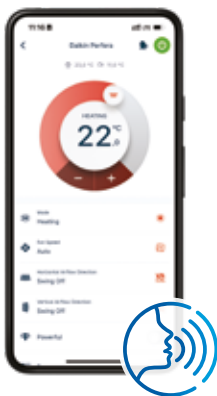
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Get to know your Stand By Me account

Onecta App

Manage the comfort of your home from the convenience of your phone.

The Onecta app is exclusively available to all Daikin unit owners, giving you the power to fully control your heating, cooling and hot water units straight from the palm of your hand.



Voice commands

Voice controlled management of your heating and cooling units.

- Compatible with Google Assistant & Amazon Alexa
- Seamlessly integrates with your existing smart home functionality



Easy scheduling

Set up a programme of when your units should operate.

- Create up to six actions per day for temperature or operation mode
- Additional holiday mode available to save energy costs



Simple management

Manage your units to suit your lifestyle and year-round needs.

- Define room and domestic hot water temperature
- Set heating and cooling unit operation modes



Efficiency monitoring

Get an overview of your units' performance and energy efficiency.

- Easy to access reports on energy consumption
- Live status of your heating and cooling units

Available on



Scan the QR code to download the app now





DAIKIN ALTHERMA 3 R MT

Mid-temperature air-to-water heat pump



Get to know the new Daikin Altherma 3 R MT

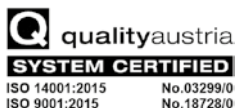
- Ideal solution for boiler replacement with easy connections to existing radiators
- Simplified installation and added efficiency thanks to refrigerant split design
- Remote control and monitoring with the Daikin Onecta app



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