



Heating

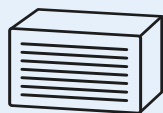
All-in-one comfort for
residential applications

2026
NEW





A million homes. One heat pump.



Your next heating system will be a heat pump

Heat pumps are ready to take on the challenge of home decarbonization and Daikin is ready to be the most suitable partner in this challenge.

Home decarbonisation is the sustainability challenge of today. It's the newest addition to the global paradigm shift towards a more sustainable economy. In the automotive industry, agriculture and even in air travel, efforts have already been made to reduce or eliminate carbon emissions from energy sources. Next on the list: homes.

The European Union pledged to "play a central role" in achieving net-zero greenhouse gas emissions by 2050.

Daikin Altherma is the absolute most sold hydronic heat pump brand in Europe, since 2006*. Our hydronic heat pumps are 100% manufactured in Europe.

In order to achieve their goals, they are betting on heat pumps

And at Daikin, we are convinced that they're right. Heat pumps are more than ready to take on the challenge of home decarbonisation. They are not a technology of the future, but an established solution, ready to provide comfort.

Did you know?

In several European countries, heat pumps are already installed in more than 50% of new buildings. In renovations, heat pumps are increasingly being considered as a replacement for boilers, especially for high-temperature models with a similar leaving water temperature of 70 °C.

*source: BRG Building Solutions – June 2024 data/report

Heating

Daikin's vision on heating	74
Introduction	75
▪ 4 steps to decarbonising residential heat	75
Service & Solutions	78
Stand By Me, Certified Partner	80
Six reasons to choose a heat pump	82
Individual solutions	88
Heat pumps	88
▪ Indoor units	90
▪ Daikin Altherma 4 H NEW	94
- Daikin Altherma 4 H F	102
- Daikin Altherma 4 H ECH ₂ O	104
- Daikin Altherma 4 H W	108
▪ Daikin Altherma 3 H MT/HT	112
- Daikin Altherma 3 H MT/HT F	114
- Daikin Altherma 3 H MT/HT ECH ₂ O	117
- Daikin Altherma 3 H MT/HT W	121
▪ Daikin Altherma 3 R MT	126
- Daikin Altherma 3 R MT F	128
- Daikin Altherma 3 R MT ECH ₂ O	131
- Daikin Altherma 3 R MT W	135
▪ Daikin Altherma 3 R (ERLA-D series, 11-14-16 kW)	140
- Daikin Altherma 3 R F	142
- Daikin Altherma 3 R ECH ₂ O	146
- Daikin Altherma 3 R W	150
▪ Daikin Altherma 3 R (ERGA-E series, 4-6-8 kW)	154
- Daikin Altherma 3 R F	156
- Daikin Altherma 3 R ECH ₂ O	159
- Daikin Altherma 3 R W	164
▪ Daikin Altherma 3 M	168
- Daikin Altherma 3 M (4-6-8 kW)	170
- Daikin Altherma 3 M (9-11-14-16 kW)	172
▪ Daikin Altherma M HW	176
▪ Daikin Altherma	
Ground source heat pump	182
- Daikin Altherma 3 GEO	182
▪ Daikin Altherma Hybrid heat pump	188
- Daikin Altherma H Hybrid	188
- Daikin Altherma R Hybrid + multi	196

Boilers	201
▪ Gas condensing boilers	202
- Daikin Altherma 3 C Gas (D2C/TND*)	203
- Daikin Altherma 3 C Gas (D2CNL)	208
- Daikin Altherma C Gas W	210
▪ Flue-gas evacuation system	212
Collective solutions	217
Decentralised solutions	220
Centralised solutions	221
Water loop	222
▪ Daikin Altherma 3 WS	222
Peripherals	230
Tanks	233
▪ Thermal stores and tanks	234
Controllers	239
▪ Wired remote controller	240
▪ Individual room controllers	242
▪ Onecta App	246
Heating & cooling emitters	249
▪ Daikin Altherma UFH	250
▪ Daikin Altherma HPC floor standing	256
▪ Daikin Altherma HPC wall mounted	258
▪ Daikin Altherma HPC concealed	259
Solar heating systems	265
▪ Solar panels for pressurised use and Drain-back system	272
▪ Solar panel - pressurised system	274
▪ Solar panels - drain-back system	276
▪ Solar collector	279
▪ Pump station	279

4 Steps to decarbonising residential heat

One of the biggest challenges we face to ensure a healthy and sustainable environment and contribute to carbon neutrality is to maximize usage of renewable energy, specifically when heating our homes. The majority of residential housing is still heated with outdated systems, often using polluting fossil fuels such as coal and oil.

The challenge involved in tackling this is made all the more clear by The European Green Deal, which is a set of policy initiatives by the European Commission with the key aim of making Europe climate neutral in 2050 using green technology.

1

Strengthened new build rules

All European member states have already put measures in place to ensure that new build houses and apartments have a better carbon performance by making an improved building envelope and the use of renewable energy mandatory. As a result, Daikin estimates that heat pumps already have up to 50% market share in new (single family) houses.

A considerable additional benefit of hydronic heat pumps is the ability to use it to cool as well heat, which is increasingly becoming a consumer requirement. This is partly due to the climate change effect, but also because of the higher insulation level built houses.

2

Increase replacement rate

Today's replacement rate is, on average, 1% of the total number of heating systems installed per year and meeting the minimum target would require that replacement ratio to double within the coming 10 years.

Substituting heating devices with more efficient ones will constitute a move towards reducing CO₂ emission. The challenge however is to motivate EU citizens to choose renewable heating more often, thereby convincing those in the replacement market that heat pumps are an efficient, cost-effective and established solution.

2020

2030

1

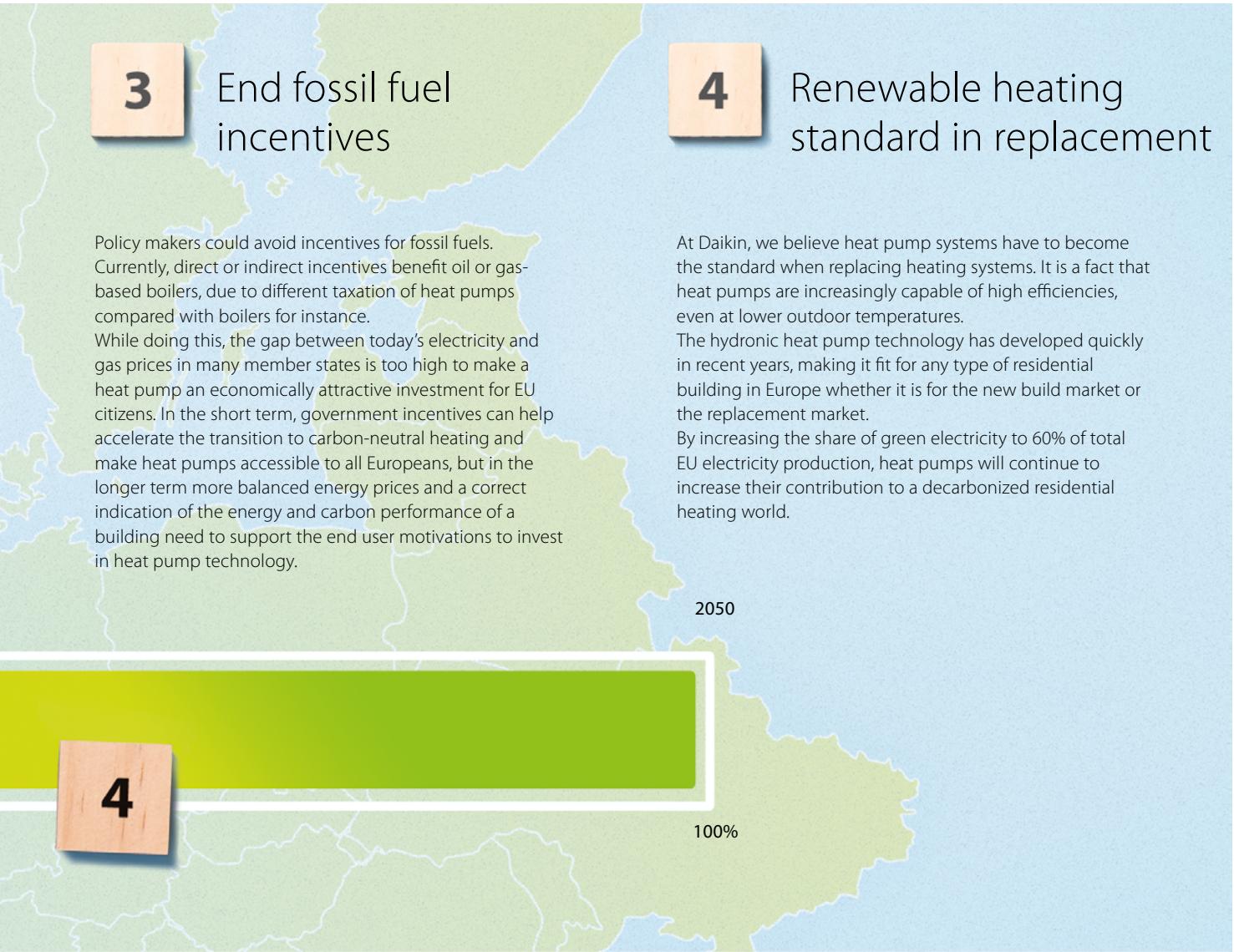
40%

2

3

Heat pumps start to play a crucial role in decarbonizing Europe, and in certain areas there has already been an impressive uptake. For example, heat pumps are the default heating system in Sweden and enjoy 50% of the market share in new builds in some European countries.

However, in the whole of Europe, renewable heating via heat pumps represents only 10% of all heating systems installed annually. This contrasts sharply with the EU Commission’s ambitious target by 2030: 40% penetration of renewables in heating and cooling. At Daikin, we see the solution will be to take 4 steps to decarbonizing residential heat, in order to achieve the EU Commission’s targets by 2030.



The future

At Daikin we’re excited and passionate about taking on the changing environment and playing a key role in bringing this innovative technology into people’s homes while ensuring all stakeholders, such as installers and architects, are on board. We can do our bit as well by making installation as simple as possible through great design. Europe has the technology, the expertise and the investments to expand the heat pump market further. From single family to multi-family homes, from small to large commercial buildings and industrial plants, heat pumps today are ready to go mainstream. All the signs are indicating that we need to act now! Let’s convince those in the replacement market that heat pumps are the future and increase awareness regarding energy, cost-efficiency and environment-related advantages.

Service & solutions

a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.

Daikin eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Discover in detail the Daikin Metroline

Have a detailed look at each step to see how our tools can facilitate your journey with Daikin.

Heating Solutions Navigator

- Do the radiator test
- Simplified heat load
- Room by Room Heat Load Calculation
- Radiator selection
- Heat pump Convector
- End user quotation
- Piping & Wiring
- Thermal solar calculation tool
- Underfloor heating
- Pipe sizing
- Ventilation
- Literature
- Economic Viability Study
- e-Configuration tool
- Installation registration

Stand By Me

- e-Configuration tool
- Installation registration
- Installation monitoring
- Warranty extension
- Maintenance
- Repair

Daikin e-Care

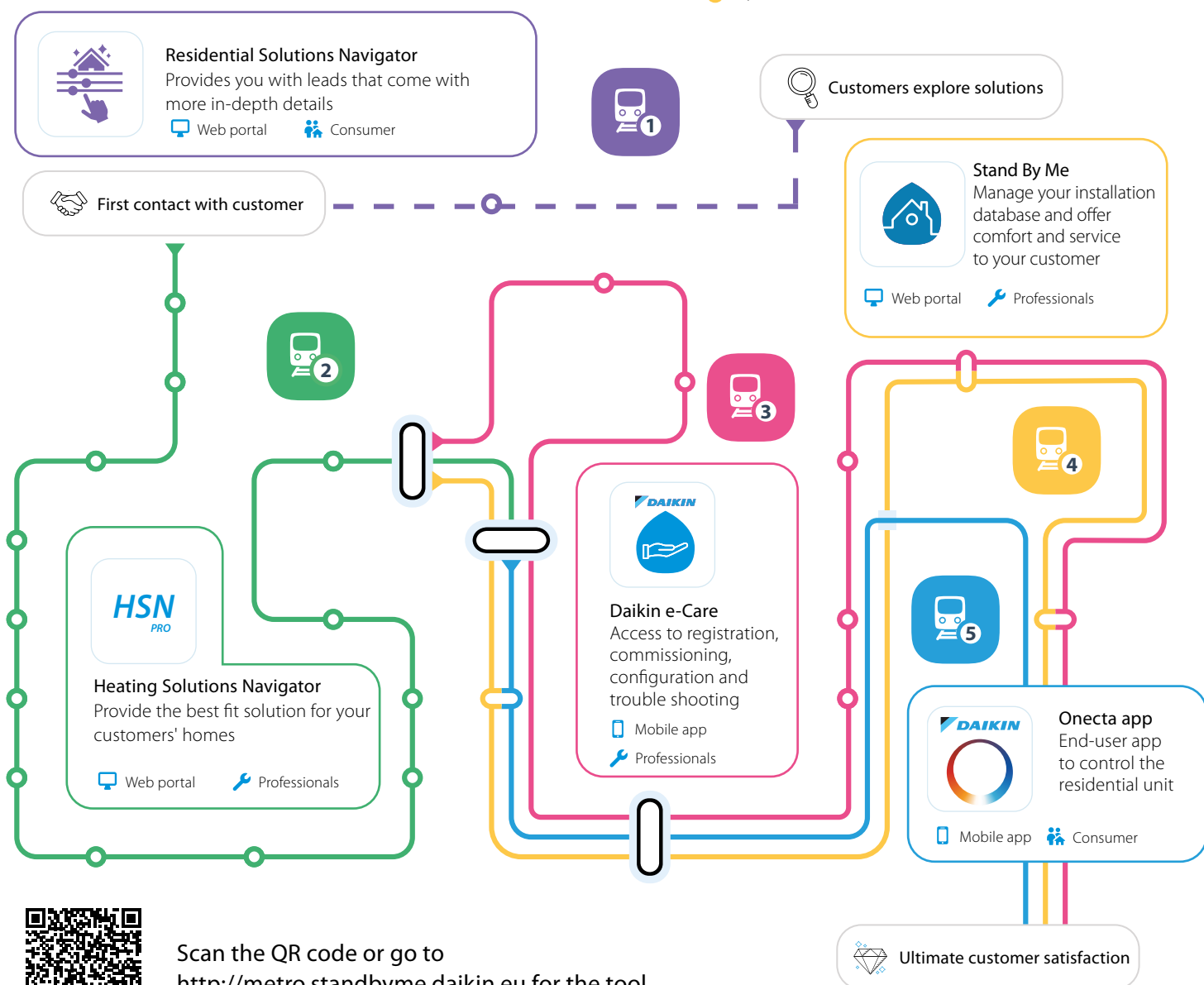
- e-Configuration tool
- Hydrobalancing tool
- Installation registration
- Commissioning tool
- Maintenance
- Maintenance guide
- e-Doctor
- Installation monitoring
- Spareparts ordering
- Repair

Daikin ONECTA App

- Installation registration
- Warranty extension
- Maintenance
- Repair
- Remote control

Residential Solutions Navigator

- Residential Solutions Navigator



NEW

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!



Heating Solutions Navigator

Newest function:

- Multi-Family Home
- Integration Multi Selection Software
- New product range: Daikin Altherma 4 X



Residential Solutions Navigator

- Detailed Multi(+) calculation



Stand By Me

Newest functions:

- Trainings for professionals (SBM CP Program)
- Direct Service offering from professionals to end-users via SBM (Daikin à la Carte)



Daikin e-Care

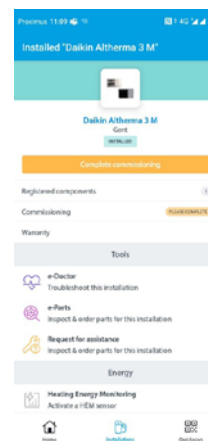
Newest function:

- Guided commissioning via online check list
- Support for trouble shooting
- Direct access to installation manuals
- Digital Key for Daikin Altherma 4

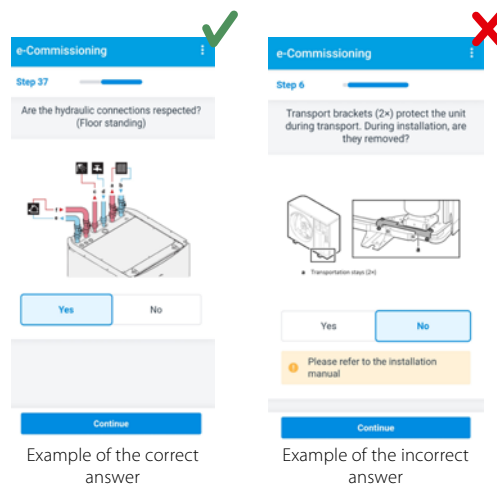
Guided commissioning via online checklist

e-Commissioning is the latest tool released in the e-Care app, aiming to improve the quality and reliability of Daikin installations. It is a step-by-step checklist that assists service partners during the commissioning of the unit.

- Product-specific and country-specific checklist, to ensure maximum flexibility of use and compliance with local requirement
- Get instant feedback if there are problems with the checklist (screen will display an error message)
- Generated PDF report available at all times via the e-Care app or via the SBM professional portal
- Generated commissioning documents automatically sent to the end user in case of successful commissioning
- Possibility to save a draft of the checklist at any time
- Offline use
- Possibility to upload pictures of the installation site
- Possibility to add end user and professional signatures
- Available for Daikin Altherma units



e-Care installation details after Registration



Example of the correct answer

Example of the incorrect answer

Scan the QR code to download Daikin e-Care now



Introduction

Residential indoor air quality

Heating

Split

Sky Air

Rooftop

VRV

Commercial Ventilation & Air purification

Marine Industry

Chillers

Fan coil units

Air handling units

Commercial & Transport Refrigeration

Control systems

Stand By Me Certified Partner



Purpose of the programme

The programme was created to provide you and your customers **peace of mind**, ensuring **highest installation quality** and **after sales care** throughout the product lifespan.

We want to support our installer networks and provide you with **extensive training** given by Daikin professionals. Thanks to that, you will be able to **grow your business** with the **endorsement of a globally recognized brand**.

Benefits

- ✓ **Set yourself apart from the competition** with specialized knowledge to maximize installation speed, assure best quality and minimise the needs for call-backs after installation
- ✓ **Help you grow your business and expand your network** with advanced product trainings, **strong technical foundation** and enhanced visibility with Stand By Me Certified Partner logo
- ✓ Customers **value highly qualified professionals** with **recognized certification**. You provide them with an additional label of trust along with comprehensive product lifespan care of Daikin Altherma units.
- ✓ **Access to the wearables, professional protective equipment and accessories exclusive** to the Stand By Me Certified Partner network.



Certification levels

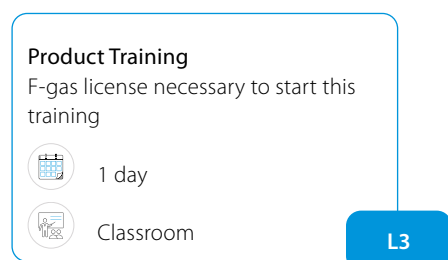
The authorization level depends on your programme participation. As a Certified Partner you are granted to conduct after-sales services for a specific product range.

There are 2 different programmes:

- Programme 1 applies to Daikin Altherma units based on R-32 refrigerant
- Programme 2 applies to Daikin Altherma units based on R-290 refrigerant

Programme 1: Daikin Altherma - R-32 range

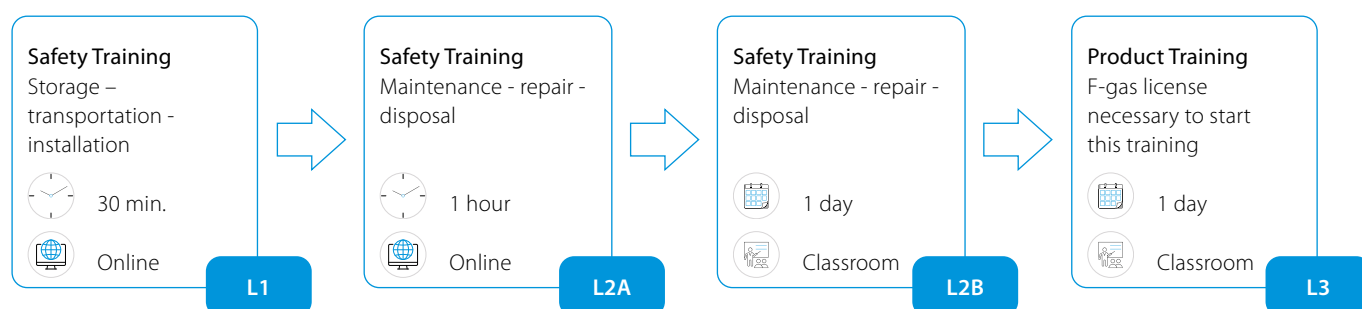
To perform maintenance/repair



This training is necessary to perform maintenance and repair activities on R-32 products for contracts on Stand By Me platform that belong to the Daikin Altherma 3 series.

Programme 2: Daikin Altherma - R-290 range

To perform commissioning/maintenance/repair



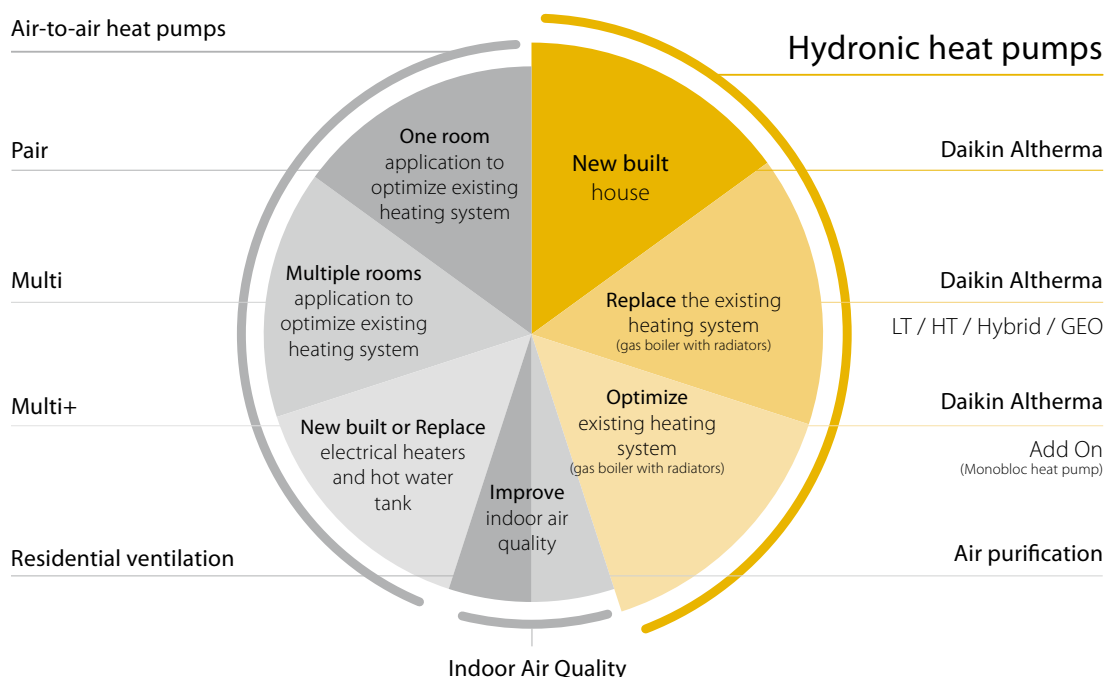
These trainings are necessary to perform commissioning, maintenance and repair activities on R-290 products that belong to the Daikin Altherma 4 series.

Join us!

Register to become a Certified Partner:



6 reasons to choose a heat pump



1 A heat pump increases the value of your property

The installation of heat pumps significantly enhances the Energy Performance Certificate (EPC) ratings of buildings in Europe, often improving them by one or two energy classes. This improvement leads to energy savings, increased comfort, and a better environmental profile, which can boost property values or rental fees by 2 to 8%.



2 Projections of savings on energy costs by heat pumps

The installation of a heat pump to substitute a natural gas boiler is expected to generate energy savings over 10 years. Energy savings are likely to grow at a steady pace over the years. Daikin Europe conducted simulations to forecast energy prices, considering factors such as historical prices, the European Emission Trading System (ETS), and future carbon taxation. A case study estimated savings for a reference house with a heating demand of 10,000 kWh, showing that using a heat pump can save a total of €2,602 over the decade.



To find out more about the case study, please refer to the paper. Link in the QR code.



3 Overview of incentive schemes on heat pump technology

Although heat pumps may require a higher initial investment than traditional heating systems, they are often eligible for government incentives and premiums. To contrast climate change, many governments are phasing out gas and oil boilers and promoting low-carbon solutions like heat pumps. Historically, convincing homeowners to switch to heat pumps has been challenging, but rising gas prices and the availability of subsidies across Europe are increasing interest and acceptance. These subsidies significantly enhance the competitiveness of heat pumps, accelerating the transition to sustainable heating solutions.



4 Seamless comfort all-year-round

Our systems provide heating, cooling, and domestic hot water from a single, efficient source. By adapting the home's specific needs, they ensure optimal comfort in every season. This intelligent design reduces energy consumption while maintaining consistent performance. The result is a sustainable solution that simplifies daily living.



5 Environmental impact of heat pumps

Heat pumps are vital for achieving the EU's decarbonization goals. A case study shows that Daikin heat pumps can be 2 to 24 times less carbon-intensive than gas boilers, leading to annual CO₂ savings of 0.2 to 2 tons, depending on the electricity grid.

The EU Green Deal aims to reduce greenhouse gas emissions by 55% by 2050. With buildings responsible for 40% of energy use and 36% of emissions, heat pumps provide a more efficient and eco-friendly solution. Benefits include high efficiency and reduced fossil fuel dependency, with projections indicating a reduction of 21 billion cubic meters in gas demand for heating by 2030.



6 Synergies among the usage of heat pumps with solar panel (PV) systems

A heat pump can enhance the self-consumption rate of a residential photovoltaic (PV) installation by about 10%, yielding annual financial benefits of €80 to €120, depending on energy prices. This is based on a Daikin case study of a 5 kWp PV system and a heat pump with a 250 liter tank in Belgium. Combining heat pumps with PV panels allows households to use free solar electricity for heating and hot water, reducing reliance on gas. As feed-in tariffs decrease across Europe, maximizing self-consumption becomes increasingly important. The heat pump can utilize excess solar energy to heat domestic hot water, effectively acting as an "energy battery" by storing energy for later use.

To read full articles with
in-depth analysis scan
QR code and visit our website:





Heat Pumps

▪ Indoor units	90
▪ Daikin Altherma 4 H NEW	94
- Daikin Altherma 4 H F	102
- Daikin Altherma 4 H ECH ₂ O	104
- Daikin Altherma 4 H W	108
▪ Daikin Altherma 3 H MT/HT	112
- Daikin Altherma 3 H MT/HT F	114
- Daikin Altherma 3 H MT/HT ECH ₂ O	117
- Daikin Altherma 3 H MT/HT W	121
▪ Daikin Altherma 3 R MT	126
- Daikin Altherma 3 R MT F	128
- Daikin Altherma 3 R MT ECH ₂ O	131
- Daikin Altherma 3 R MT W	135
▪ Daikin Altherma 3 R (ERLA-D series, 11-14-16 kW)	140
- Daikin Altherma 3 R F	142
- Daikin Altherma 3 R ECH ₂ O	146
- Daikin Altherma 3 R W	150
▪ Daikin Altherma 3 R (ERGA-E series, 4-6-8 kW)	154
- Daikin Altherma 3 R F	156
- Daikin Altherma 3 R ECH ₂ O	159
- Daikin Altherma 3 R W	164
▪ Daikin Altherma 3 M	168
- Daikin Altherma 3 M (4-6-8 kW)	170
- Daikin Altherma 3 M (9-11-14-16 kW)	172
▪ Daikin Altherma M HW	176
▪ Daikin Altherma	
Ground source heat pump	182
- Daikin Altherma 3 GEO	182
▪ Daikin Altherma Hybrid heat pump	188
- Daikin Altherma H Hybrid	188
- Daikin Altherma R Hybrid + multi	196

Daikin Altherma heat pump portfolio

At Daikin, heat pumps are at the heart of everything we do. Our residential solutions include a broad portfolio—from air-to-water and hybrid systems to ground source heat pumps. Designed for year-round comfort, Daikin heat pumps deliver efficient heating, cooling, and domestic hot water tailored to every home.

Outdoor unit																
		Material name	03	04	05	06	07	08	09	10	11	12	14	16	18	
Air to water heat pumps	 Daikin Altherma 4 H	EPSKS-AV3		● R-290		● R-290	● R-290									
		EPSK-AV3/W1				● R-290		● R-290		● R-290		● R-290	● R-290			
	 Daikin Altherma 3 H HT	EPRA-DV37/W17											● R-32	● R-32	● R-32	
	 Daikin Altherma 3 H MT	EPRA-EV3/W1						● R-32		● R-32		● R-32				
	 Daikin Altherma 3 R MT	ERRA-EV3/W1						● R-32		● R-32		● R-32				
	 Daikin Altherma 3 R	ERGA-EV(A)/(H)(7)		● R-32		● R-32		● R-32								
	 Daikin Altherma 3 R	ERLA-DV3/W1(7)									● R-32		● R-32	● R-32		
	 Daikin Altherma 3 M	EBLA-E		● R-32		● R-32		● R-32								
		EDLA-E		● R-32		● R-32		● R-32								
 Daikin Altherma 3 M	EBLA-D(7)								● R-32		● R-32		● R-32	● R-32		
	EDLA-D								● R-32		● R-32		● R-32	● R-32		
Hybrid heat pump	 Daikin Altherma H Hybrid	EJHA-AV3		● R-32												
Ground source heat pump	Daikin Altherma 3 GEO															
	Daikin Altherma 3 WS															
Gas condensing boiler	Daikin Altherma C Gas W															



Indoor unit

	Material name	03	04	05	06	07	08	09	10	11	12	14	16	18	22	24	28	32	33	35
	F EPVX-A4V/9W					•														
	ECH ₂ O EPSX(B)-P-A					•														
	W EPBX-AV4					•														
	F EPVX-S-A4V/9W								•			•								
	ECH ₂ O EPSX(B)-P-A								•			•								
	W EPBX-AV4/9W								•			•								
	F ETVH/X/Z-E7												•							
	ECH ₂ O ETSH(B)/X(B)-E7												•							
	W ETBH/X-E7												•							
	F ETVH/X/Z-E										•									
	ECH ₂ O ETSH(B)/X(B) P-E										•									
	W ETBH/X-E										•									
	F ELVH/X/Z-E										•									
	ECH ₂ O ELSH/X(B)-E										•									
	W ELBH/X-E										•									
	F EHVH/X/Z-E		•																	
	ECH ₂ O EHSB(B)/X(B)-P-E		•																	
	W EHBH/X-E		•																	
	F EBVH/X/Z-D								•				•							
	ECH ₂ O EBSB(B)/X(B)-D								•				•							
	W EBBH/EBBX-D								•				•							
	Boiler EHY2KOMBA A																•	•		
	EGSAH/X-D9W				•				•											
	EWSA-D				•															
	Boiler D2CND-A1A/A4A /															•	•			•
	D2TND-A4A										•			•		•	•			•
	D2CNL-A1A															•				
	EHOBG-A										•			•						
	EKOMBG-A / EKOMB-AH														•		•		•	

F - Integrated floor standing

W - Wall mounted

ECH₂O - HPSU

X - Reversible

H - Heating only

One solution, multiple combinations

Daikin Altherma product ranges can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

Daikin indoor units can be installed in different places, garage, basement, utility room or even a kitchen while still blending in with the indoor design.

The units have also been designed to ease the work of the installer and therefore contribute to your peace of mind!

Integrated DHW stainless steel tank model



Integrated ECH₂O DHW tank model



Wall mounted model



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

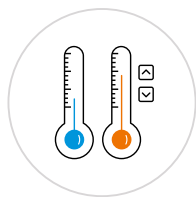
Work super-fast with the new interface. It's super easy to use with an intuitive touch screen interface.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

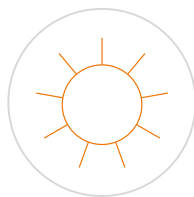


Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.



Reversible model

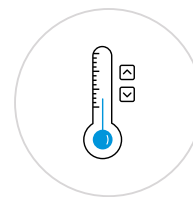
If cooling is needed, all three indoor units have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



Heating only model

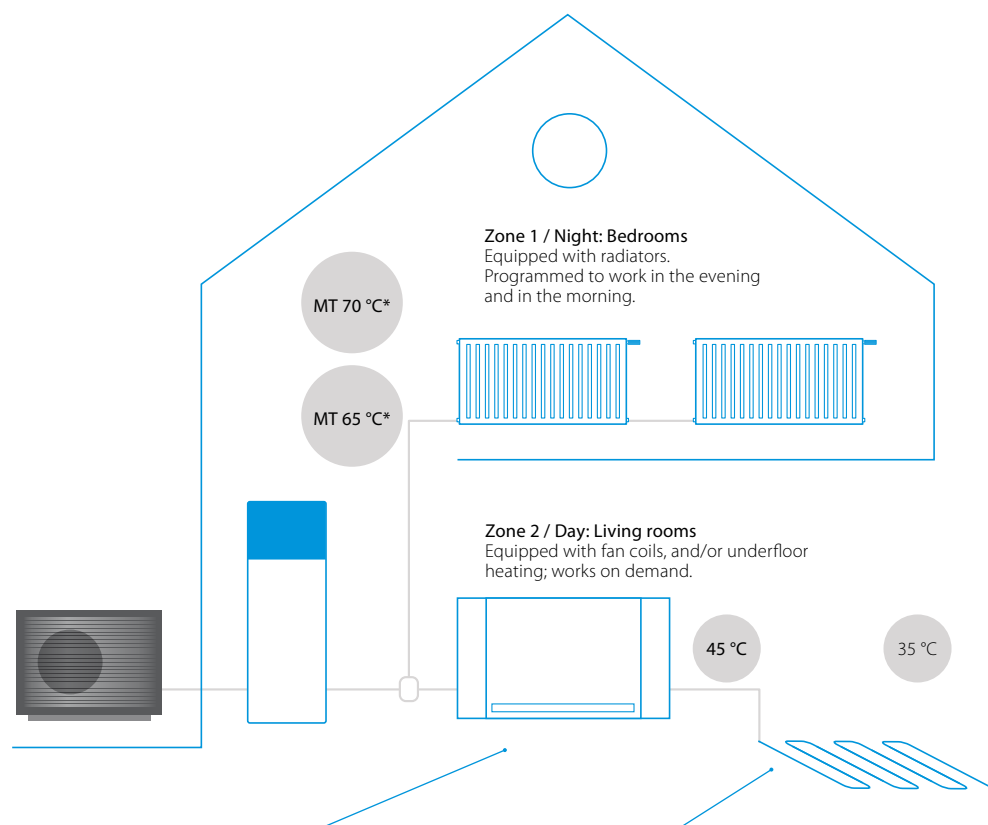
Some series offer a dedicated heating only unit for homes needing just heating and domestic hot water. In others, cooling can be disabled via installer settings.

Bizone model: If your home has emitters needing different water temperatures, use a bizone kit or dedicated bizone model to manage both zones.



Bizone model

Only the DHW stainless steel tank model has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (for example: underfloor heating system in the living room and radiators in the bedrooms upstairs).



Daikin Altherma HPC (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive mid-temperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.



Control with Onecta app



Indoor units are applicable for:

Daikin Altherma 3 R (ERGA-E series, 4-6-8 kW)
Daikin Altherma 3 R (ERLA-D series, 11-14-16 kW)
Daikin Altherma 3 H MT/HT
Daikin Altherma 3 R MT
NEW Daikin Altherma 4 H (with 5" touchscreen)

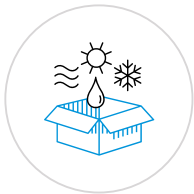
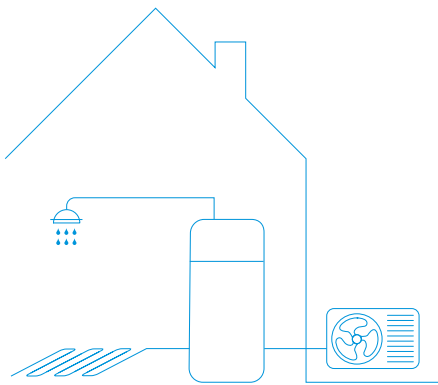
Discover more on page 246

Indoor units

Floor standing unit

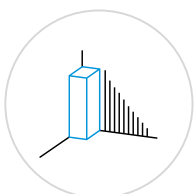
Why choose Daikin Altherma floor standing unit with integrated domestic hot water tank?

The Daikin Altherma floor standing unit is the ideal system to deliver heating, domestic hot water and cooling for renovation or new built.



All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Integrated back-up heater choice of 4, 6 or 9 kW models are available
- Dedicated bi-zone models providing different water temperatures to zones with different needs. For example, 35°C for underfloor heating and 45°C for radiators in the same house.

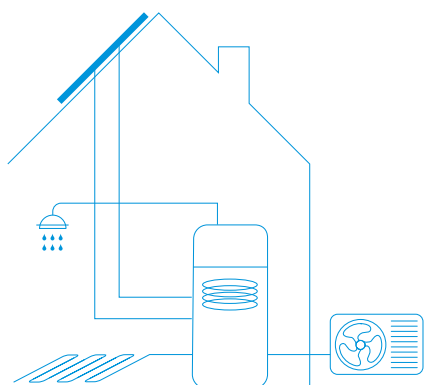


Reduces the installation footprint

- Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.
- For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.
- With unit height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.
- The compactness is emphasised by its sleek design and modern look, easy blending in with other household appliances.

Floor standing unit with integrated ECH₂O tank

The Daikin Altherma with integrated ECH₂O tank is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.



Innovative and high-quality tank

- Lightweight plastic tank
- No corrosion, anode, scale or lime deposits
- Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

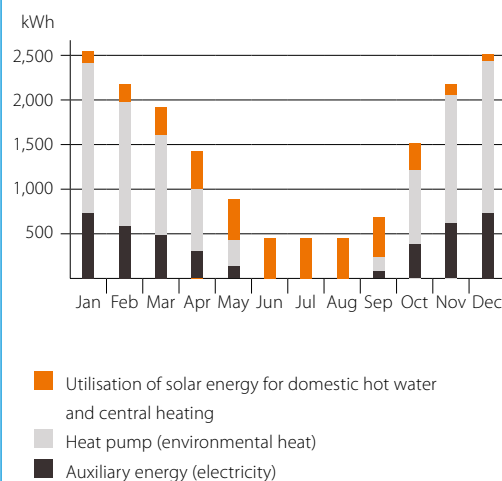
Intelligent storage management

- The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- Continuous heating during defrost mode and use of stored heat for space heating (500 L tank only)
- Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- Achieves the highest standards for water sanitation
- Uses more renewable energy with solar connection

Combinable with other heat sources

- The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

Monthly energy consumption of an average detached house



ECH₂O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

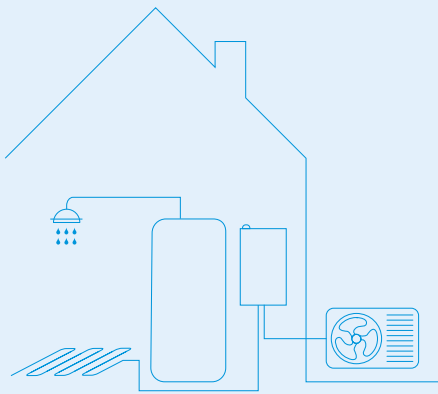
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised thermal solar system.

Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.



High flexibility for installation

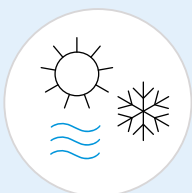
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH₂O thermal store



Flexibility in providing domestic hot water connection

Whether you only need hot water or you want to combine it with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.

- ECH₂O thermal store with fresh water principle: domestic hot water on demand while eliminating the risk of contamination and sedimentation. Possible to integrate with renewable thermal solar energy.
- Stainless steel tanks: if installation height is limited, a separate stainless steel tank provides the required installation flexibility thanks to the different sizes available.



Flexibility in providing space heating

The wall mounted unit is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.



Daikin Altherma 4 H

New high temperature air-to-water heat pump, perfect for any house modernization

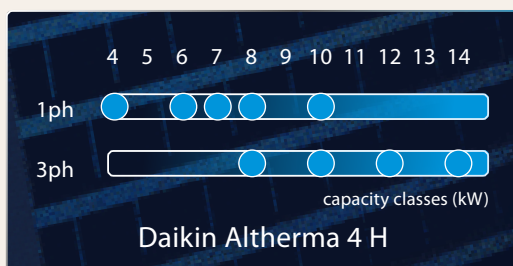
Daikin Altherma 4 H is an extremely efficient high temperature heat pump made to cover the needs of existing houses with traditional heating emitters.

Made for easy transition to more efficient, sustainable, comfortable and safe heating system.

NEW

Mounting stand and cover

To make your outdoor unit blend in even more with your garden or terrace, a mounting stand and cover will make the look complete.



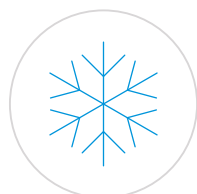
New capacities:

- 4, 6 and 7 kW



Technology designed to boost performance to the next level

Engineered with in-house developed and produced key components, such as the compressor and the micro-channel heat exchanger, creates a synergy that ensures unmatched performance in all weather conditions.



High capacity
at cold ambient
Up to 13kW at -7/55°C



LWT at 75 °C
down to -15 °C



Low sound:
down to 28 dBA at
3 meters distance



Reliable cold climate operation

With best-in-class heating capacity, Daikin Altherma 4 H delivers up to 13 kW at -7/55°C (for 14kW unit), ensuring warmth when it matters most.

Daikin Altherma 4 operates down to -28°C even in the harshest conditions, providing consistent comfort no matter the weather.

Good replacement solution

Daikin Altherma 4 H is perfect for replacing fossil fuel boilers, as it fits seamlessly with existing radiators, delivering outstanding leaving water temperatures (LWT) of 70-75°C even at -15°C.



Operation range down
to -28 °C

Applicable for single family houses

Daikin Altherma 4 H is perfectly suited for single-family homes, with an outdoor unit that can be conveniently installed on the roof or in the garden.



At 55°C average climate



Domestic Hot Water

Setting new boundaries in heat pump technology

We introduce to you our 4th generation, with R-290 refrigerant.

Every home deserves a sustainable and cost-saving heating system. That's why in Daikin Altherma 4 we put eco-friendly R-290 refrigerant, a Daikin developed compressor, and a fan to make it highly efficient. Enjoy the affordable warmth with no worries about energy bills.



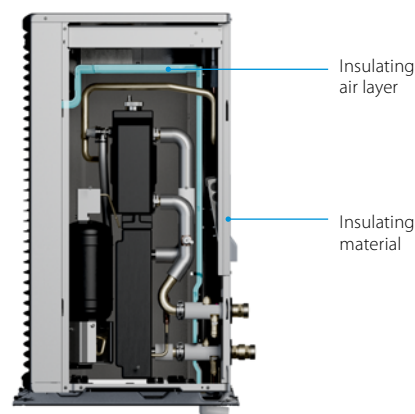
R-290 Refrigerant

- R-290 is a **category A3 refrigerant** (according to DIN EN 378).
- Daikin provides the highest safety standards in the industry, incorporating advanced product features (see page 98)
- The handling of A3 refrigerants is thus neither new nor unusual. However, some basic precautions must be taken into account during storage and transport.

R-290

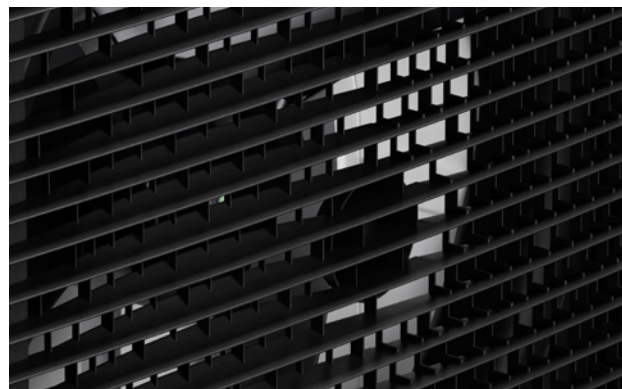
Engineered for whisper-quiet operation.

Equipped with new soundbox and improved insulation technology to ensure peaceful environment. The sound box is mounted on the bottom plate instead of on the anti-vibration plate, with increased insulation.

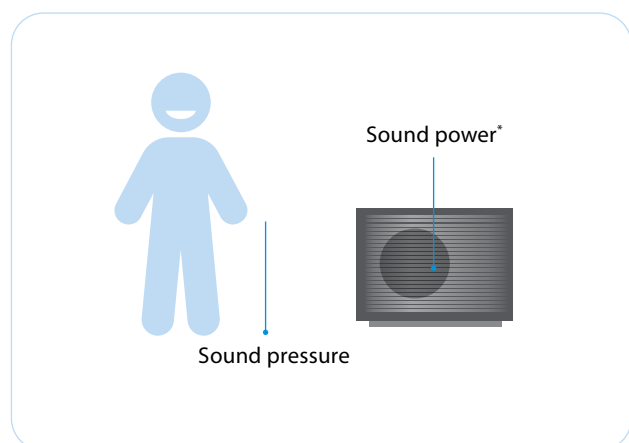
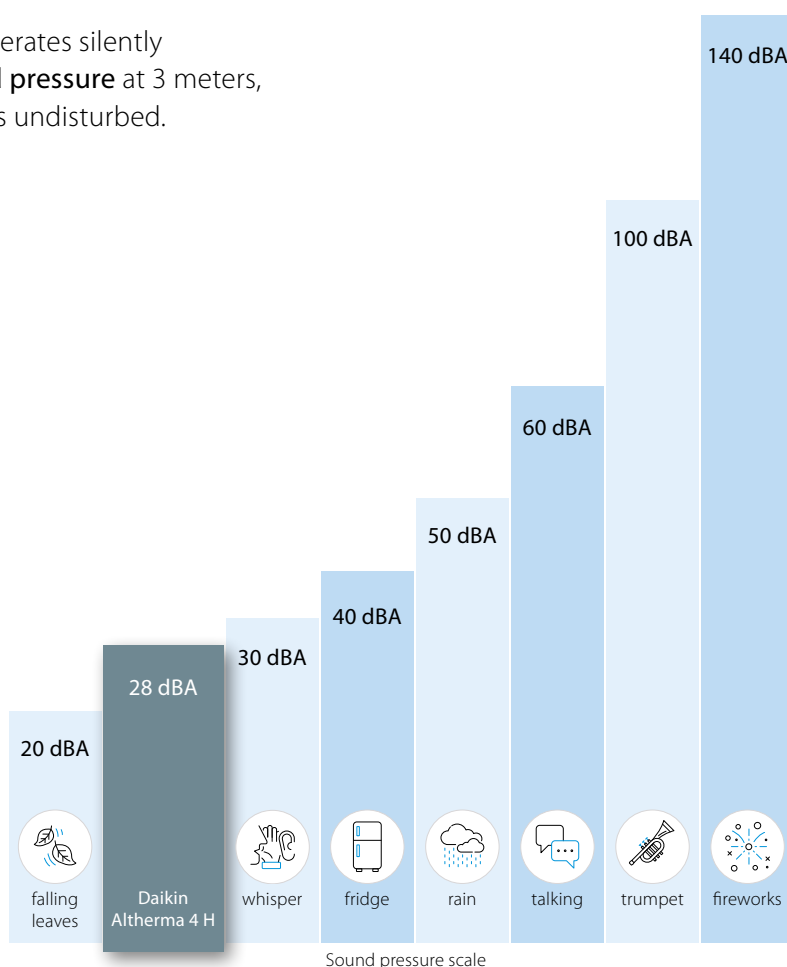


The innovative louvered grill was especially designed to minimize **sound power** to the impressive level of 48 – 54 dBA, ensuring uninterrupted peace.

- Contemporary sleek award winning design
- Black louvered grill minimizes the visibility of the fan. It is made of >50% recycled plastics from industrial waste.
- Integrates seamlessly with the surrounding environment by reflecting the surroundings on its cover and side panels



Daikin Altherma 4 H operates silently down to **28 dBA sound pressure** at 3 meters, making days and nights undisturbed.



The acoustic level can be evaluated in two ways

- The **sound power** is generated by the unit itself, independently of distance and environment
- The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.

* Erp sound power:

- class 04-06-07 - 48 dBA
- class 06-08 - 45 dBA
- class 10 - 47 dBA
- class 12-14 - 52 dBA

Highest safety standards in the industry

At Daikin, safety is our top priority. The Daikin Altherma 4 H heat pump is designed to set new industry safety standards, incorporating advanced features such as a high-efficiency gas separator and factory-mounted anti-freeze valves.

These components, developed specifically for Daikin, ensure unparalleled safety and performance.

Sealed Switchbox:

- Placed away from the refrigerant connections, on top of the fan
- The full sealing prevents R-290 to get inside the switchbox



Gas leak sensor:

- Detects potential refrigerant leaks
- In case of leak detection, sensor automatically triggers the fan to run at maximum speed, effectively ventilating the area to prevent the buildup of a flammable gas cloud.
- Minimum hourly self-inspection check, ensuring ongoing protection.



Refrigerant vessel:

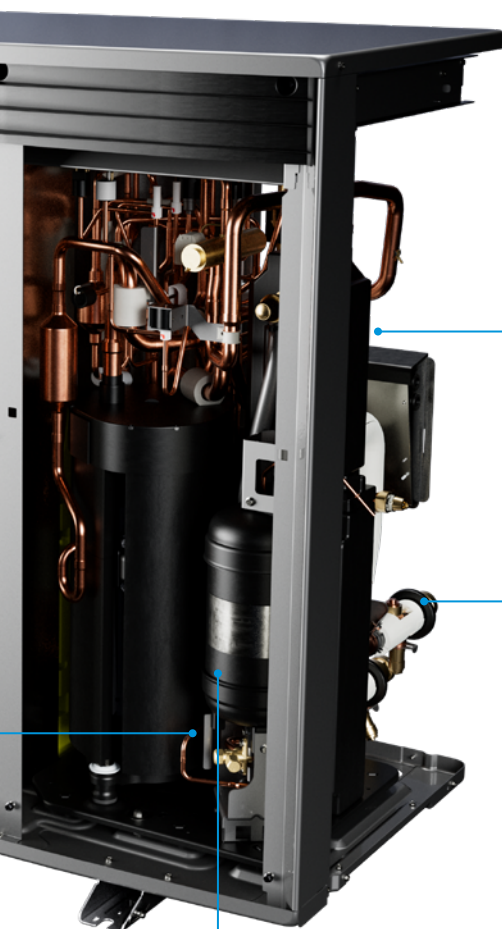
- Protects refrigerant against possible damage during storage and transportation, that might cause leakages
- After installation, R-290 is released into the refrigerant cycle
- It can survive a 10 metres height drop without leakage





Gas separator:

- In the outdoor unit prevents R-290 to reach the indoor unit via the water circuit.



Anti-freeze valve:

- Protects the plate heat exchanger against freezing
- Avoids R-290 leaks going from the refrigerant circuit to the water circuit

Intelligent control

Straightforward and easy to use

Daikin's Altherma 4 H new intelligent control system is designed to enhance the user experience and installers efficiency.

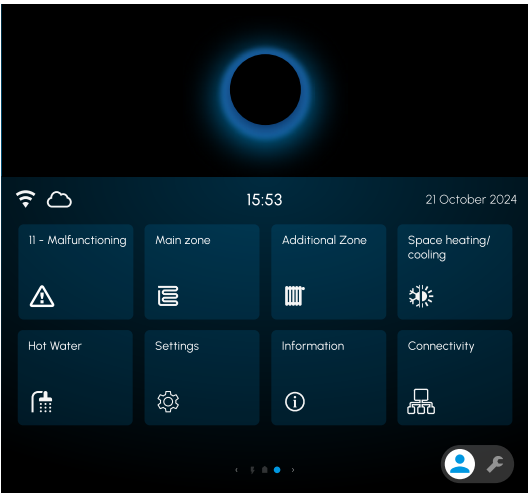
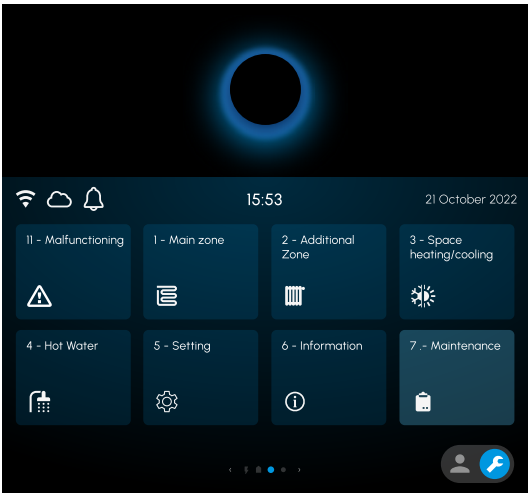
With advanced features like a 5" color touch screen, and streamlined commissioning, this system ensures reliable performance and easy management.

It offers secure settings access and future-proof technology, making it the ultimate choice for seamless installation and maintenance.

New intuitive **MMI 5" touchscreen** for better user experience.

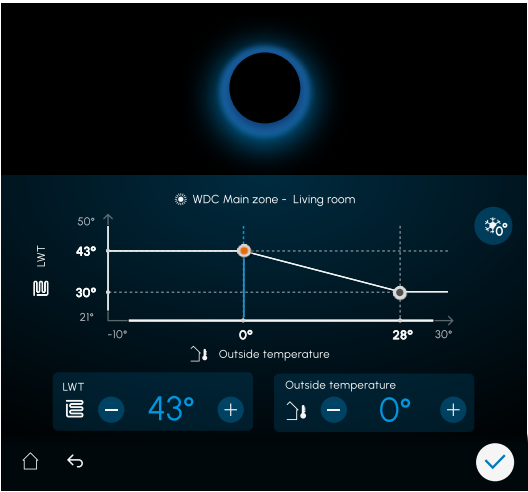
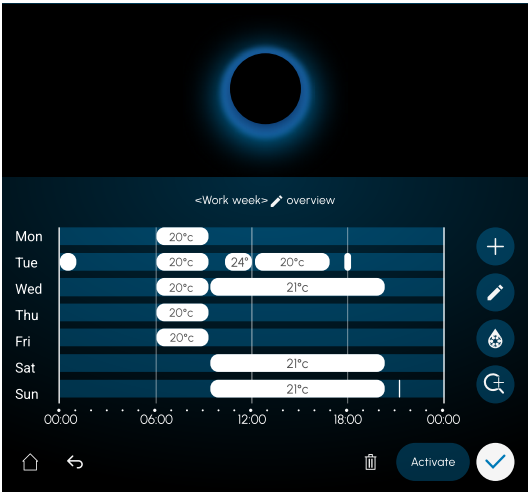


Easy customer access to main functionalities.



Installer settings only visible in installer mode

Block based easy scheduling for cooling and heating



Thanks to the Weather Dependent Curve – optimal comfort and high efficiency with automatically determined desired temperature.

Daikin Altherma 4 H F

Floor standing air to water heat pump
for heating, cooling and hot water

- New intuitive MMI 5" touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Integrated back-up heater of 4.5 or 9 kW



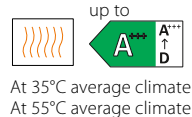
EPSKS-AV3



EPVX07A



011-1W1131



Efficiency data				EPVX + EPSKS		07AS18A4V + 04AV3	07S23A4V/9W + 04AV3	07S23A4V/9W + 04AV3	07AS18A4V + 06AV3	07S23A4V/9W + 06AV3	07S23A4V/9W + 06AV3	07AS18A4V + 07AV3	07S23A4V/9W + 07AV3	07S23A4V/9W + 07AV3
Heating capacity		Nom.		kW	5.25									
Power input		Heating		kW	1.02									
 Space heating	Average climate water outlet 55°C	General	SCOP		3.69			3.81			3.83			
			η_{sp} (Seasonal space heating efficiency)	%	145			150						
			Seasonal space heating eff. class											
			Prated at -10°C	kW	4.6			7.0						
			SCOP		5.03			5.05						
 Domestic hot water heating	Average climate water outlet 35°C	General	η_{sp} (Seasonal space heating efficiency)	%	198						199			
			Seasonal space heating eff. class											
			Prated at -10°C	kW				6.1						
			Declared load profile					L						
			COP _{dhw}					3.32						
 Domestic hot water heating	Average climate	General	η_{wh} (water heating efficiency)	%				133						
			Water heating energy efficiency class											
Indoor Unit				EPVX	07AS18A4V	07AS23A4V/9W	07AS18A4V	07AS23A4V/9W	07AS18A4V	07AS23A4V/9W	07AS18A4V	07AS23A4V/9W		
Casing	Colour	Material			White									
					Precoated galvanized steel + plastic									
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit		kg		94.0	111	94.0	111	94.0	111	94.0	111		
Tank	Water volume		l		180	230	180	230	180	230	180	230		
	Maximum water temperature		°C		0.00									
	Maximum water pressure		bar		10									
	Corrosion protection				Pickling									
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35(4)									
		Heating	Water side	Min.~Max.	°C	15~70								
		Domestic hot water	Water side	Min.~Max.	°C	10~70								
Sound power level	Nom.		dBA		45.0(1)									
Sound pressure level	Nom.		dBA		31.0(2)									
Outdoor Unit				EPSKS	04AV3		06AV3		07AV3					
Dimensions	Unit	HeightxWidthxDepth	mm		958x1,220x535									
Weight	Unit		kg		109									
Compressor	Quantity				1									
	Type				Hermetically sealed swing compressor									
Operation range	Heating	Min.~Max.	°CDB		-28.0~25									
		Min.~Max.	°CDB		10~43									
		Domestic hot water	Min.~Max.	°CDB		-28~40								
Refrigerant	Type				R-290									
	GWP				3.0									
	Charge		kg		0.830									
	Charge		tCO ₂ Eq		0.0025									
	Control				Expansion valve									
Sound power level	Heating	Nom.	dBA		48.2 (5)									
		Nom.	dBA		56.7 (6)									
Sound pressure level	Heating	Nom.	dBA		29.1 (5)									
		Nom.	dBA		37.3 (6)									
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240									
Current	Recommended fuses			A	16							25		

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3) Refer to operation range of the unit. | (4) Depends on operation mode, refer to installation manual. | (5) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (6) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on dT of 45 K | Minimum required volume, excluding the volume in the unit | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Daikin Altherma 4 H F

Floor standing air to water heat pump for heating, cooling and hot water

- New intuitive MMI 5" touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Integrated back-up heater of 4.5 or 9 kW



EPVX10-14A4V



EPVX10A9W



EPVX14A4V



EPVX14A9W



011-1W0929
011-1W0930
011-1W0931
011-1W0933
011-1W0934
011-1W1097



At 35°C average climate
At 55°C average climate



up to
A+++
A++
A+
A
A-
B
C
D
E
F
G

up to
75 °C

LWT 75°C
at -15°C

R-290

Efficiency data				EPVX + EPSK		10S18/S23A4V/9W	10S18/S23A4V/9W	10S18/S23A4V/9W	10S18/S23A4V/9W	10S18/S23A4V/9W	14S18/S23A4V/9W	14S18/S23A4V/9W	
						+ 06AV3	+ 08AV3	+ 10AV3	+ 08AW1	+ 10AW1	+ 12AW1	+ 14AW1	
Heating capacity			Nom.	kW		5.81	7.62	8.11	7.62	8.11	10.2		
Power input			Heating	kW		1.12	1.52	1.64	1.52	1.64	1.86		
 Space heating	Average climate water outlet 55°C	General	SCOP			3.91	3.97	4.02	3.94	3.99	4.04	3.84	
			η _{sp} (Seasonal space heating efficiency)	%	153	156	158	155	157	159	150		
			Seasonal space heating eff. class										
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10.5	14		
			SCOP		5.12	5.15		5.14		4.96			
Average climate water outlet 35°C	General	SCOP			202	203		202	203		195		
		η _{sp} (Seasonal space heating efficiency)	%										
		Seasonal space heating eff. class											
		Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10	12			
		Declared load profile											
 Domestic hot water heating	Average climate	General	COP _{dhw}			2.93		2.91		3.03			
			η _{wh} (water heating efficiency)	%	117		116		121				
			Water heating energy efficiency class										
Indoor Unit				EPVX		10S18/S23A4V/9W				14S18/S23A4V/9W			
Casing	Colour				White								
	Material				Precoated galvanized steel + plastic								
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625/1,850x595x625								
Weight	Unit			kg	94.0/111								
Tank	Water volume		l		180/230								
	Maximum water temperature		°C		0.00								
	Maximum water pressure		bar		10								
	Corrosion protection				Pickling								
	Operation range				5~35 (3)								
Operation range	Indoor installation	Ambient	Min. - Max.	°CDB									
		Heating	Water side Min.~Max.	°CDB	15~70				15~75				
		Domestic hot water	Water side Min.~Max.	°CDB	10~75								
Sound power level	Nom.			dBA	45.0 (1)								
Sound pressure level	Nom.			dBA	31.0 (2)								
Outdoor Unit				EPSK		06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1	
Dimensions	Unit	HeightxWidthxDepth	mm		1,123x1,330x604								
Weight	Unit			kg	174				178		191		
Compressor	Quantity				1								
	Type				Hermetically sealed scroll compressor								
Operation range	Heating	Min.~Max.	°CDB		-28~25								
	Cooling	Min.~Max.	°CDB		10~43								
	Domestic hot water	Min.~Max.	°CDB		-28~40								
Refrigerant	Type				R-290								
	GWP				3								
	Charge			kg	1				1.25				
	Charge			tCO2Eq	0.003				0.0038				
	Control				Expansion valve								
Sound power level	Heating	Nom.	dBA		45 (4)		47 (4)	45 (4)	47 (4)	52 (4)			
	Cooling	Nom.	dBA		52.2 (5)	53 (5)	53.2 (5)	53 (5)	53.2 (5)	62 (5)	63 (5)		
Sound pressure level	Heating	Nom.	dBA		32.6 (4)	32.4 (4)	32.8 (4)	32.4 (4)	32.8 (4)		38 (4)		
	Cooling	Nom.	dBA		36.9 (5)	37.2 (5)	37.3 (5)	37.2 (5)	37.3 (5)	47 (5)	48 (5)		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230				W1/3~/50/400				
Current	Recommended fuses			A	25				16				

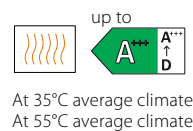
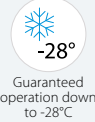
(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | (3) Depends on operation mode, refer to installation manual. | (4) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (5) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on dT of 45 K | Minimum required volume, excluding the volume in the unit | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511

Daikin Altherma 4 H

ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- New intuitive MMI 5" touchscreen for better user experience
- Integrated back-up heater of 9 kW
- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation



011-1W1132
011-1W1133



EPSKS-AV3



EPSX07A

Efficiency data				EPSX + EPSKS	07P30A + 04AV3	07P50A + 04AV3	07P30A + 06AV3	07P50A + 06AV3	07P30A + 07AV3	07P50A + 07AV3	
Heating capacity		Nom.	kW	5.25							
Power input		Heating	kW	1.02							
	Average climate water outlet 55°C	General	SCOP	3.69			3.81		3.83		
		η _{sp} (Seasonal space heating efficiency) %			145		150				
		Seasonal space heating eff. class									
	Average climate water outlet 35°C	General	Prated at -10°C	4.6			7.0				
		SCOP	5.03			5.05					
		η _{sp} (Seasonal space heating efficiency) %			198		199				
		Seasonal space heating eff. class									
		Prated at -10°C			6.1						
	General	Declared load profile		L	XL	L	XL	L	XL		
	Average climate	COP _{dhw}		2.91	3.35	2.91	3.35	2.91	3.35		
	η _{wh} (water heating efficiency) %		116	134	116	134	116	134			
	Water heating energy efficiency class										
Indoor Unit				EPSX	07P30A	07P50A	07P30A	07P50A	07P30A	07P50A	
Casing		Colour		Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)							
		Material		Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837		
Weight	Unit		kg	84.0	109	84.0	109	84.0	109		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85.0							
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35						
	Heating	Water side	Min.~Max.	°C	15~70						
	Domestic hot water	Water side	Min.~Max.	°C	10~70						
	Sound power level	Nom.		dBA	47.0						
Sound pressure level		Nom.		dBA	24.8						
Outdoor Unit				EPSKS	04AV3	04AV3	06AV3	06AV3	07AV3	07AV3	
Dimensions	Unit	HeightxWidthxDepth	mm	958x1,220x535							
Weight	Unit		kg	109							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-28.0~25							
	Cooling	Min.~Max.	°CDB	10~43							
	Domestic hot water	Min.~Max.	°CDB	-28~40							
Refrigerant	Type			R-290							
	GWP			3.0							
	Charge		kg	0.830							
	Charge		tCO ₂ Eq	0.0025							
	Control			Expansion valve							
Sound power level	Heating	Nom.	dBA	48.2 (2)							
	Cooling	Nom.	dBA	56.7 (3)							
Sound pressure level	Heating	Nom.	dBA	29.1 (2)							
	Cooling	Nom.	dBA	37.3 (3)							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240						
Current	Recommended fuses			A	16				25		

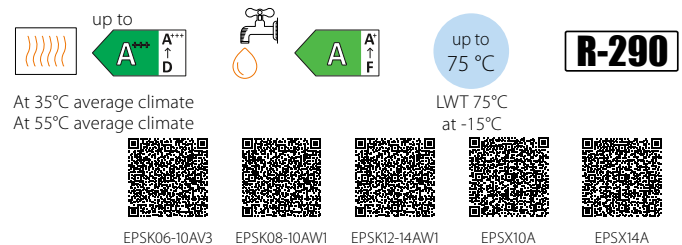
(1) Refer to drawing operation limits | (2) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (3) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Daikin Altherma 4 H

ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- New intuitive MMI 5" touchscreen for better user experience
- Integrated back-up heater of 9 kW
- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation



Efficiency data			EPSX + EPSK	10P30/P50A + 06AV3	10P30/P50A + 08AV3	10P30/P50A + 10AV3	10P30/P50A + 08AW1	10P30/P50A + 10AW1	14P30/P50A + 12AW1	14P30/P50A + 14AW1
Heating capacity	Nom.	kW		5.81	7.62	8.11	7.62	8.11	10.2	
Power input	Heating	kW		1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP	3.91	3.97	4.02	3.94	3.99	4.04	3.84
			η _s (Seasonal space heating efficiency)	153	156	158	155	157	159	150
			Seasonal space heating eff. class							
			Prated at -10°C	6.5	7.5	8.5	7.5	8.5	10.5	14
			kW							
	Average climate water outlet 35°C	General	SCOP	5.12	5.15		5.14		4.96	
			η _s (Seasonal space heating efficiency)	202	203		202		203	
			Seasonal space heating eff. class							
			Prated at -10°C	6.5	7.5	8.5	7.5	8.5	10	12
			kW							
Domestic hot water heating	General	Declared load profile		L						
	Average climate	COP _{dhw}		2.52						
		η _{wh} (water heating efficiency)	%	101						
		Water heating energy efficiency class								

Indoor Unit			EPSX	10P30/P50A					14P30/P50A		
Casing	Colour			Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)							
	Material			Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,914x590x671/1,906x785x837							
Weight	Unit		kg	84.0/105							
Tank	Water volume		l	294/477							
	Maximum water temperature		°C	85.0							
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35						
	Heating	Water side	Min.~Max.	°CDB	15~70					15~75	
	Domestic hot water	Water side	Min.~Max.	°CDB	10~75						
Sound power level	Nom.		dBA	49.0							
Sound pressure level	Nom.		dBA	35.0							
Outdoor Unit			EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1	
Dimensions	Unit	HeightxWidthxDepth	mm	1,123x1,330x604							
Weight	Unit		kg	174							
Compressor	Quantity			1							
	Type			Hermetically sealed scroll compressor							
Operation range	Heating	Min.~Max.	°CDB	-28~25							
	Cooling	Min.~Max.	°CDB	10~43							
	Domestic hot water	Min.~Max.	°CDB	-28~40							
Refrigerant	Type			R-290							
	GWP			3							
	Charge		kg	1							
	Charge		tCO2Eq	0.003							
	Control			Expansion valve							
Sound power level	Heating	Nom.	dBA	45 (1)		47 (1)	45 (1)	47 (1)	52 (1)		
	Cooling	Nom.	dBA	52.2 (2)	53 (2)	53.2 (2)	53 (2)	53.2 (2)	62 (2)	63 (2)	
Sound pressure level	Heating	Nom.	dBA	32.6 (1)	32.4 (1)	32.8 (1)	32.4 (1)	32.8 (1)	38 (1)		
	Cooling	Nom.	dBA	36.9 (2)	37.2 (2)	37.3 (2)	37.2 (2)	37.3 (2)	47 (2)	48 (2)	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230				W1/3~/50/400			
Current	Recommended fuses		A	25				16			

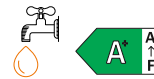
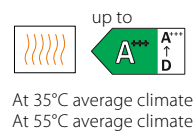
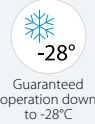
(1) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. (2) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to drawing operation limits | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | Capacity according to standard EN14511 and valid for heated water range dT = 3-8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511

Daikin Altherma 4 H

ECH₂O

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- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Bivalent system: combinable with a secondary heat source



011-1W1132
011-1W1133

Efficiency data				EPSXB + EPSKS		07P30A + 04AV3		07P50A + 04AV3		07P30A + 06AV3		07P50A + 06AV3		07P30A + 07AV3		07P50A + 07AV3	
Heating capacity				Nom.		kW						5.25					
Power input				Heating		kW						1.02					
 Space heating	Average climate water outlet 55°C	General	SCOP				3.69				3.81				3.83		
			ηs (Seasonal space heating efficiency)		%		145						150				
		Seasonal space heating eff. class															
		Prated at -10°C		kW		4.6						7.0					
	Average climate water outlet 35°C	General	SCOP				5.03				5.05				5.05		
			ηs (Seasonal space heating efficiency)		%		198						199				
		Seasonal space heating eff. class															
		Prated at -10°C		kW								6.1					
 Domestic hot water heating	General	Declared load profile				L		XL		L		XL		L		XL	
	Average climate	COPdhw				2.91		3.35		2.91		3.35		2.91		3.35	
		ηwh (water heating efficiency)		%		116		134		116		134		116		134	
		Water heating energy efficiency class															

Indoor Unit				EPSXB	07P30A	07P50A	07P30A	07P50A	07P30A	07P50A
Casing		Colour								
		Material								
Dimensions		Unit	HeightxWidthxDepth	mm	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837
Weight		Unit		kg	97.0	122	97.0	122	97.0	122
Tank		Water volume		l	294	477	294	477	294	477
		Maximum water temperature		°C				85.0		
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB				5~35		
	Heating	Water side	Min.~Max.	°C				15~70		
	Domestic hot water	Water side	Min.~Max.	°C				10~70		
	Sound power level	Nom.		dBA				47.0		
Sound pressure level		Nom.		dBA				24.8		

Outdoor Unit				EPSKS	04AV3	04AV3	06AV3	06AV3	07AV3	07AV3
Dimensions		Unit	HeightxWidthxDepth	mm				958x1,220x535		
Weight		Unit		kg				109		
Compressor		Quantity						1		
		Type						Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB					-28.0~25		
	Cooling	Min.~Max.	°CDB					10~43		
	Domestic hot water	Min.~Max.	°CDB					-28~40		
Refrigerant	Type							R-290		
	GWP							3.0		
	Charge		kg					0.830		
	Charge		tCO2Eq					0.0025		
		Control						Expansion valve		
Sound power level	Heating	Nom.	dBA					48.2 (2)		
	Cooling	Nom.	dBA					56.7 (3)		
Sound pressure level	Heating	Nom.	dBA					29.1 (2)		
	Cooling	Nom.	dBA					37.3 (3)		
Power supply		Name/Phase/Frequency/Voltage	Hz/V					V3/1~50/220-240		
Current		Recommended fuses	A					16		25

(1) Refer to drawing operation limits | (2) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (3) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Daikin Altherma 4 H

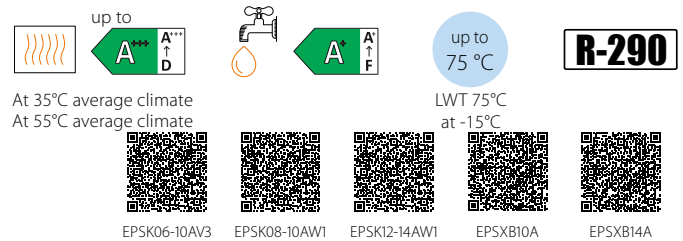
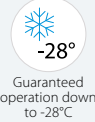
ECH₂O

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- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Bivalent system: combinable with a secondary heat source



011-1W0935
011-1W0937
011-1W0938
011-1W0939
011-1W0940
011-1W1098



Efficiency data			EPSXB + EPSK	10P30/P50A + 06AV3	10P30/P50A + 08AV3	10P30/P50A + 10AV3	10P30/P50A + 08AW1	10P30/P50A + 10AW1	14P30/P50A + 12AW1	14P30/P50A + 14AW1
Heating capacity	Nom.	kW		5.81	7.62	8.11	7.62	8.11	10.2	
Power input	Heating	kW		1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP	3.91	3.97	4.02	3.94	3.99	4.04	3.84
			ηs (Seasonal space heating efficiency)	153	156	158	155	157	159	150
			Seasonal space heating eff. class							
			Prated at -10°C	6.5	7.5	8.5	7.5	8.5	10.5	14
			SCOP	5.12	5.15	5.15	5.14	5.14	5.14	4.96
Domestic hot water heating	Average climate	General	ηs (Seasonal space heating efficiency)	202	203	203	202	203	203	195
			Seasonal space heating eff. class							
			Prated at -10°C	6.5	7.5	8.5	7.5	8.5	10	12
			Declared load profile							
			COP _{dhw}			2.52			2.77	
	General	Average climate	η _{wh} (water heating efficiency)			101			110	
			Water heating energy efficiency class							

Indoor Unit			EPSXB	10P30/P50A	14P30/P50A
Casing	Colour			Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	1,914x590x671/1,906x785x837	
Weight	Unit		kg	87.0/105	
Tank	Water volume		l	294/477	
	Maximum water temperature		°C	85.0	
Operation range	Indoor Ambient	Min.~Max.	°CDB	5~35	
		Heating	°CDB	15~70	15~75
		Domestic hot water	°CDB	10~75	
Sound power level	Nom.		dBA	49.0	
Sound pressure level	Nom.		dBA	35.0	

Outdoor Unit			EPSK0/EPK0/EPK0	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth	mm				1,123x1,330x604			
Weight	Unit		kg	174			178		191	
Compressor	Quantity						1			
	Type						Hermetically sealed scroll compressor			
Operation range	Heating	Min.~Max.	°CDB				-28~25			
		Cooling	°CDB				10~43			
		Domestic hot water	°CDB				-28~40			
Refrigerant	Type	Min.~Max.	°CDB							
							R-290			
							3			
Charge	Charge		kg			1			1.25	
			tCO ₂ Eq			0.003			0.0038	
Sound power level	Heating	Nom.	dBA	45 (1)		47 (1)	45 (1)	47 (1)	52 (1)	
		Cooling	dBA	52.2 (2)	53 (2)	53.2 (2)	53 (2)	53.2 (2)	62 (2)	63 (2)
Sound pressure level	Heating	Nom.	dBA	32.6 (1)	32.4 (1)	32.8 (1)	32.4 (1)	32.8 (1)	38 (1)	
		Cooling	dBA	36.9 (2)	37.2 (2)	37.3 (2)	37.2 (2)	37.3 (2)	47 (2)	48 (2)
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses	A		25			16			

(1) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. (2) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to drawing operation limits | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511

Daikin Altherma 4 H W

Wall mounted reversible air to water heat pump

- New intuitive MMI 5" touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Integrated back-up heater of 4.5 or 9 kW



EPSKS-AV3



EPBX07A



011-1W1130



up to

At 35°C average climate
At 55°C average climate

70 °C

R-290

Efficiency data				EPBX + EPSKS		07A + 04AV3		07A + 06AV3		07A + 07AV3		
Heating capacity				Nom.	kW			5.25				
Power input				Heating	kW			1.02				
	Average climate water outlet 55°C	General	SCOP			3.69		3.81		3.83		
			ηs (Seasonal space heating efficiency)		%	145				150		
			Seasonal space heating eff. class									
	Average climate water outlet 35°C	General	Prated at -10°C		kW	4.6				7.0		
			SCOP			5.03				5.05		
			ηs (Seasonal space heating efficiency)		%	198				199		
				Seasonal space heating eff. class								
				Prated at -10°C		kW			6.1			
Domestic hot water heating				General	Declared load profile				-			
				Average climate	COPdhw				-			
					ηwh (water heating efficiency)				-			
					Water heating energy efficiency class				-			
Indoor Unit				EPBX		07A						
Casing		Colour				White + Black						
		Material				Resin, sheet metal						
Dimensions		Unit	HeightxWidthxDepth		mm	840x440x390						
Weight		Unit			kg	33.0						
Operation range		Indoor installation	Ambient	Min.~Max.	°CDB	5~35 (4)						
		Heating	Water side	Min.~Max.	°C	15~70						
		Domestic hot water	Water side	Min.~Max.	°C	10~70						
Sound power level		Nom.			dBA	45.0 (1)						
Sound pressure level		Nom.			dBA	31.0 (2)						
Outdoor Unit				EPSKS		04AV3		06AV3		07AV3		
Dimensions		Unit	HeightxWidthxDepth		mm			958x1,220x535				
Weight		Unit			kg			109				
Compressor		Quantity						1				
		Type						Hermetically sealed swing compressor				
Operation range		Heating	Min.~Max.		°CDB			-28.0~25				
		Cooling	Min.~Max.		°CDB			10~43				
		Domestic hot water	Min.~Max.		°CDB			-28~40				
Refrigerant		Type						R-290				
		GWP						3.0				
		Charge			kg			0.830				
		Charge			tCO2Eq			0.0025				
		Control						Expansion valve				
Sound power level		Heating	Nom.		dBA			48.2 (5)				
		Cooling	Nom.		dBA			56.7 (6)				
Sound pressure level		Heating	Nom.		dBA			29.1 (5)				
		Cooling	Nom.		dBA			37.3 (6)				
Power supply		Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240						
Current		Recommended fuses			A	16				25		

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3) Refer to operation range of the unit. | (4) Depends on operation mode, refer to installation manual. | (5) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (6) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

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EPBK06-10AV3



EPBK08-10AW1



EPBK12-14AW1



EPBX10A4V



EPBX10A9W



EPBX14A4V



EPBX14A9W



011-1W0929
011-1W0930
011-1W0934



up to
At 35°C average climate
At 55°C average climate



up to
75 °C
LWT 75°C
at -15°C

R-290

Efficiency data				EPBK + EPSK	10A4V/9W + 06AV3	10A4V/9W + 08AV3	10A4V/9W + 10AV3	10A4V/9W + 08AW1	10A4V/9W + 10AW1	14A4V/9W + 12AW1	14A4V/9W + 14AW1	
Heating capacity			Nom.	kW	5.81	7.62	8.11	7.62	8.11	10.2		
Power input			Heating	kW	1.12	1.52	1.64	1.52	1.64	1.86		
 Space heating	Average climate water outlet 55°C	General	SCOP		3.91	3.97	4.02	3.94	3.99	4.04	3.84	
			ηs (Seasonal space heating efficiency)	%	153	156	158	155	157	159	150	
			Seasonal space heating eff. class									
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10.5	14	
	Average climate water outlet 35°C	General	SCOP		5.12	5.15		5.14		4.96		
			ηs (Seasonal space heating efficiency)	%	202	203		202	203		195	
			Seasonal space heating eff. class									
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10	12	
 Domestic hot water heating	General Average climate	Declared load profile		-								
		COPdhw		-								
		ηwh (water heating efficiency)		-								
		Water heating energy efficiency class		-								

Indoor Unit				EPBK	10A4V/9W	14A4V/9W
Casing	Colour	White + Black				
	Material	Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390		
Weight	Unit		kg	33.0		
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		
	Heating	Water side	Min.~Max.	°CDB		
	Domestic hot water	Water side	Min.~Max.	°CDB		
				-		
Sound power level	Nom.		dBA	45.0 (1)		
Sound pressure level	Nom.		dBA	31.0 (2)		

Outdoor Unit				EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth	mm	1,123x1,330x604							
Weight	Unit		kg	174							
Compressor	Quantity			1							
Operation range	Type			Hermetically sealed scroll compressor							
	Heating	Min.~Max.	°CDB	-28~25							
	Cooling	Min.~Max.	°CDB	10~43							
	Domestic hot water	Min.~Max.	°CDB	-28~40							
Refrigerant	Type			R-290							
	GWP			3							
	Charge	kg		1							
	Charge	tCO ₂ Eq		0.003							
	Control			Expansion valve							
Sound power level	Heating	Nom.	dBA	45 (4)							
	Cooling	Nom.	dBA	52.2 (5)							
Sound pressure level	Heating	Nom.	dBA	32.6 (4)							
	Cooling	Nom.	dBA	36.9 (5)							
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230							
	Recommended fuses	A		25							
Current				W1/3~/50/400							
				16							

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | (2) Depends on operation mode, refer to installation manual. | (3) Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (4) Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511

Combination table and options

Type	Description	Material name
Outdoor unit		EPSKS04AV3
		EPSKS06AV3
		EPSKS07AV3
		EPSK06AV3
		EPSK08AV3
		EPSK10AV3
		EPSK10AW1
		EPSK12AW1
		EPSK14AW1
Controller	Madoka wired room thermostat	BRC1HHDK/S/W(7)
	Wireless room thermostat	EKRTRB
	Wired digital thermostat	EKRTWA
	Wireless room by room control	Daikin Home Controls
	LAN Adapter	BRP069A62
	WLAN module	BRP069A71
	WLAN cartridge	BRP069A78
	Wired digital thermostat	EKWCTRDI1V3
	Wired analog thermostat	EKWCTRAN1V3
	Valve actuator	EKWCVATR1V3
	Wired underfloor heating base station	EKWUFHTA1V3
	Universal centralised controller	EKCC9-W, DCOM-LT/IO, LT/MB
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3
		EKHWS(P)(U)180D3V3
		EKHWS(P)(U)200D3V3
		EKHWS(P)(U)250D3V3
		EKHWS(P)(U)300D3V3
	Polypropylene tank	EKHWP300B
		EKHWP500B
		EKHWP300PB
		EKHWP500PB
	Third party tank kit	EKHY3PART
		EKHY3PART2
Sensors	External sensor for EKRTR room thermostat	EKRTETS
	High voltage smart grid relay kit	EKRELSG
	Remote indoor temperature sensor	KRCS01-1
	Remote outdoor temperature sensor	EKRSCA1
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA
	Generic Bizone kit	EKMIKPHA
Other options	Digital I/O PCB	EKRPIHBA
	PC USB cable	EKPCCAB4
	Anti-freeze valve with diam. 1"	AFVALVE1
	Balancing valve	KBLNVALVE
ECH ₂ O options	DB connector Kit	EKECDBC03AF
Back-up rewiring kit	1 ph without N for 4.5 kW	EKBUKRW1
	3 ph without N for 4.5 kW	EKBUKRW3
Home Hub	Daikin Home Hub	EKRHH
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P
	Cable P1 to USB	EKP1USB

- (1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2
(In case bad reception of signal, the W-LAN cartridge can be removed and replaced by WLAN module).
- (2) Dedicated connection kit: EKEPRHLT3HX.
- (3) Dedicated connection kit: ETBH: EKEPRHLTSH / ETBX: EKEPRHLTSX.
- (4) EKHY3PART can be used if you have a tank in which you can insert the thermistor.
- (5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.
- (6) Only one sensor can be connected: indoor or outdoor.
- (7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
- (8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW
(*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

Floor standing integrated stainless steel tank			Floor standing integrated ECH ₂ O			Wall mounted		
Reversible						Reversible		
4 H	4 H	4 H	4 H	4 H	4 H	4 H	4 H	4 H
	EPVX10S18A4V	EPVX14S18AJ4V						
EPVX07S18A4V	EPVX10S23A4V	EPVX14S23AJ4V						
EPVX07S23A4V	EPVX10S18A9W	EPVX14S18AJ9W	EPSX(B)07P30A	EPSX10P30A	EPSX(B)14P30A		EPBX10A4V	EPBX14A4V
EPVX07S23A9W	EPVX10S23A9W	EPVX14S23AJ9W	EPSX(B)07P50A	EPSX10P50A	EPSX(B)14P50A	EPBX07A4V	EPBX10A9W	EPBX14A9W
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•	•	•	•	•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
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						•	•	•
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						• (2)	• (2)	• (2)
						• (3)	• (3)	• (3)
						• (2)	• (2)	• (2)
						• (3)	• (3)	• (3)
						• (4)	• (4)	• (4)
						• (5)	• (5)	• (5)
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
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•	•	•	•	•	•	•	•	•

Daikin Altherma 3 H MT & HT

Hydrosplit air-to-water heat pump

Hydrosplit version

Hydrosplit heat pumps feature an outdoor-only refrigerant circuit, requiring only indoor water connections. No refrigerant handling or F-gas certification needed for installation or use.

Daikin Altherma 3 H MT

Ideal to replace gas boilers

Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing the initial heating system.

Daikin Altherma 3 H MT comes as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even keep the recent radiators installed!

Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 H MT also fits in medium sized new buildings.



New built:

- 8-10

Replacement:

- 8-12



Impressive performance

The Daikin Altherma 3 H MT & HT reach the best performances in heating and domestic hot water with leaving water temperatures up to 70°C



35 °C and 55 °C
Space heating



Silent efficiency

Daikin Altherma 3 H HT/MT heat pumps ensure quiet comfort with sound pressures down to 35 dBA (SL mode), blending into everyday life.



Awarded design

This innovative design has already earned both the iF and Red Dot Design Awards.



Daikin Altherma 3 H HT

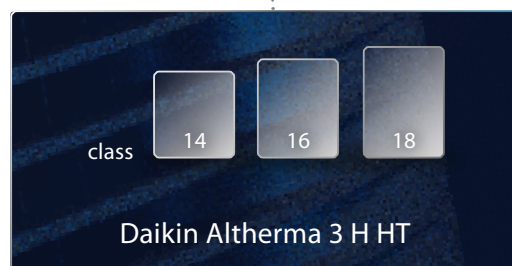
Ideal to replace oil boilers

Daikin Altherma 3 H HT is a high temperature heat pump, able to deliver a leaving water temperature of 70 °C. Thanks to this operation range, the unit can replace oil boilers in older houses.

Traditional radiators can also stay in place, but more recent radiators could be a good option in order to make further energy savings.

Suitable for large new buildings

With a capacity range going from 14 to 18 class, Daikin Altherma 3 H HT can answer the needs of large new buildings.



Replacement

Daikin Altherma 3 H HT/MT F

Floor standing air to water heat pump
for heating and hot water

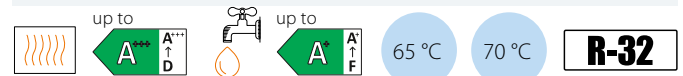
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508



011-1W0353-354
011-1W0357-358
011-1W0361-362



Efficiency data			ETVH + EPRA		12S18/23 E6V/9W + 08EV3	12S18/23 E6V/9W + 10EV3	12S18/23 E6V/9W + 12EV3	12S18/23 E6V/9W + 08EW1	12S18/23 E6V/9W + 10EW1	12S18/23 E6V/9W + 12EW1	16S18/23 E6V/9W7 + 14DV37	16S18/23 E6V/9W7 + 16DV37	16S18/23 E6V/9W7 + 18DV37	16S18/23 E6V/9W7 + 14DW17	16S18/23 E6V/9W7 + 16DW17	16S18/23 E6V/9W7 + 18DW17
Heating capacity			Nom.	kW	6.17						5.69	9.0	5.90	9.0		
Power input			Heating	kW	1.25		1.21		1.22		1.80	1.23	1.80			
	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53		3.58		3.57			
			η_{sp} (Seasonal space heating efficiency)	%	134		138		140							
			Seasonal space heating eff. class		E		E		E							
			Prated at -10°C	kW	8.5		13									
		General	SCOP		4.69	4.71		4.81	4.84		4.51	4.71				
			η_{sp} (Seasonal space heating efficiency)	%	184	186		190	191		177	186				
	Seasonal space heating eff. class		E		E		E									
	Prated at -10°C	kW	8.3		13											
	Domestic hot water heating	General	Declared load profile		L				L/XL							
			Average COP _{dhw}		2.72/2.96		2.80/3.05		2.62/2.61		2.51/2.55					
			η_{wh} (water heating efficiency)	%	117/126		120/130		110/108		106/107					
			Water heating energy efficiency class		E		E		E							
					E		E		E							

Indoor Unit		ETVH		12S18/23E6V/9W		16S18/23E6V7/9W7	
Casing	Material	Precoated sheet metal				Precoated sheet metal	
Dimensions	Unit HeightxWidthxDepth	mm		1,650x595x625/1,850x595x625		1,650x595x625/1,850x595x625	
Weight	Unit	kg		108/117		109/118	
Tank	Water volume	l		180/230		180/230	
	Maximum water temperature	°C		70.0		70.0	
	Maximum water pressure	bar		10		10	
	Corrosion protection	Pickling				Pickling	
Operation range	Indoor installation Ambient	Min.~Max.	°CDB	5~35		5~35 (3)	
	Heating Water side	Min.~Max.	°CDB	18~65		15~70	
	Domestic hot water Water side	Min.~Max.	°CDB	10~65		10~63	
Sound power level	Nom.	dBA		44.0		44.0 (1)	
Sound pressure level	Nom.	dBA		30.0		30.0 (2)	

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533						1,003x1,270x533							
Weight	Unit		kg	118						146		150					
Compressor	Quantity			1						1							
Operation range	Type			Hermetically sealed swing compressor						Hermetically sealed scroll compressor							
	Heating	Min.~Max.	°CDB	-28.0~25						-28.0~35							
	Cooling	Min.~Max.	°CDB	10~43						10~43							
	Domestic hot water	Min.~Max.	°CDB	-28~35						-28~35							
Refrigerant	Type			R-32						R-32							
	GWP			675.0						675.0							
	Charge		kg	3.25						4.2							
	Charge		tCO2Eq	2.19						2.84							
	Control			Expansion valve						Expansion valve							
Sound power level	Heating	Nom.	dBA	54.0				55.6		56.0 (4)		56.0	59.0	56.0		59.0	
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2		61.4	60.9	65.0 (5)		65.0		65.0		
Sound pressure level	Heating	Nom.	dBA	40.6				41.1		43.0 (6)		43.0	48.0	43.0		48.0	
	Cooling	Nom.	dBA	47	47.4	48.5	47.1		47.2	52							
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230				W1/3~/50/400				V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses		A	32				16				32			16		

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. (3) Depends on operation mode, refer to installation manual. (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (5) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (6) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 35°C | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H

HT/MT F

Floor standing air to water heat pump
for heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508



011-1W0353-354
011-1W0357-358
011-1W0361-362



Efficiency data		ETVX + EPRA		12S18/23 E6V/9W	12S18/23 E6V/9W	12S18/23 E6V/9W	12S18/23 E6V/9W	12S18/23 E6V/9W	12S18/23 E6V/9W	16S18/23 E6V/9W7	16S18/23 E6V/9W7	16S18/23 E6V/9W7	16S18/23 E6V/9W7	16S18/23 E6V/9W7	16S18/23 E6V/9W7
				+ 08EV3 + 10EV3		+ 12EV3 + 08EW1		+ 10EW1 + 12EW1		+ 14DV37 + 16DV37		+ 18DV37 + 14DW17		+ 16DW17 + 18DW17	

Heating capacity			Nom.	kW	6.17				5.69		9.0		5.90		9.0	
Power input			Heating	kW	1.25		1.21		1.22		1.80		1.23		1.80	
	Space heating	Average climate water outlet 55°C	General	SCOP	3.47		3.48		3.59		3.60		3.62		3.63	
				η_{sp} (Seasonal space heating efficiency) %	136		141				142					
				Seasonal space heating eff. class												
				Prated at -10°C	8.5						13					
				SCOP	4.79		4.82		4.95		4.98		4.57		4.81	
	Domestic hot water heating	Average climate water outlet 35°C	General	η_{sp} (Seasonal space heating efficiency) %	188		190		195		196		180		190	
				Seasonal space heating eff. class												
				Prated at -10°C	8.5						13					
				Declared load profile	L/XL						L/XL					
				Average climate	COPdhw	2.72/2.96		2.80/3.05		2.62/2.61		2.51/2.55				
			η_{wh} (water heating efficiency) %	117/126		120/130		110/108		106/107						
			Water heating energy efficiency class													

Indoor Unit		ETVX		12S18/23E6V/9W		16S18/23E6V/9W 7	
Casing	Material			Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625/1,850x595x625		1,650x595x625/1,850x595x625	
Weight	Unit			108/117		109/118	
Tank	Water volume	l		180/230		180/230	
	Maximum water temperature	°C		70.0		70.0	
	Maximum water pressure	bar		10		10	
	Corrosion protection			Pickling		Pickling	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35 (3)	
	Heating	Water side	Min.~Max.	°CDB		18~65	
	Domestic hot water	Water side	Min.~Max.	°CDB		10~65	
Sound power level	Nom.			dBA		44.0 (1)	
Sound pressure level	Nom.			dBA		30.0 (2)	

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533						1,003x1,270x533						
Weight	Unit		kg	118						146		150				
Compressor	Quantity			1						1						
Operation range	Type			Hermetically sealed swing compressor						Hermetically sealed scroll compressor						
	Heating	Min.~Max.	°CDB	-28.0~25						-28.0~35						
	Cooling	Min.~Max.	°CDB	10~43						10~43						
	Domestic hot water	Min.~Max.	°CDB	-28~35						-28~35						
Refrigerant	Type			R-32						R-32						
	GWP			675.0						675.0						
	Charge		kg	3.25						4.2						
	Charge		tCO2Eq	2.19						2.84						
	Control			Expansion valve						Expansion valve						
	Sound power level	Heating	Nom.	dBA	54.0				55.6		56.0 (4)		56.0	59.0	56.0	59.0
Sound pressure level	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2		61.4	60.9	65.0 (5)		65.0			
	Heating	Nom.	dBA	40.6						41.1		43.0 (6)	43.0	48.0	43.0	48.0
	Cooling	Nom.	dBA	47	47.4	48.5	47.1		47.2		52					
	Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses	A	32			16			32			16				

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47~55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. (2) Depends on operation mode, refer to installation manual. (3) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (4) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (5) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (6) Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT F

Floor standing unit integrated with different temperature zones management

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508



011-1W0353-354
011-1W0357-358
011-1W0361-362



ETVZ12E6V



ETVZ12E9W



EPRA08-12EV3



EPRA08-12EW1



ETVZ16E6V7



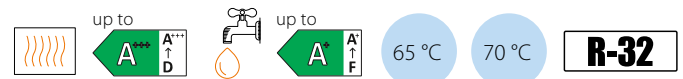
ETVZ16E9W7



EPRA14-18DV37



EPRA14-18DW17



Efficiency data			ETVZ + EPRA		12S18/S23 E6V/9W + 08EV3	12S18/S23 E6V/9W + 10EV3	12S18/S23 E6V/9W + 12EV3	12S18/S23 E6V/9W + 08EW1	12S18/S23 E6V/9W + 10EW1	12S18/S23 E6V/9W + 12EW1	16S18/S23 E6V/9W7 + 14DV37	16S18/S23 E6V/9W7 + 16DV37	16S18/S23 E6V/9W7 + 18DV37	16S18/S23 E6V/9W7 + 14DW17	16S18/S23 E6V/9W7 + 16DW17	16S18/S23 E6V/9W7 + 18DW17
Heating capacity		Nom.	kW				6.17				5.69		9.0		5.90	9.0
Power input		Heating	kW		1.25			1.21			1.22		1.80		1.23	1.80
Space heating	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53			3.58			3.57	
			ηs (Seasonal space heating efficiency)	%		134			138				140			
			Seasonal space heating eff. class													
			Prated at -10°C	kW			8.5						13			
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84			4.51			4.71	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191			177			186	
			Seasonal space heating eff. class													
			Prated at -10°C	kW			8.3						13			
Domestic hot water heating	General	Declared load profile					L/XL						L			
	Average climate	Average COPdhw			2.72/2.96			2.80/3.05				2.62			2.51	
		ηwh (water heating efficiency)	%		117/126			120/130				110			106	
		Water heating energy efficiency class														

Indoor Unit			ETVZ		12S18/23E6V/9W	16S18/23E6V/9W7
Casing	Material				Precoated sheet metal	Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625	1,650x595x625
Weight	Unit		kg		114/122	120
Tank	Water volume		l		180/230	180
	Maximum water temperature		°C		70.0	70.0
	Maximum water pressure		bar		10	10
	Corrosion protection				Pickling	Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	5~35
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~65	10~63
Sound power level	Nom.		dBA		44.0	44.0
Sound pressure level	Nom.		dBA		30.0	30.0

Outdoor Unit			EPRA		08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth	mm				1,003x1,270x533									
Weight	Unit		kg				118				146				150	
Compressor	Quantity						1									
	Type						Hermetically sealed swing compressor				Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB				-28.0~25				-28.0~35					
	Cooling	Min.~Max.	°CDB				10~43				10~43					
	Domestic hot water	Min.~Max.	°CDB				-28~35				-28~35					
Refrigerant	Type						R-32				R-32					
	GWP						675.0				675.0					
	Charge		kg				3.25				4.2					
	Charge		tCO2Eq				2.19				2.84					
	Control						Expansion valve				Expansion valve					
Sound power level	Heating	Nom.	dBA			54.0			55.6		56.0 (1)	56.0	59.0		56.0	59.0
	Cooling	Nom.	dBA		60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)			65.0		
Sound pressure level	Heating	Nom.	dBA			40.6			41.1		43.0 (3)	43.0	48.0		43.0	48.0
	Cooling	Nom.	dBA		47	47.4	48.5		47.1	47.2			52			
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1~/50/230			W1/3~/50/400		V3/1~/50/230				W1/3~/50/400	
Current	Recommended fuses		A			32			16		32				16	

Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Refer to operation range of the unit. | Depends on operation mode, refer to installation manual. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H

HT/MT ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

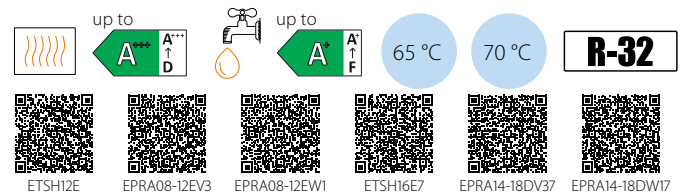
- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0501
011-1W0502



011-1W0355-356
011-1W0359-360
011-1W0363-364



Efficiency data			ETSH + EPRA		12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17			
Heating capacity			Nom.	kW	6.17														
Power input			Heating	kW	1.25				1.21		1.22		1.80		1.23		1.80		
	Average climate water outlet 55°C	General	SCOP	%	3.41	3.43		3.52		3.53		3.58			3.57				
			ηs (Seasonal space heating efficiency)	134				138					140						
				Seasonal space heating eff. class															
				Prated at -10°C	kW	8.5													
						12.5													
	Average climate water outlet 35°C	General	SCOP	%	4.69	4.71		4.81		4.84		4.51			4.71				
			ηs (Seasonal space heating efficiency)	184	186		190		191		177			186					
				Seasonal space heating eff. class															
				Prated at -10°C	kW	8.3													
						12.5													
	General	Declared load profile																	
		Average COPdhw	2.75/3.1				2.83/3.17				2.91/3.04			2.89/3.03					
		climate ηwh (water heating efficiency)	116/128				119/131				126/127			126					
			Water heating energy efficiency class																

Indoor Unit		ETSH		12P30/50E		16P30/50E7	
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material	Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644/1,910x792x816			
Weight	Unit		kg	75/98			
Tank	Water volume		l	294/477			
	Maximum water temperature		°C	85			
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35	
	Heating	Water side	Min.~Max.	°CDB		18~65	
	Domestic hot water	Water side	Min.~Max.	°CDB		10~63	
	Sound power level	Nom.	dBA	47.3		45.6	
Sound pressure level		Nom.	dBA	38.6		32.8	

Outdoor Unit		EPRA		08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,270x533									
Weight	Unit		kg	118				146		150					
Compressor	Quantity			1											
	Type			Hermetically sealed swing compressor				Hermetically sealed scroll compressor							
Operation range	Heating	Min.~Max.	°CDB	-28.0~25				10~43		-28.0~35					
	Cooling	Min.~Max.	°CDB			10~43		-28~35							
	Domestic hot water	Min.~Max.	°CDB			-28~35		R-32							
Refrigerant	Type			675.0											
	GWP														
	Charge	kg		3.25		4.2									
	Charge	tCO ₂ Eq		2.19		2.84									
		Control		Expansion valve											
Sound power level	Heating	Nom.	dBA	54.0		55.6		56.0 (1)		56.0		59.0		56.0	
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)	65.0	65.0	65.0	65.0	65.0
Sound pressure level	Heating	Nom.	dBA	40.6		41.1		43.0 (3)		43.0		48.0		43.0	
	Cooling	Nom.	dBA	47	47.4	48.5	47.1	47.2	47.2	52	52	52	52	52	52
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230		W1/3~/50/400		V3/1~/50/230		W1/3~/50/400					
Current	Recommended fuses	A		32		16		32		16					

(1)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H

HT/MT ECH₂O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

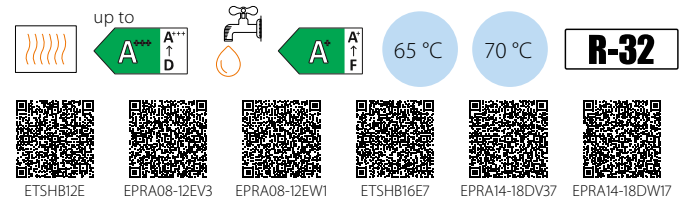
- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0501
011-1W0502



011-1W0355-356
011-1W0359-360
011-1W0363-364



Efficiency data				ETSHB + EPRA												
				12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1	16P30/50E7 + 14DV37	16P30/50E7 + 16DV37	16P30/50E7 + 18DV37	16P30/50E7 + 14DW17	16P30/50E7 + 16DW17	16P30/50E7 + 18DW17	
Heating capacity			Nom.	kW	6.17											
Power input			Heating	kW	1.25											
	Average climate water outlet 55°C	General	SCOP	%	3.41	3.43	3.52	3.53	3.58			3.57				
			ηs (Seasonal space heating efficiency)	134												
			Seasonal space heating eff. class	A												
	Average climate water outlet 35°C	General	Prated at -10°C	kW	8.5											
			SCOP	%	4.69	4.71	4.81	4.84	4.51			4.71				
			ηs (Seasonal space heating efficiency)	%	184	186	190	191	177			186				
			Seasonal space heating eff. class	A												
			Prated at -10°C	kW	8.3											
	General	Declared load profile		L/XL												
	Average climate	COPdhw	%	2.75/3.1		2.83/3.17		2.91/3.04			2.89/3.03		2.85/3.03			
		ηwh (water heating efficiency)	%	116/128		119/131		126/127			126		124/126			
		Water heating energy efficiency class	A													
Indoor Unit				ETSHB				12P30/50E				16P30/50E7				
Casing	Colour			Traffic white (RAL9016)/Traffic black (RAL9017)												
	Material			Impact resistant polypropylene												
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644/1,910x792x816												
Weight	Unit			76/100												
Tank	Water volume			294/477												
	Maximum water temperature			85												
Operation range	Indoor installation	Ambient	Min.~Max.	5~35												
	Heating	Water side	Min.~Max.	18~65												
	Domestic hot water	Water side	Min.~Max.	10~63												
Sound power level	Nom.			47.3												
Sound pressure level	Nom.			38.6												
Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533												
Weight	Unit			118												
Compressor	Quantity			1												
	Type			Hermetically sealed swing compressor												
Operation range	Heating	Min.~Max.	°CDB	-28.0~25												
	Cooling	Min.~Max.	°CDB	10~43												
	Domestic hot water	Min.~Max.	°CDB	-28~35												
Refrigerant	Type			R-32												
	GWP			675.0												
	Charge	kg		3.25												
	Charge	tCO2Eq		2.19												
Sound power level	Heating	Nom.	dBA	Expansion valve												
				54.0												
				60.1	60.6	61.5	61.2	61.4	60.9	56.0 (1)	56.0	59.0	56.0	59.0		
				40.6												
Sound pressure level	Heating	Nom.	dBA	41.1												
				47	47.4	48.5	47.1	47.2	43.0 (3)	43.0	48.0	43.0	48.0			
				52												
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230												
Current	Recommended fuses		A	32												

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H

HT/MT ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

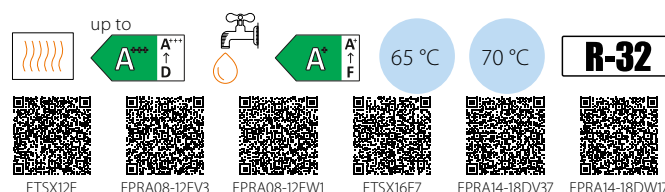
- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0501
011-1W0502



011-1W0355-356
011-1W0359-360
011-1W0363-364



Efficiency data				ETSX + EPRA																	
				12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1	16P30/50E7 + 14DV37	16P30/50E7 + 16DV37	16P30/50E7 + 18DV37	16P30/50E7 + 14DW17	16P30/50E7 + 16DW17	16P30/50E7 + 18DW17						
Heating capacity			Nom.	kW		6.17				5.69		9.0		5.90		9.0					
Power input			Heating	kW		1.25				1.21		1.22		1.80		1.23		1.80			
	Space heating	Average climate water outlet 55°C	General	SCOP	%		3.47		3.48		3.59		3.6		3.62		3.63				
				ηs (Seasonal space heating efficiency)	136				141				142								
				Seasonal space heating eff. class																	
				Prated at -10°C	kW		8.5								12.5						
				SCOP	%		4.79		4.82		4.95		4.98		4.57		4.81				
	Average climate water outlet 35°C	General	General	ηs (Seasonal space heating efficiency)	%		189		190		195		196		180		190				
				Seasonal space heating eff. class																	
				Prated at -10°C	kW		8.3								12.5						
				Declared load profile	L/XL																
				COPdhw			2.75/3.1				2.83/3.17				2.91/3.04		2.89/3.03				
Domestic hot water heating	General	Average climate	Declared	ηwh (water heating efficiency)	%		116/128		119/131				126/127		126						
				Water heating energy efficiency class																	
Indoor Unit				ETSX				12P30/50E				16P30/50E7									
Casing	Colour							Traffic white (RAL9016)/Traffic black (RAL9017)													
	Material							Impact resistant polypropylene													
Dimensions	Unit	HeightxWidthxDepth		mm		1,892x594x644/1,910x792x816															
Weight	Unit			kg		75/98															
Tank	Water volume				l		294/477														
	Maximum water temperature				°C		85														
	Operation range	Indoor installation	Ambient	Min.~Max.	°CDB						5~35										
Heating		Water side	Min.~Max.	°CDB		18~65				15~70											
Domestic hot water		Water side	Min.~Max.	°CDB						10~63											
Sound power level	Nom.			dBA		47.3								45.6							
Sound pressure level	Nom.			dBA		38.6								32.8							
Outdoor Unit				EPRA				08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17		
Dimensions	Unit	HeightxWidthxDepth		mm		1,003x1,270x533															
Weight	Unit			kg		118															
Compressor	Quantity					1															
Operation range	Type					Hermetically sealed swing compressor															
	Heating	Min.~Max.	°CDB		-28.0~-25																
	Cooling	Min.~Max.	°CDB		10~43																
Refrigerant	Domestic hot water	Min.~Max.	°CDB		-28~35																
	Type					R-32															
	GWP					675.0															
Charge	kg					3.25								4.2							
	tCO2Eq					2.19								2.84							
	Control					Expansion valve															
Sound power level	Heating	Nom.	dBA		54.0				55.6				56.0 (2)		56.0	59.0	56.0		59.0		
	Cooling	Nom.	dBA		60.1		60.6	61.5	61.2		61.4	60.9	65.0 (1)		65.0						
Sound pressure level	Heating	Nom.	dBA		40.6				41.1				43.0 (3)		43.0	48.0	43.0		48.0		
	Cooling	Nom.	dBA		47		47.4	48.5	47.1		47.2		52								
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/230				W1/3~/50/400				V3/1~/50/230				W1/3~/50/400			
Current	Recommended fuses			A		32				16				32				16			

(1) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (2) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (3) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT =) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H

HT/MT ECH₂O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0501
011-1W0502



011-1W0355-356
011-1W0359-360
011-1W0363-364



Efficiency data				ETSXB + EPRA											
				12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17
Heating capacity	Nom.		kW	6.17											
Power input	Heating		kW	1.25											
Space heating	Average climate water outlet 55°C	General	SCOP	3.47	3.48		3.59	3.6		3.62	9.0		1.23		3.63
			ηs (Seasonal space heating efficiency)	136											
			Seasonal space heating eff. class												
			Prated at -10°C	8.5											
			kW	12.5											
	Average climate water outlet 35°C	General	SCOP	4.79	4.82		4.95	4.98		4.57				4.81	
			ηs (Seasonal space heating efficiency)	189	190		195	196		180				190	
			Seasonal space heating eff. class												
			Prated at -10°C	8.3											
			kW	12.5											
Domestic hot water heating	General Average climate	Declared load profile		L/XL											
		COP _{dhw}		2.75/3.1											
		η _{wh} (water heating efficiency)		116/128											
		Water heating energy efficiency class													

Indoor Unit				ETSXB	12P30/50E		16P30/50E7	
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)			
	Material				Impact resistant polypropylene			
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644/1,910x792x816				
Weight	Unit				kg		76/100	
Tank	Water volume				l		294/477	
	Maximum water temperature				°C		85	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB			5~35	
	Heating	Water side	Min.~Max.	°CDB	18~65			
	Domestic hot water	Water side	Min.~Max.	°CDB			10~63	
Sound power level	Nom.				dBA		47.3	
Sound pressure level	Nom.				dBA		38.6	
							45.6	
							32.8	

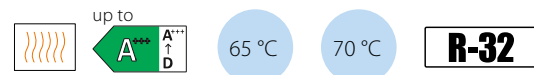
Outdoor Unit				EPRA											
Dimensions	Unit	HeightxWidthxDepth	mm	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Weight	Unit		kg	118											
Compressor	Quantity			1											
	Type			Hermetically sealed swing compressor											
Operation range	Heating	Min.~Max.	°CDB	-28.0~-25											
	Cooling	Min.~Max.	°CDB	10~43											
	Domestic hot water	Min.~Max.	°CDB	-28~35											
Refrigerant	Type			R-32											
	GWP			675.0											
	Charge	kg		3.25											
	Charge	tCO ₂ Eq		2.19											
				Expansion valve											
Sound power level	Heating	Nom.	dBA	54.0											
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)	56.0	59.0	56.0	59.0	
Sound pressure level	Heating	Nom.	dBA	40.6											
	Cooling	Nom.	dBA	47	47.4	48.5	47.1	47.2		43.0 (3)	43.0	48.0	43.0	48.0	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230											
	Recommended fuses	A		32											

(1)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (2)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (3)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (DT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT W

Wall mounted heating only air to water heat pump

- Inclusion of all hydraulic components means no third party components are required
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0506
011-1W0507
011-1W0508



011-1W0353
011-1W0357
011-1W0361



ETBH12E6V



ETBH12E9W



EPRA08-12EV3



EPRA08-12EW1



ETBH16E6V7



ETBH16E9W7



EPRA14-18DV37



EPRA14-18DW17

Efficiency data			ETBH + EPRA		12E6V/9W +08EV3	12E6V/9W +10EV3	12E6V/9W +12EV3	12E6V/9W +08EW1	12E6V/9W +10EW1	12E6V/9W +12EW1	16E6V/9W7 +14DV37	16E6V/9W7 +16DV37	16E6V/9W7 +18DV37	16E6V/9W7 +14DW17	16E6V/9W7 +16DW17	16E6V/9W7 +18DW17
Heating capacity			Nom.	kW	6.17						5.69	9.0	5.90	9.0		
Power input			Heating	kW	1.25			1.21			1.22	1.80		1.23	1.80	
	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53		3.58		3.57			
			ηs (Seasonal space heating efficiency)		134		138			140						
		Seasonal space heating eff. class														
		Prated at -10°C	kW		8.5						13					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84		4.51		4.71			
			ηs (Seasonal space heating efficiency)		184	186		190	191		177		186			
			Seasonal space heating eff. class													
Prated at -10°C			kW		8.3						13					
	General Average climate	Declared load profile								-						
		COPdhw								-						
		ηwh (water heating efficiency)	%							-						
		Water heating energy efficiency class								-						

Indoor Unit		ETBH		12E6V/9W					16E6V/9W7							
Casing	Colour			White + Black												
	Material			Resin, sheet metal												
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390												
Weight	Unit		kg	36.5					38.0							
Operation range	Indoor installation	Ambient	Min.~Max.	5~35					5~35 (3)							
	Heating	Water side	Min.~Max.	18~65					15~70							
	Domestic hot water	Water side	Min.~Max.						10~63							
Sound power level	Nom.		dBA	44.0					44.0 (1)							
Sound pressure level	Nom.		dBA	30.0					30.0 (2)							
Outdoor Unit			EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533												
Weight	Unit		kg	118					146					150		
Compressor	Quantity			1												
Operation range	Type			Hermetically sealed swing compressor					Hermetically sealed scroll compressor							
	Heating	Min.~Max.	°CDB	-28.0~25					-28.0~35							
	Cooling	Min.~Max.	°CDB						10~43							
Refrigerant	Domestic hot water	Min.~Max.	°CDB						-28~35							
	Type								R-32							
	GWP								675.0							
	Charge	kg		3.25					4.2							
	Charge	tCO2Eq		2.19					2.84							
			Expansion valve													
Sound power level	Heating	Nom.	dBA	54.0			55.6			56.0 (4)	56.0	59.0	56.0			59.0
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (5)	65.0					
Sound pressure level	Heating	Nom.	dBA	40.6			41.1			43.0 (6)	43.0	48.0	43.0			48.0
	Cooling	Nom.	dBA	47	47.4	48.5	47.1			47.2	52					
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses		A	32			16			32			16			

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. (3) Depends on operation mode, refer to installation manual. (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C). (5) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C). (6) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT W

Wall mounted reversible air to water heat pump

- Inclusion of all hydraulic components means no third party components are required
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Quick configuration in 9 steps in a high resolution colour interface wizard



-28°

Guaranteed operation down to -28°C



Onecta app



Voice control



011-1W0506
011-1W0507
011-1W0508



011-1W0357
011-1W0357
011-1W0361



ETBX12E6V



ETBX12E9W



EPRA08-12EV3



EPRA08-12EW1



ETBX16E6V



ETBX16E9W



EPRA14-18DV37



EPRA14-18DW17

Efficiency data				ETBX + EPRA		12E6V/9W +08EV3	12E6V/9W +10EV3	12E6V/9W +12EV3	12E6V/9W +08EW1	12E6V/9W +10EW1	12E6V/9W +12EW1	16E6V/9W7 +14DV37	16E6V/9W7 +16DV37	16E6V/9W7 +18DV37	16E6V/9W7 +14DW17	16E6V/9W7 +16DW17	16E6V/9W7 +18DW17		
Heating capacity			Nom.	kW	6.17			1.21			5.69		9.0		5.90		9.0		
Power input			Heating	kW	1.25			1.21			1.22		1.80		1.23		1.80		
 Space heating	Average climate water outlet 55°C	General	SCOP	%	3.47	3.48	3.59		3.60		3.62			3.63					
			η _s (Seasonal space heating efficiency)	136			141			142			142						
			Seasonal space heating eff. class																
			Prated at -10°C	kW	8.5						13								
			SCOP	%	4.79	4.82	4.95		4.98		4.57			4.81					
 Domestic hot water heating	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency)	%	188	190	195		196		180			190					
			Seasonal space heating eff. class																
			Prated at -10°C	kW	8.3						13								
			Declared load profile	-															
			COP _{dhw}	-															
	Average climate water outlet 35°C	General	η _{wh} (water heating efficiency)	%	-														
			Water heating energy efficiency class	-															
Indoor Unit				ETBX		12E6V/9W						16E6V/9W7							
Casing		Colour		White + Black															
		Material		Resin, sheet metal															
Dimensions		Unit		HeightxWidthxDepth		mm		840x440x390											
Weight		Unit		kg		36.5								38.0					
Operation range		Indoor	Ambient	Min.~Max.	°CDB	5~35						5~35 (3)							
		Heating	Water side	Min.~Max.	°CDB	18~65						15~70							
Sound power level		Nom.		dBA		44.0								44.0 (1)					
Sound pressure level		Nom.		dBA		30.0								30.0 (2)					

Indoor Unit				ETBX															
Casing	Colour			White + Black															
	Material			Resin, sheet metal															
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390															
Weight	Unit			kg															
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB															
		Water side	Min.~Max.	°CDB															
Sound power level	Nom.			dBA															
Sound pressure level	Nom.			dBA															

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. (3) Depends on operation mode, refer to installation manual. (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (5) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (6) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 Capacity according to standard EN14511 and valid for heated water range dT = 3-8°C at Ta 7°C Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 Test at Ta DB/WB 7°C/6°C. According to EN 16147 DB/WB 7°C/6°C - LWC 35°C (DT=5°C) with pump at full speed Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). Including piping + back-up heater; excluding expansion vessel Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. Refer to operation range of the unit. 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 1) Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)																
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. (3) Depends on operation mode, refer to installation manual. (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (6) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)



Combination table and options

			H/O	
			3 H MT	3 H HT
			ETVH12S18E6V	ETVH16S18E6V7
			ETVH12S18E9W	ETVH16S18E9W7
			ETVH12S23E6V	ETVH16S23E6V7
Type	Description	Material name	ETVH12S23E9W	ETVH16S23E9W7
Outdoor unit		EPRA08EV3/W1	•	
		EPRA10EV3/W1	•	
		EPRA12EV3/W1	•	
		EPRA14DV37/W17		•
		EPRA16DV37/W17		•
		EPRA18DV37/W17		•
Controller	Wireless room by room control	Daikin Home Controls (page 242)	•	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•	•
	Wireless room thermostat	EKRTRB	•	•
	Wired digital thermostat	EKRTWA	•	•
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	•	•
	WLAN module	BRP069A71	•	•
	WLAN cartridge	BRP069A78	• (1)	• (1)
	Wired digital thermostat	EKWCTRD11V3	•	•
	Wired analog thermostat	EKWCTRAN1V3	•	•
	Valve actuator	EKWCVATR1V3	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•
Domestic hot water		EKCC9-W, DCOM-LT/IO, LT/MB	•	•
	Stainless steel tank	EKHWS(P)(U)150D3V3		
		EKHWS(P)(U)180D3V3		
		EKHWS(P)(U)200D3V3		
		EKHWS(P)(U)250D3V3		
		EKHWS(P)(U)300D3V3		
	Polypropylene tank	EKHWP300B		
		EKHWP500B		
		EKHWP300PB		
		EKHWP500PB		
	Third party tank kit	EKHYPART		
		EKHYPART2		
Sensors	External sensor for EKRTR room thermostat	EKRTETS	•	•
	High voltage smart grid relay kit	EKRELSG	•	•
	Remote indoor temperature sensor	KRCS01-1	• (6)	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)	• (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	•	•
	Generic Bizone kit	EKMIKPHA	•	•
Other options	Digital I/O PCB	EKRPIHBA	• (7)	• (7)
	Demand PCB	EKRPIAHT	•	•
	PC USB cable	EKPCCAB4	•	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4		•
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	•	
	Booster heater kit	EKBH3SD		
	Anti-freeze valve with diam. 1"	AFVALVE1	•	•
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	•	•
	Balancing valve	KBLNVALVE		•
	Decoupler	KDECOUP		•
ECH ₂ O options	Inline BUH - connection kit	EKECBUC01AF		
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V		
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V		
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W		
	Caleffi sludge and magnetite separator SAS1	156021		
	Biv Connector Kit	EKECBIVC01AF		
	DB connector Kit	EKECDBC01AF		
Home Hub	Daikin Home Hub	EKRHH	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•
	Cable P1 to USB	EKP1USB	•	•

(1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2
(In case bad reception of signal, the W-LAN cartridge can be removed and replaced by WLAN module).

(2) Dedicated connection kit: EKEPRHLT3HX.

(3) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.

(4) EKHYPART can be used if you have a tank in which you can insert the thermistor.

[illegible]

- (5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermostat.
- (6) Only one sensor can be connected: indoor or outdoor.
- (7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
- (8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW
(*No 6T1-model applicable). EKECBU01AIF is needed to connect the backup heater to the main unit.

Daikin Altherma 3 R MT

Refrigerant split air-to-water heat pump

Capacities from 8-12 kW

Refrigerant split version

Daikin Altherma 3 R MT range represents a refrigerant split version for medium temperature heat pump.

The outdoor unit is connected to the indoor unit with refrigerant piping. It transfers the energy from the air to the water circuit inside. The Refrigerant split unit provides cooling next to heating and domestic hot water.

The perfect replacement for gas boilers

Houses built in the 1990s often need refurbishing to keep them up to speed with the latest technology.

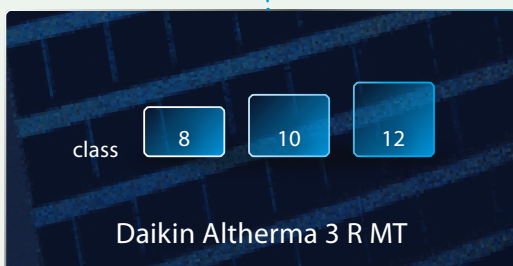
And whenever you're renovating, you'll always need to consider replacing the original heating system.

The Daikin Altherma 3 R MT makes the perfect replacement unit for houses of this vintage in which a water leaving temperature of 65°C is sufficient. Easy to install, you don't even need to change the existing radiators!



Tailor-made for medium-sized new buildings

With a versatile capacity covering classes 8 to 12, the Daikin Altherma 3 R MT range also suits medium-sized new buildings.



Daikin Altherma 3 R MT offers multiple possibilities to adapt to your customers' needs

- ✓ A leaving water temperature up to 65 °C makes it a **suitable choice** for refurbishments
- ✓ **Good seasonal efficiencies** providing the highest savings on running costs
- ✓ **Quiet comfort** with sound pressures down to 35 dBA (SL mode)



Better fit with hydrosplit versions?

The Daikin Altherma 3 solutions for replacement do come also in hydrosplit versions, 3 H MT and 3 H HT. More information can be found on p. 103.

Design casing

The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit. The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor. This unique design already got design awards.

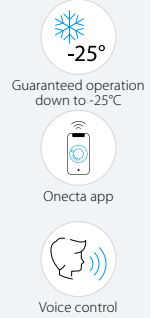


reddot design award
winner 2019

Daikin Altherma 3 R MT F

Floor standing air to water heat pump
for heating and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656



ELVH-E6V



ELVH-E9W



ERRA08-12EW1



ERRA08-12EV3

Efficiency data				ELVH + ERRA		12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W					
						+ 08EV3	+ 10EV3	+ 12EV3	+ 08EW1	+ 10EW1	+ 12EW1					
Heating capacity		Nom.		kW		6.17										
Power input		Heating		kW		1.25										
 Space heating	Average climate water outlet 55°C	General	SCOP			3.34		3.44		3.42		3.43		3.53		
			η_{sp} (Seasonal space heating efficiency)	%		130		131		135		134		138		
			Seasonal space heating eff. class													
			Prated at -10°C	kW		12.5										
			SCOP			4.69		4.71		4.81		4.84				
 Domestic hot water heating	Average climate water outlet 35°C	General	η_{sp} (Seasonal space heating efficiency)	%		184		186		190		191				
			Seasonal space heating eff. class													
			Prated at -10°C	kW		8.3										
			Declared load profile	L												
			COP _{dhw}			2.72/2.96				2.80/3.05						
						117/126				120/130						
																
Indoor Unit				ELVH		12S18/23E6V/9W										
Casing	Colour			White + Black												
	Material			Precoated sheet metal												
Dimensions	Unit	HeightxWidthxDepth		mm		1,655x595x634/1,855x595x634										
Weight	Unit			kg		120/129										
Tank	Water volume			l		180/230										
	Maximum water temperature			°C		70.0										
	Maximum water pressure			bar		10										
	Corrosion protection					Pickling										
	Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35									
Heating		Water side	Min.~Max.	°CDB		15~65										
Domestic hot water		Water side	Min.~Max.	°CDB		25~62										
Sound power level	Nom.			dBA		44.0										
Sound pressure level	Nom.			dBA		30.0										
Outdoor Unit				ERRA		08EV3	10EV3	12EV3	08EW1	10EW1	12EW1					
Dimensions	Unit	HeightxWidthxDepth		mm		1,003x1,270x533										
Weight	Unit			kg		107										
Compressor	Quantity					1										
	Type					Hermetically sealed swing compressor										
Operation range	Heating	Min.~Max.		°CDB		-25.0~25										
	Cooling	Min.~Max.		°CDB		10~43										
	Domestic hot water	Min.~Max.		°CDB		-25~35										
Refrigerant	Type					R-32										
	GWP					675.0										
	Charge			kg		3.25										
	Charge			tCO2Eq		2.19										
	Control					Expansion valve										
Sound power level	Heating	Nom.		dBA		56.0				56.0 (1)						
	Cooling	Nom.		dBA		60.1		60.6		61.5		61.2		61.4 (2)		60.9 (2)
Sound pressure level	Heating	Nom.		dBA								41.1		41.1 (3)		
	Cooling	Nom.		dBA		47		47.4		48.5		47.1		47.1 (4)		47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/230						W1/3~/50/400				
Current	Recommended fuses			A		32						16				

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump, according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater, excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R MT F

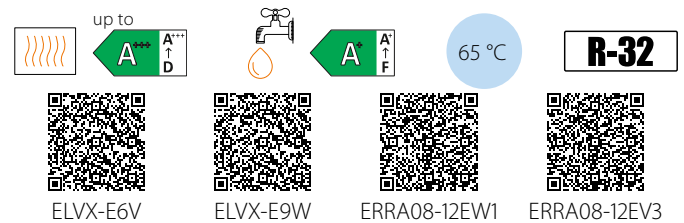
Floor standing air to water heat pump
for heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



011-1W0651
011-1W0652
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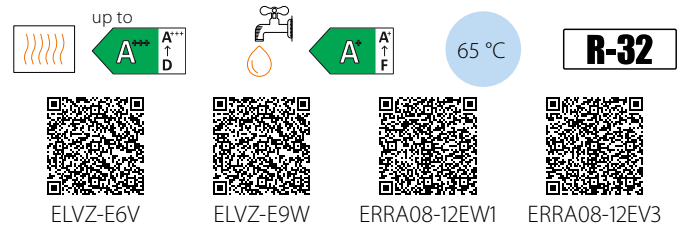
Efficiency data		ELVX + ERRA		12S18/23E6V/9W + 08EV3	12S18/23E6V/9W + 10EV3	12S18/23E6V/9W + 12EV3	12S18/23E6V/9W + 08EW1	12S18/23E6V/9W + 10EW1	12S18/23E6V/9W + 12EW1
Heating capacity	Nom.		kW				6.17		
Power input	Heating		kW		1.25			1.21	
Space heating	General	SCOP		3.37	3.38		3.47	3.48	3.58
		η _s (Seasonal space heating efficiency)	%		132		136		140
		Seasonal space heating eff. class							
		Prated at -10°C	kW				12.5		
Average climate water outlet 55°C	General	SCOP		4.79	4.82		4.95	4.98	
		η _s (Seasonal space heating efficiency)	%	188	190		195	196	
		Seasonal space heating eff. class							
		Prated at -10°C	kW				8.3		
Domestic hot water heating	General	Declared load profile					L		
	Average climate	COP _{dhw}			2.72/2.96			2.80/3.05	
		η _{wh} (water heating efficiency)	%		117/126			120/130	
		Water heating energy efficiency class							
Indoor Unit		ELVX		12S18/23E6V/9W					
Casing	Colour			White + Black					
	Material			Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634/1,855x595x634					
Weight	Unit		kg	120/129					
Tank	Water volume		l	180/230					
	Maximum water temperature		°C	70.0					
	Maximum water pressure		bar	10					
	Corrosion protection			Pickling					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB 5~35					
	Heating	Water side	Min.~Max.	°CDB 15~65					
	Domestic hot water	Water side	Min.~Max.	°CDB 25~62					
Sound power level	Nom.		dBA	44.0					
Sound pressure level	Nom.		dBA	30.0					
Outdoor Unit		ERRA		08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533					
Weight	Unit		kg	107					
Compressor	Quantity			1					
	Type			Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.	°CDB	-25.0~25					
	Cooling	Min.~Max.	°CDB	10~43					
	Domestic hot water	Min.~Max.	°CDB	-25~35					
Refrigerant	Type			R-32					
	GWP			675.0					
	Charge		kg	3.25					
	Charge		tCO ₂ Eq	2.19					
	Control			Expansion valve					
Sound power level	Heating	Nom.	dBA	56.0					
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating	Nom.	dBA	40.6					
	Cooling	Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230					
Current	Recommended fuses		A	32					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R MT F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



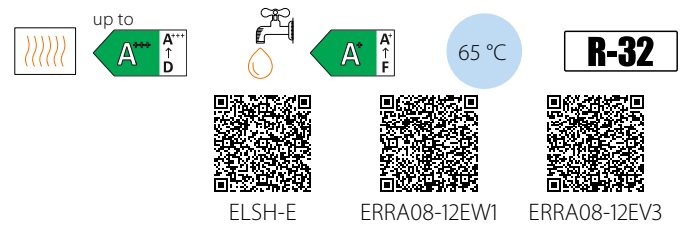
Efficiency data				ELVZ + ERRA		12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	12S18/23E6V/9W	
						+ 08EV3	+ 10EV3	+ 12EV3	+ 08EW1	+ 10EW1	+ 12EW1	
Heating capacity		Nom.		kW		6.17						
Power input		Heating		kW		1.25						
	Average climate water outlet 55°C	General	SCOP			3.34		3.44		3.42		1.21
			η _{sp} (Seasonal space heating efficiency)	%	130	131	135	134		3.43	3.53	
	Seasonal space heating eff. class											
	Prated at -10°C		kW		12.5							
	Average climate water outlet 35°C	General	SCOP			4.69		4.71		4.81		4.84
			η _{sp} (Seasonal space heating efficiency)	%	184	186	190		191			
Seasonal space heating eff. class												
Prated at -10°C		kW		8.3								
Domestic hot water heating		General	Declared load profile		L							
Average climate		COP _{dhw}			2.72/2.96		2.80/3.05					
		η _{wh} (water heating efficiency)	%		117/126		120/130					
Water heating energy efficiency class												
Indoor Unit				ELVZ		12S18/23E6V/9W						
Casing	Colour			White + Black								
	Material			Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm		1,655x595x634/1,855x595x634						
Weight	Unit			kg		133						
Tank	Water volume		l		180							
	Maximum water temperature		°C		70.0							
	Maximum water pressure		bar		10							
	Corrosion protection				Pickling							
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35						
	Heating	Water side	Min.~Max.	°CDB		15~65						
	Domestic hot water	Water side	Min.~Max.	°CDB		25~62						
Sound power level	Nom.			dBA		44.0						
Sound pressure level	Nom.			dBA		30.0						
Outdoor Unit				ERRA		08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	
Dimensions	Unit	HeightxWidthxDepth		mm		1,003x1,270x533						
Weight	Unit			kg		107						
Compressor	Quantity					1						
	Type					Hermetically sealed swing compressor						
Operation range	Heating	Min.~Max.	°CDB		-25.0~25							
	Cooling	Min.~Max.	°CDB		10~43							
	Domestic hot water	Min.~Max.	°CDB		-25~35							
Refrigerant	Type					R-32						
	GWP					675.0						
	Charge			kg		3.25						
	Charge			tCO ₂ Eq		2.19						
	Control					Expansion valve						
Sound power level	Heating	Nom.	dBA		56.0				56.0 (1)			
	Cooling	Nom.	dBA		60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)		
Sound pressure level	Heating	Nom.	dBA		40.6				41.1	41.1 (3)		
	Cooling	Nom.	dBA		47	47.4	48.5	47.1	47.1 (4)	47.2 (4)		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230							
Current	Recommended fuses			A	32							
					16							

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147 | DB/WB 7°C/6°C - LWC 35°C (dT = 5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater, excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47~55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R MT ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



011-1W0657
011-1W0658



011-1W0657
011-1W0658

Efficiency data				ELSH + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1		
Heating capacity		Nom.		kW	6.17							
Power input		Heating		kW	1.25							
	Average climate water outlet 55°C	General	SCOP		3.34		3.44		3.42	3.43	3.53	
			ηs (Seasonal space heating efficiency)	130		131		135		134		138
			Seasonal space heating eff. class	A								
				Prated at -10°C	12.5							
	Average climate water outlet 35°C	General	SCOP		4.69		4.71		4.81		4.84	
ηs (Seasonal space heating efficiency)			184		186		190		191			
Seasonal space heating eff. class			A									
			Prated at -10°C	8.3								
Domestic hot water heating	General Average climate	Declared load profile			L/XL							
		COPdhw		2.75/3.19		2.83/3.29						
		ηwh (water heating efficiency)	%	116/132		119/136						
		Water heating energy efficiency class			A							

Indoor Unit			ELSH	12P30/50E
Casing	Colour		Traffic white (RAL9016)/Traffic black (RAL9017)	
	Material		Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	
Weight	Unit		kg	
Tank	Water volume		l	
	Maximum water temperature		°C	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB
		Heating	Water side	Min.~Max.
	Domestic hot water	Water side	Min.~Max.	°CDB
		Water side	Min.~Max.	°CDB
Sound power level	Nom.		dBA	
Sound pressure level	Nom.		dBA	

Outdoor Unit			ERRA	08EV3		10EV3		12EV3		08EW1		10EW1		12EW1	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533											
Weight	Unit		kg	107											
Compressor	Quantity			1											
	Type			Hermetically sealed swing compressor											
Operation range	Heating	Min.~Max.	°CDB	-25.0~25											
	Cooling	Min.~Max.	°CDB	10~43											
	Domestic hot water	Min.~Max.	°CDB	-25~35											
Refrigerant	Type			R-32											
	GWP			675.0											
	Charge		kg	3.25											
	Charge		tCO2Eq	2.19											
	Control			Expansion valve											
Sound power level	Heating	Nom.	dBA	56.0								56.0 (1)			
	Cooling	Nom.	dBA	60.1	60.6		61.5		61.2		61.4 (2)		60.9 (2)		
Sound pressure level	Heating	Nom.	dBA	40.6								41.1 (3)			
	Cooling	Nom.	dBA	47	47.4		48.5		47.1		47.1 (4)		47.2 (4)		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230								W1/3~/50/400			
Current	Recommended fuses		A	32								16			

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN16147 | DB/WB 7°C/6°C - LWC 35°C (dT = 5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

Daikin Altherma 3 R MT ECH₂O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



ELSHB-E



ERRA08-12EW1



ERRA08-12EV3

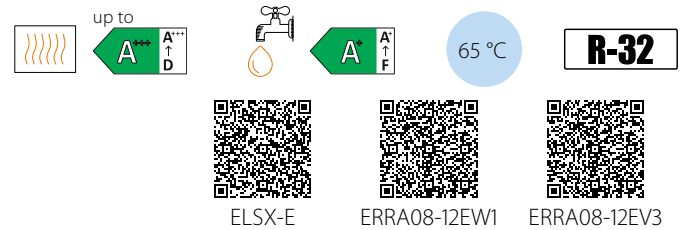
Efficiency data				ELSHB + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1	
Heating capacity			Nom.	kW	6.17						
Power input			Heating	kW	1.25						
	Space heating	Average climate water outlet 55°C	General	SCOP	3.34		3.44	3.42	3.43	3.53	
				η_{sp} (Seasonal space heating efficiency) %	130	131	135	134			
				Seasonal space heating eff. class							
				Prated at -10°C	kW	12.5					
				SCOP	4.69	4.71	4.81	4.84			
	Average climate water outlet 35°C	General	General	η_{sp} (Seasonal space heating efficiency) %	184	186	190	191			
				Seasonal space heating eff. class							
				Prated at -10°C	kW	8.3					
				Domestic hot water heating				L/XL			
				Average climate	COPdhw	2.75/3.19		2.83/3.29			
		General	Declared load profile	η_{wh} (water heating efficiency) %	116/132		119/136				
											
Indoor Unit				ELSHB	12P30/50E						
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817						
Weight	Unit			kg	76.0/91						
Tank	Water volume			l	294/477						
	Maximum water temperature			°C	85.0						
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35						
		Heating	Water side	Min.~Max.	°CDB	15~65					
		Domestic hot water	Water side	Min.~Max.	°CDB	25~62					
Sound power level	Nom.			dBA	44.7						
Sound pressure level	Nom.			dBA	36.8						
Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533						
Weight	Unit			kg	107						
Compressor	Quantity				1						
	Type				Hermetically sealed swing compressor						
Operation range	Heating	Min.~Max.	°CDB	-25.0~25							
	Cooling	Min.~Max.	°CDB	10~43							
	Domestic hot water	Min.~Max.	°CDB	-25~35							
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge			kg	3.25						
	Charge			tCO2Eq	2.19						
	Control				Expansion valve						
Sound power level	Heating	Nom.	dBA	56.0				56.0 (1)			
	Cooling	Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)		
Sound pressure level	Heating	Nom.	dBA	40.6				41.1	41.1 (3)		
	Cooling	Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	32			16			

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT =) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Daikin Altherma 3 R MT ECH₂O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



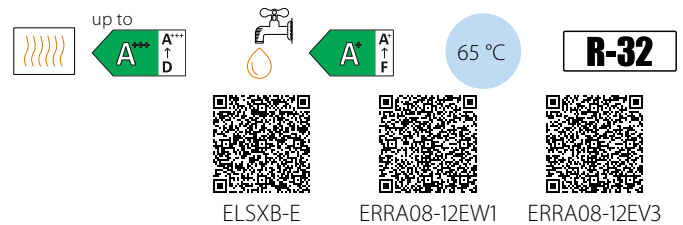
Efficiency data				ELSX + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1
Heating capacity		Nom.		kW	6.17					
Power input		Heating		kW	1.25					
	Average climate water outlet 55°C	General	SCOP		3.37	3.38	3.47		3.48	3.58
			η_{sp} (Seasonal space heating efficiency) %	132		136		140		
			Seasonal space heating eff. class							
	Average climate water outlet 35°C	General	Prated at -10°C	kW	12.5					
			SCOP	4.79	4.82	4.95	4.98			
η_{sp} (Seasonal space heating efficiency) %			188	190	195	196				

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147, | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

Daikin Altherma 3 R MT ECH₂O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



011-1W0657
011-1W0658



011-1W0657
011-1W0658

Efficiency data				ELSXB + ERRA0	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1	
Heating capacity		Nom.		kW	6.17						
Power input		Heating		kW	1.25						
	Average climate water outlet 55°C	General	SCOP		3.37	3.38	3.47		3.48	3.58	
			η _{sp} (Seasonal space heating efficiency) %	132		136		140			
	Seasonal space heating eff. class										
	Prated at -10°C		kW	12.5							
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98		
			η _{sp} (Seasonal space heating efficiency) %	188	190		195	196			
Seasonal space heating eff. class											
Prated at -10°C		kW	8.3								
	General	Declared load profile			L/XL						
	Average	COP _{dhw}			2.75/3.19						
	climate	η _{wh} (water heating efficiency) %			116/132						
		Water heating energy efficiency class									
Indoor Unit					12P30/50E						
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit	HeightxWidthxDepth			1,893x594x680/1,910x792x817						
Weight	Unit				76.0/91						
Tank	Water volume				294/477						
	Maximum water temperature				85.0						
Operation range	Indoor Ambient	Min.~Max.	°CDB	5~35							
	Heating	Water side	Min.~Max.	°CDB	15~65						
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62						
Sound power level	Nom.				44.7						
Sound pressure level	Nom.				36.8						
Outdoor Unit					ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth			1,003x1,270x533						
Weight	Unit				107						
Compressor	Quantity				1						
	Type				Hermetically sealed swing compressor						
Operation range	Heating	Min.~Max.			-25.0~25						
	Cooling	Min.~Max.			10~43						
	Domestic hot water	Min.~Max.			-25~35						
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge				3.25						
	Charge				2.19						
	Control				Expansion valve						
Sound power level	Heating	Nom.			56.0						
	Cooling	Nom.			60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)	
Sound pressure level	Heating	Nom.			47						
	Cooling	Nom.			47	47.4	48.5	47.1	47.1 (4)	47.2 (4)	
Power supply	Name/Phase/Frequency/Voltage				Hz/V				V3/1~/50/230		
Current	Recommended fuses				A				32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147, | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

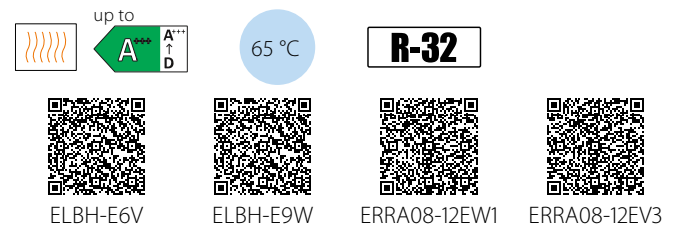
Daikin Altherma 3 R MT W

Wall mounted heating only air to water heat pump ideal for low energy houses

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



011-1W0651
011-1W0653
011-1W0655



Efficiency data				ELBH + ERRA		12E6V/9W + 08EV3		12E6V/9W + 10EV3		12E6V/9W + 12EV3		12E6V/9W + 08EW1		12E6V/9W + 10EW1		12E6V/9W + 12EW1			
Heating capacity				Nom.		kW				6.17									
Power input				Heating		kW		1.25				1.21							
	Space heating	Average climate water outlet 55°C	General	SCOP				3.34		3.44		3.42		3.43		3.53			
				η _{sp} (Seasonal space heating efficiency)		%		130		131		135		134		138			
				Seasonal space heating eff. class															
				Prated at -10°C		kW				12.5									
				Average climate water outlet 35°C		SCOP				4.69		4.71		4.81		4.84			
				η _{sp} (Seasonal space heating efficiency)		%		184		186		190		191					
				Seasonal space heating eff. class															
				Prated at -10°C		kW				8.3									
	Domestic hot water heating	General		Declared load profile															
		Average		COP _{dhw}															
		climate		η _{wh} (water heating efficiency)		%													
				Water heating energy efficiency class															
Indoor Unit				ELBH				12E6V/9W											
Casing		Colour						White + Black											
		Material						Resin, sheet metal											
Dimensions		Unit		HeightxWidthxDepth		mm		840x440x390											
Weight		Unit				kg		48.5											
Operation range		Indoor installation	Ambient	Min.~Max.		°CDB		5~35											
				Heating		°CDB		15~65											
				Domestic hot water		°CDB		25~62											
Sound power level		Nom.				dBA		44.0											
Sound pressure level		Nom.				dBA		30.0											
Outdoor Unit				ERRA				08EV3		10EV3		12EV3		08EW1		10EW1		12EW1	
Dimensions		Unit		HeightxWidthxDepth		mm		1,003x1,270x533											
Weight		Unit				kg		107											
Compressor		Quantity						1											
		Type						Hermetically sealed swing compressor											
Operation range		Heating		Min.~Max.		°CDB		-25.0~25											
		Cooling		Min.~Max.		°CDB		10~43											
		Domestic hot water		Min.~Max.		°CDB		-25~35											
Refrigerant		Type						R-32											
		GWP						675.0											
		Charge				kg		3.25											
		Charge				tCO2Eq		2.19											
		Control						Expansion valve											
Sound power level		Heating		Nom.		dBA		56.0											
		Cooling		Nom.		dBA		60.1		60.6		61.5		61.2		61.4 (2)		60.9 (2)	
Sound pressure level		Heating		Nom.		dBA		41.1											
		Cooling		Nom.		dBA		47		47.4		48.5		47.1		47.1 (4)		47.2 (4)	
Power supply		Name/Phase/Frequency/Voltage				Hz/V		V3/1~/50/230											
Current		Recommended fuses				A		32											

(1)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepoint is ≥ 45°C (eg. Fan coils) | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47~55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

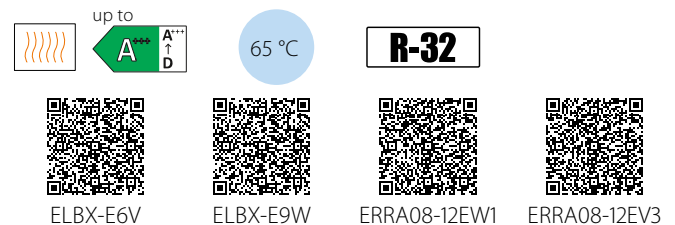
Daikin Altherma 3 R MT W

Wall mounted reversible air to water heat pump ideal for low energy houses

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



011-1W0651
011-1W0653
011-1W0655



Efficiency data				ELBX + ERRA		12E6V/9W + 08EV3		12E6V/9W + 10EV3		12E6V/9W + 12EV3		12E6V/9W + 08EW1		12E6V/9W + 10EW1		12E6V/9W + 12EW1			
Heating capacity				Nom.		kW						6.17							
Power input				Heating		kW				1.25				1.21					
	Space heating	Average climate water outlet 55°C	General	SCOP				3.37		3.38		3.47		3.48		3.58			
				η_{sp} (Seasonal space heating efficiency)		%		132				136				140			
				Seasonal space heating eff. class															
				Prated at -10°C		kW						12.5							
				Average climate water outlet 35°C	General	SCOP				4.79		4.82				4.95		4.98	
						η_{sp} (Seasonal space heating efficiency)		%		188		190				195		196	
Seasonal space heating eff. class																			
				Prated at -10°C		kW						8.3							
	Domestic hot water heating	Average climate	General	Declared load profile															
				Average COPdhw															
					η_{wh} (water heating efficiency)		%												
					Water heating energy efficiency class														
Indoor Unit				ELBX				12E6V/9W											
Casing		Colour						White + Black											
		Material						Resin, sheet metal											
Dimensions		Unit		HeightxWidthxDepth		mm		840x440x390											
Weight		Unit				kg		48.5											
Operation range		Indoor installation	Ambient	Min.~Max.		°CDB		5~35											
				Heating	Water side	Min.~Max.		°CDB		15~65									
				Domestic hot water	Water side	Min.~Max.		°CDB		25~62									
Sound power level		Nom.				dBA		44.0											
Sound pressure level		Nom.				dBA		30.0											
Outdoor Unit				ERRA				08EV3		10EV3		12EV3		08EW1		10EW1		12EW1	
Dimensions		Unit		HeightxWidthxDepth		mm		1,003x1,270x533											
Weight		Unit				kg		107											
Compressor		Quantity						1											
		Type						Hermetically sealed swing compressor											
Operation range		Heating	Min.~Max.	°CDB				-25.0~25											
				Cooling	Min.~Max.	°CDB				10~43									
				Domestic hot water	Min.~Max.	°CDB				-25~35									
Refrigerant		Type					R-32												
			GWP					675.0											
			Charge	kg				3.25											
			Charge	tCO2Eq				2.19											
			Control					Expansion valve											
Sound power level		Heating	Nom.		dBA				56.0						56.0 (1)				
		Cooling	Nom.		dBA		60.1		60.6		61.5		61.2		61.4 (2)		60.9 (2)		
Sound pressure level		Heating	Nom.		dBA				40.6				41.1		41.1 (3)				
		Cooling	Nom.		dBA		47		47.4		48.5		47.1		47.1 (4)		47.2 (4)		
Power supply		Name/Phase/Frequency/Voltage				Hz/V				V3/1~/50/230						W1/3~/50/400			
Current		Recommended fuses				A				32						16			

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump, according to EN14511 | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepiot is ≥ 45°C (eg. Fan coils) | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47~55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)



Combination table and options

			H/O
			3 R MT
			ELVH12S18E6V
			ELVH12S18E9W
			ELVH12S23E6V
			ELVH12S23E9W
Type	Description	Material name	
Outdoor unit		ERRA08EV3/W1	•
		ERRA10EV3/W1	•
		ERRA12EV3/W1	•
Controller	Wireless room by room control	Daikin Home Controls (page 242)	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•
	Wireless room thermostat	EKRTRB	•
	Wired digital thermostat	EKRTWA	•
	WLAN module	BRP069A71	•
	LAN module	BRP069A62	•
	WLAN cartridge	BRP069A78	• (1)
	Wired digital thermostat	EKWCTRD1V3	•
	Wired analog thermostat	EKWCTRAN1V3	•
	Wired underfloor heating base station	EKWUFHTA1V3	•
	Universal centralized controller	EKCC9-W, DCOM-LT/IO, LT/MB	•
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3	
		EKHWS(P)(U)180D3V3	
		EKHWS(P)(U)200D3V3	
		EKHWS(P)(U)250D3V3	
		EKHWS(P)(U)300D3V3	
	Polypropylene tank	EKHWP300B	
		EKHWP500B	
		EKHWP300PB	
		EKHWP500PB	
	Third party tank kit	EKHYPART	
		EKHYPART2	
Sensors	External sensor for EKRTRB room thermostat	EKRTETS	•
	High voltage smart grid relay kit	EKRELSG	•
	Remote indoor temperature sensor	KRCS01-1	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)
	Generic Bizone kit (PCB only)	EKMIKPOA	•
	Generic Bizone kit	EKMIKPHA	•
Other options	Digital I/O PCB	EKRPIHBA	• (7)
	Demand PCB	EKRPIAHT	•
	PC USB cable	EKPCCAB4	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4	•
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	
ECH ₂ O options	Booster heater kit	EKBH3SD	
	Inline BUH - connection kit	EKECBUCO2AF	
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V	
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V	
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W	
	Caleffi sludge and magnetite separator SAS1	156021	
	Biv Connector Kit	EKECBIVCO2AF	
	DB connector Kit	EKECDBC02AF	
	Solar kit HT incl. pump station	EKSRRP54A	
	Daikin Home Hub	EKRHH	•
Home Hub	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•
	Cable P1 to USB	EKP1USB	•

(1) Included in accessory bag.

(2) Dedicated connection kit: EKEPRHLT3HX.

(3) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.

(4) EKHYPART can be used if you have a tank in which you can insert the thermostat.

(5) EKHYPART2 can be used if you have a tank in which you can't insert a thermostat.

(6) Only one sensor can be connected: indoor or outdoor.

(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO2AF is needed to connect the backup heater to the main unit.

(9) Only bivalent models.

(10) Only needed for 300 models. 500 models do not need DB connector kit to install DB solar system.

(11) Models EKHWSU150DV3, EKHWSU180DV3, EKHWSU200DV3, EKHWSU250DV3 and EKHWSU300DV3 are not available for the UK.

Floor standing integrated tank		Floor standing integrated ECH ₂ O	Wall mounted	
Reversible	Bizone		H/O	Reversible
3 R MT	3 R MT	3 R MT	3 R MT	3 R MT
ELVX12S18E6V	ELVZ12S18E6V	ELSH(B)12P30E		
ELVX12S18E9W	ELVZ12S18E9W	ELSH(B)12P50E		
ELVX12S23E6V	ELVZ12S23E6V	ELSX(B)12P30E	ELBH12E6V	ELBX12E6V
ELVX12S23E9W	ELVZ12S23E9W	ELSX(B)12P50E	ELBH12E9W	ELBX12E9W
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•(1)	•(1)	•(1)	•(1)	•(1)
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
			•(11)	•(11)
			•(11)	•(11)
			•(11)	•(11)
			•(11)	•(11)
			•(11)	•(11)
			•(2)	•(2)
			•(3)	•(3)
			•(2)	•(2)
			•(3)	•(3)
			•(4)	•(4)
			•(5)	•(5)
•	•	•	•	•
•	•	•	•	•
•(6)	•(6)	•(6)	•(6)	•(6)
•(6)	•(6)	•(6)	•(6)	•(6)
•		•	•	•
•		•	•	•
•(7)	•(7)	•	•(7)	•(7)
•	•	•	•	•
•	•	•	•	•
	•			
			•	•
			•	
		•		
		•(8)		
		•(8)		
		•(8)		
		•		
		•(9)		
		•(10)		
		•		
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

Daikin Altherma 3 R

Refrigerant split air-to-water heat pump

Capacities from 11-16 kW



The Daikin Altherma 3 R is a high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

Refrigerant split version

Daikin Altherma 3 R with capacities from 11-16 kW connects the outdoor unit and indoor unit with refrigerant piping. It transfers the energy from the air to the water circuit inside.

Ideal for new buildings

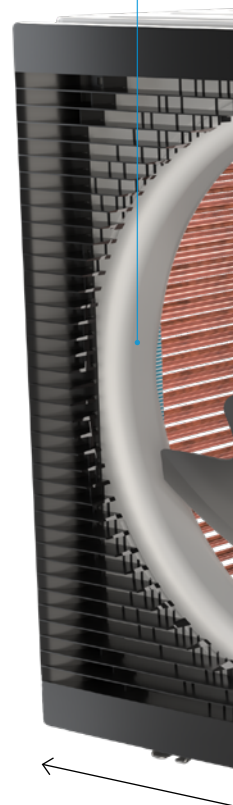
As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.



Heat pump convector



Underfloor heating





Continuous comfort:
leaving water temperatures
up to 60°C

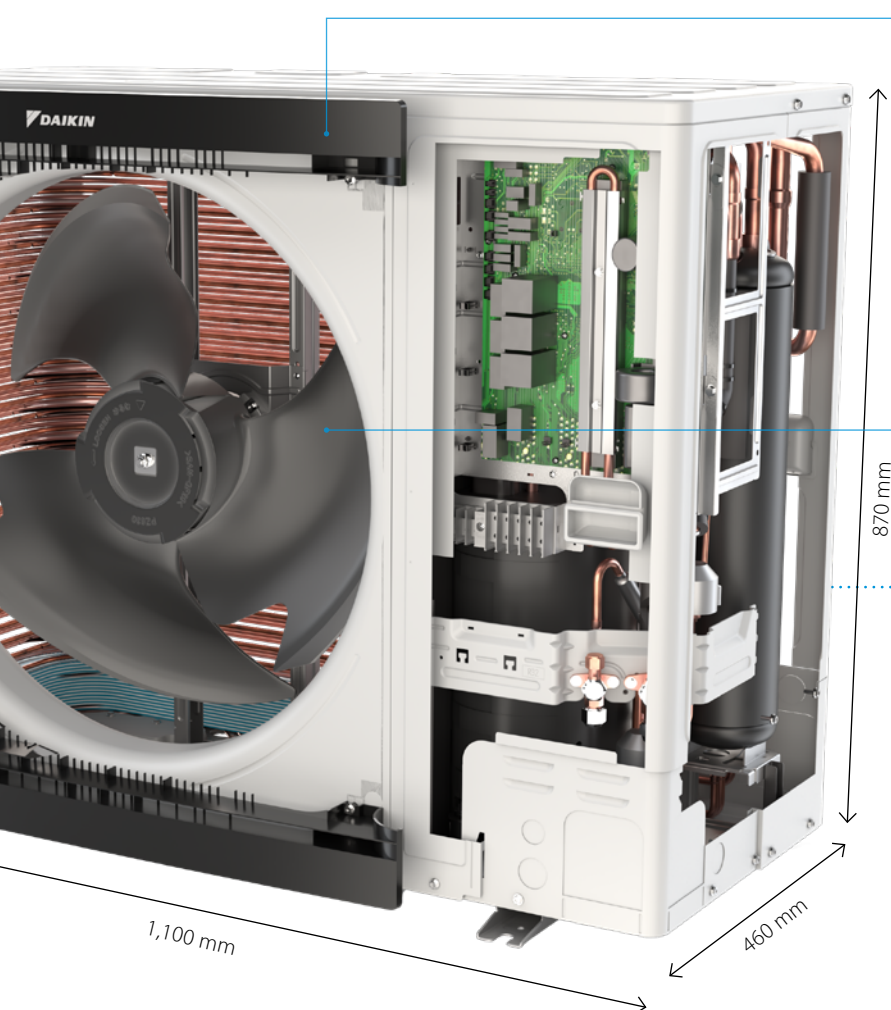


Perfect for new buildings
thanks to its low temperature
operation

Compactness

Ideal for small spaces

Thanks to its single fan, the height is limited, and its black grille makes it fit discretely in all kind of exteriors. Ideal for new built houses.



A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.

A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



Check out the
improved compactness!

Daikin Altherma 3 R F

Floor standing air to water heat pump
for heating and hot water

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Integrated back-up heater choice of 6, 9 kW as well as back-up heater less models are available



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVH-D6V



EBVH-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBVH + ERLA	11S18/23D6V/9W + 11DV3	16S18/23D6V/9W + 14DV3	16S18/23D6V/9W + 16DV37	11S18/23D6V/9W + 11DW1	16S18/23D6V/9W + 14DW1	16S18/23D6V/9W + 16DW17
Heating capacity		Nom.	kW		10.6	12.0	16.0	10.6	12.0	16.0
Power input		Heating	kW		2.18	2.46	3.53	2.18	2.46	3.53
 Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32
			η_{sp} (Seasonal space heating efficiency) %		126		130	126		130
			Seasonal space heating eff. class				A			A
	Average climate water outlet 35°C	General	Prated at -10°C	kW	10	11	12	10	11	12
			SCOP		4.63	4.60	4.61	4.63	4.60	4.61
			η_{sp} (Seasonal space heating efficiency) %		182	181		182	181	
		Seasonal space heating eff. class				A			A	
		Prated at -10°C	kW	10	11	12	10	11	12	
 Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.73/2.63					
		η_{wh} (water heating efficiency) %			116/109					
		Water heating energy efficiency class			G					
Indoor Unit				EBVH	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634					
Weight	Unit				124/133					
Tank	Water volume			l	180/230					
	Maximum water temperature			°C	70.0					
	Maximum water pressure			bar	10					
	Corrosion protection					Pickling				
Operation range	Indoor Ambient	Min.~Max.	°CDB		-25~35					
	Heating Water side	Min.~Max.	°CDB		18~60					
	Domestic hot water Water side	Min.~Max.	°CDB		10~60					
	hot water									
Sound power level	Nom.				44.0					
Sound pressure level	Nom.				30.0					
Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit				101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.	°CDB		-25.0~35					
	Cooling	Min.~Max.	°CDB		10~43					
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge	kg			3.80					
	Charge	tCO2Eq			2.57					
	Control				Electronic expansion valve					
Sound power level	Heating	Nom.	dBA		62.0 (1)					
Sound pressure level	Heating	Nom.	dBA		48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230				W1/3~/50/400	
Current	Recommended fuses			A	32				16	

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. (2) For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825

Daikin Altherma 3 R F

Floor standing air to water heat pump
for heating, cooling and hot water

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Integrated back-up heater choice of 6, 9 kW as well as back-up heater less models are available



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVX-D6V



EBVX-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBVX + ERLA	11S18/23D6V/9W + 11DV3	16S18/23D6V/9W + 14DV3	16S18/23D6V/9W + 16DV37	11S18/23D6V/9W + 11DW1	16S18/23D6V/9W + 14DW1	16S18/23D6V/9W + 16DW17	
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0	
Power input			Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53	
	Space heating	Average climate water outlet 55°C	General	SCOP	3.27	3.26	3.35	3.27	3.26	3.35	
				η _{sp} (Seasonal space heating efficiency)	128		131		128		131
				Seasonal space heating eff. class							
	Average climate water outlet 35°C	General	Prated at -10°C	kW	10	11	12	10	11	12	
			SCOP	4.72		4.68	4.72		4.68		
			η _{sp} (Seasonal space heating efficiency)	186		184	186		184		
			Seasonal space heating eff. class								
			Prated at -10°C	kW	10	11	12	10	11	12	
Domestic hot water heating		General	Declared load profile		L						
		Average climate	COP _{dhw}		2.73/2.63						
			η _{wh} (water heating efficiency)		116/109						
			Water heating energy efficiency class								
Indoor Unit					EBVX	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	11S18/23D6V/9W	16S18/23D6V/9W	
Casing		Colour	White + Black								
		Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634						
Weight	Unit			kg	124/133						
Tank	Water volume			l	180/230						
	Maximum water temperature			°C	70.0						
	Maximum water pressure			bar	10						
	Corrosion protection				Pickling						
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	-25~35						
	Heating	Water side	Min.~Max.	°CDB	15~65						
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60						
Sound power level	Nom.			dBA	44.0						
Sound pressure level	Nom.			dBA	30.0						
Outdoor Unit					ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460						
Weight	Unit			kg	101						
Compressor	Quantity				1						
	Type				Hermetically sealed swing inverter compressor						
Operation range	Heating	Min.~Max.		°CDB	-25.0~35						
	Cooling	Min.~Max.		°CDB	10~43						
	Domestic hot water	Min.~Max.		°CDB	-25~35						
Refrigerant	Type				R-32						
	GWP				675.0						
	Charge			kg	3.80						
	Charge			tCO ₂ Eq	2.57						
	Control				Electronic expansion valve						
Sound power level	Heating	Nom.		dBA	62.0 (1)						
Sound pressure level	Heating	Nom.		dBA	48.0 (1)						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	32			16			

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. (2) For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R F

Floor standing unit integrated with different temperature zones management

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVZ-D6V



EBVZ-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17



up to



Efficiency data				EBVZ + ERLA	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	
					+ 11DV3	+ 14DV3	+ 16DV37	+ 11DW1	+ 14DW1	+ 16DW17	
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0	
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53	
 Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32	
			ηs (Seasonal space heating efficiency)		131	126	130	131	126	130	
			Seasonal space heating eff. class								
	Average climate water outlet 35°C	General	Prated at -10°C	kW	10	11	12	10	11	12	
			SCOP		4.61	4.60	4.61	4.60	4.61		
			ηs (Seasonal space heating efficiency)		182	181	182	181			
		Seasonal space heating eff. class									
		Prated at -10°C	kW	10	11	12	10	11	12		
 Domestic hot water heating	General Average climate	Declared load profile		L/XL							
				2.73/2.63							
				116/109							
				 							
Indoor Unit				EBVZ	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	
Casing	Colour				White + Black						
	Material				Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634/1,855x595x634							
Weight	Unit		kg	137/145							
Tank	Water volume		l	180/230							
	Maximum water temperature		°C	70.0							
	Maximum water pressure		bar	10							
	Corrosion protection			Pickling							
Operation range	Indoor Ambient installation	Min.~Max.	°CDB	-25~35							
	Heating	Water side	Min.~Max.	°CDB	18~60						
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60						
Sound power level	Nom.		dBA	44.0							
Sound pressure level	Nom.		dBA	30.0							
Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17	
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460							
Weight	Unit		kg	101							
Compressor	Quantity	1									
	Type	Hermetically sealed swing inverter compressor									
Operation range	Heating	Min.~Max.	°CDB	-25.0~35							
	Cooling	Min.~Max.	°CDB	10~43							
	Domestic hot water	Min.~Max.	°CDB	-25~35							
Refrigerant	Type	R-32									
	GWP	675.0									
	Charge		kg	3.80							
	Charge		tCO2Eq	2.57							
Sound power level	Heating	Nom.	dBA	Electronic expansion valve							
				62.0 (l)							
Sound pressure level	Heating	Nom.	dBA	48.0 (l)							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	32			16			

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. (2) For more details, see operation range drawing. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)



Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible



011-1W0493
011-1W0494



EBSH-D



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data			EBSH + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17		
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0	
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53	
	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32	
			ηs (Seasonal space heating efficiency)	%	126		130	126		130	
		Seasonal space heating eff. class									
		Prated at -10°C			kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.63	4.60	4.61	4.63	4.60	4.61	
			ηs (Seasonal space heating efficiency)	%	182	181		182	181		
		Seasonal space heating eff. class									
		Prated at -10°C			kW	10	11	12	10	11	12
Domestic hot water heating	General Average climate	Declared load profile			L/XL						
		COPdhw			2.73/3.05			2.75/3.10			
		ηwh (water heating efficiency)			115/126			116/128			
		Water heating energy efficiency class									

Indoor Unit				EBSH	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680/1,910x792x817						
Weight	Unit		kg	93/114						
Tank	Water volume			294/477						
	Maximum water temperature			85.0						
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
		Heating	Water side Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
		hot water								
Sound power level	Nom.			dBA	44.7	49.0		44.7	49.0	
Sound pressure level	Nom.			dBA	36.8	40.3		36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460						
Weight	Unit		kg	101						
Compressor	Quantity			1						
	Type			Hermetically sealed swing inverter compressor						
Operation range	Heating	Min.~Max.	°CDB	-25~35						
	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	°CDB	-25~35						
Refrigerant	Type			R-32						
	GWP			675.0						
	Charge		kg	3.80						
	Charge		tCO ₂ Eq	2.57						
	Control			Electronic expansion valve						
Sound power level	Heating	Nom.	dBA	62.0 (3)						
Sound pressure level	Heating	Nom.	dBA	48.0 (3)						
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses		A	32			16			

(1) Refer to drawing operation limits | (2) For more details, see operation range drawing | (3) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible



011-1W0493
011-1W0494



EBSHB-D



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBSHB + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Space heating	Average climate water outlet 55°C	General	Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
			SCOP	%	3.23	3.22	3.32	3.23	3.22	3.32
	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency)	%	126		130	126		130
			Seasonal space heating eff. class							
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	Average climate	General	SCOP	%	4.63	4.60	4.61	4.63	4.60	4.61
			η _{wh} (water heating efficiency)	%	182	181		182	181	
			Seasonal space heating eff. class							
	Declared load profile	General	Prated at -10°C	kW	10	11	12	10	11	12
			COP _{dhw}		2.73/3.05			2.75/3.10		
			Water heating energy efficiency class		115/126			116/128		

Indoor Unit				EBSHB	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680/1,910x792x817						
Weight	Unit		kg	94/117						
Tank	Water volume		l	294/477						
	Maximum water temperature		°C	85.0						
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
	Sound power level	Nom.		dBA	44.7	49.0		44.7	49.0	
Sound pressure level				Nom.	dBA	36.8	40.3	36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460						
Weight	Unit		kg	101						
Compressor	Quantity			1						
	Type			Hermetically sealed swing inverter compressor						
Operation range	Heating		°CDB	-25~35						
	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	°CDB	-25~35						
Refrigerant	Type			R-32						
	GWP			675.0						
	Charge		kg	3.80						
	Charge		tCO ₂ Eq	2.57						
	Control			Electronic expansion valve						
Sound power level	Heating	Nom.	dBA	62.0 (3)						
Sound pressure level	Heating	Nom.	dBA	48.0 (3)						
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses		A	32			16			

(1) Refer to drawing operation limits | (2) For more details, see operation range drawing | (3) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible
- Wired remote control for pump station EKSRS1A, connectable to pressurised solar system



011-1W0493
011-1W0494



EBSX-D



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data			EBSX + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Space heating	Average climate water outlet 55°C	Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
		Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
		SCOP		3.27	3.26	3.35	3.27	3.26	3.35
	Average climate water outlet 35°C	η _s (Seasonal space heating efficiency)	%	128		131	128		131
		Seasonal space heating eff. class				A			A
		Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	SCOP		4.72	4.68		4.72	4.68	
		η _{wh} (water heating efficiency)	%	186	184		186	184	
		Seasonal space heating eff. class				A			A
	Declared load profile	Prated at -10°C	kW	10	11	12	10	11	12
		COP _{dhw}		2.73/3.05		L/XL	2.75/3.10		
		Water heating energy efficiency class				A			A

Indoor Unit			EBSX	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour		Traffic white (RAL9016)/Traffic black (RAL9017)						
	Material		Impact resistant polypropylene						
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680/1,910x792x817					
Weight	Unit		kg	93/114					
Tank	Water volume		l	294/477					
	Maximum water temperature		°C	85.0					
Operation range	Indoor Ambient	Min.~Max.	°CDB	5~35					
	Heating Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Min.~Max.	°CDB	10~60					
	Sound power level	Nom.	dBA	44.7	49.0		44.7	49.0	
Sound pressure level	Heating	Nom.	dBA	36.8	40.3		36.8	40.3	
	Domestic hot water	Nom.	dBA						

Outdoor Unit			ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460					
Weight	Unit		kg	101					
Compressor	Quantity			1					
Operation range	Type			Hermetically sealed swing inverter compressor					
	Heating	Min.~Max.	°CDB	-25~35					
	Cooling	Min.~Max.	°CDB	10~43					
	Domestic hot water	Min.~Max.	°CDB	-25~35					
Refrigerant	Type			R-32					
	GWP			675.0					
	Charge		kg	3.80					
	Charge		tCO ₂ Eq	2.57					
	Control			Electronic expansion valve					
Sound power level	Heating	Nom.	dBA	62.0 (3)					
Sound pressure level	Heating	Nom.	dBA	48.0 (3)					
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses	A		32			16		

(1) Refer to drawing operation limits | (2) For more details, see operation range drawing | (3) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible
- Wired remote control for pump station EKSRDS1A, connectable to pressurised solar system



011-1W0493
011-1W0494



EBSXB-D



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBSXB + ERLA		11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17	
Heating capacity			Nom.	kW		10.6	12.0	16.0	10.6	12.0	16.0	
Power input			Heating	kW		2.19	2.46	3.53	2.19	2.46	3.53	
 Space heating	Average climate water outlet 55°C	General	SCOP			3.27	3.26	3.35	3.27	3.26	3.35	
			η _s (Seasonal space heating efficiency)	%	128		131	128		131		
		Seasonal space heating eff. class										
		Prated at -10°C	kW	10	11	12	10	11	12			
	Average climate water outlet 35°C	General	SCOP			4.72	4.68		4.72	4.68		
			η _s (Seasonal space heating efficiency)	%	186	184		186	184			
		Seasonal space heating eff. class										
		Prated at -10°C	kW	10	11	12	10	11	12			
 Domestic hot water heating	General Average climate	Declared load profile						L/XL				
		COP _{dhw}						2.73/3.05				
		η _{wh} (water heating efficiency)			% 115/126							
		Water heating energy efficiency class										
Indoor Unit				EBSXB		11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D	
Casing		Colour		Traffic white (RAL9016)/Traffic black (RAL9017)								
		Material										
Dimensions		Unit	HeightxWidthxDepth		mm 1,893x594x680/1,910x792x817							
Weight		Unit		kg 94/117								
Tank		Water volume		l 294/477								
		Maximum water temperature		°C 85.0								
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35							
		Heating	Water side	Min.~Max.	°C	18~60						
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60							
Sound power level		Nom.		dBA	44.7	49.0		44.7		49.0		
Sound pressure level		Nom.		dBA	36.8	40.3		36.8		40.3		
Outdoor Unit				ERLA		11DV3	14DV3	16DV37	11DW1	14DW1	16DW17	
Dimensions		Unit		HeightxWidthxDepth		mm 870x1,100x460						
Weight		Unit		kg 101								
Compressor		Quantity		1								
		Type		Hermetically sealed swing inverter compressor								
Operation range	Heating		Min.~Max.	°CDB	-25~35							
	Cooling		Min.~Max.	°CDB	10~43							
	Domestic hot water		Min.~Max.	°CDB	-25~35							
Refrigerant	Type		R-32									
	GWP		675.0									
	Charge		kg	3.80								
	Charge		tCO2Eq	2.57								
	Control		Electronic expansion valve									
Sound power level		Heating		Nom.	dBA	62.0 (3)						
Sound pressure level		Heating		Nom.	dBA	48.0 (3)						
Power supply		Name/Phase/Frequency/Voltage			Hz/V V3/1~/50/230				W1/3~/50/400			
Current		Recommended fuses			A 32				16			

(1) Refer to drawing operation limits | (2) For more details, see operation range drawing | (3) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°C. | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R W

Wall mounted heating only air to water heat pump ideal for low energy houses

- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- The unit's sleek design blends in with other household appliances.


R-32


EBBH-D6V



EBBH-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBBH + ERLA	11D6V/9W + 11DV3	16D6V/9W + 14DV3	16D6V/9W + 16DV37	11D6V/9W + 11DW1	16D6V/9W + 14DW1	16D6V/9W + 16DW17		
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0		
Power input			Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53		
	Space heating	Average climate water outlet 55°C	General	SCOP	3.23	3.22	3.32	3.23	3.22	3.32		
				ηs (Seasonal space heating efficiency)	126		130		126		130	
				Seasonal space heating eff. class								
				Prated at -10°C	kW	10	11	12	10	11	12	
	Average climate water outlet 35°C	General	SCOP	4.63	4.60	4.61	4.63	4.60	4.61			
			ηs (Seasonal space heating efficiency)	182	181		182		181			
			Seasonal space heating eff. class									
			Prated at -10°C	kW	10	11	12	10	11	12		
Domestic hot water heating	General Average climate	Declared load profile										
		COPdhw			-							
		ηwh (water heating efficiency)			-							
		Water heating energy efficiency class			-							
Indoor Unit				EBBH	11D6V/9W	16D6V/9W	16D6V/9W	11D6V/9W	16D6V/9W	16D6V/9W		
Casing	Colour				White + Black							
	Material				Resin, sheet metal							
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390							
Weight	Unit				52.5	54.5			52.5	54.5		
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35							
		Heating	Water side	Min.~Max.	°C	18~60						
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60							
		Sound power level	Nom.	dBA			44 (1)					
Sound pressure level	Nom.	dBA			30 (2)							
Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17		
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit				101							
Compressor	Quantity				1							
	Type				Hermetically sealed swing inverter compressor							
Operation range	Heating	Min.~Max.		°CDB	-25~35							
	Cooling	Min.~Max.		°CDB	10~43							
	Domestic hot water	Min.~Max.		°CDB	-25~35							
	Refrigerant	Type				R-32						
	GWP				675.0							
	Charge				3.80							
	Charge	tCO2Eq			2.57							
	Control				Electronic expansion valve							
Sound power level	Heating	Nom.		dBA	62.0 (1)							
Sound pressure level	Heating	Nom.		dBA	48.0 (1)							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230				W1/3~/50/400			
Current	Recommended fuses			A	32				16			

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. (2) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. (3) For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating setpoint is ≥ 45°C (eg. Fan coils) | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R W

Wall mounted reversible air to water heat pump ideal for low energy houses

- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- The unit's sleek design blends in with other household appliances.



011-1W0498
011-1W0499
011-1W0500



EBBX-D6V



EBBX-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBBX + ERLA	11D6V/9W + 11DV3	16D6V/9W + 14DV3	16D6V/9W + 16DV37	11D6V/9W + 11DW1	16D6V/9W + 14DW1	16D6V/9W + 16DW17	
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0	
Power input			Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53	
	Space heating	Average climate water outlet 55°C	General	SCOP	3.27	3.26	3.35	3.27	3.26	3.35	
				η _s (Seasonal space heating efficiency)	%	128		131	128		131
				Seasonal space heating eff. class							
				Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP	4.72		4.68		4.72		4.68	
			η _s (Seasonal space heating efficiency)	%	186		184		186		184
			Seasonal space heating eff. class								
			Prated at -10°C	kW	10	11	12	10	11	12	
Domestic hot water heating	General	Declared load profile	Average								
			COP _{dhw}		-						
			η _{wh} (water heating efficiency)	%	-						
			Water heating energy efficiency class		-						
Indoor Unit				EBBX	11D6V/9W	16D6V/9W	16D6V/9W	11D6V/9W	16D6V/9W	16D6V/9W	
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390						
Weight	Unit				kg	52.5	54.5		52.5	54.5	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35						
		Heating	Water side Min.~Max.	°C	18~60						
		Domestic hot water	Water side Min.~Max.	°CDB	10~60						
Sound power level	Nom.				dBA	44					
Sound pressure level	Nom.				dBA	30					
Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17	
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460						
Weight	Unit				kg	101					
Compressor	Quantity					1					
	Type					Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.		°CDB	-25~35						
	Cooling	Min.~Max.		°CDB	10~43						
	Domestic hot water	Min.~Max.		°CDB	-25~35						
Refrigerant	Type					R-32					
	GWP					675.0					
	Charge				kg	3.80					
	Charge				tCO ₂ Eq	2.57					
	Control					Electronic expansion valve					
Sound power level	Heating	Nom.		dBA	62.0 (1)						
Sound pressure level	Heating	Nom.		dBA	48.0 (1)						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230				W1/3~/50/400		
Current	Recommended fuses			A	32				16		

(1) Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. (2) For more details, see operation range drawing. Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825 | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating setpoint is ≥ 45°C (eg. Fan coils) | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Combination table and options

			Floor standing integrated stainless steel tank			
			H/O		Reversible	
			11 class	16 class	11 class	16 class
			EBVH11S18D6V	EBVH16S18D6V	EBVX11S18D6V	EBVX16S18D6V
			EBVH11S18D9W	EBVH16S18D9W	EBVX11S18D9W	EBVX16S18D9W
			EBVH11S23D6V	EBVH16S23D6V	EBVX11S23D6V	EBVX16S23D6V
			EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W
Type	Description	Material name				
Outdoor unit	11 kW	ERLA11DV3/W1	•		•	
	14 kW	ERLA14DV3/W1		•		•
	16 kW	ERLA16DV37/W17		•		•
Controls	Wireless room by room control	Daikin Home Controls (page 242)	•	•	•	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•
	WLAN module	BRP069A71	•	•	•	•
	WLAN cartridge	BRP069A78	•	•	•	•
	Wired digital thermostat	EKWCTRD1IIV3	•	•	•	•
	Wired analog thermostat	EKWCTRANIV3	•	•	•	•
	Valve actuator	EKWCVATRIV3	•	•	•	•
	Wired underfloor heating base station	EKWUFHTAIV3	•	•	•	•
	Universal centralised controller	EKCC9-W, DCOM-LT/IO, LT/MB	•	•	•	•
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3				
		EKHWS(P)(U)180D3V3				
		EKHWS(P)(U)200D3V3				
		EKHWS(P)(U)250D3V3				
		EKHWS(P)(U)300D3V3				
	Polypropylene tank	EKHWP300B				
		EKHWP500B				
		EKHWP300PB				
		EKHWP500PB				
	Third party tank kit	EKHYPART				
		EKHYPART2				
Sensors	External sensor for EKRTRB room thermostat	EKRTETS	• (5)	• (5)	• (5)	• (5)
	High voltage smart grid relay kit	EKRELSG	•	•	•	•
	Remote indoor temperature sensor	KRCS01-1	• (6)	• (6)	• (6)	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)	• (6)	• (6)	• (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	•	•	•	•
	Generic Bizone kit	EKMIKPHA	•	•	•	•
Other options	Digital I/O PCB	EKRPIHBA	• (7)	• (7)	• (7)	• (7)
	Demand PCB	EKRPIAHT	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•
	Balancing valve	KBLNVALVE	•	•	•	•
	Decoupler	KDECOUP	•	•	•	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4	•	•		
	Conversion kit H/O to reversible for wall mounted	EKHBCONV				
ECH ₂ O options	Inline BUH - connection kit	EKECBUCO2AF				
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V				
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V				
	Inline BUH - 9kW, for *9 WN (3N~, 400 V, 9 kW)	EKECBUAF9W				
	Caleffi sludge and magnetite separator SAS1	156021				
	Biv Connector Kit	EKECBIVCO2AF				
	DB connector Kit	EKECDBCO2AF				
Home Hub	Daikin Home Hub	EKRHH	•	•	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•	•	•
	Cable P1 to USB	EKP1USB	•	•	•	•

(1) Dedicated connection kit: EKEPRHLT3HX.

(2) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.

(3) EKHYPART can be used if you have a tank in which you can insert the thermistor.

(4) EKHYPART2 can be used if you have a tank in which you can't insert a thermistor.

(5) Can only be used in combination with the wireless room thermostat EKRTRB.

(6) Only one sensor can be connected: indoor or outdoor.

(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

Daikin Altherma 3 R

Refrigerant split air-to-water heat pump

Small capacities of 4-8 kW



Why choose **Daikin Altherma 3 R**?



Wall mounted
model



Integrated ECH₂O
DHW tank model



Integrated DHW
stainless steel tank
model

Ideal for small newly built or renovated houses

With capacities from 4 to 8 kW, the Daikin Altherma units are perfect for new buildings, low energy houses and renovations.

Easy to install

- Delivered ready to operate: all key hydraulic elements are factory mounted
- All servicing can be done from the front and all pipings can be accessed at the top of the unit
- Reduced installation time: the outdoor unit is tested and charged with refrigerant

Easy to control

- The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- Control your system from anywhere at any time via the Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems

High performance

- Leaving water temperature up to 65 °C at high efficiency
- Suitable for both underfloor heating and radiators
- Pedigree trademark in frost protection down to -25 °C, ensuring reliable operation even in the coldest climates
- The technology offers high performances:
 - Seasonal efficiency up to A+++
 - Heating efficiency up to a COP of 5.1 (at 7 °C/35 °C)
 - Domestic hot water efficiency up to COP of 3.3 (EN16147)
- Available in 4, 6 and 8 kW





Daikin Altherma 3 R offers a wide range to adapt to your customers needs

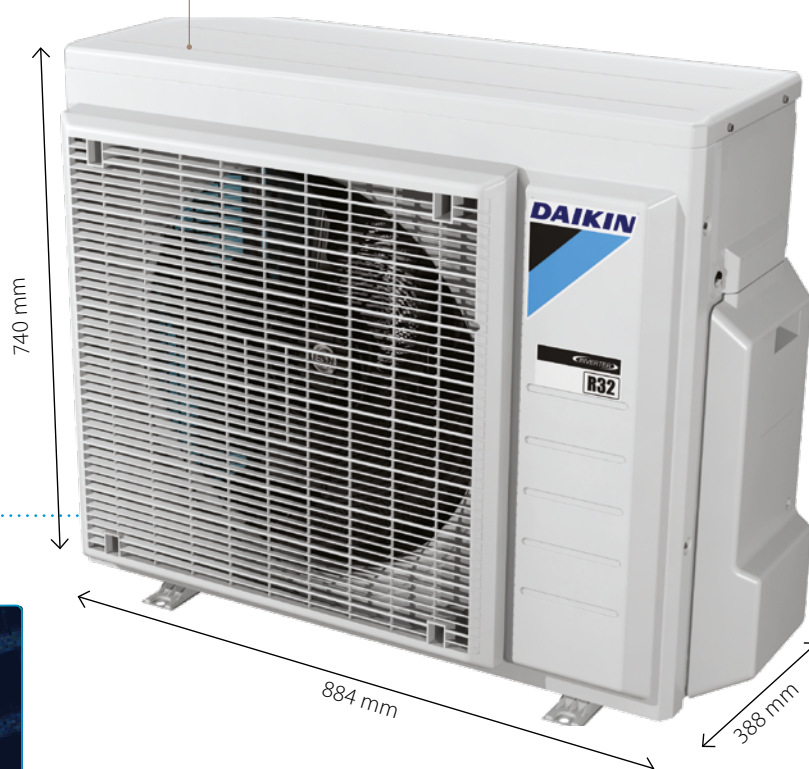
✓ **Best seasonal efficiencies in its class** providing the highest savings on running costs

✓ **Perfect fit for new buildings,** as well as for low energy houses

✓ **A leaving water temperature up to 65 °C** makes it also **a suitable choice for refurbishments**

Compact outdoor unit

Compact and low-profile, the outdoor unit fits effortlessly on terraces, rooftops, or exterior walls, wherever space is tight.



Daikin Altherma 3 R F

Floor standing air to water heat pump for heating and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251



EHVH-E6V



EHVH-E9W



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHVH + ERGA	04S18E6V/9W + 04EV	04S23E6V/9W + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7
Heating capacity	Nom.		kW		4.3		6.0		7.5	
Power input	Heating		kW		0.85		1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			η _s (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class							
	Average climate water outlet 35°C	General	Prated at -10°C	kW	6.0		7.0		8.0	
			SCOP		4.48		4.47		4.56	
			η _s (Seasonal space heating efficiency)	%	176				179	
Domestic hot water heating	General Average climate	Declared load profile			L	XL	L	XL	L	XL
		COP _{dhw}					-			
		η _{nwh} (water heating efficiency)		%	125	133	125	133	125	133
		Water heating energy efficiency class								

Indoor Unit				EHVH	04S18E6V/9W	04S23E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg		119	128	119	128	119	128
Tank	Water volume		l		180	230	180	230	180	230
	Maximum water temperature		°C		70					
	Maximum water pressure		bar		10					
	Corrosion protection				Pickling					
Operation range	Indoor installation	Ambient	°CDB		5~30					
		Heating Water side Min.~Max.	°C		5~65					
Sound power level	Nom.		dBA		42 (1)					
Sound pressure level	Nom.		dBA		28 (2)					

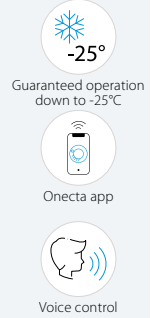
Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit		kg		58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB		-25~25		
	Cooling	Min.~Max.	°CDB		10~43		
	Domestic hot water	Min.~Max.	°CDB		-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge		kg		1.50		
	Charge		tCO2Eq		1.01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA	58 (4)	60 (4)		62 (4)
	Cooling	Nom.	dBA	61 (4)		62 (4)	
Sound pressure level	Heating	Nom.	dBA	44 (4)	47 (4)		49 (4)
	Cooling	Nom.	dBA	48 (4)	49 (4)		50 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	20		25

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3) Refer to operation range of the unit. | (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | PED unit category: Art393: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating, cooling and hot water; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251



EHVX-E3V



EHVX-E6V



EHVX-E9W



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHVX + ERGA		04S18E3V + 04EV	04S18E6V/9W + 04EV	04S23E3V + 04EV	04S23E6V/9W + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7		
Heating capacity			Nom.	kW				4.3			6.0		7.5		
Power input			Heating	kW				0.85			1.24		1.63		
	Space heating	Average climate water outlet 55°C	General	SCOP				3.29		3.27	3.28		3.35		
				ηs (Seasonal space heating efficiency)	%			129			128		131		
				Seasonal space heating eff. class											
		Average climate water outlet 35°C	General	Prated at -10°C	kW			6.0			7.0		8.0		
				SCOP				4.54			4.52		4.61		
				ηs (Seasonal space heating efficiency)	%			179			178		181		
			Seasonal space heating eff. class												
			Prated at -10°C	kW			6.0			7.0		8.0			
	Domestic hot water heating	General	Declared load profile				L		XL		L	XL			
		Average climate	COPdhw					-				-			
			ηwh (water heating efficiency)		%		127	125	134	133	125	133	125	133	
			Water heating energy efficiency class												
Indoor Unit				EHVX		04S18E3V	04S18E6V/9W	04S23E3V	04S23E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W		
Casing		Colour				White + Black									
		Material				Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth		mm		1,650x595x625			1,850x595x625			1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg		119			128			119	128	119	128
Tank	Water volume			l		180			230			180	230	180	230
	Maximum water temperature			°C					70						
	Maximum water pressure			bar					10						
	Corrosion protection								Pickling						
Operation range	Indoor installation	Ambient		°CDB					5~30						
	Heating	Water side	Min.~Max.	°C					5~65						
Sound power level	Nom.			dBA					42 (1)						
Sound pressure level	Nom.			dBA					28 (2)						
Outdoor Unit				ERGA		04EV				06EVH		08EVH7			
Dimensions	Unit	HeightxWidthxDepth		mm						740x884x388					
Weight	Unit			kg						58.5					
Compressor	Quantity									1					
	Type									Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.		°CDB						-25~25					
	Cooling	Min.~Max.		°CDB						10~43					
	Domestic hot water	Min.~Max.		°CDB						-25~35					
Refrigerant	Type									R-32					
	GWP									675.0					
	Charge			kg						1.5					
	Charge			tCO2Eq						1.01					
	Control									Expansion valve					
Sound power level	Heating	Nom.		dBA		58 (4)				60 (4)		62 (4)			
	Cooling	Nom.		dBA		61 (4)						62 (4)			
Sound pressure level	Heating	Nom.		dBA		44 (4)				47 (4)		49 (4)			
	Cooling	Nom.		dBA		48 (4)				49 (4)		50 (4)			
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1N~/50/230									
Current	Recommended fuses			A		20								25	

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3) Refer to operation range of the unit. | (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | PED unit category: Art353: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency



011-1W0218 → 222



EHVZ-E6V



EHVZ-E9W



ERGA04-08EV



ERGA-EVH



ERGA-EVH7



Guaranteed operation down to -25°C



Onecta app



Voice control



up to



65 °C

R-32

Efficiency data				EHVZ + ERGA	04S18E6V/9W + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7				
Heating capacity			Nom.	kW	4.36	6.0		7.5					
Power input			Heating	kW	0.83	1.24		1.63					
	Space heating	Average climate water outlet 55°C	General	SCOP	3.26		3.32						
				ηs (Seasonal space heating efficiency)	127		130						
				Seasonal space heating eff. class									
				Prated at -10°C	kW	6.0	7.0		8.0				
	Average climate water outlet 35°C	General	SCOP	4.48		4.47		4.56					
			ηs (Seasonal space heating efficiency)	176		179							
			Seasonal space heating eff. class										
			Prated at -10°C	kW	6.0	7.0		8.0					
Domestic hot water heating	General Average climate	Declared load profile		L		XL		L		XL			
		COPdhw				-							
		ηwh (water heating efficiency)		%		125		133		125		133	
		Water heating energy efficiency class											
Indoor Unit				EHVZ	04S18E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W				
Casing	Colour				White + Black								
	Material				Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625		1,850x595x625	1,650x595x625	1,850x595x625				
Weight	Unit				kg	125	133	125	133				
Tank	Water volume			l	180	230		180	230				
	Maximum water temperature			°C	70								
	Maximum water pressure			bar	10								
	Corrosion protection			Pickling									
Operation range	Indoor installation	Ambient	°CDB	5~30									
	Heating	Water side	Min.~Max.	°C	5~65								
Sound power level	Nom.				dBA	42 (1)							
Sound pressure level	Nom.				dBA	28 (2)							
Outdoor Unit				ERGA	04EV	06EVH	06EVH	08EVH7	08EVH7				
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388								
Weight	Unit				kg	58.5							
Compressor	Quantity				1								
	Type			Hermetically sealed swing compressor									
Operation range	Heating	Min.~Max.		°CDB	-25~25								
	Cooling	Min.~Max.		°CDB	10~43								
	Domestic hot water	Min.~Max.		°CDB	-25~35								
Refrigerant	Type				R-32								
	GWP				675.0								
	Charge	kg			1.50								
	Charge	tCO2Eq			1.01								
	Control				Expansion valve								
Sound power level	Heating	Nom.	dBA	58 (4)	60 (4)		62 (4)						
	Cooling	Nom.	dBA	61 (4)			62 (4)						
Sound pressure level	Heating	Nom.	dBA	44 (4)	47 (4)		49 (4)						
	Cooling	Nom.	dBA	48 (4)	49 (4)		50 (4)						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230								
Current	Recommended fuses			A	20			25					

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3) Refer to operation range of the unit. | (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | PED unit category: Art3S3; excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation



ESH-E



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

011-1W0262
011-1W0264 → 267

Efficiency data				EHSH + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.36	6.0	7.5		
Power input	Heating			kW	0.83	1.24	1.63		
Space heating	Average climate water outlet 55°C	General	SCOP		3.26	3.32			
			ηs (Seasonal space heating efficiency)	%	127	130			
			Seasonal space heating eff. class						
	Average climate water outlet 35°C	General	Prated at -10°C	kW	6.0	7.0	8.0		
			SCOP		4.88	4.47	4.56		
			ηs (Seasonal space heating efficiency)	%	192	176	179		
Domestic hot water heating	General	Declared load profile	Prated at -10°C	kW	6.0	7.0	8.0		
			COPdhw		L	XL	L	XL	
			ηwh (water heating efficiency)	%	2.80	3.06	2.80	3.06	
	Average climate	Water heating energy efficiency class	Water heating energy efficiency class		118	125	118	125	

Indoor Unit				EHSH	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm		1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	
Weight	Unit		kg		77.0	97.0	77.0	97.0	
Tank	Water volume		l		294	477	294	477	
	Maximum water temperature		°C			85.0			
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35			
	Heating	Water side	Min.~Max.	°C		5~65			
Sound power level	Nom.		dBA			39			

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB			-25~25	
	Cooling	Min.~Max.	°CDB			10~43	
	Domestic hot water	Min.~Max.	°CDB			-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge		kg			1.5	
	Charge		tCO ₂ Eq			1.01	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA	58 (1)		60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)		62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)		47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)		49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/230	
Current	Recommended fuses		A		20		25

(l)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

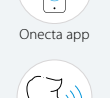
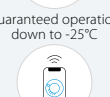
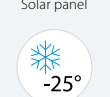
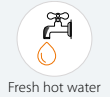
ECH₂O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation



011-1W0262
011-1W0264 → 267



R-32



EHSB-E



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

Efficiency data		EHSB + ERGA		04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.	kW		4.36	6.0		7.5	
Power input	Heating	kW		0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP	3.26			3.32	
			η _s (Seasonal space heating efficiency)	127			130	
			Seasonal space heating eff. class					
	Average climate water outlet 35°C	General	Prated at -10°C	6.0	7.0		8.0	
			SCOP	4.88	4.47		4.56	
			η _s (Seasonal space heating efficiency)	192	176		179	
Domestic hot water heating	General climate	Declared load profile	Prated at -10°C	6.0	7.0		8.0	
			COP _{dhw}	2.80	3.06		2.80	3.06
			η _{wh} (water heating efficiency)	118	125		118	125
			Water heating energy efficiency class					

Indoor Unit		EHSB	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material	Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit		kg	80.0	104	80.0	104
Tank	Water volume		l	294	477	294	477
	Maximum water temperature		°C		85.0		
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35		
		Heating	Water side	Min.~Max.	°C	5~65	
Sound power level	Nom.		dBA		39		

Outdoor Unit		ERGA		04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-25~25		
	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.5		
	Charge		tCO2Eq	1.01		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		
Current	Recommended fuses		A	20		25

(l) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

ECH₂O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation



011-1W0262 → 267



EHSX-E



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Space heating	Average climate water outlet 55°C	General	Nom.	kW	4.36		6.0		7.5	
			Heating	kW	0.83		1.24		1.63	
		General	SCOP		3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129		128		131	
	Average climate water outlet 35°C	General	Seasonal space heating eff. class				A			
			Prated at -10°C	kW	6.0		7.0		8.0	
		General	SCOP		4.96		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	195		178		181	
Domestic hot water heating	General	Declared load profile	Seasonal space heating eff. class				A			
			Prated at -10°C	kW	6.0		7.0		8.0	
			L		L		L		L	
			XL		XL		XL		XL	
			2.80		2.80		2.80		2.80	

Indoor Unit				EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour			mm	Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth			1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit			kg	77.0	97.0	77.0	97.0	77.0	97.0
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85.0					
	Operation range	Indoor installation	Ambient Min.~Max.	°CDB	5~35					
Heating		Water side Min.~Max.	°C	5~65						
Sound power level	Nom.			dBA	39					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388			
Weight	Unit		kg	58.5			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Heating	Min.~Max.	°CDB	-25~25			
	Cooling	Min.~Max.	°CDB	10~43			
	Domestic hot water	Min.~Max.	°CDB	-25~35			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	1.5			
	Charge		tCO2Eq	1.01			
	Control			Expansion valve			
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)		62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)		
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)		49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)		50 (1)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230			
Current	Recommended fuses		A	20			25

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897

Daikin Altherma 3 R

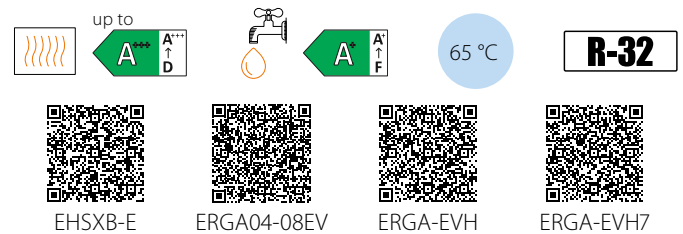
ECH₂O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation



011-1W0262 → 267



Efficiency data				EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV7	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity			Nom.	kW	4.36		6.0		7.5	
Power input			Heating	kW	0.83		1.24		1.63	
 Space heating	Average climate water outlet 55°C	General		SCOP	3.29		3.28		3.35	
				ηs (Seasonal space heating efficiency)	129		128		131	
				Seasonal space heating eff. class						
				Prated at -10°C	kW	6.0		7.0		8.0
	Average climate water outlet 35°C	General		SCOP	4.96		4.52		4.61	
				ηs (Seasonal space heating efficiency)	195		178		181	
				Seasonal space heating eff. class						
				Prated at -10°C	kW	6.0		7.0		8.0
 Domestic hot water heating	General Average climate	Declared load profile			L	XL	L	XL	L	XL
		COPdhw			2.80	3.06	2.80	3.06	2.80	3.06
		ηwh (water heating efficiency)			118	125	118	125	118	125
		Water heating energy efficiency class								

Indoor Unit				EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour	Traffic white (RAL9016)/Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	1,910x792x817
Weight	Unit		kg	80.0	104	80.0	104	80.0	104	104
Tank	Water volume		l	294	477	294	477	294	477	477
	Maximum water temperature		°C				85.0			
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB			5~35			
		Heating	Water side	Min.~Max.	°C		5~65			
	Sound power level	Nom.		dBA			39			

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB			-25~25	
	Cooling	Min.~Max.	°CDB			10~43	
	Domestic hot water	Min.~Max.	°CDB			-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge	kg				1.5	
	Charge	tCO ₂ Eq				1.01	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA		58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA		61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA		44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA		48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage	Hz/V				V3/1N~/50/230	
Current	Recommended fuses	A			20		25

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Heatloss according to EN12897



Daikin Altherma 3 R W

Wall mounted heating only air to water heat pump ideal for low energy houses

- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH₂O thermal store.



-25°

Guaranteed operation down to -25°C



Onecta app



Voice control



65 °C

R-32

011-1W0218-219
011-1W0221
011-1W0246-247



EHBH-E6V



EHBH-E9W



ERGA04-08EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHBH + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity		Nom.	kW		4.36	6.0		7.5	
Power input		Heating	kW		0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP			3.26			3.32
			ηs (Seasonal space heating efficiency)	%		127			130
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
			SCOP		4.88	4.47		4.56	
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	192	176		179	
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
			SCOP						
			ηwh (water heating efficiency)	%					
Domestic hot water heating	General climate	Declared load profile							
		COPdhw							
		Water heating energy efficiency class							

Indoor Unit				EHBH	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35				
	Heating	Water side	Min.~Max.	°C	5~65				
Sound power level	Nom.				42 (1)				
Sound pressure level	Nom.				28 (2)				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388			
Weight	Unit		kg	58.5			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Heating	Min.~Max.	°CDB	-25~25			
	Cooling	Min.~Max.	°CDB	10~43			
	Domestic hot water	Min.~Max.	°CDB	-25~35			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	1.5			
	Charge		tCO2Eq	1.01			
	Control			Expansion valve			
Sound power level	Heating	Nom.	dBA	58 (4)	60 (4)	62 (4)	
	Cooling	Nom.	dBA	61 (4)	62 (4)		
Sound pressure level	Heating	Nom.	dBA	44 (4)	47 (4)	49 (4)	
	Cooling	Nom.	dBA	48 (4)	49 (4)	50 (4)	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230			
Current	Recommended fuses		A	20			25

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | (3)For more details, see operation range drawing | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | PED unit category: Art3S3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply for control box is for booster heater only. The switchbox of the controller box is supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Select diameter and type according to national and local regulations

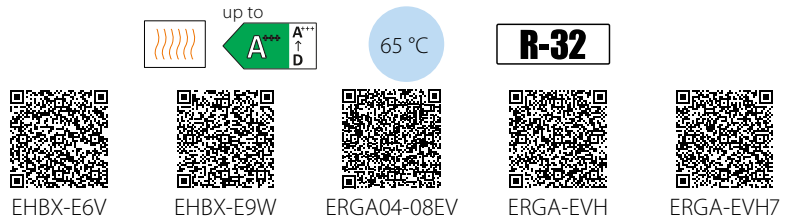
Daikin Altherma 3 R W

Wall mounted reversible air to water heat pump ideal for low energy houses

- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH₂O thermal store.



011-1W0218-219
011-1W0221
011-1W0246-247



Efficiency data				EHBX + ERGA		04E6V + 04EV		08E6V + 06EVH		08E9W + 06EVH		08E6V + 08EVH7		08E9W + 08EVH7			
Heating capacity				Nom.		kW		4.36		6.0		7.5					
Power input				Heating		kW		0.83		1.24		1.63					
Space heating				Average climate water outlet 55°C		General		SCOP		3.29		3.28		3.35			
				ηs (Seasonal space heating efficiency)		%		129		128		131					
				Seasonal space heating eff. class						A+++							
				Prated at -10°C		kW		6.0		7.0		8.0					
				Average climate water outlet 35°C		General		SCOP		4.96		4.52		4.61			
				ηs (Seasonal space heating efficiency)		%		195		178		181					
				Seasonal space heating eff. class						A+++							
				Prated at -10°C		kW		6.0		7.0		8.0					
Domestic hot water heating				General		Declared load profile				-							
				Average climate		COPdhw				-							
						ηwh (water heating efficiency)		%		-							
						Water heating energy efficiency class				-							
Indoor Unit				EHBX				04E6V		08E6V		08E9W		08E6V		08E9W	
Casing		Colour										White + Black					
		Material										Resin, sheet metal					
Dimensions		Unit		HeightxWidthxDepth		mm						840x440x390					
Weight		Unit				kg		42.0				42.4		42.0		42.4	
Operation range		Indoor installation		Ambient		Min.~Max.		°CDB				5~35					
		Heating		Water side		Min.~Max.		°C				5~65					
Sound power level		Nom.				dBA						42 (1)					
Sound pressure level		Nom.				dBA						28 (2)					
Outdoor Unit				ERGA				04EV		06EVH		08EVH7					
Dimensions		Unit		HeightxWidthxDepth		mm						740x884x388					
Weight		Unit				kg						58.5					
Compressor		Quantity										1					
		Type										Hermetically sealed swing compressor					
Operation range		Heating		Min.~Max.		°CDB						-25~25					
		Cooling		Min.~Max.		°CDB						10~43					
		Domestic hot water		Min.~Max.		°CDB						-25~35					
Refrigerant		Type										R-32					
		GWP										675.0					
		Charge				kg						1.5					
		Charge				tCO2Eq						1.01					
		Control										Expansion valve					
Sound power level		Heating		Nom.		dBA		58 (4)		60 (4)		62 (4)					
		Cooling		Nom.		dBA		61 (4)				62 (4)					
Sound pressure level		Heating		Nom.		dBA		44 (4)		47 (4)		49 (4)					
		Cooling		Nom.		dBA		48 (4)		49 (4)		50 (4)					
Power supply		Name/Phase/Frequency/Voltage				Hz/V						V3/1N~/50/230					
Current		Recommended fuses				A		20				25					

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | (3) For more details, see operation range drawing | (4) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | PED unit category: Art383: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply for control box is for booster heater only. The switchbox of the controller box is supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Select diameter and type according to national and local regulations

Combination table and options

			Floor standing				
			Heating only		Reversible		Biz
			EHVH04S18E6V	EHVH08S18E6V	EHVX04S18E3V	EHVX08S18E6V	EHVZ04S18E6V
			EHVH04S23E6V	EHVH08S23E6V	EHVX04S23E3V	EHVX08S23E6V	
				EHVH08S18E9W	EHVX04S18E6V	EHVX08S18E9W	
				EHVH08S23E9W	EHVX04S23E6V	EHVX08S23E9W	
Type	Description	Material name					
Outdoor unit	4kW	ERGA04EAV3	•		•		•
	6kW	ERGA06EAV3H		•		•	
	8kW	ERGA08EAV3H7		•		•	
Controls	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•	•
	Wireless room by room control	Daikin Home Controls (page 242)	•	•	•	•	•
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•	•
	WLAN module	BRP069A71	• (1)	• (1)	• (1)	• (1)	• (1)
	WLAN cartridge	BRP069A78	• (1)	• (1)	• (1)	• (1)	• (1)
	Universal centralised controller for cascade	EKCC9-W DCOM-LT/IO,-LT/MB	•	•	•	•	•
	Remote indoor sensor	KRCS01-1	• (2)	• (2)	• (2)	• (2)	• (2)
	Remote outdoor sensor	EKRSCA1	• (2)	• (2)	• (2)	• (2)	• (2)
Sensors	External sensor for EKRTTB room thermostat	EKRSETS	• (3)	• (3)	• (3)	• (3)	• (3)
	Watts kit	BZKA7V3	•	•	•	•	
Bizone kits	Generic bizone kit	EKMIKPOAF					
	Generic bizone kit	EKMIKPHAF					
Domestic hot water	DHW tank	EKHWS(P)(U)-D(3)V3					
	Thermal stores	EKHWP-(P)B					
	Third party tank kit	EKHY3PART					
	Third party tank kit	EKHY3PART2					
Heat pump convector	Floor standing	FWXV15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
	Wall mounted	FWXT15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
	Concealed	FWXM15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
Other options	Digital I/O PCB	EKRPIHBAA	• (6)	• (6)	• (6)	• (6)	• (6)
	Demand PCB	EKRPIAHTA	•	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•	•
	Relay smart grid	EKRESLG	•	•	•	•	•
	Corner pipe bend kit	EKHVTC	•	•	•	•	
Dedicated ECH ₂ O options	Inline back-up heater (3kW, for *3V (1N~, 230 V, 3 kW))	EKECBUAF3V					
	Inline back-up heater (6kW, for *6V (1N~, 230 V, 6 kW))	EKECBUAF6V					
	Inline back-up heater (9kW, for *9WN (3N~, 400 V, 9 kW))	EKECBUAF9W					
	Inline back-up heater connection kit	EKECBUCO3AF					
	Dirt separator	156021					
	Bivalent connector kit	EKECBIVCO2AF					
	Drain-back connector kit	EKECDBC02AF					
	Circulation stop valves (2 pcs)	165070					
	Fill and drain connection KFE BA	165215					
Home Hub	Daikin Home Hub	EKRHH	•	•	•	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•	•	•	•
	Cable P1 to USB	EKP1USB	•	•	•	•	•

(1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2

(In case of bad reception of signal, the WLAN cartridge can be removed and replaced by the WLAN or LAN module).

(2) Only 1 sensor can be connected: indoor OR outdoor sensor.

(3) Can only be used in combination with the wireless room thermostat EKRTTB(1).

(4) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

(5) Multi combination (quantity, depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).

(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(7) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO*AF is needed to connect the backup heater to the main unit.

one	ECH ₂ O				Wall mounted			
	Standard		Bivalent		Heating only		Reversible	
EHVZ08S18E6V	EHS04P30E	EHS08P30E	EHSB04P30E	EHSB08P30E	EBH04E6V	EBH08E6V	EBX04E6V	EBX08E6V
EHVZ08S23E6V		EHS08P50E		EHSB08P50E		EBH08E9W		EBX08E9W
EHVZ08S18E9W		EHS04P30E		EHSXB04P30E				
EHVZ08S23E9W		EHS04P50E		EHSXB04P50E				
		EHSX08P30E		EHSXB08P30E				
		EHSX08P50E		EHSXB08P50E				
	•		•		•		•	
•		•		•		•		•
•		•		•		•		•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)
•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)	•(1)
•	•	•	•	•	•	•	•	•
•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)
•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)	•(2)
•(3)	•(3)	•(3)	•(3)	•(3)	•(3)	•(3)	•(3)	•(3)
					•	•	•	•
	•	•	•	•				
	•	•	•	•				
					•	•	•	•
					•	•	•	•
					•	•	•	•
					•(4)	•(4)	•(4)	•(4)
•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)
•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)
•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)	•(5)
•(6)					•(6)	•(6)	•(6)	•(6)
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
	•(7)	•(7)	•(7)	•(7)				
	•(7)	•(7)	•(7)	•(7)				
	•(7)	•(7)	•(7)	•(7)				
	•(7)	•(7)	•(7)	•(7)				
	•	•	•	•				
	•	•						
	•	•	•	•				
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•

Daikin Altherma 3 M

The monobloc standard



Functional design

Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant, also now available from 4 to 16 kW.

A redesigned casing

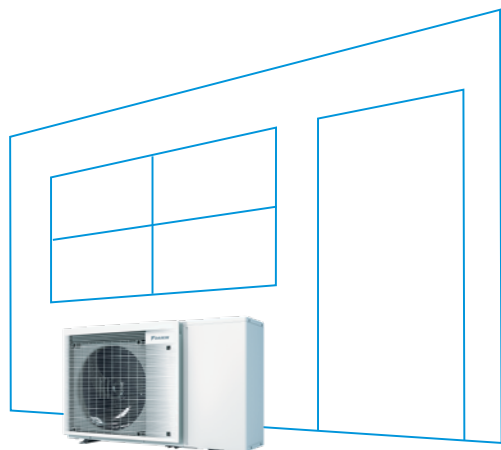
The front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!

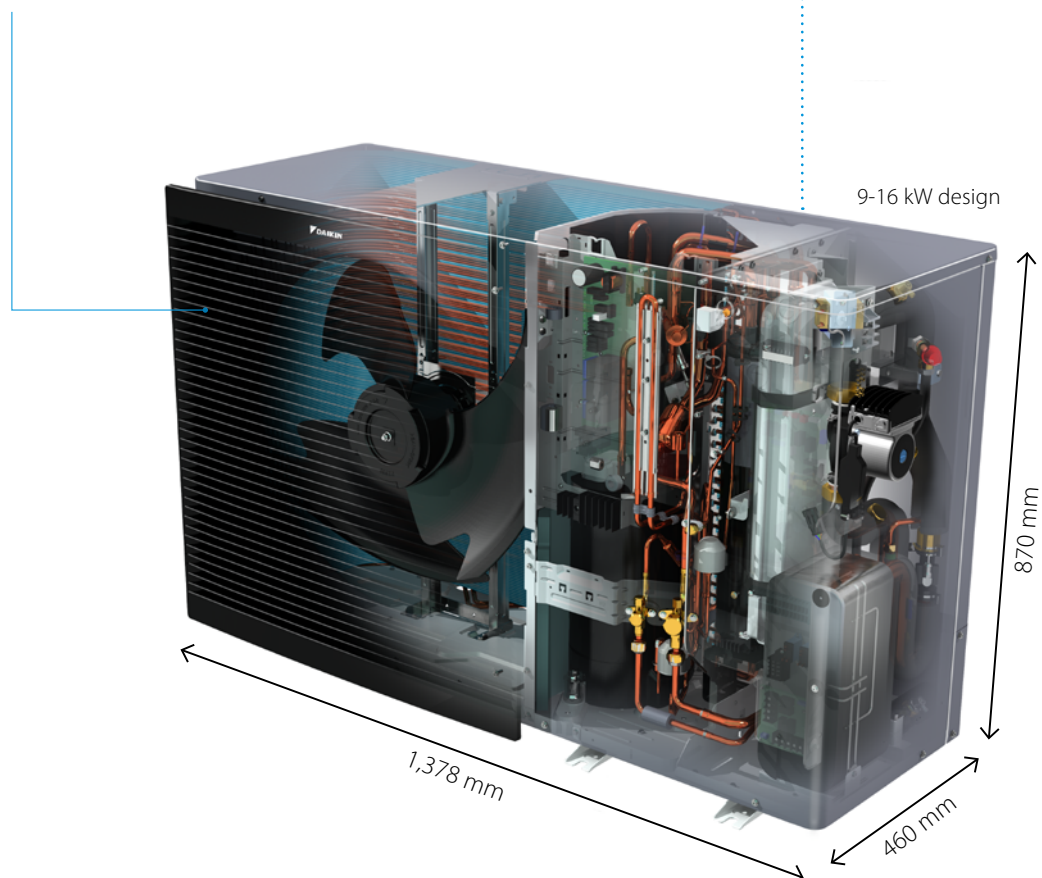
☒ Fits under a window





A renewed fan shape

The shape of the fan has been reviewed to reduce the contact surface with air and improve the air circulation.



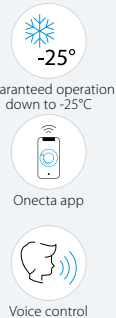
Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating and domestic hot water**.
Ideal for limited installation space.

- WLAN cartridge connection standard included
- Possible to combine with domestic hot water tanks
- Heating only or reversible models available
- Monobloc all-in-one concept including all hydraulic parts
- Optional plug & play integrated 3 kW electric back-up heater
- Available in one phase



65 °C

**R-32**

011-1W0527
011-1W0528
011-1W0529



EDLA04-08EV3 EDLA04-08E3V3

Single Unit				EDLA04E(3)V3		EDLA06E(3)V3		EDLA08E(3)V3			
Heating capacity	Nom.			kW		4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.90 (2)	
Power input	Heating	Nom.		kW		0.84 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP						5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Cooling capacity	Nom.			kW		-					
Power input	Heating	Nom.		kW		-					
EER						-					
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		127				130		
			SCOP		3.26				3.32		
		Seasonal space heating eff. class		A+++							
		Prated at -10°C		kW		6		7		8	
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		176				179		
			SCOP		4.48		4.47		4.56		
		Seasonal space heating eff. class		A+++							
		Prated at -10°C		kW		6		7		8	
Casing	Colour			Ivory white							
	Material			Zinc coated low carbon steel							
Dimensions	Unit	HeightxWidthxDepth		mm		770x1,250x362					
Weight	Unit			kg		EV3: 88, E3V3: 91					
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Ambient	Min.~Max.	°CWB		-25~-25					
		Water side	Min.~Max.	°C		EV3: 9~65/E3V3: 15~65					
	Cooling	Ambient	Min.~Max.	°CDB		-					
		Water side	Min.~Max.	°C		-					
	Domestic hot water	Ambient	Min.~Max.	°CDB		-27~35					
		Water side	Min.~Max.	°C		25~55					
Refrigerant	Type			R-32							
	GWP			675							
	Charge			kg		1.85					
	Charge			TCO2Eq		0.91					
	Control			Expansion valve							
	Sound power level	Heating	Nom.		dBA		58		60		62
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/230					
Current	Recommended fuses			A		20				25	

(1) Cooling Ta 35°C - LWE 18°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (2) Cooling Ta 35°C - LWE 7°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT=5°C).
This product contains fluorinated greenhouse gases.

*Domestic hot water in combinations with stainless steel tank EKHWS(P)(U)-D and ECH₂O thermal store EKHWP-(P)B.

Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating, domestic hot water and optionally cooling**. Ideal for limited installation space.

- WLAN cartridge connection standard included
- Possible to combine with domestic hot water tanks
- Heating only or reversible models available
- Monobloc all-in-one concept including all hydraulic parts
- Optional plug & play integrated 3 kW electric back-up heater
- Available in one phase



011-1W0527
011-1W0528
011-1W0529



EBLA04-08EV3 EBLA04-08E3V3

Single Unit					EBLA04E(3)V3	EBLA06E(3)V3	EBLA08E(3)V3
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)	7.50 (1)/7.80 (2)
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)	1.24 (1)/1.69 (2)	1.63 (1)/2.23 (2)
COP					5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)	4.60 (1)/3.50 (2)
Cooling capacity	Nom.			kW	4.86 (1)/4.52 (2)	5.83 (1)/5.09 (2)	6.18 (1)/5.44 (2)
Power input	Heating	Nom.		kW	0.82 (1)/1.36 (2)	1.08 (1)/1.55 (2)	1.19 (1)/1.73 (2)
EER					5.91 (1)/3.32 (2)	5.40 (1)/3.28 (2)	5.19 (1)/3.14 (2)
Space heating	average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		129	128	131
			SCOP		3.29	3.28	3.35
		General	Seasonal space heating eff. class			A+++	
			Prated at -10°C	kW	6	7	8
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		179	178	181
			SCOP		4.54	5.52	4.61
		General	Seasonal space heating eff. class			A+++	
			Prated at -10°C	kW	6	7	8
Casing	Colour				Ivory white		
	Material				Zinc coated low carbon steel		
Dimensions	Unit	HeightxWidthxDepth		mm	770x1,250x362		
Weight	Unit			kg	EV3: 88, E3V3: 91		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating	Ambient	Min.~Max.	°CWB	-25~35		
		Water side	Min.~Max.	°C	EV3: 9~65/E3V3: 15~65		
	Cooling	Ambient	Min.~Max.	°CDB	10~43		
		Water side	Min.~Max.	°C	5~22		
	Domestic hot water	Ambient	Min.~Max.	°CDB	-27~35		
		Water side	Min.~Max.	°C	25~55		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	1.85		
	Charge			TCO2Eq	0.91		
	Control				Expansion valve		
Sound power level	Heating	Nom.		dBA	60		62
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230		
Current	Recommended fuses			A	20		25

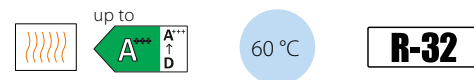
(1) Cooling Ta 35°C - LWE 18°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (2) Cooling Ta 35°C - LWE 7°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT=5°C). This product contains fluorinated greenhouse gases.

*Domestic hot water in combinations with stainless steel tank EKHWS(P)(U)-D and ECH₂O thermal store EKHWP-(P)B.

Daikin Altherma 3 M

Heating only air to water monobloc system,
ideal when indoor space is limited

- W-LAN cartridge connection (optional)
- Possible to combine with domestic hot water tanks
- Heating only air-to-water heat pump
- Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- Available in one phase and three phase



011-1W0423 → 426



EDLA09-14DV3



EDLA09-14D3V3



EDLA09-14DW1



EDLA09-14D3W1



EDLA-DV37



EDLA-DW17



EDLA-D3V37



EDLA-D3W17

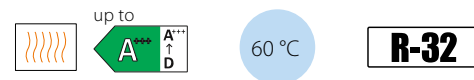
Single Unit				EDLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3/D(3)W1	
Heating capacity	Nom.			kW	9.37 (1)/9.00 (2)	10.6 (1)/9.82 (2)	12.0 (1)/12.5 (2)	16.0 (1)/16.0 (2)	
Power input	Heating	Nom.		kW	1.91 (1)/2.43 (2)	2.18 (1)/2.68 (2)	2.46 (1)/3.42 (2)	3.53 (1)/4.56 (2)	
COP					4.91 (1)/3.71 (2)	4.83 (1)/3.66 (2)	4.87 (1)/3.64 (2)	4.53 (1)/3.51 (2)	
 Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		133	130	132	130	
			SCOP		3.39	3.32	3.37	3.33	
			Seasonal space heating eff. class		 A				
			Prated at -10°C	kW	9	10	11	12	
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		186	182			
			SCOP		4.72	4.64	4.62		
			Seasonal space heating eff. class		 A				
			Prated at -10°C	kW	9	10	11	12	
Casing	Colour			Silver					
	Material			Polyester painted galvanised steel plate					
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,380x460				
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Heating	Ambient	Min.~Max.	°CWB	DV3/DW1: -25~25, D3V3/D3W1: -25~35				
		Water side	Min.~Max.	°C	DV3/DW1: 9~60, D3V3/D3W1: 15~60				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
	Water side	Min.~Max.	°C	25~55					
Refrigerant	Type				R-32				
	GWP				675				
	Charge			kg	3.80				
	Charge			TCO2Eq	2.57				
	Control				Expansion valve				
Sound power level (3)	Heating	Nom.		dBA	62				
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400				
Current	Recommended fuses			A	32/16				

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) According to EN14825
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 M

Reversible air to water monobloc system,
ideal when indoor space is limited

- W-LAN cartridge connection (optional)
- Possible to combine with domestic hot water tanks
- Heating and cooling air-to-water heat pump
- Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- Available in one phase and three phase



011-1W0423 → 426



EBLA09-14DV3



EBLA09-14D3V3



EBLA09-14DW1



EBLA09-14D3W1



EBLA-DV37



EBLA-DW17



EBLA-D3V37



EBLA-D3W17

Single Unit				EBLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3(7)/D(3)W1(7)
Heating capacity	Nom.			kW	9.37 (1)/9.00 (2)	10.6 (1)/9.82 (2)	12.0 (1)/12.5 (2)	16.0 (1)/16.0 (2)
Power input	Heating	Nom.		kW	1.91 (1)/2.43 (2)	2.18 (1)/2.68 (2)	2.46 (1)/3.42 (2)	3.53 (1)/4.56 (2)
COP					4.91 (1)/3.71 (2)	4.83 (1)/3.66 (2)	4.87 (1)/3.64 (2)	4.53 (1)/3.51 (2)
Cooling capacity	Nom.			kW	9.35 (3)/9.10 (4)	11.6 (3)/11.5 (4)	12.8 (3)/12.7 (4)	14.0 (3)/15.3 (4)
Power input	Cooling	Nom.		kW	2.79 (3)/1.71 (4)	3.56 (3)/2.17 (4)	4.06 (3)/2.51 (4)	4.58 (3)/3.24 (4)
EER					3.35 (3)/5.34 (4)	3.26 (3)/5.31 (4)	3.16 (3)/5.04 (4)	3.06 (3)/4.74 (4)
SEER					5.62 (5)	5.79 (5)	5.71 (5)	5.59 (5)
 Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)	135	132	134	132	
			SCOP	3.44	3.37	3.42	3.37	
			Seasonal space heating eff. class					
			Prated at -10°C	kW	9	10	11	12
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)	190	186	185		
			SCOP	4.82	4.73	4.70	4.69	
			Seasonal space heating eff. class					
			Prated at -10°C	kW	9	10	11	12
Casing	Colour			Silver				
	Material			Polyester painted galvanised steel plate				
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,380x460			
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149			
Compressor	Quantity				1			
	Type				Hermetically sealed swing compressor			
Operation range	Heating	Ambient	Min.~Max.	°CWB	DV3(7)/DW1(7): -25~25, D3V3(7)/D3W1(7): -25~35			
		Water side	Min.~Max.	°C	DV3(7)/DW1(7): 9~60, D3V3(7)/D3W1(7): 15~60			
	Cooling	Ambient	Min.~Max.	°CDB	10~43			
		Water side	Min.~Max.	°C	5~22			
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			
	Water side	Min.~Max.	°C	25~55				
Refrigerant	Type				R-32			
	GWP				675			
	Charge	kg			3.80			
	Charge	TCO2Eq			2.57			
	Control				Expansion valve			
Sound power level (5)	Heating	Nom.		dBA	62			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400			
Current	Recommended fuses			A	32/16			

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (4) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (5) According to EN14825. This product contains fluorinated greenhouse gases.

Combination table and options

			R-32 small monobloc (4-6-8 kW)			
			Without back-up heater		With back-up heater	
			Rev	H/O	Rev	H/O
			EBLA04EV3	EDLA04EV3	EBLA04E3V3	EDLA04E3V3
			EBLA06EV3	EDLA06EV3	EBLA06E3V3	EDLA06E3V3
			EBLA08EV3	EDLA08EV3	EBLA08E3V3	EDLA08E3V3
Type	Description	Material name				
Controls	Madoka wired room thermostat	BRC1HHDAA/S/W(7)	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•
	Wireless room by room control	Daikin Home Controls (page 242)	•	•	•	•
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•
	WLAN cartridge	BRP069A78	• standard	• standard	• standard	• standard
	Universal centralised controller for cascade	EKCC9-W DCOM-LT/IO,-LT/MB	•	•	•	•
Multi-zoning controls	Room thermostat	EKRTRB	•	•	•	•
	Digital wired room thermostat	EKWCTRD1I1V3	•	•	•	•
	Analog wired room thermostat	EKWCTRAN1V3	•	•	•	•
	Actuator	EKWCVATR1V3	•	•	•	•
	Multi-zoning base station (10 channels)	EKWUFHTA1V3	•	•	•	•
Sensors	External sensor for EKRTRB room thermostat	EKRTETS				
	Remote indoor temperature sensor	KRCS01-1	• (1)	• (1)	• (1)	• (1)
	Remote outdoor temperature sensor	EKRSCA1	• (1)	• (1)	• (1)	• (1)
	Temperature sensor for EKHWS(P)-D	EKTESE1	•	•	•	•
	Temperature sensor for EKHWP-(P)B	EKTESE2	•	•	•	•
Domestic hot water	DHW tank	EKHWS(P)(U)-D(3)V3	•	•	•	•
	Thermal stores	EKHWP500(P)B	•	•	•	•
	Third party tank kit	EKHY3PART	• (2)	• (2)	• (2)	• (2)
	Third party tank kit	EKHY3PART2	• (3)	• (3)	• (3)	• (3)
Heat pump convector	Floor standing	FWXV15/20/25*	• (4)	• (4)	• (4)	• (4)
	Wall mounted	FWXT15/20/25*	• (4)	• (4)	• (4)	• (4)
	Concealed	FWXM15/20/25*	• (4)	• (4)	• (4)	• (4)
Other options	Back-up heater kit	EKLBHHC6W	• (5)	•		
	By-pass kit	EKMBHBP1	• (5)			
	Generic Bizone kit (PCB only)	EKMIKPOA	•	•	•	•
	Generic Bizone kit	EKMIKPHA	•	•	•	•
	Digital I/O PCB	EKRP1HBAA	• (6)	• (6)	• (6)	• (6)
	Demand PCB	EKRP1AHTA	•	•	•	•
	Anti-freeze valve with diam. 1	AFVALVE1	•	•	•	•
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	•	•	•	•
	Balancing valve	KBLNVALVE				
	Decoupler	KDECOUP				
	PC USB cable	EKPCCAB4	•	•	•	•
	Smart grid relay kit (high voltage)	EKRELSG	•	•	•	•
	Flow switch	EKFLSW1				
	Flow switch	EKEFLSW2	• (7)	• (7)	• (7)	• (7)
Home Hub	Daikin Home Hub	EKRHH	•	•	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•	•	•
	Cable P1 to USB	EKP1USB	•	•	•	•

(1) Only 1 sensor can be connected: indoor OR outdoor sensor.

(2) EKHY3PART can be used if you have a tank in which you can insert a thermistor.

(3) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

(4) Multi combination (quantity, depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).

(5) Check 'EKMBHBP1 necessity drawing' to decide to install it in combination with reversible models, in order to avoid sweat on the back-up heater.

(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(7) Mandatory if glycol is used.

R-32 large monobloc (9-11-14-16 kW)			
Without back-up heater		With back-up heater	
Rev	H/O	Rev	H/O
EBLA09DV3/W1	EDLA09DV3/W1	EBLA09D3V3/W1	EDLA09D3V3/W1
EBLA11DV3/W1	EDLA11DV3/W1	EBLA11D3V3/W1	EDLA11D3V3/W1
EBLA14DV3/W1	EDLA14DV3/W1	EBLA14D3V3/W1	EDLA14D3V3/W1
EBLA16DV37/W17	EDLA16DV37/W17	EBLA16D3V37/W17	EDLA16D3V37/W17
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
• optional	• optional	• optional	• optional
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
• (1)	• (1)	• (1)	• (1)
• (1)	• (1)	• (1)	• (1)
•	•	•	•
•	•	•	•
• (2)	• (2)	• (2)	• (2)
• (3)	• (3)	• (3)	• (3)
• (4)	• (4)	• (4)	• (4)
• (4)	• (4)	• (4)	• (4)
• (4)	• (4)	• (4)	• (4)
• (5)	•		
• (5)			
•	•	•	•
•	•	•	•
• (6)	• (6)	• (6)	• (6)
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
• (7)	• (7)	• (7)	• (7)
•	•	•	•
•	•	•	•
•	•	•	•

Domestic hot water heat pumps

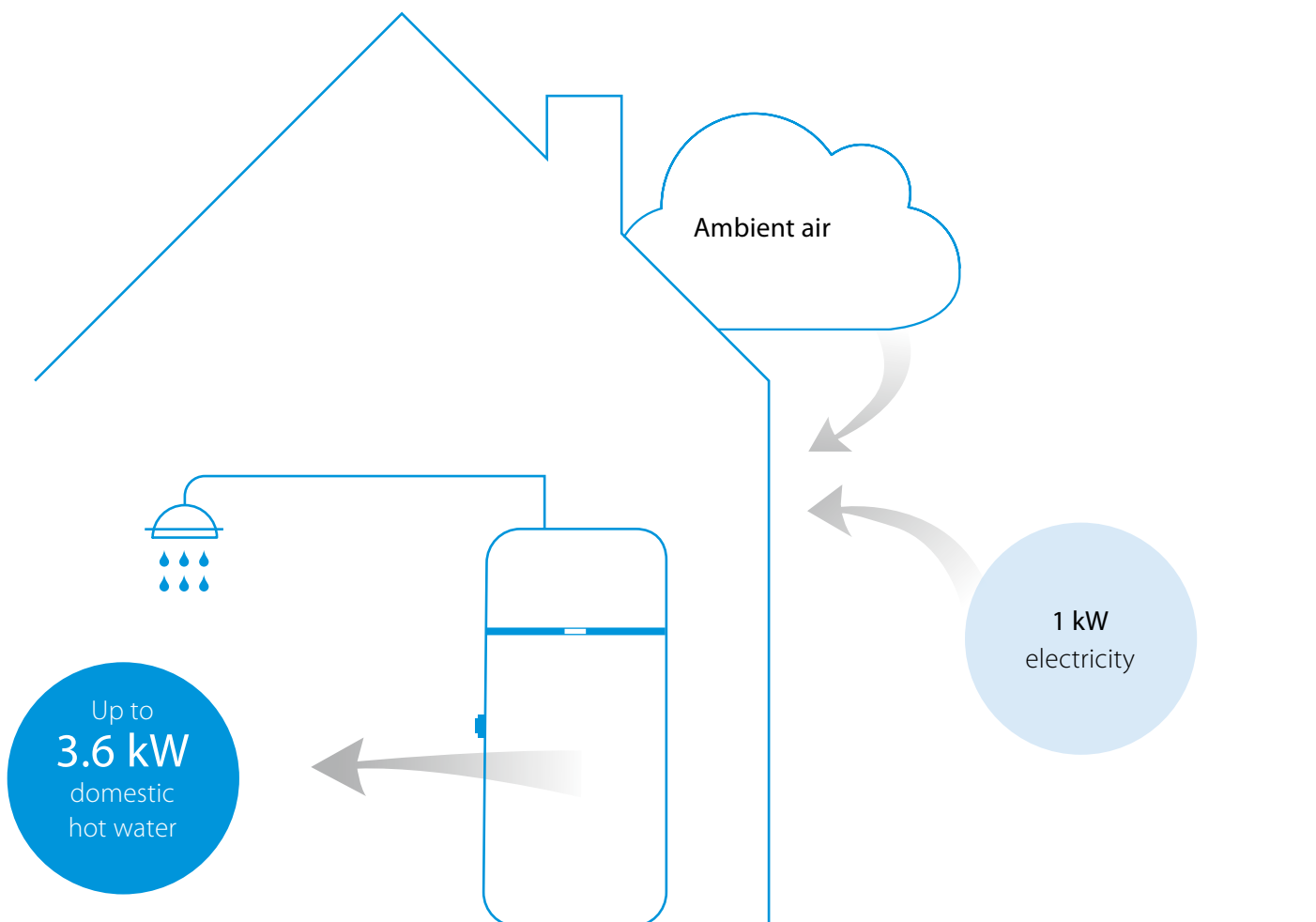


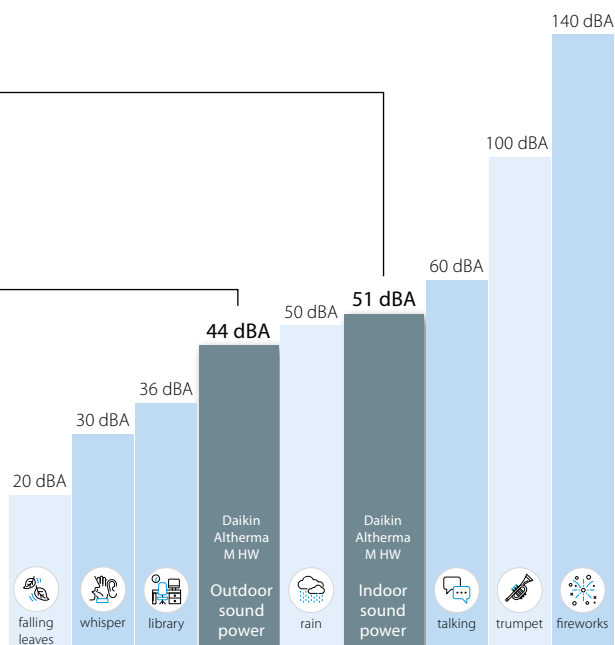
Why choose Daikin Altherma domestic hot water heat pump?

How does it work?

The system is made of a singly indoor unit that extracts energy from the air to provide domestic hot water. The unit collects up to 60% of its energy in the air, while the rest is provided by electricity.

This heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, heating the water up to your needs and delivering it into your house.





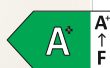
Remarkably quiet

With a sound power of 51dB(A) indoor, and 44dB(A) outdoor, it is one of the most silent domestic hot water heat pump.

Product range



EKHHE200CV37
EKHHE200PCV37
EKHHE260CV37
EKHHE260PCV37
EKHLE200CV3
EKHLE260CV3



Features

Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in an enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- Maximum temperature of 62 °C from renewable energy with heat pump alone or through a heating element (up to 75 °C)
- Programmable digital interface with TOUCH keys
- Integration through Solar Thermal energy (-PCV37 model)
- Integration with Photovoltaic Solar system



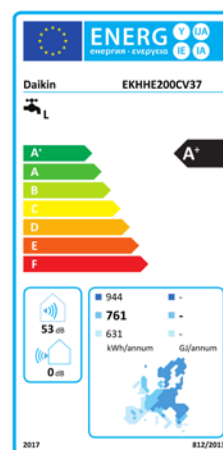
EKHHE200-260PCV37:

Connectable to solar thermal or another auxiliary source, thanks to an extra coil, support the heat up of domestic hot water.



EKHLE200-260CV3:

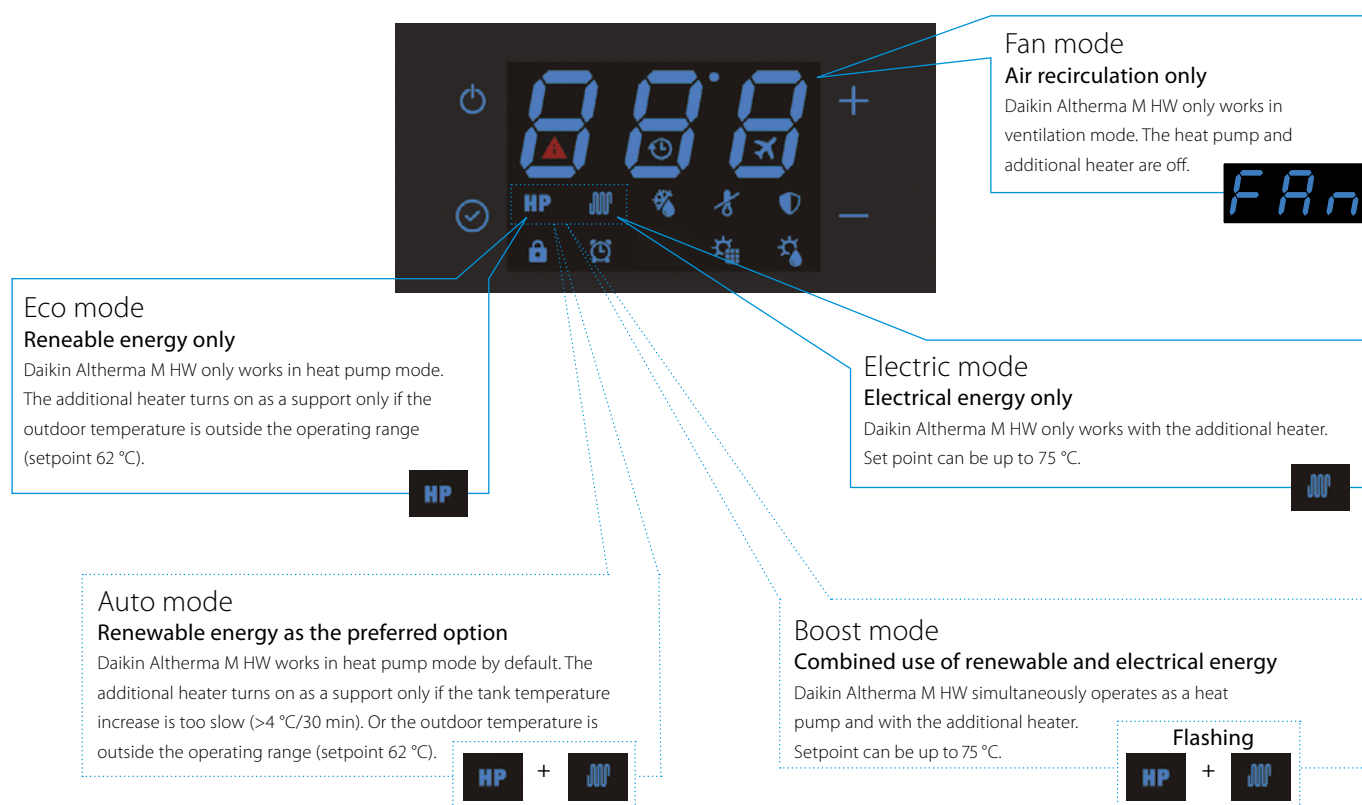
High temperature models are dedicated for warm climate conditions.



Intuitive controls

A very simple and intuitive display

- White backlit LEDs to control temperature and features
- Red backlit LEDs for alarm warnings
- The 4 side TOUCH keys turn Daikin Altherma M HW on/off (⏻); keys to browse through the MENU (SET) and increase (+) or decrease (-) settings



Specifications

Type	Volume (l)	Capacity	Dimensions (mm)	Optimisation from Photovoltaic	Integrated Solar Thermal Control	Legionella Control Sanitisation	Time slot-based operation	OFF PEAK feature	Defrosting on	Holiday Mode
EKHHE-CV37	200		628 x 628 x 1,607	•	-	•	•	•	•	•
	260		628 x 628 x 1,892	•	-	•	•	•	•	•
EKHHE-PCV37	200		628 x 628 x 1,607	•	•	•	•	•	•	•
	260		628 x 628 x 1,892	•	•	•	•	•	•	•
EKHLE-CV3	200		628 x 628 x 1,607	•	-	•	•	•	-	•
	260		628 x 628 x 1,892	•	-	•	•	•	-	•

Installation

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.

Some installation methods

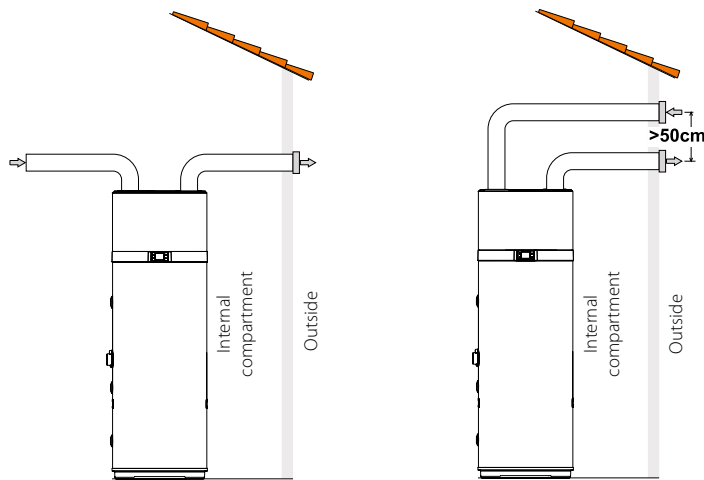


Fig. 1 - Example of air discharge connection

Fig. 2 - Example of air discharge connection

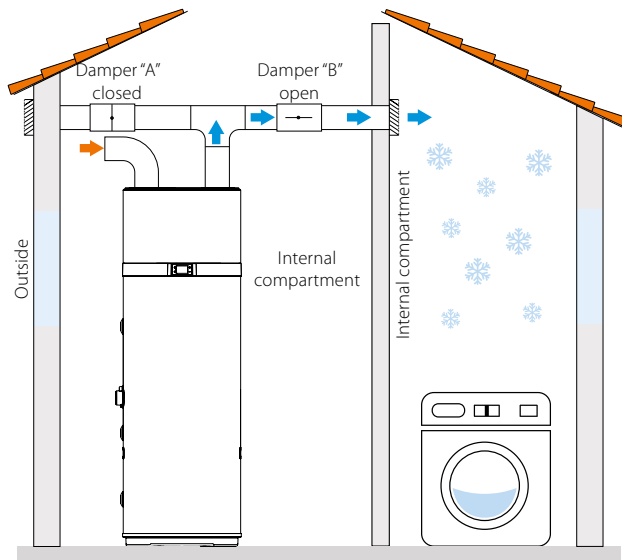


Fig. 3 - Example of installation in summer

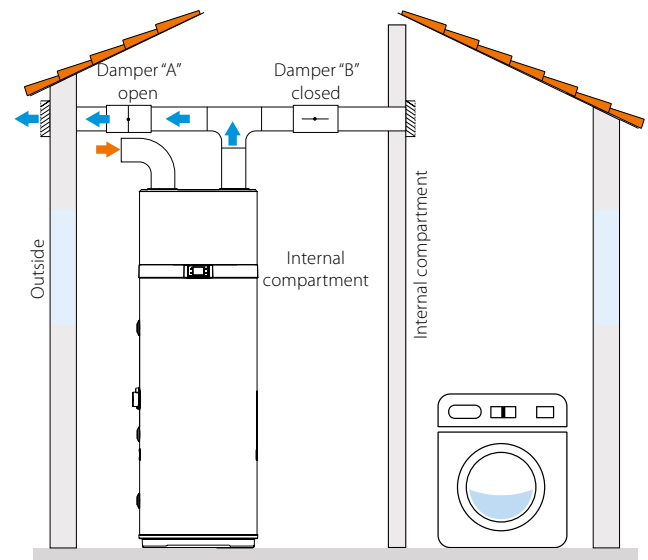


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).



The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed.

An alternative solution is provided in the picture on the right (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

Daikin Altherma M HW

Second Generation

- Available in floor standing (200-260 L)
- Compact modern design
- Anti-legionella cycle
- Scheduled operation
- Integrated solar thermal control (EKHHE-PCV37)
- Suitable for warm climate (EKHLE-CV3)



EKHHE-CV37



EKHHE-PCV37



EKHLE-CV3

Indoor unit				EK	HHE200CV37		HHE260CV37		HHE200PCV37		HHE260PCV37		HLE200CV3		HLE260CV3		
Heat up time		Max.		hh:mm	06:27		09:29		06:27		09:29		07:16		09:44		
COP					3.23		3.37		3.23		3.37		4.32		4.32		
Domestic hot water		Output	Nom	kW	1.34		1.25		1.34		1.25		1.60				
Equivalent hot water		Max		l	247		340		241		335		247		340		
Dimensions		Unit	Height	mm	1,607		1,892		1,607		1,892		1,607		1,892		
			Diameter	mm	Top: 621, Bottom: 628												
Weight		Unit	Empty	kg	85		97		96		106		86		98		
Installation place					Indoor												
IP class					IP24												
Refrigerant	Type				R-134a												
	GWP				1,430												
	Charge			TCO2Eq	1.43												
	Charge			kg	1												
Heat pump	Casing	Colour			White												
	Defrost method				Hot gas								-		-		
	Automatic defrost start			°C	-5								-		-		
	System pressure		Max.	bar	7												
	Operation range		Ambient	Min.	°CDB	-7								4			
				Max.	°CDB	43											
	Power supply		Phase		1												
			Frequency	Hz	50												
			Voltage	V	230												
			Maximum running current	A	8.5								8.2				
Tank	Integrated heating element power	Nom.		kW	1.5												
	Casing	Material			Enamelled steel												
	Installation	Solar thermal connection possible			-	-	Yes	Yes	-	-							
	Standing heat loss			W	63	71	63	71	63	70							
	Power supply	Phase			1												
		Frequency		Hz	50												
		Voltage		V	230												
	Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL						
			Water heating energy efficiency class														
Thermostat temperature setting			°C	55													
Average climate		AEC (Annual electricity consumption)		kWh	761	1,210	761	1,210	883	1,315							
		ηwh (water heating efficiency)		%	135	138	135	138	116	127							
Cold climate		AEC (Annual electricity consumption)		kWh	944	1,496	944	1,496	883	1,315							
Warm climate		AEC (Annual electricity consumption)		kWh	631	1,046	631	1,046	883	1,315							
Sound power level Domestic hot water heating			dB(A)	53	51	53	51	52									

This product contains fluorinated greenhouse gases.

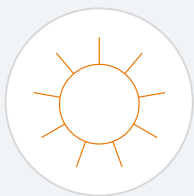




Daikin Altherma 3 GEO

Top performance even in coldest climate

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



Space heating

During winter



Domestic hot water production

Integrated 180 L stainless steel tank



Space cooling

Active cooling with high efficiency



Renovation and new build

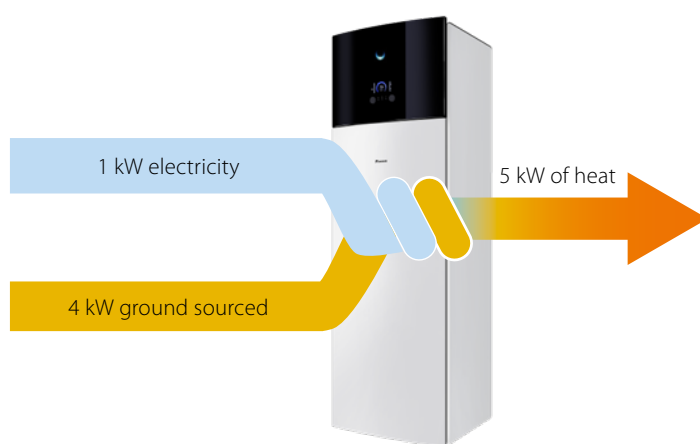
Suitable for renovation: thanks to a high water temperature of 65 °C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 GEO is also combinable with fan coils and underfloor piping.



Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.





Groundbreaking innovation

Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

Removable compressor module, reducing the overall weight by 70 kg



Standard electrical connections pre-cabled

Can easily be installed in confined spaces thanks to a small footprint and integrated handles



All pipe connections on top, paired in and out



666 mm

Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit.

Easy operation

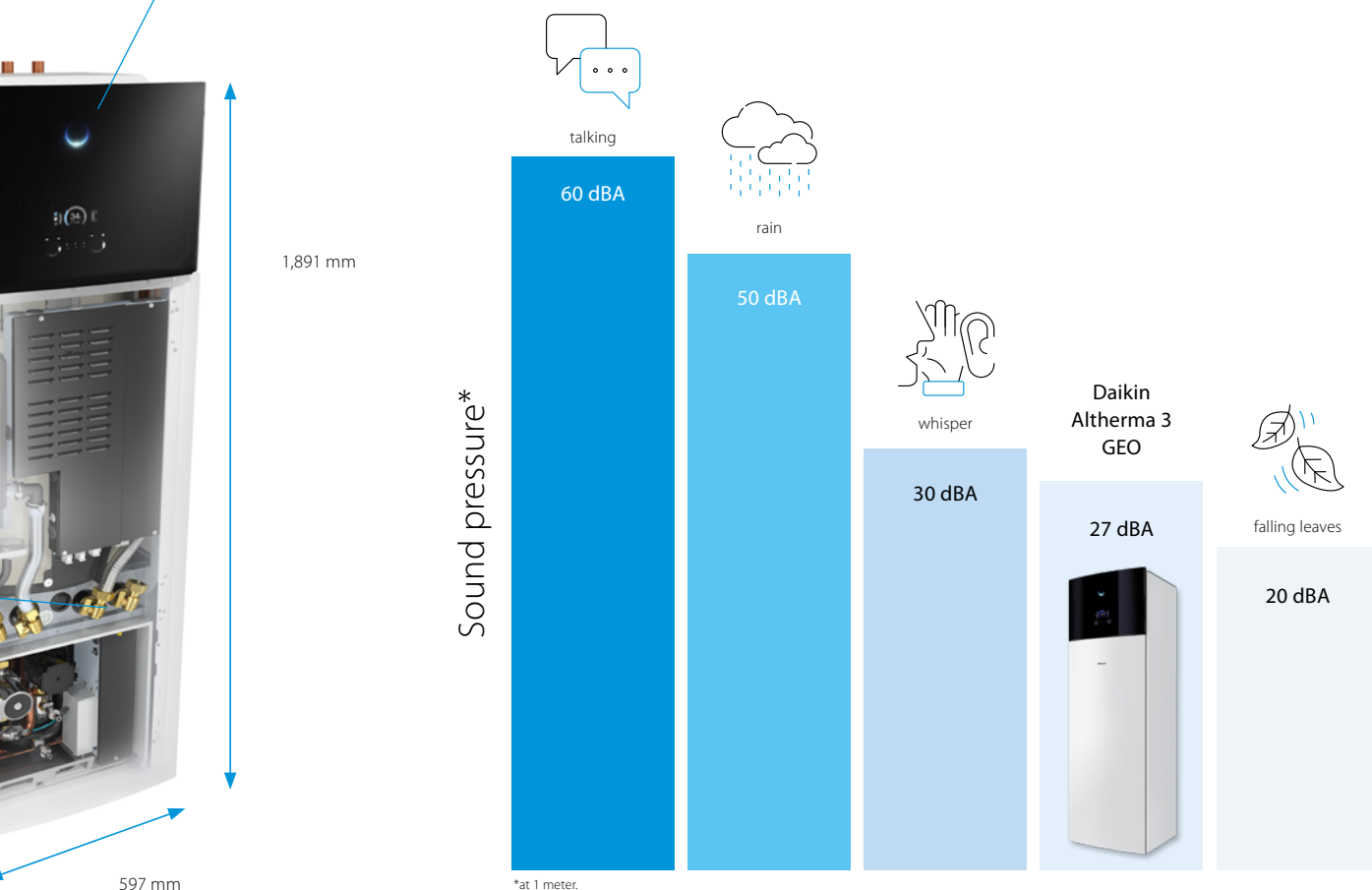
Work super-fast with the user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.



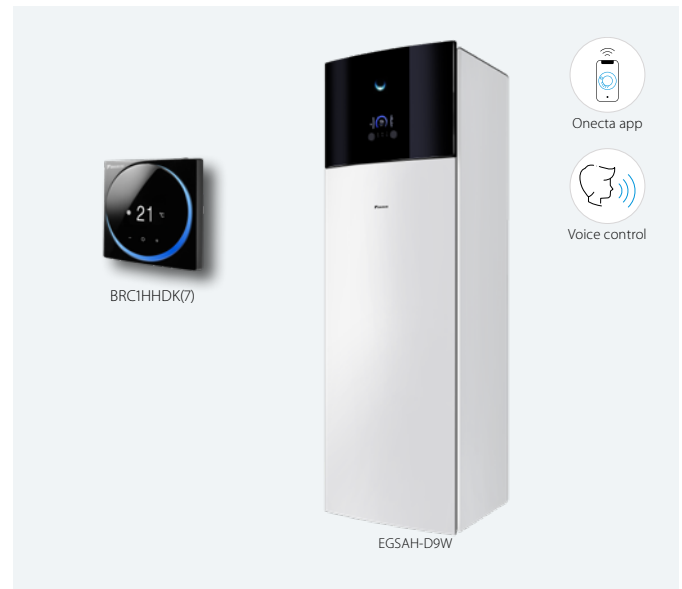
Extremely quiet operation



Daikin Altherma 3 GEO

Ground source heat pump for heating, cooling & hot water

- Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs
- Delivering temperatures up to 65 °C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators
- Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time
- The unit has a similar footprint when compared to other household appliances
- Reversible heat pump, allowing heating and cooling



011-1W0337
011-1W0338



EGSAH-D9W



EGSAX-D9W

Indoor Unit					EGSA	H06D9W	X06D9W	H10D9W	X10D9W
Heating capacity	Min.				kW	0.85			
	Nom.				kW	3.35		5.49	
	Max.				kW	7.98		9.55	
Power input	Nom.				kW	0.74		1.17	
COP						4.51		4.70	
 Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	141	143	152	154	
			Seasonal space heating eff. class						
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	195	199	197	200	
			Seasonal space heating eff. class						
 Domestic hot water heating	General	Declared load profile			L				
	Average climate	ηwh (water heating efficiency)			%	117			
	Water heating energy efficiency class								
 Space cooling	Medium temperature application	General	SEER		-	15	-	15	
			Pdesign	kW	-	8	-	8	
	Low temperature application	General	SEER		-	14	-	14	
			Pdesign	kW	-	8	-	8	
Casing	Colour				White or Silver-grey				
	Material				Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth			mm				
Weight	Unit				1,891x597x666				
Tank					kg				
	Water volume				l				
	Insulation	Heat loss			kWh/24h				
Operation range	Corrosion protection				Pickling				
	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				
	Charge				TCO2Eq				
Sound power level	Nom.				dBA	39		41	
Sound pressure level at 1 meter	Nom.				dBA	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			

This product contains fluorinated greenhouse gases.

Options

	Type	Material name
Controls	Remote user interface	BRC1HHDAAK/S/W(7)
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTRB
	Cascade control	EKCC9-W
	Gateway	DCOM-LT/IO
Adapter	Gateway	DCOM-LT/MB
	Demand PCB	EKRP1AHTA
	Digital I/O PCB	EKRP1HBAA
Sensor	Remote indoor sensor	KRCS01-1
	External sensor	EKRTETS
	Reduce power limitation sensor	EKCSSENS
Others	PC cable	EKPCCAB4
	Ground source filling kit	KGSFILL2
	Separate power supply BUH	EKGSPOWCAB
	Magnetic filter Fernox	K.FERNOXTF1
	Magnetic filter Fernox	K.FERNOXTF1FL

Daikin Altherma H Hybrid

The best of 2 worlds

Heat pump



H₂O



Condensing boiler



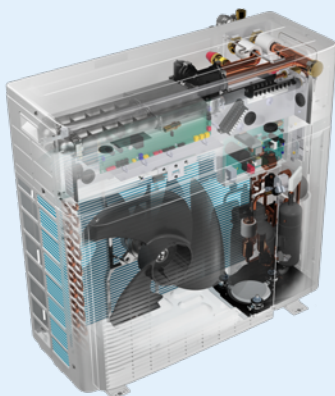
Environmentally friendly

- 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



Easy & Quick installation

All hydraulics components are outside.



No F-gas licence required

Only water connections between outdoor and indoor unit. Therefore no F-gas certification is needed for the installer.

Safety in every conditions

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



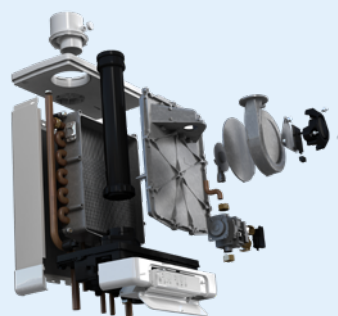
Flexible installation

Compact indoor unit can be installed in a cupboard.



Condensing technology

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



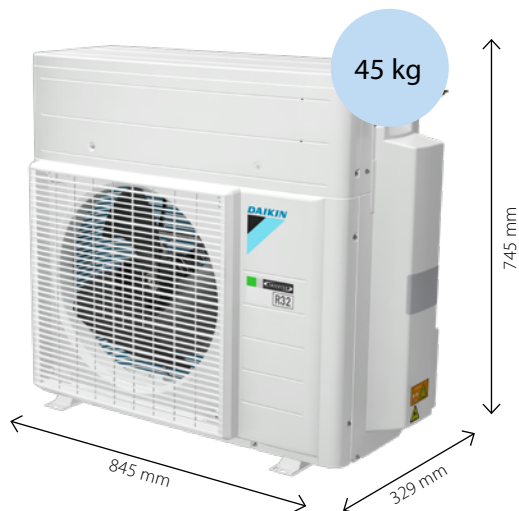
Plug & play

No need of other parts, the pump group is integrated inside.

Installation possibilities

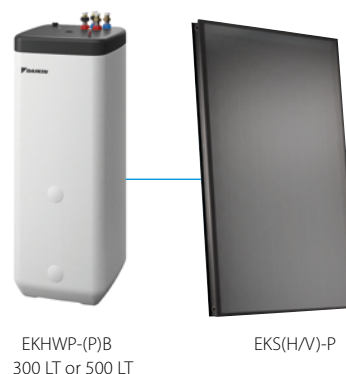
To improve domestic hot water efficiency, you can combine the Daikin Altherma H Hybrid with multiple tank options:

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW

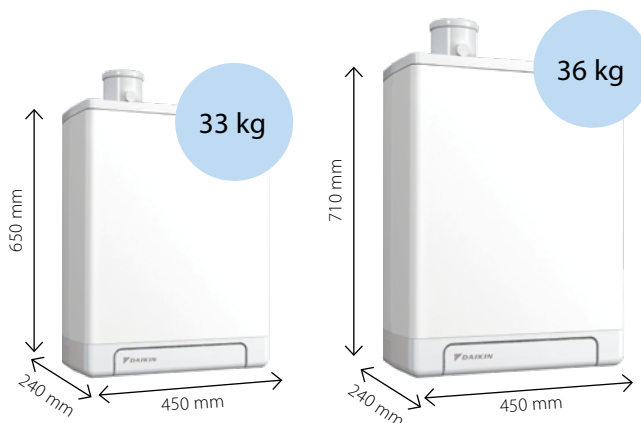


Pressureless tanks with solar support

Connect your unit to a ECH₂O thermal store and take advantage of the energy of the sun.



The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW



Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs.



Controllers

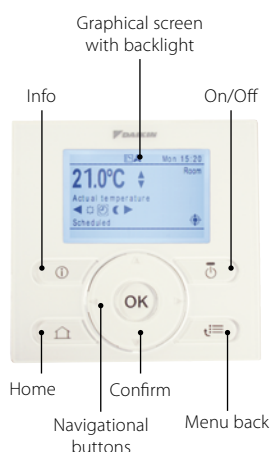
EKRUHML1/2

Control

- Manage space heating and domestic hot water and among others, booster mode
- User-friendly remote control with contemporary design
- Easy to use with direct accessibility to all main functions

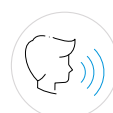
Comfort

- An additional user interface can include a room thermostat in the space to be heated
- Easy commissioning: intuitive interface for advanced menu settings



Onecta App

The Onecta App is a multifaceted programme that allows customers to control and monitor the status of their heating system.



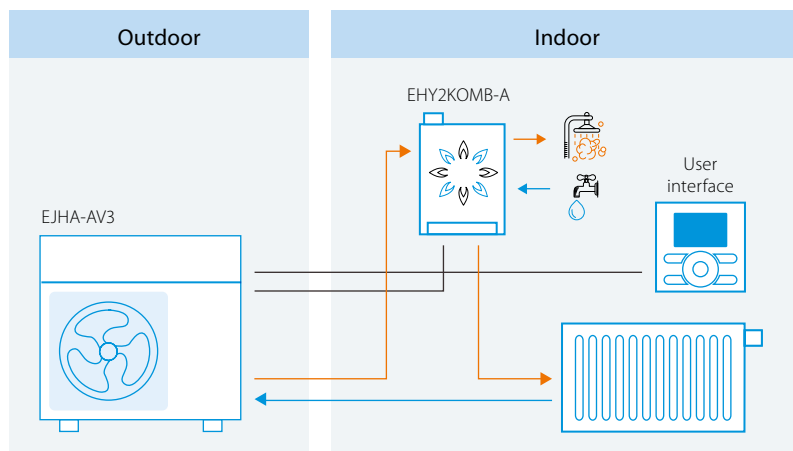
Control your heating system with your voice



Applications

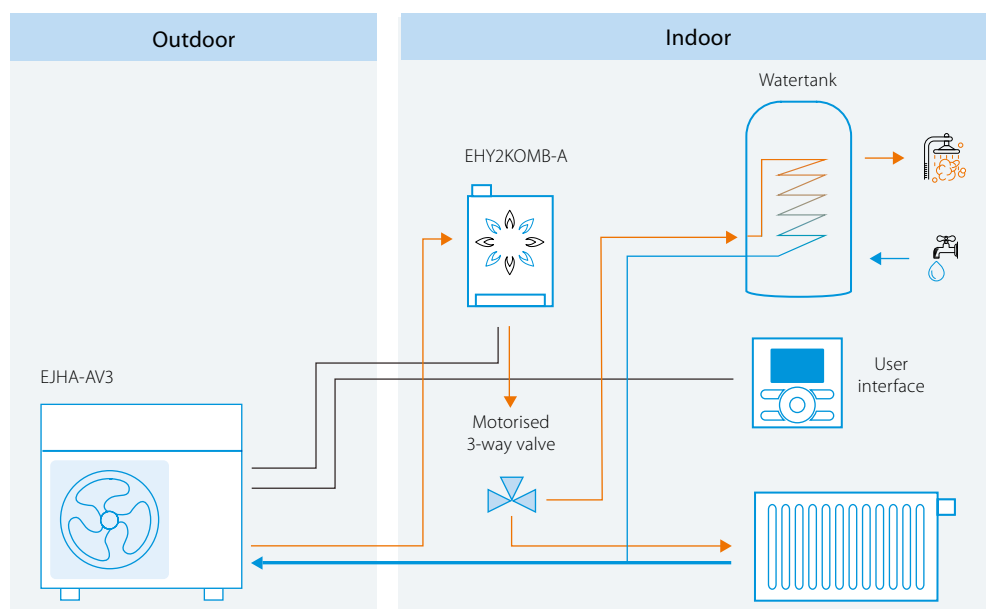
1. Standard Hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



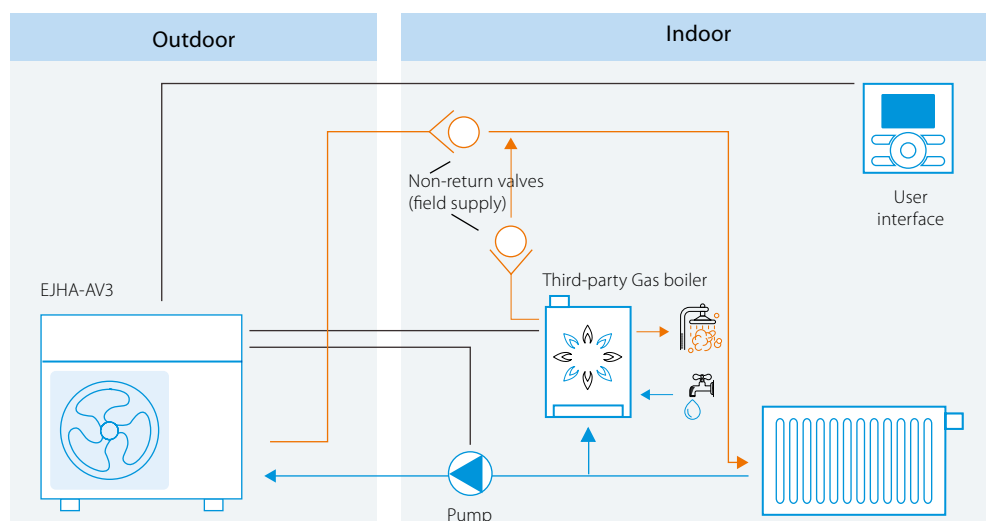
1.1 Standard Hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide higher efficiencies of domestic hot water produced either by the heat pump or by the boiler.



2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.



Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water**

- Heating only models
- Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- Easy and fast installation thanks to the compact dimensions and water connections



011-1W0293



EHY2KOMB-A



EJHA-AV3



up to

**R-32**

Efficiency data					EHY2KOMB28AA + EJHA04AAV3		EHY2KOMB32AA + EJHA04AAV3	
Heating capacity	Nom.			kW		3.83 (1)		
Power input	Heating	Nom.		kW		0.85 (1)		
COP						4.49 (1)		
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26		3.28	
			η _{sp} (Seasonal space heating efficiency)	%		128		
			Seasonal space heating eff. class					
			SCOP		4.14		4.15	
	Average climate water outlet 35 °C	General	η _{sp} (Seasonal space heating efficiency)	%		163		
			Seasonal space heating eff. class					
			Declared load profile			XL		
			η _{wh} (water heating efficiency)	%		87		
Domestic hot water heating	General	Declared load profile						
	Average climate	Water heating energy efficiency class						

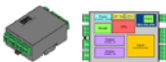
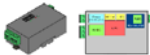
Indoor unit					EHY2KOMB28AA		EHY2KOMB32AA	
Central heating	Heat input Q _n (net calorific value)	Nom	Min/Max	kW	7.10/23.70		7.60/27	
	Output P _n at 80/60 °C	Nom		kW	23.10		26.60	
	Efficiency	Net calorific value 80/60		%	98		99	
	Efficiency	Net calorific value 37/30 (30%)		%		108		
	Operation range	Min/Max		°C		30/90		
Domestic hot water	Output	Min/Nom		kW	7.10/29.10		7.60/32.70	
	Water flow	Rate 40/10 °C		l/min	12.50		15	
	Operation range	Min/Max		°C		40/65		
Gas	Connection	Diameter		mm		15		
	Consumption	Min/Max		m ³ /h (G20)	0.74/3.02		0.79/3.39	
	Consumption (G31)	Min/Max		m ³ /h	0.28/1.15		0.30/1.29	
Supply air	Connection			mm		100		
	Concentric					1		
Flue gas	Connection			mm		60		
Casing	Colour					White - RAL9010		
	Material					Precoated sheet metal		
Dimensions	Unit	HxWxD	Casing	mm	650x450x240		710x450x240	
Weight	Unit	Empty		kg	33		36	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230		
Electrical power consumption	Max.			W		110		
	Standby			W		2		

Outdoor unit					EJHA04AAV3			
Dimensions	Unit	HxWxD		mm		745x845x329		
Weight	Unit			kg		45		
Compressor	Quantity					1		
	Type					Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CWB		-14~25		
	Type					R-32		
	GWP					675		
	Charge			kg		0.56		
	Charge			TCO2Eq		0.38		
Sound power level	Heating		Nom.	dB(A)		58.70		
Sound pressure level	Heating		Nom.	dB(A)		37		
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/220-240		
Current	Recommended fuses			A		20		

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C).

This product contains fluorinated greenhouse gases.

Options - system

Group		Description	Material name	Pair Hybrid	Add-on Hybrid
Controllers		User interface: English – Dutch – Italian – French	EKRUIHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUIHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO(2)	•	•
		Gateway 2: Modbus version	DCOM-LT/MB(2)	•	•
		LAN + PV Solar	BRP069A61	•	•
		LAN only	BRP069A62	•	•
		Wired room thermostat	EKRTWA	•	
		Wireless room thermostat	EKRTRB	•	
		External room sensor	EKRTETS(4)	•	
Sensor		Remote outdoor sensor	EKRSCA1(3)	•	•
Other		Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Bottom plate heater (dedicated type)	EKBPH04JH	•	•
		Ball valves	EKBALLV1	•	•
		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2		•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3rd party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKEPHYHT35H	•	
		Freeze protection valve for field piping	AFVALVEHY2	•	•

(2) Compatible with EKRUIHML user interface.

(3) Only 1 sensor can be connected: indoor OR outdoor sensor.

(4) Can only be used in combination with the wireless room thermostat EKRTRB.

Options - boiler

Accessory		Sales region	Material name	  EHY2KOMB28AA EHY2KOMB32AA	
Boiler options		IT, ES, CZ, GR, PL, PT	EKFJM1A	•	
		IT, ES, CZ, GR, PL, PT	EKFJL1A		•
		FR, BE	EKFJM2A	•	
		FR, BE	EKFJL2A		•
		DE	EKFJM6A	•	
		DE	EKFJL6A		•
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•
		DE	EKVK6A	•	•
		All	EKFL1A	•	•
		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKHY090717	•	•
Eccentric connection Ø 80		All	EKHY090707	•	•
Dongle set (wireless connection from PC to boiler)		All	EKDS1A	•	•
Cover plates		All	EKCP1A	•	•
		All	EKHY093467(1)	•	•
Propane sets (G31)		All	EKHY075787		•
		All	EKPS075867	•	
Conversion kits (G25)		DE, BE, FR	EKPS076217	•	
		DE, BE, FR	EKPS076227		•

(1) Cannot be used in combination with B-packs.

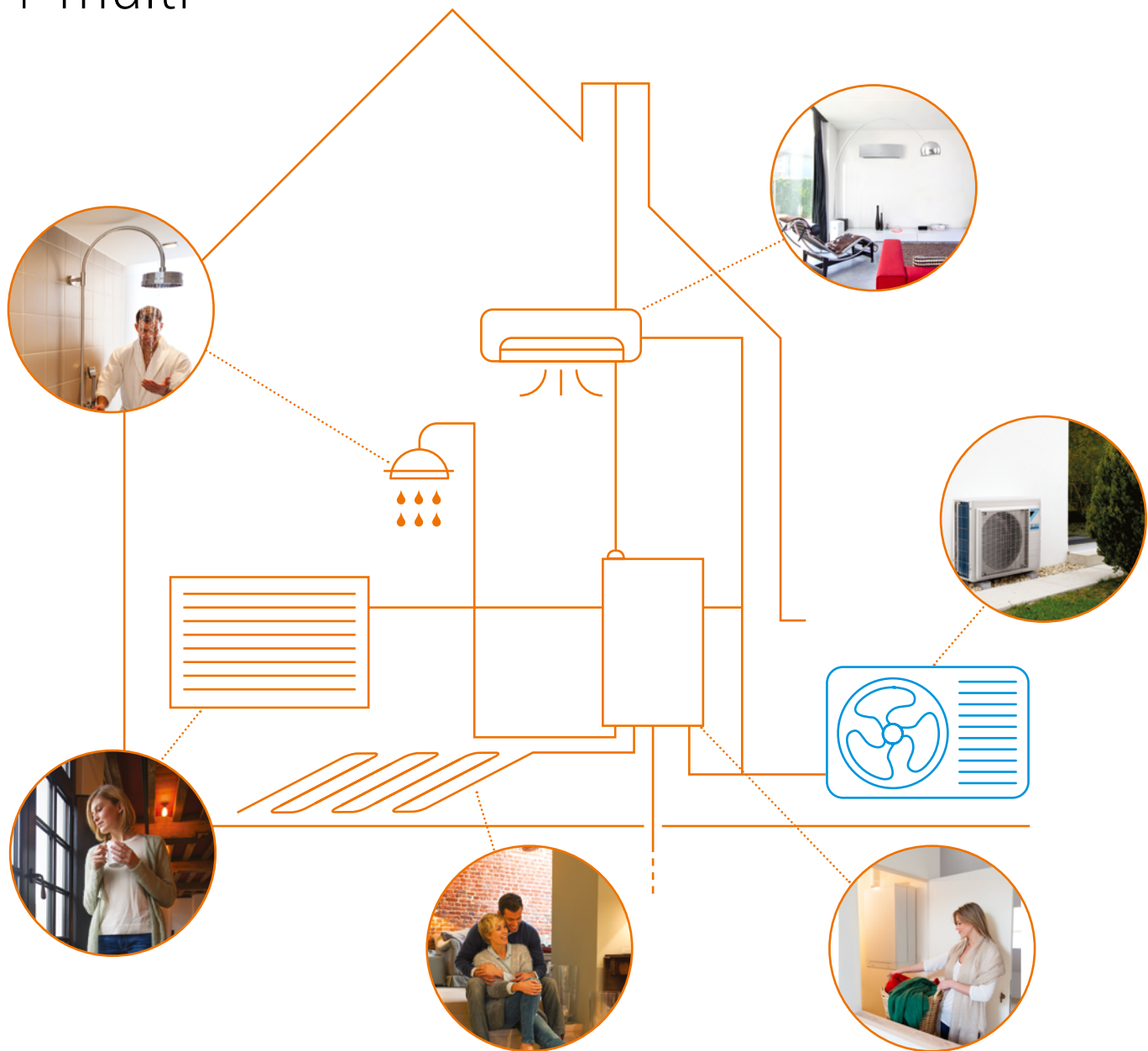
	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 l=10 M	EKFGP6346
	Extension Flex PP 100 l=15 M	EKFGP6349
	Extension Flex PP 100 l=25 M	EKFGP6347
	Extension Flex PP 130 l=30 M	EKFGS0250
	Extension Flex PP 80 l=10 M	EKFGP6340
	Extension Flex PP 80 l=15 M	EKFGP6344
	Extension Flex PP 80 l=25 M	EKFGP6341
	Extension Flex PP 80 l=50 M	EKFGP6342
	Extension PP 60 x 500	EKFGP5461
	Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
	Extension PP/GLV 60/100 x 500 mm	EKFGP4651
	Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
	Extension PP/GLV 80/125 x 500 mm	EKFGP4801
	Extension P BM-Air 80 x 500	EKFGW4001
	Extension P BM-Air 80 x 1,000	EKFGW4002
	Extension P BM-Air 80 x 2,000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227

	Type	Material name
Flue gas connections	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connection set 1	EKFGP6368
	Tee Flex 130 Boiler Connection set 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA



Daikin Altherma R Hybrid

+ multi



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
- ✓ multi outdoor units with 3, 4 or 5 ports
- ✓ Combinable with different Split & Sky Air indoor units:
One port can be used for hot water production

Control with Onecta App



Options

	Type	Material name
Controllers	 LAN adapter	BRP069A62
	LAN adapter + PV solar connection	BRP069A61
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7
	Simplified user interface	EKRUCBSB
Drain	 Room thermostat (wired)	EKRTWA
	 Room thermostat (wireless)	EKRTRB
	Heat meter (EHYHBH* only)	K.HEATMET
	 DCOM gateway	DCOM-LT/IO
	 DCOM gateway	DCOM-LT/MB
Installation	Drain pan for reversible H/B	EKHYDP1
	Cover plate 35	EKHY093467
Sensor	Installation jig	EKHYMNT1
	 External sensor	EKRTETS
Valve	Valve kit for connection to 3rd party tank with built-in thermostat	EKHY3PART2
	Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART
Propane set	Propane set	EKHY075787

Type	Material name
Adapter Flex-Fixed PP 100	EKFGP6316
Adapter Flex-Fixed PP 130	EKFGS0252
Chimney Connection 60/100	EKFGP4678
Chimney Connection 60/100	EKFGP4678
Chimney Connection 80/125	EKFGP4828
Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
Concentric connection Ø 80/125	EKHY090717
Connector Flex-Flex PP 100	EKFGP6325
Connector Flex-Flex PP 130	EKFGP6366
Connector Flex-Flex PP 80	EKFGP6324
Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
Eccentric connection Ø 80	EKHY090707
Elbow PP/ALU 80/125 90°	EKFGP4810
Elbow PP/GLV 60/100 30°	EKFGP4664
Elbow PP/GLV 60/100 45°	EKFGP4661
Elbow PP/GLV 60/100 90°	EKFGP4660
Elbow PP/GLV 80/125 30°	EKFGP4814
Elbow PP MB-AIR 80 90°	EKFGW4085
Elbow PP BM-AIR 80 45°	EKFGW4086
Extension Flex PP 100 l=10 M	EKFGP6346
Extension Flex PP 100 l=15 M	EKFGP6349
Extension Flex PP 100 l=25 M	EKFGP6347
Extension Flex PP 130 l=30 M	EKFGS0250
Extension Flex PP 80 l=10 M	EKFGP6340
Extension Flex PP 80 l=15 M	EKFGP6344
Extension Flex PP 80 l=25 M	EKFGP6341
Extension Flex PP 80 l=50 M	EKFGP6342
Extension PP 60 x 500	EKFGP5461
Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
Extension PP/GLV 60/100 x 500 mm	EKFGP4651
Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
Extension PP/GLV 80/125 x 500 mm	EKFGP4801
Extension P BM-Air 80 x 500	EKFGW4001
Extension P BM-Air 80 x 1,000	EKFGW4002
Extension P BM-Air 80 x 2,000	EKFGW4004
Filling loop set	EKFL1AA
Flex 100-60 + Support Elbow	EKFGP6354
Flex 130-60 + Support Elbow	EKFGS0257
Flex Kit PP Dn.60-80	EKFGP1856
Flex Kit PP Dn.8	EKFGP2520
Flue Deflector 60 (UK Only)	EKFGP1295
Flue gas non-return flap	EKGF1A
Gas conversion kit from G20 to G25	EKPS076227
Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Plume Management Kit 60 (UK Only)	EKFGP1294
PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
PMK Elbow 60 90° (UK Only)	EKFGP1284
PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
Spacer PP 80-100	EKFGP6333
Support Breaket Top Inox Dn.100	EKFGP6337
Support Breaket Top Inox Dn.130	EKFGP6353
Tee Flex 100 Boiler Connection set 1	EKFGP6368
Tee Flex 130 Boiler Connection set 1	EKFGP6215
Thermistor recirculator	EK TH2
Wall Bracket Dn.100	EKFGP4481
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit PP/GLV 60/100	EKFGP1292
Wall Terminal Kit PP/GLV 80/125	EKFGW6359
Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
Weather Slate Flat Alu 60/100	EKFGP6940
Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 80/125	EKFGW5333
Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
Wall term Mugro STD 60/100 Telescopic	DRWTER60100AA





Boilers

▪ Gas condensing boilers	202
- Daikin Altherma 3 C Gas (D2C/TND*)	203
- Daikin Altherma 3 C Gas (D2CNL)	208
- Daikin Altherma C Gas W	210
▪ Flue-gas evacuation system	212



Gas condensing boilers

Why choose a gas condensing boiler?

Daikin's gas condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Our wall mounted boilers provide end users 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 ECH₂O tank.

✓ Flexibility

Easy installation and service

All parts are accessible from the front and are low maintenance. The flue gas installation can be adapted to all kinds of configuration thanks to its flexibility.

✓ Energy efficiency

Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 109% more energy efficiency by using renewable energy to produce hot water.



Daikin Altherma 3 C Gas (D2C/TND*) Wall mounted gas condensing boiler

Why choose the Daikin gas condensing boiler?

Low weight

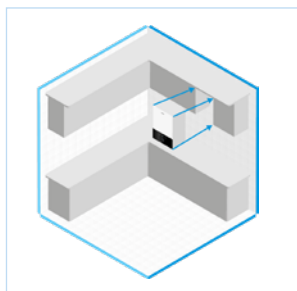
27 kg

Connectivity/Cloud Service

Always in control, no matter where you are.

Easy installation and service

All parts are accessible from the front. The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space. The Lambda Gx is compatible with wall mounted and floor standing units.



Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

- Combi boiler: solar preheating
- Heating only boiler: solar controller input



Most compact

12, 18, 24 kW: 400 x 255 x 580 mm
28, 35 kW: 450 x 288 x 666 mm

Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

Unique interface

- Stylish interface appeals to all end-users
- State-of-the-art technology meets user-friendly design
- The side details and convex front panel deliver an integrated view



Heating only: 12-18 kW
Combi: 24 kW

Combi: 28-35 kW

Occupies only
0.06 m³

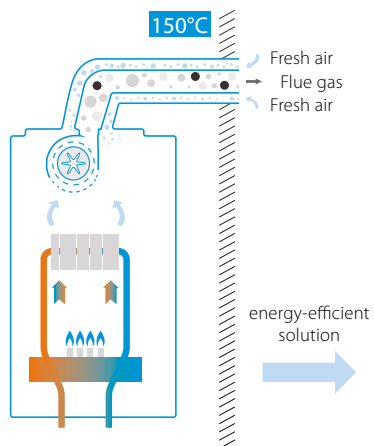




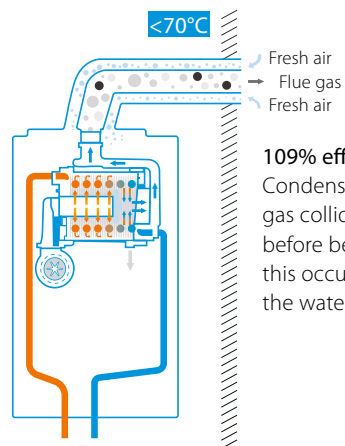
Energy waste

93% efficiency

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



energy-efficient solution

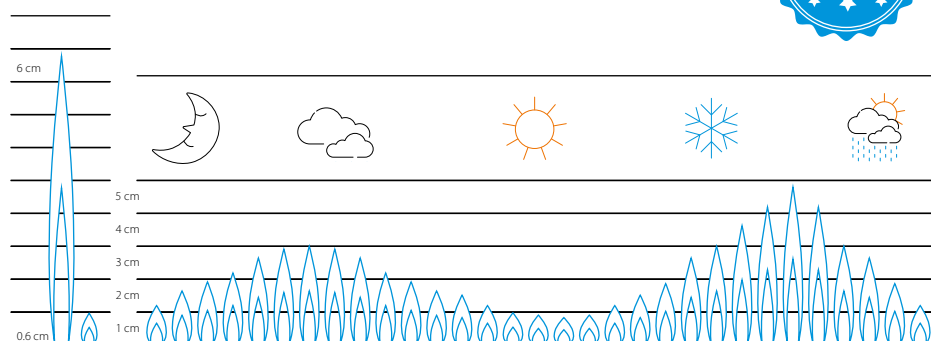


109% efficiency

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.

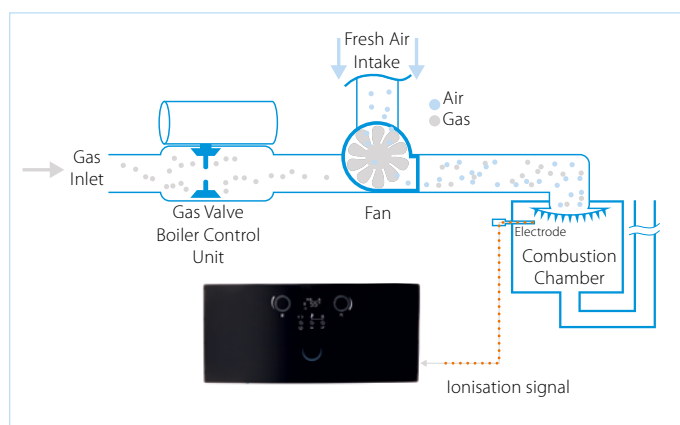
✓ High modulation rate

The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.



✓ Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



✓ Product features

Flue Adapter 60/100

- Factory mounted
- Compatible with top adapters/elbows of different flue gas manufacturers
- With measurement holes for air and flue gas

Heat Exchanger

- Daikin design
- Material: Aluminium
- Modulation:
12-18-24 kW (1:4 - 1:6 - 1:8)
28-35 kW (1:4 - 1:7)

Expansion Vessel

- Integrated
- 12-18-24 kW: 8 liters
28-35 kW: 10 liters

Gas Valve

- Less maintenance needed
- Automatic gas adaptive system
- No additional parts/tools for changing from NG to LPG

Domestic Hot Water Plate Heat Exchanger

- Increased number of plates to provide faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock

- Includes filter and flow restrictor
- Air vent, drain tap and Internal bypass
- Low energy pump

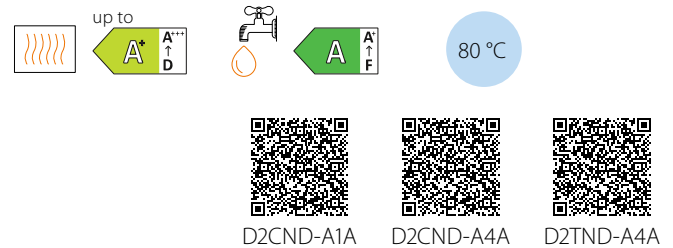
Fan

- Wide modulation range
- Low noise

Daikin Altherma 3 C Gas

Supremely compact gas condensing boiler
providing heating and hot water

- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- Easy to service: all parts are accessible by only removing the front panel
- High heating efficiency up to 109%
- High modulating range 1:8: the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- Combine it with solar heating for even better energy efficiency
- C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water
- T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler
- A1 model means that the filling loop is internal
- A4 model means that the filling loop is external



Indoor unit				D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A	
Central heating	Heat input Q _n (net calorific value)	Nom	Min/Max	kW	2.90/11.20	2.90/17	2.90/23.50	4.80/27	4.80/34	2.90/23.5	4.80/27	4.80/34	
	Heat input Q _n (gross calorific value)	Nom	Min/Max	kW	3.20/12.40	3.20/18.90	3.20/26.10	5.30/30	5.30/37.80	3.20/26.10	5.30/30	5.30/37.80	
	Output P _n at 80/60 °C	Min/Nom		kW	2.80/10.90	2.80/16.60	2.80/22.80	4.60/26.30	4.60/33.20	2.80/22.80	4.60/26.30	4.60/33.20	
	Output P _n at 50/30 °C	Min/Nom		kW	3.10/12	3.10/18	3.10/24	5.20/28.20	5.20/35	3.10/24	5.20/28.20	5.20/35	
	Water pressure (PMS)	Max		bar	3								
	Water temperature	Max		°C	100								
	Efficiency	Net calorific value		%	98.60	98.20	97.90	98.20		97.90	-	-	
	Operation range	Min/Max		°C	30/80								
	Piping connections				19 (3/4") Male								
Domestic hot water	Heat input (net calorific value) Q _n	Nom	Min/Max	kW	2.90/11.20	2.90/17	2.90/23.50	4.80/29.50	4.80/34	2.90/23.50	4.80/29.50	4.80/34	
	Heat input (gross calorific value) Q _n	Nom	Min/Max	kW	3.20/12.40	3.20/18.10	3.20/26.10	5.30/32.70	5.30/37.70	3.20/26.10	5.30/32.70	5.30/37.70	
	Domestic hot water threshold			L/min	-			2.50		2			
	Temperature Factory setting			°C	50								
	Operation range			°C	35/60								
	Piping connections				19 (3/4") Male								
Gas	Gas connection diameter			mm	19 (3/4") Male								
	Consumption (G20)	Min/Max		m³/h	0.31/1.18	0.31/1.80	0.31/2.48	0.511/2.89	0.511/3.63	0.31/2.48	0.511/2.89	0.511/3.63	
	Consumption (G25)	Min/Max		m³/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19	
	Consumption (G31)	Min/Max		m³/h	0.12/0.46	0.12/0.69		0.20/1.10	0.20/1.38	0.12/0.96	0.20/1.10	0.20/1.38	
Supply air	Connection			mm	100								
	Concentric				Yes								
Flue gas	Connection			mm	60								
Space heating	General	η _{sp} (Seasonal space heating efficiency)		%	93								
		Seasonal space heating eff. class											
	General	Declared load profile			-				XL				
		η _{wh} (water heating efficiency)		%	-				84		83		
		Water heating energy efficiency class			-								
Casing	Colour				Titanium White (RAL9003)								
	Material				Sheet metal		Powder painted galvanised steel plate		Sheet metal	Powder painted galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	590x400x256		690x440x295		590x400x256	690x440x295			
Weight	Unit	Empty		kg	27		36		27	37			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230		1~/50/230		1~/50/230		1~/50/230		
Electrical power consumption	Max.			W	86		92	112	86	92	112		
	Standby			W	3.50		2.70		3.50	2.70			

Options

Category		Description	Material Nr
Controllers		Outdoor sensor	150042
		Solar Temperature Sensor	DRSLRTESENSAA
		Daikin OT+ room thermostat	DOTROOMTHEAA
		Communication gateway	DRGATEWAYAA
		Zone Controller (E8.1124)	DRZONECCONTAA
Flue gas		Lago CAN BUS room thermostat	DRCBROOMTHEAA
		Connector Elbow PP 60/100 + MP(0 mm)	DRMEEA60100BA
		Twin Box Adapter 80/80 + MP(0 mm)	DRDECOP8080BA
		Vert. Conn. 60/100-80/125 + MP(0 mm)	DRDECO80125BA
Mechanical		Cover plate (12-18-24 kW)	DRCOVERPLATAA
		Cover plate (28-35 kW)	DRCOVERPLA2AA
		Antifreezing set	DRANTIFREEZAB
Valve kit		Valve Kit C1 - 90° valves	DRVALVEKIC1AA
		Valve Kit C2 - 90° valves	DRVALVEKIC2AA
		Valve Kit T1 - 90° valves	DRVALVEKIT1AA
		Valve Kit T2 - 90° valves	DRVALVEKIT2AA
Pump Groups & Other		Seperator for mud and magnetit	SAS1 156021
		Seperator for mud and magnetit	IT.DEFANG-TP
		Seperator for mud and magnetit	IT-DEFANG-OT
		Unmixed Pump Group	DRUPUMPGRUPAA
		Mixed Pump Group	DRMPUMPGURPAA
For service		Service box	DRSERVCBOX1AA - 5020177



Daikin Altherma 3 C Gas (D2CNL)

Base model - Wall mounted gas condensing boiler

The gas condensing boiler D2CNL-A1A integrates what is essential: neat design, ease of use and installation to provide heating and hot water.

Neat design

The product enjoys the black and white design DNA introduced with the third generation of Daikin Altherma products. Its dimensions and weight make it one of the most compact product of its category.

All-in-one comfort

The product provides space heating and instantaneous domestic hot water without tank, both with an A energy label.



As simple as A+B

The product is really simple to control via its interface. It is also very easy to install and service since all parts are available from the front.



Daikin Altherma 3 C Gas

Supremely compact gas condensing wall mounted boiler **providing heating and hot water**

- Easy to service: all parts are accessible by only removing the front panel
- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping



D2CNL-A1A



Indoor unit		D2		CNL024A1A	
Central heating	Heat input Q _n (net calorific value)	Nom	Min/Max	kW	4/23.50
	Heat input Q _n (gross calorific value)	Nom	Min/Max	kW	4.40/26.10
	Output P _n at 80/60°C	Min/Nom		kW	3.80/22.80
	Output P _{nc} at 50/30°C	Min/Nom		kW	4.40/24
	Water pressure (PMS)	Max		bar	3
	Water temperature	Max		°C	100
	Operation range	Min/Max		°C	30/80
	Operation range	Min/Max		°C	4/25.50
Domestic hot water	Heat input (net calorific value) Q _{nw}	Nom	Min/Max	kW	4.40/28.30
	Heat input (gross calorific value) Q _{nw}	Nom	Min/Max	kW	4.40/28.30
	Domestic hot water threshold			L/min	2.30
	Temperature	Factory setting		°C	50
Gas	Consumption (G20)	Min/Max		m ³ /h	0.40/2.50
	Connection			mm	100
Supply air	Concentric				Yes
	Connection			mm	60
Flue gas	General				
	Seasonal space heating efficiency class				A
Space heating	General				
	Seasonal space heating efficiency class				A
Domestic hot water heating	General				
	Declared load profile				XL
	Water heating energy efficiency class				A
	η _{wh} (water heating efficiency)			%	87
Casing	Colour				Titanium White (Ral9003)
	Material				Powder painted galvanised steel plate
Dimensions	Unit	HxWxD	Casing	mm	590x400x256
Weight	Unit	Empty		kg	27
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	100
	Standby			W	3

Category	Description		Material Nr
Valve Kit		Valve Kit for Combi Boiler	DRVALVEKIC1AA
Wall Rack		Wall Rack for small boilers	DRWALLRACK1AA
Cover Plate		Bottom cover plate	DRCOVERPLATAA
Flue Gas		Connector Elbow PP 60/100	DRMEEA60100BA
		Twin Box Adapter 80/80	DRDECOP8080BA
		Vert. Conn. 60/100-80/125	DRDECO80125BA

Daikin Altherma

C Gas W

High efficiency gas condensing boiler
for heating and hot water

- Top efficiency gas condensing boiler thanks to labyrinth fin heat exchanger for improved heat exchange
- Low running costs for both heating and hot water thanks to new dual heat exchanger
- Maximum heating comfort and domestic hot water when it is most needed
- Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components



EHOBG-A



EKOMBG-A



EKOMB-AH



EKOMB-AH



Indoor unit				EHOB		G12A		G18A		
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	3.80/12.50		5.60/18.70			
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	4.20/13.90		6.20/20.80			
	Output Pn at 80/60 °C	Min/Nom		kW	-/12.20		-/18.20			
	Output Pnc at 50/30 °C	Min/Nom		kW			-/-			
	Water pressure (PMS)	Max		bar			3			
	Water temperature	Max		°C			90			
	Operation range	Min/Max		°C			30/90			
Gas	Connection	Diameter		mm			15			
	Consumption (G20)	Min/Max		m³/h	0.36/1.30		0.58/1.94			
	Consumption (G25)	Min/Max		m³/h	0.42/1.50		0.67/2.25			
	Consumption (G31)	Min/Max		m³/h	0.14/0.49		0.22/0.74			
Supply air	Concentric						60/100			
Flue gas	Connection			mm			60			
Space heating	General	ηs (Seasonal space heating efficiency)	Seasonal space heating eff. class	%			92			
							A			
Casing	Colour						White - RAL9010			
	Material						Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	Casing	mm			590x450x240			
Weight	Unit	Empty		kg			30			
Power supply	Phase/Frequency/Voltage			Hz/V			1/50/230			
Electrical power consumption	Max.			W			80			
	Standby			W			2			
Indoor unit				EKOMB	22AH	28AH	33AH	G22A	G28A	G33A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	5.60/18.70	7.10/23.70	7.20/27.30	5.50/23.30	7.10/29.10	7.60/32.70
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	6.20/20.80	7.90/26.30	8/30.30	6.10/25.90	7.90/32.30	8.40/36.30
	Output Pn at 80/60 °C	Min/Nom		kW	-/17.80	-/22.80	-/26.30	-/22.70	-/28.40	-/32.10
	Water pressure (PMS)	Max		bar			3			
	Water temperature	Max		°C			90			
	Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	5.60/22.10	7.10/28	7.20/32.70	5.50/23.30	7.10/29.10
Heat input (gross calorific value) Qnw		Nom	Min/Max	kW	6.20/24.60	7.90/31.10	8/36.30	6.10/25.90	7.90/32.30	8.40/36.30
Domestic hot water threshold				L/min	2				2	
Temperature		Factory setting		°C			60		-	
Operation range		Min/Max		°C			40/65			
Gas		Connection	Diameter		mm			15		
	Consumption (G20)	Min/Max		m³/h	0.58/2.29	0.74/2.91	0.75/3.39	0.58/2.42	0.74/3.02	0.79/3.39
	Consumption (G25)	Min/Max		m³/h	0.67/2.65	0.85/3.26	0.86/3.93	0.62/2.82	0.84/3.46	0.89/3.92
	Consumption (G31)	Min/Max		m³/h	0.22/0.87	0.28/1.11	0.28/1.29	0.21/0.94	0.29/1.19	0.30/1.29
Supply air	Concentric						60/100			
Flue gas	Connection			mm			60			
Space heating	General	ηs (Seasonal space heating efficiency)	Seasonal space heating eff. class	%	91	92	93	91	92	93
							A			
Domestic hot water heating	General	Declared load profile			L	XL		L	XL	
		ηnh (water heating efficiency)		%	78	81		90	83	84
		Water heating energy efficiency class					B			
Casing	Colour						White - RAL9010			
	Material						Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	590x450x240	650x450x240	710x450x240	590x450x240	650x450x240	710x450x240
Weight	Unit	Empty		kg	30	33	36	30	33	36
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/230			
Electrical power consumption	Max.			W			80			
	Standby			W			2			

(1) Setpoint 40 °C (2) Setpoint 60 °C

Options

Type			Condensing boilers								
			Material name	EKOMB*					EHOB*		
				Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW
Controllers	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•	
	Dongle set	EKDS1A	•	•	•	•	•	•	•	•	
Installation	Cover plate 35	EKCP1A	•	•	•	•	•	•	•	•	
	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•	
Sensor	Outdoor sensor	EKOSK1A	•	•	•	•	•	•	•	•	
Valve	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•	
	Valve kit (DE)	EKVK5A						•	•		
	Valve kit (DE)	EKVK6A	•	•	•	•	•				
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•	
B-pack	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•	•				•	•		
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•					
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A					•			•	
	B-pack for combi (FR, BE)	EKFJS2A	•	•							
	B-pack for combi (FR, BE)	EKFJM2A			•	•					
	B-pack for combi (FR, BE)	EKFJL2A					•			•	
	B-pack for combi (DE)	EKFJS4A						•	•		
	B-pack for combi (DE)	EKFJS6A	•	•							
	B-pack for combi (DE)	EKFJM6A			•	•					
	B-pack for combi (DE)	EKFJL6A					•				
Propane set		EKHY075787	•								
		EKPS075867				•	•			•	
		EKPS075877	•								
		EKPS075917						•			
Conversion set		EKPS076197						•			
		EKPS076207	•						•		
		EKPS076217		•	•				•		
		EKPS076227		•			•			•	
Flue gas	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•	
	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•				
Others	Concentric connection (Ø 80/125)	EKHY090717									
	Eccentric connection (Ø 80)	EKHY090707									
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•				

Flue-gas evacuation system

Hybrid heat pump



Daikin Altherma Hybrid H

Wall mounted gas condensing boilers



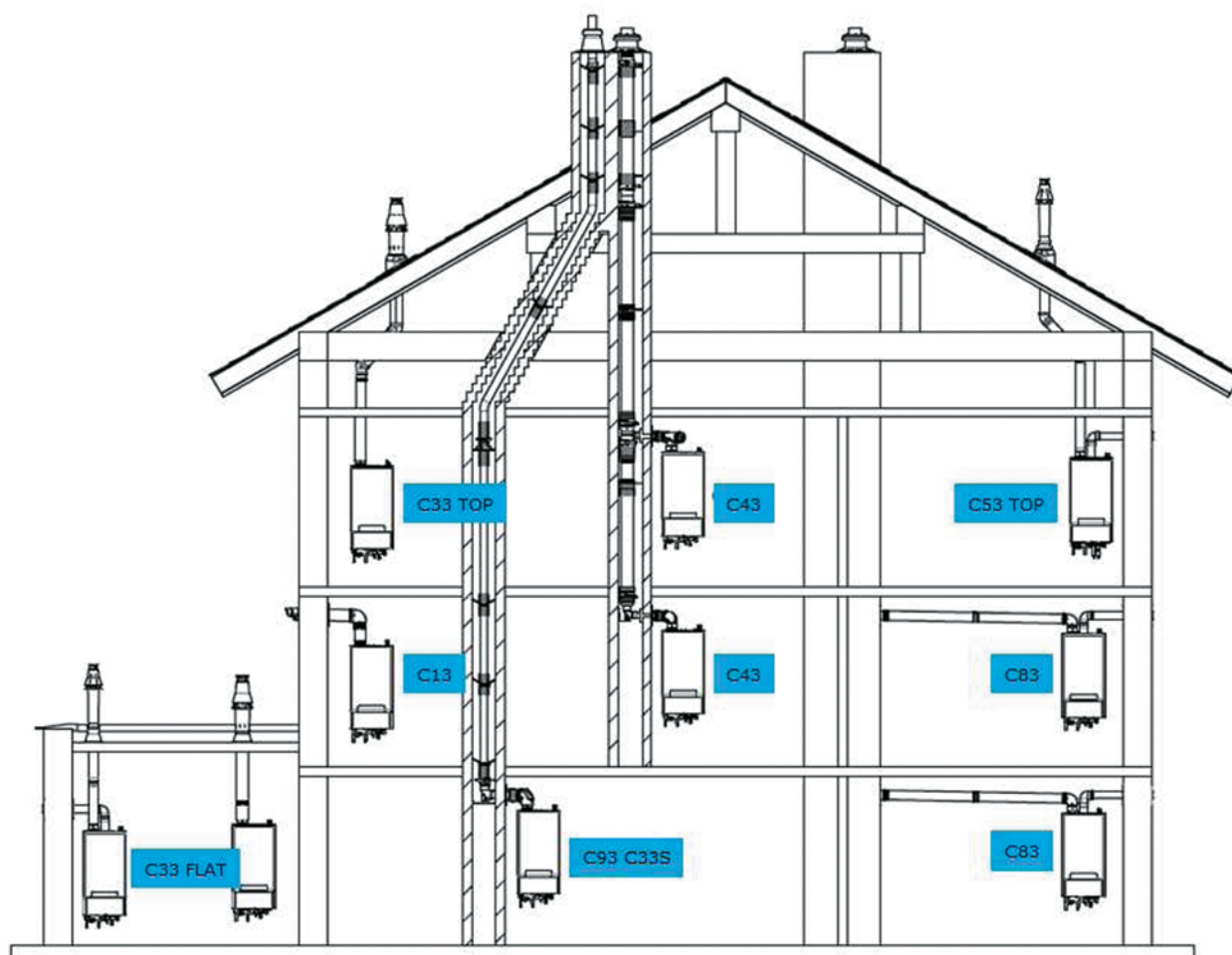
Daikin Altherma C Gas W



Daikin Altherma 3 C Gas W

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



1-8 Variants for Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

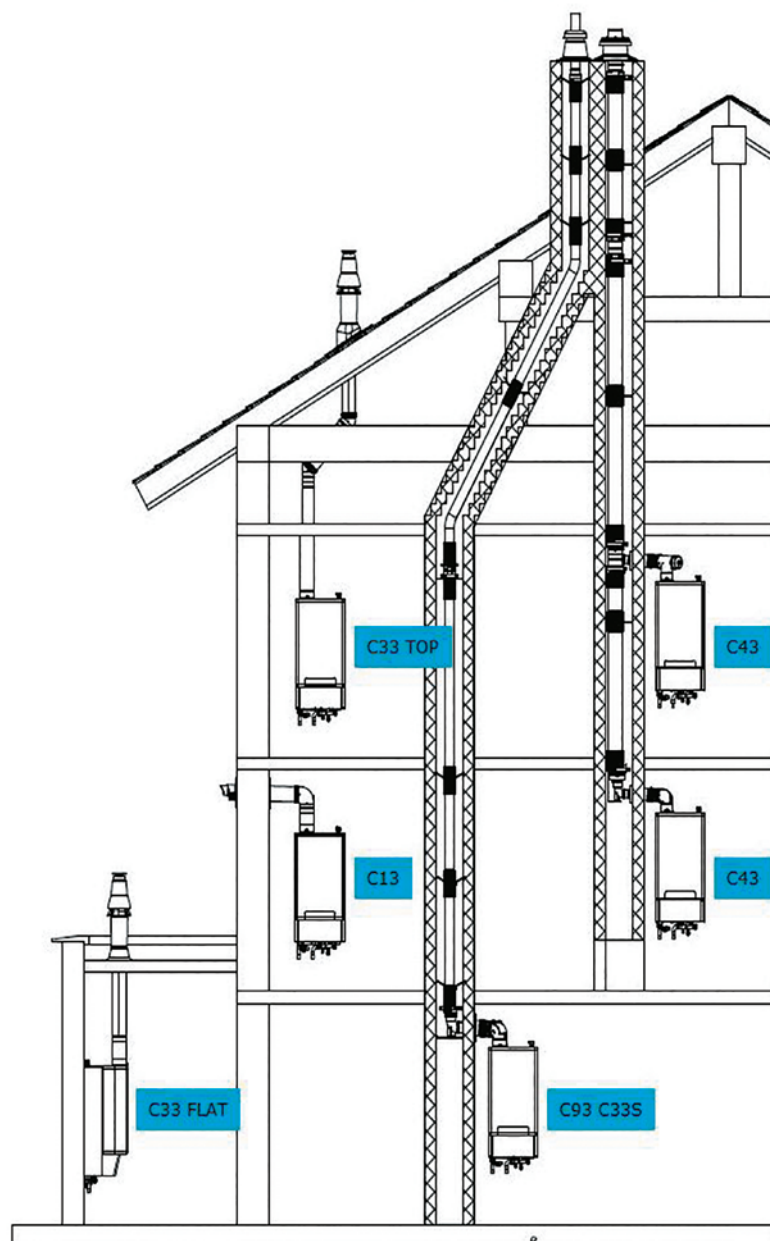
CA Air (combustion) inlet
FG Flue gas
RV Ventilation

Bxx Type CEN/TR1749:2009 for operation dependent on ambient air
Cxx Type CEN/TR1749:2009 for suction operation

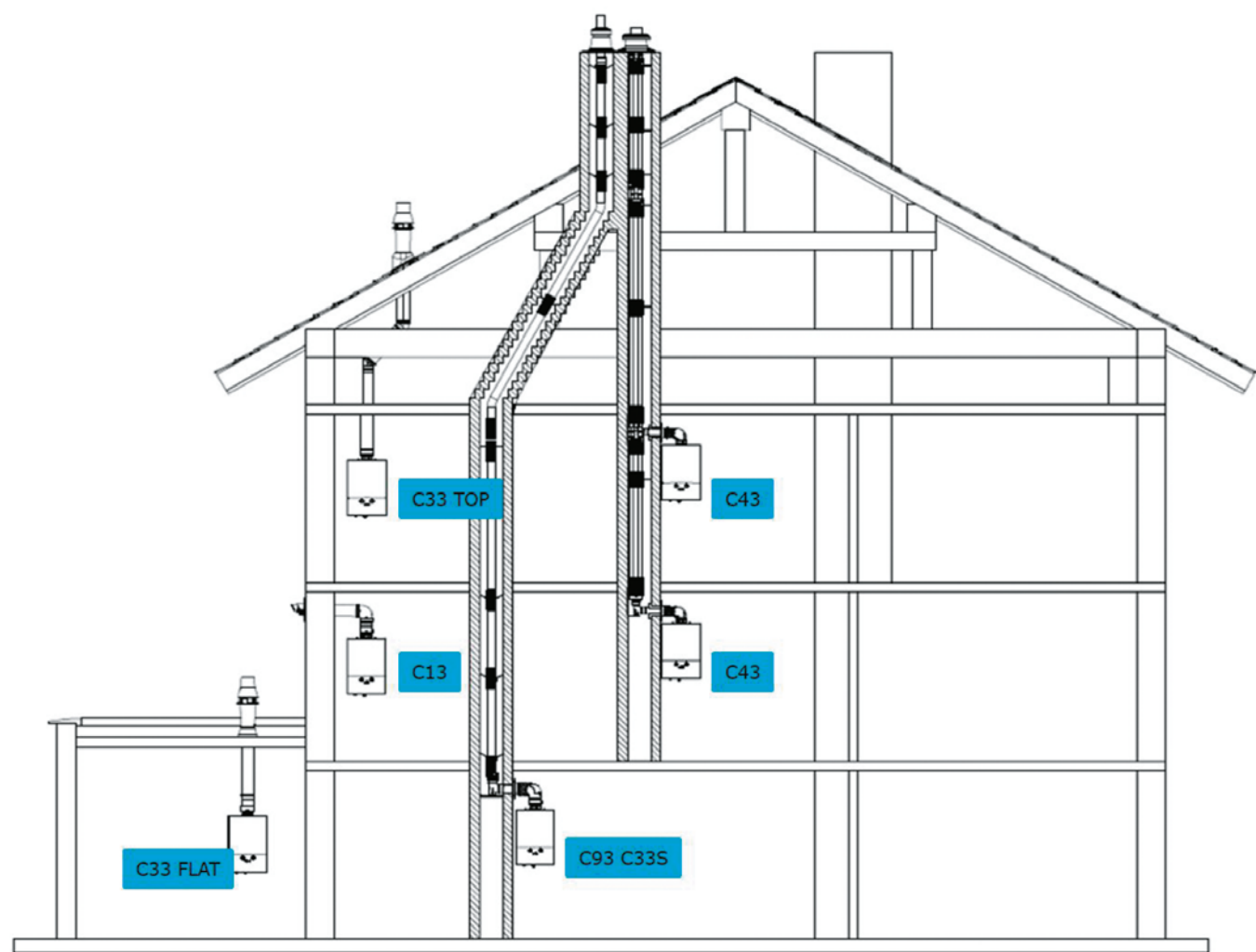
- a Variant for suction connection (flue gas/concentric air inlet)
- b Variant for partial suction connection (flue gas/separated air inlet)
- c Variant for connection dependent on ambient air
- d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!
- e Ventilation opening (1 x 150 cm² or 2 x 75 cm²)
- f Ventilation (150 cm²)

- All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed
- Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid



Overview of Daikin Altherma 3 C Gas W





Collective solutions

Decentralised solutions	220
Centralised solutions	221
Water loop	222
▪ Daikin Altherma 3 WS	222

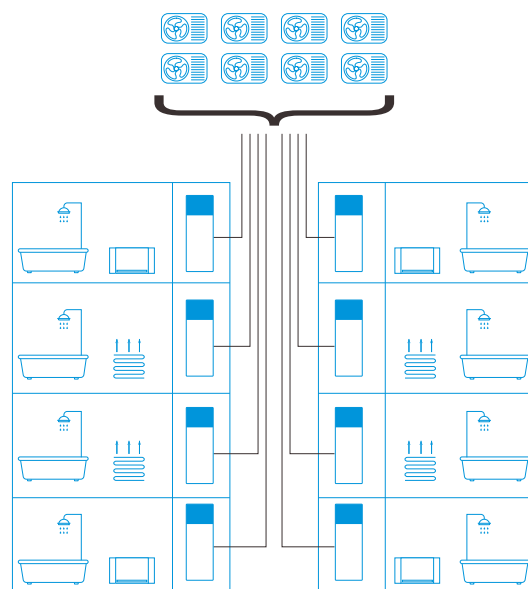


Check out our collective solutions on:
<https://collectivehousing.daikin.eu/en-GB/high-rise>



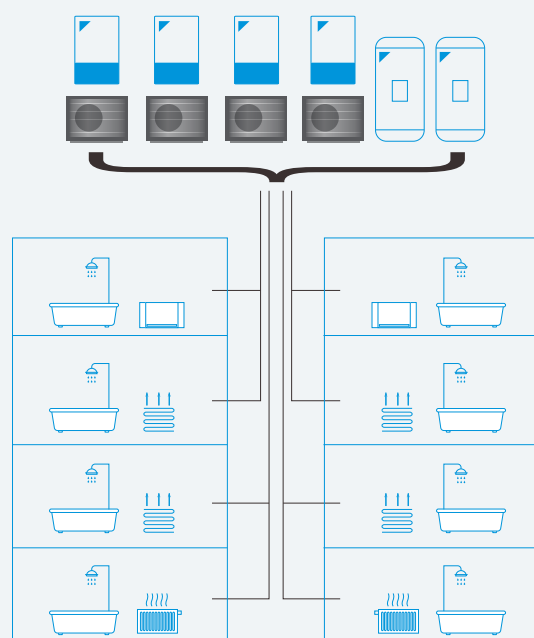
P. 220

Decentralised



Centralised

P. 221



Daikin solutions for collective buildings

Thanks to a wide range of individual heat pumps, Daikin has always been present in collective buildings with decentralised solutions.

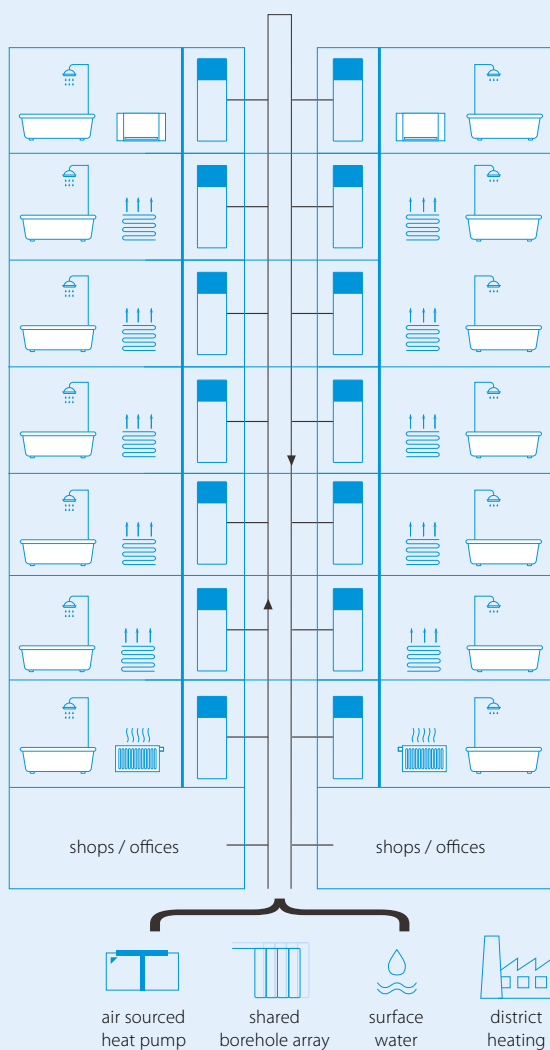
Using Daikin Altherma 3 in cascade system, a central solution for hot water production is also part of the portfolio.

Recently, Daikin Altherma 3 WS was launched: a dedicated water loop solution for high-rise buildings.

In that way, Daikin provides multiple flexible solutions for collective buildings.

Semi-centralised: Water loop

P. 222





Decentralised solutions

In a decentralised set-up, each apartment of the building is equipped with an individual heat pump. The end customer has total control over its system and consumption. The outdoor unit is often installed on the balcony, or on the roof.

✓ A large choice of Daikin solutions

Thanks to a wide range of heat pumps, Daikin is able to provide multiple solutions decentralised applications in apartments buildings.

In each apartment, an individual indoor unit is installed: air-to-water split heat pump, a hybrid heat pump...

Inside the apartment:

In decentralised solutions, only an indoor unit can be found inside the apartment. Usually installed in a technical or utility room, it takes as much floor space as other household appliances such as a washing machine.



It allows the end-user to totally control its energy consumption and answers its needs in the most efficient way, whether it is for space heating, cooling or domestic hot water.

Outside the apartment:

The heat pump outdoor unit can be installed in different locations in order to save as much space as possible.

For example, on a balcony:



Or on the roof:





Centralised solutions

Centralised applications integrate a central source of energy for heating and hot water. Cascade solution is a type of centralised system in which one outdoor unit supplies energy to multiple apartments. Each apartment still includes an indoor unit as control center.

✓ Another purpose for Daikin high capacity heat pumps

In a cascade solution, one larger capacity outdoor unit provides energy to multiple apartments. This larger outdoor unit ranges from 11 to 18 kW class, compared to individual heat pumps up to 8 kW. Each outdoor unit is connected to the other in order to form a central source of energy that is suitable for a total of up to 50 kW. Specific rules apply for the installation of such a system.

Applicable units

Daikin Altherma 3 H HT + wall mounted indoor unit
Daikin Altherma 3 R + wall mounted indoor unit
Daikin Altherma 3 M monobloc

Cascade controller

Daikin provides a universal centralised controller for cascade EKKCC9-W to be used in combination with the gateway DCOM-LT/IO.

Hydrosplit connection

With Daikin Altherma 3 H HT, you only get water connections to install the outdoor and the indoor units.

The unit is available in class 14, 16 and 18 kW and delivers a LWT up to 70°C, fitting with radiators.



Refrigerant connection

Daikin Altherma 3 R refrigerant split unit is available in class 11, 14 and 16 and delivers a LWT under 60°C.

The possibility to run low LWT allows for further energy saving by using underfloor heating or heat pump convectors as heating or cooling emitters.



Monobloc

Daikin Altherma 3 M also runs low LWT under 60°C. The monobloc has the extra advantage to save space inside: indeed no indoor unit is necessary if the domestic hot water tank is installed in the communal space.





Water loop solution Daikin Altherma 3 WS

Daikin Altherma 3 WS for Collective Housing provides an innovative approach to reducing the carbon footprint of apartment buildings. Individual heat pumps deliver economical heating, hot water and optional cooling for each apartment connected via a central water loop. So use of renewable energy is optimised and heat losses in distribution are minimised, improving the environmental performance of the apartment building.

The number of people living in urban areas is continuously increasing in the recent years. Multi-family dwellings in Europe are a good portion of the European building stock. Especially if we consider that, in 2018, 46.0 % of the EU-27 population lived in flats. (*) Therefore, apartment buildings are among the most relevant contributors to the energy consumption and CO₂ emissions of the EU building sector.

As a consequence, the higher demand for living space makes the collective building sector grow in the future cities. Building sector plays a significant role for the energy consumption as it represents 40% of energy used in the EU.

New European Directives are driving the efficiency of modern buildings in order to reach future goals. In this perspective, heat pumps play a key role to achieve these goals not only in single dwellings but also in multi-family apartment buildings. Daikin, the innovation leader for more than 90 years, takes the

challenge in multi-family apartment building to apply full renewable solutions based on in-house heat pump technology. From low to high-rise apartment buildings, from individual to centralised heating systems, from retrofit to new built Daikin has the units, the experience and the solution for you.

(*) https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Living_conditions_in_Europe_-_housing_quality

Efficiency and environmental performance all in one

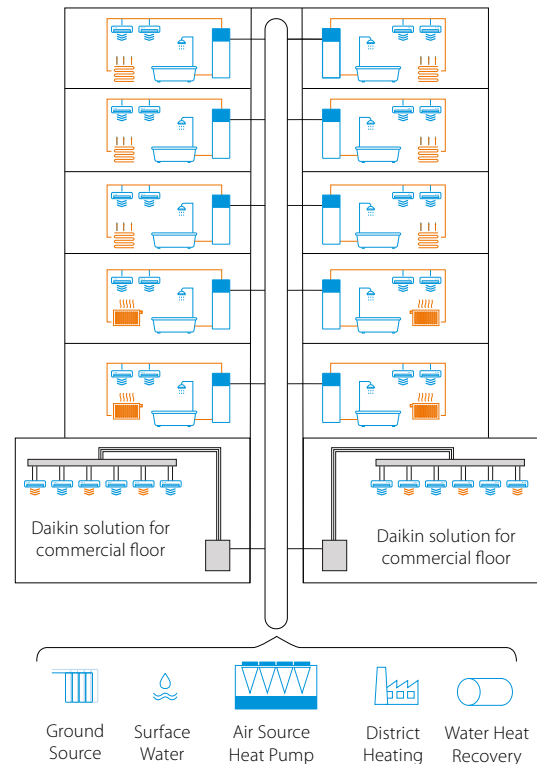
Individual heat pumps connected to a central loop

This innovative system consists of a network of heat pumps connected to a common central water loop. In each apartment is a Daikin Altherma 3 WS unit - a high-efficiency water-to-water heat pump with integrated domestic hot water (DHW) tank.

The heat pump in each apartment works independently, but is connected to a common central water loop to form a communal system. The central water loop must be maintained between +10°C and below +30°C. Thanks to this wide temperature range, the central water loop can be warmed/or cooled via several different means:

- Ground or air source heat pump
- Shared ground array, borehole or thermal piles
- Surface water source such as a river, canal or seawater
- District heat network
- Waste heat recovery

This offers the designer full flexibility to select the most appropriate form of renewable energy available to the site: ground, water or air



Low ambient temperatures for minimal heat loss

This highly efficient heat pump network can provide economical heating, hot water and optional cooling for an entire apartment building at relatively low ambient water temperatures.

Compared with the high distribution losses that occur in typical communal heating systems - which lead to overheated buildings and wasted energy - the low ambient loop means that heat losses are reduced by more than 80%. Hence it is a much more economical solution, that reduces the carbon footprint of the entire building.

Key system advantages:

- Utilises renewable (or recovered) energy
- Low carbon heat pump solution delivers significant CO₂ reductions over traditional systems
- Low carbon solution helps reduce carbon offset payments
- Heating, hot water & cooling via a 2 pipe network offers capital savings over a traditional 4 pipe solution
- Intuitive user controls and internet connectivity as standard
- In-apartment heat pump has integrated back up heater, so heating & hot water is maintained in any eventuality.
- Simplified connection with water loop thanks to the embedded pressure independent control valve
- Pressure rating of 16 bar (water loop side) to simplify installation in high-rise buildings: no need of pressure brakers up to 20 floors

Designed to suit
modern living



Optimised for comfort

With a leaving water temperature up to 65°C and high efficiencies, the Daikin Altherma 3 WS is designed to ensure the lowest running costs and highest comfort levels for each apartment.



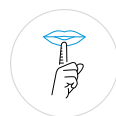
Versatility by design

Daikin Altherma 3 WS is highly versatile and works with various heat emitters, such as radiators, underfloor heating, heat pump convectors or fan coil units for maximum design flexibility.



All in one integrated model

The floor standing indoor unit with integrated DHW tank has a minimal footprint, utilising as little floorspace as possible.



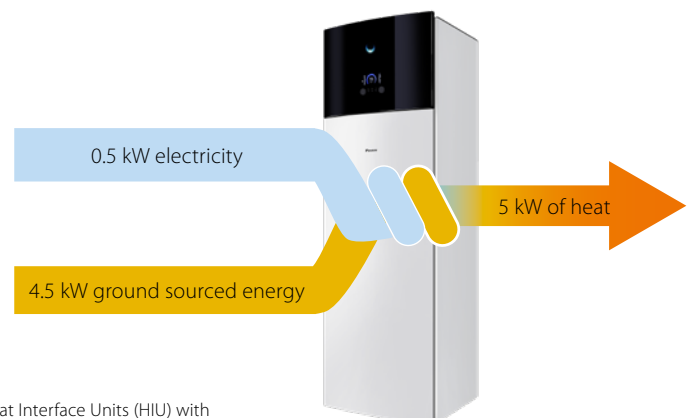
Exceptionally quiet operation

Daikin Altherma 3 WS promises almost silent operation down to 27 dBA, thanks to a specially designed swing compressor module, which limits vibrations and is sound insulated, to minimise noise levels.

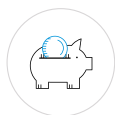


Delivering decarbonisation

Compared with a typical Combined Heat & Power (CHP) and boiler system often used in apartments, the Daikin Altherma 3 WS system delivers a reduction in carbon emissions of 143 tonnes.¹

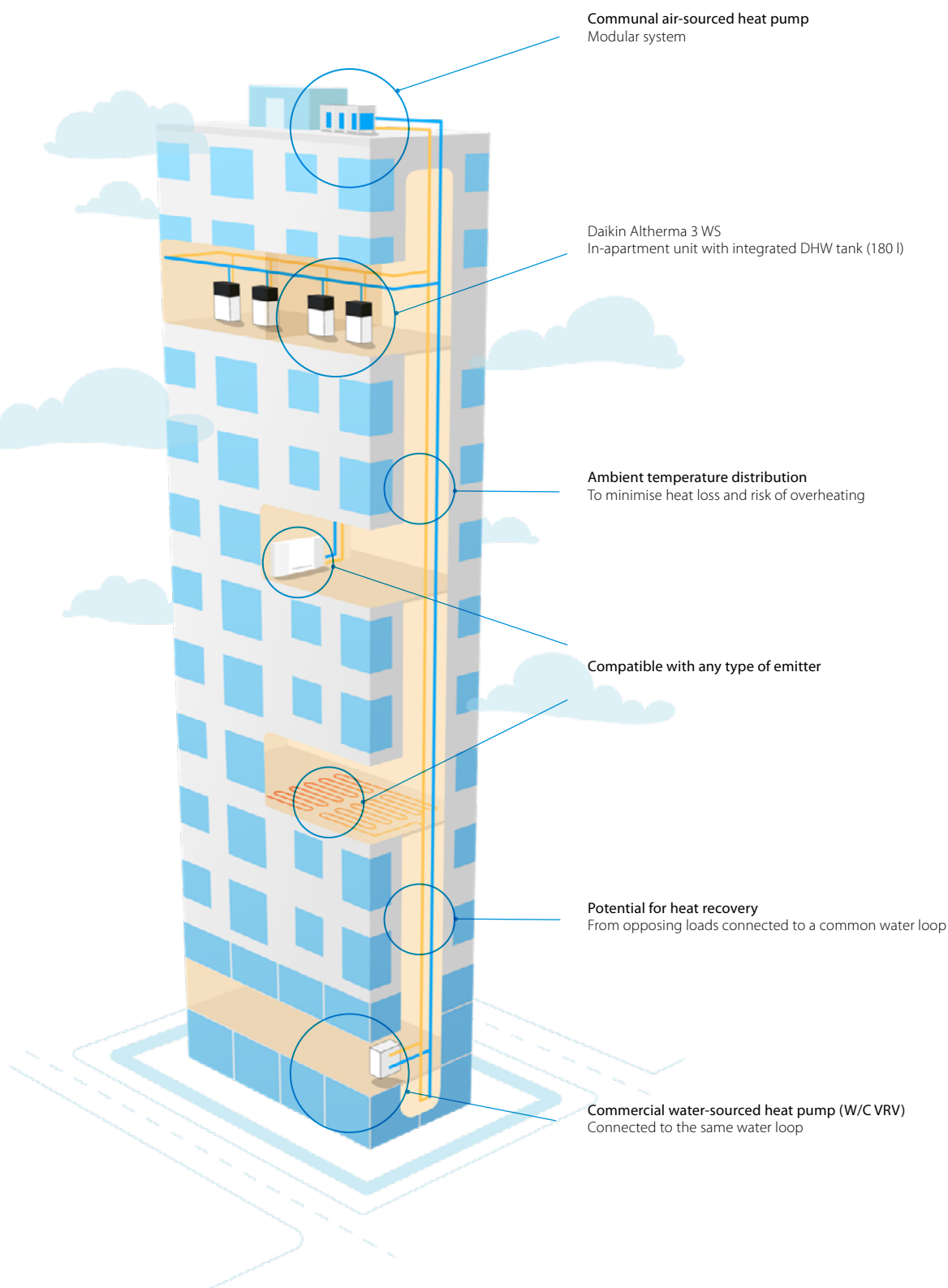


¹ Based on a block of 277 apartments with a Combined Heat & Power (CHP) system and Heat Interface Units (HIU) with CHP thermal efficiency of 48% and electrical efficiency of 32%, 60% CHP / 40% boiler, compared with a Heat Pump with a SCOP of 3.7 based on SAP2012



Reduction in capital costs

With a low temperature water loop connected to a heat pump chiller on the roof or in the plant rooms, plus a Daikin Altherma 3 WS unit in each apartment linked to Daikin heat pump convectors or fan coil units, the total system will deliver lower carbon emissions compared with a typical heating system. This could reduce a developer's carbon offset payments, so delivering a low carbon heating and cooling system makes both excellent environmental and economic sense.





Quick and easy installation

Each apartment unit consists of a sealed heat pump, a highly insulated, integrated DHW tank and an electrical back up heater, so no F-gas qualifications are required to install. Installation and servicing are quick and easy too, thanks to a small footprint, factory-fitted piping on top of the unit, and a swappable hydro module.



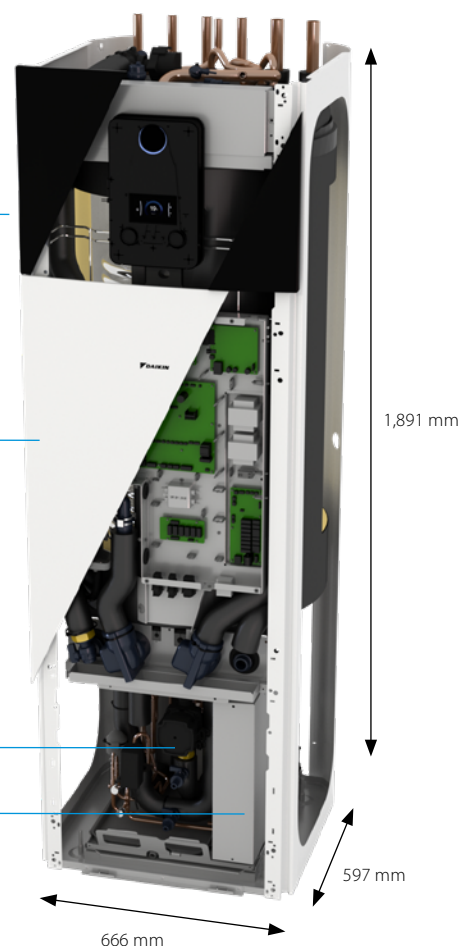
All pipe connections on top, paired in and out

Standard electrical connections pre-cabled

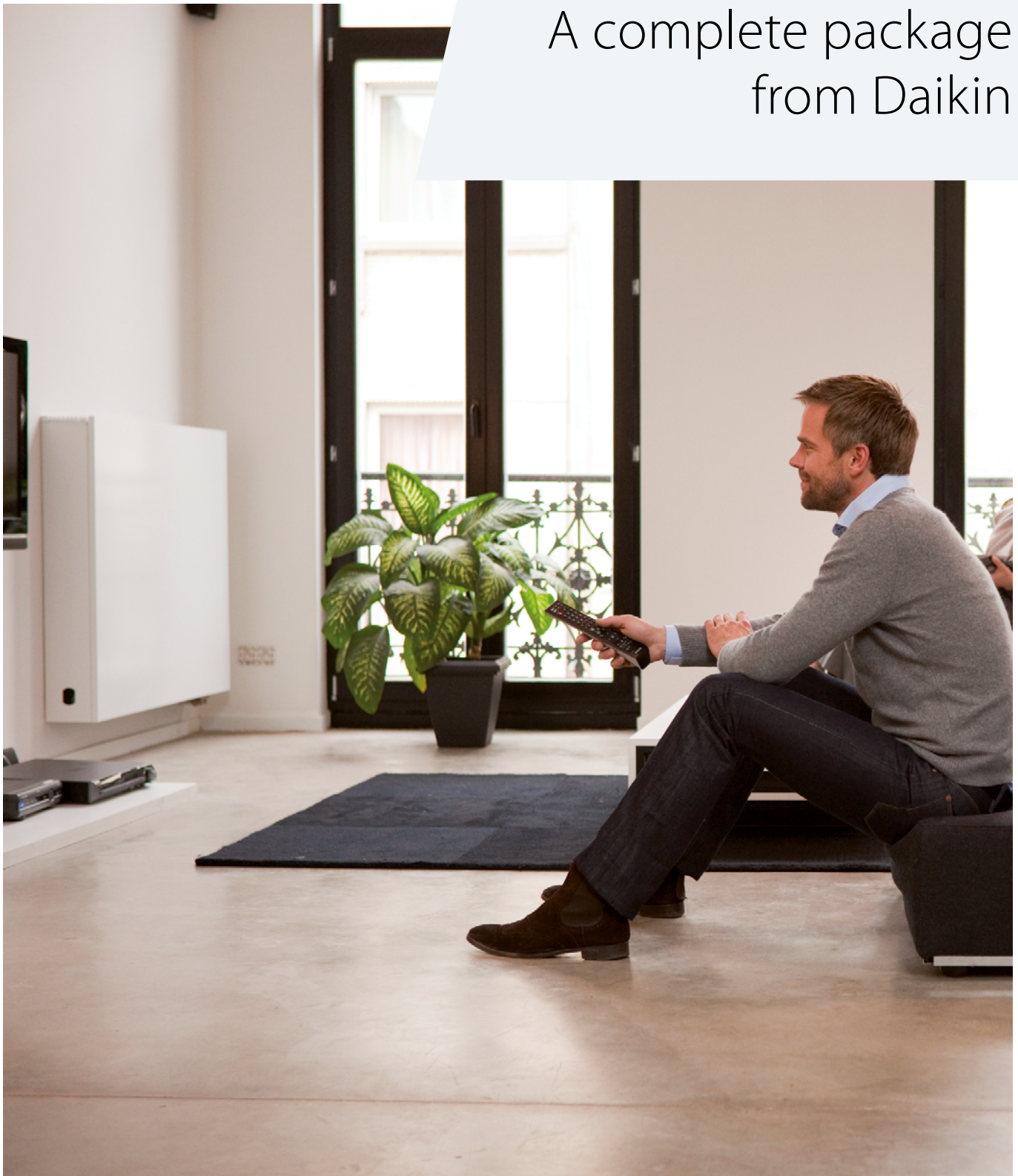
Factory fitted pressure independent control valve for flow regulation from the common water loop (design flow: 9.6 L/min)



Removable compressor module reduces the overall weight by 70 kg



A complete package from Daikin



The beauty of the Daikin Altherma 3 WS system is that each in-apartment heat pump can connect to a wide variety of heat emitters and controls, all of which can be provided as a complete package by Daikin. This ensures seamless integration and consistency of the heating solution within each apartment.

Similarly, the communal water loop can be powered by range of different heat pump solutions. And once again, Daikin can offer a wide range of water source heat pumps, air source heat pumps, in an even wider range of configurations, to provide the central energy source for the collective heating system.

So for a highly efficient system that reduces the carbon footprint and offset payments of your apartment building, Daikin has the total solution.







EWSAH-D9W



EWSAX-D9W

Indoor Unit		EWSA		H06D9W	X06D9W
B0/W35	Heating capacity	Nom.	kW	6.44	
	Power input	Max.	kW	1.67	
	COP			3.85	
W10/W35	Heating capacity	Nom.	kW	6.13	
	Power input	Nom.	kW	1.15	
	COP			5.33	
W10/W55	Heating capacity	Nom.	kW	5.61	
	Power input	Nom.	kW	1.72	
	COP			3.27	
W20/W35	Heating capacity	Nom.	kW	6.17	
	Power input	Nom.	kW	0.82	
	COP			7.49	
W20/W55	Heating capacity	Nom.	kW	6.30	
	Power input	Nom.	kW	1.48	
	COP			4.26	
W25/W35	Heating capacity	Nom.	kW	5.80	
	Power input	Nom.	kW	0.6	
	COP			9.62	
W25/W55	Heating capacity	Nom.	kW	6.36	
	Power input	Nom.	kW	1.35	
	COP			4.71	
Space heating according to EN14825 and EN14511:2018	Average climate Water in 10°C Water out 55°C	ηs (Seasonal space heating efficiency) Efficiency class	%	158	162
		sCOP		4.15	4.24
	Average climate Water in 10°C Water out 35°C	ηs (Seasonal space heating efficiency) Efficiency class	%	253	260
		sCOP		6.51	6.70
Space heating according to real application conditions	Average climate water in 20°C water out 35 °C (fixed)	Average space heating efficiency Average COP	%	360.4	9.21
Space cooling W30/W7	Cooling capacity	Nom.	kW	-	5.81
	Power input	Nom.	kW	-	1.38
	EER			-	4.21
Space cooling W30/W18	Cooling capacity	Nom.	kW	-	6.11
	Power input	Nom.	kW	-	1.21
	EER			-	5.07
Domestic hot water	General	Declared load profile		L	
	Average climate	ηwh Efficiency class	%	115	
Casing	Colour			White + Black	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x597x666	
Weight	Unit		kg	222	
Hot water tank	Material			Stainless steel (EN 14521)	
	Water volume		l	180	
	Insulation	Heat loss	kWh/24h	1.2	
	Corrosion protection			Pickling	
Operation range	Installation space	Min.~Max.	°C	5/35	
	Water inlet	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		TCO2Eq	1.15	
Water loop side	Pressure rating		bar	16	
Design flow rate	Independent control valve		l/min	9.6	
Sound power level	Nom.		dBA	39.0	
Sound pressure level at 1 meter	Nom.		dBA	27.0	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	3~/50/400 or 1~/50/230	
Current	Recommended fuses		A	3P 16A or 1P 32A	

This product contains fluorinated greenhouse gases.

Accessories

Type	Description	Product name	Note
Controller	Madoka wired room thermostat	BRC1HHDK/S/W	
	Wireless room thermostat	EKRTR1	
	Wired digital thermostat	EKRRTWA	
	LAN Adapter	BRP069A61	Equivalent of BRP069A61 built-in.
	Daikin Altherma Modbus Gateway	DCOM-LT/MB-IO	
Sensors	Remote indoor sensor	KRCS01-1	
	External sensor for EKRTRB	EKRTERS	Can only be used in combination with the wireless room thermostat EKRTRB
	Current sensor	EKCSENS	
Heat pump convector	Floor standing/wall mounted/concealed	FWXV/T/M*	Multi combination (quantity, depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convector (exception: LT - H/O)
	Digital I/O PCB	EKRPIHBAA	Additional relays to allow bivalent control in combination with external room thermostat are field supply.
Other options	Demand PCB	EKRPIAHTA	
	Power cable for back-up heater	EKGSPWCAB	
	Fernox magnetic filter 1"	K.FERNOXTF1	
	Fernox magnetic filter 1" and F1 inhibitor fluid (500ml)	K.FERNOXTF1FL	
	G3 kit 8 liter	EKUHWG3DS	For UK, mandatory combination. Recommended option.
	G3 kit 18 liter	EKUHWG3D	For UK, mandatory combination. Alternative to EKUHWG3DS.

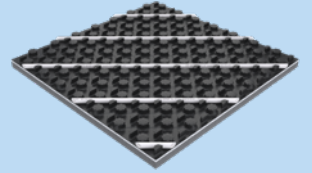
Peripherals

- Tanks
 - Thermal stores
 - Domestic hot water tanks
- Daikin Altherma ST - solar heating system
 - Thermal solar panels - pressurised
 - Thermal solar panels - drain-back system
- Controls
 - Madoka
 - Daikin home controls
 - HomeHub
 - Onecta
- Heating & cooling emitters
 - Daikin Altherma underfloor heating
 - Daikin Altherma HPC floor standing
 - Daikin Altherma HPC wall mounted
 - Daikin Altherma HPC concealed ceiling

Heating & cooling emitters

P. 256

Heat pump convectors
and underfloor heating



Onecta app

P. 246

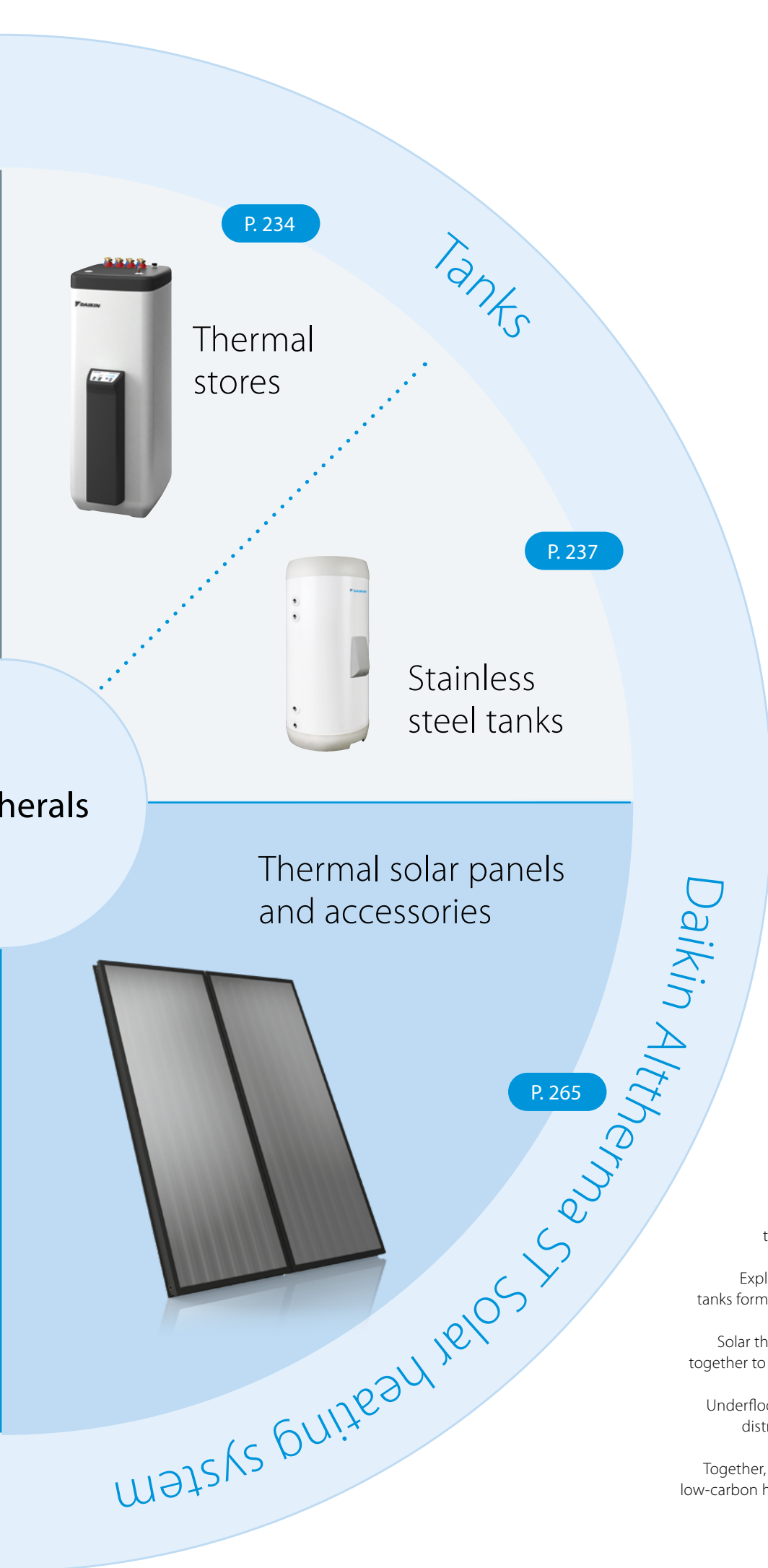


Controls

P. 240

Controls





Daikin Eco-system

Daikin is a one-stop-shop for heating by providing all equipments from the heat generators to the peripherals.

Explore how thermal stores and hot water tanks form the backbone of efficient energy use.

Solar thermal panels and smart controls work together to harness and manage renewable heat.

Underfloor heating and heat pump convectors distribute warmth evenly and sustainably.

Together, these technologies create a seamless, low-carbon heating ecosystem for modern homes.



Tanks

- Thermal stores and tanks

234

Control systems	Commercial & Transport Refrigeration	Air handling units	Fan coil units	Chillers	Marine Industry	Commercial Ventilation & Air purification	VRV	Rooftop	Sky Air	Split	Heating	Residential indoor air quality	Introduction
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Thermal stores and tanks

Hot water heating installation solutions



Why choose a Daikin Altherma ST Thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank

☒ Domestic hot water tanks

Stainless steel tanks

Comfort

- EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

- High-quality insulation keeps heat loss to a minimum
- Efficient temperature heating: from 10 °C to 50 °C in only 60 minutes
- Available as an integrated solution or separate tank

Reliability

- At necessary intervals, the unit can heat up water up to 60 °C to prevent the risk of bacteria growth

✓ The ECH₂O thermal store range

ECH₂O thermal store:

additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

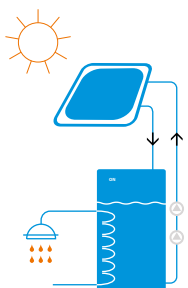
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

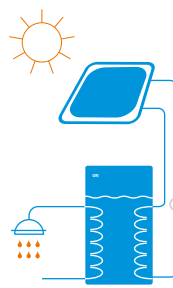
- Fit for the future: maximise renewable energy sources
- Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- High-quality insulation keeps heat loss to a minimum

Reliability

- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



Pressurised solar system

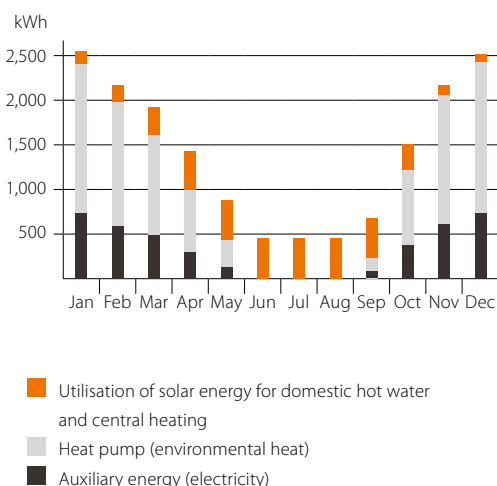
Pressureless (drain-back) solar system

- The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

Pressurised solar system

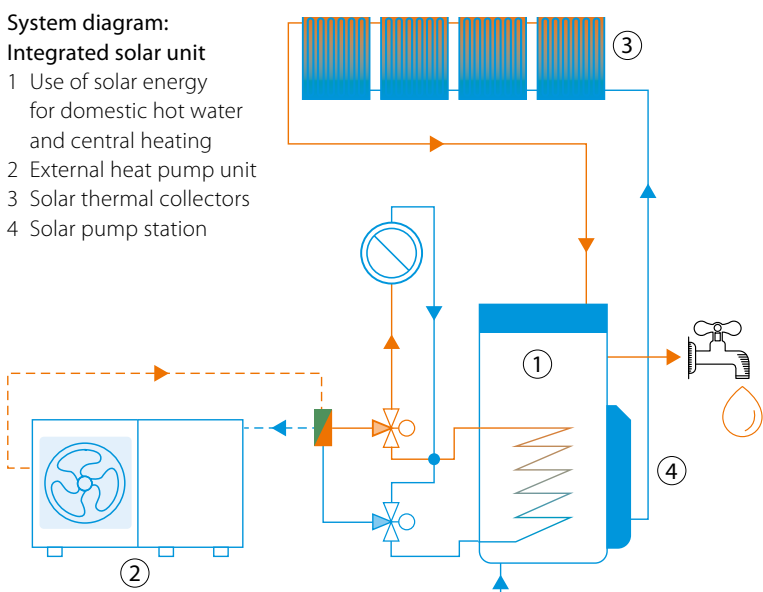
- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

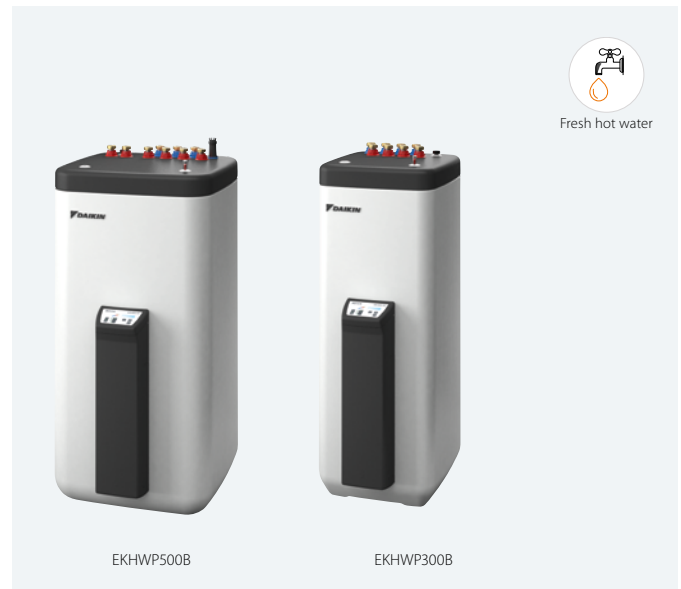
- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Thermal store

Plastic domestic hot water tank with solar support

- Tank designed for connection with pressurised thermal solar system
- Tank designed for connection with drainback thermal solar system
- Available in 300 and 500 liters
- Large hot water storage tank to provide domestic hot water at any time
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Space heating support possible (500 L tank only)



EKHWP-B



EKHWP-PB

Accessory				EKHWP	300B	500B	300PB	500PB	54419B	
Casing	Colour			Traffic white (RAL9016)/Dark grey (RAL7011)						
	Material			Impact resistant polypropylene						
Dimensions	Unit	Width	mm	595	790	595	790			
		Depth	mm	615	790	615	790			
		Height	mm	1,646	1,658	1,646	1,658			
Weight	Unit	Empty	kg	53	76	56	82	71		
 Tank	Water volume			L	294	477	294	477		
	Material			Polypropylene						
	Maximum water temperature			°C	85					
	Insulation	Heat loss	kWh/24h	1.50	1.70	1.50	1.70			
	Energy efficiency class									
	Standing heat loss			W	64	72	64	72		
	Storage volume			L	290	393	290	393		
Heat exchanger	Domestic hot water	Quantity			1					
		Tube material			Stainless steel (DIN 1.4404)					
		Face area	m²	5.60	5.80	5.60	5.90	5.80		
		Internal coil volume	L	27.80	28.90	27.80	29	28.90		
		Operating pressure	bar	10						
	Charging	Quantity			1					
		Tube material			Stainless steel (DIN 1.4404)					
		Face area	m²	2.66	3.70	2.66	3.70	1.95		
		Internal coil volume	L	12.90	18.10	12.90	18.10	10		
		Operating pressure	bar	6						
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)		
		Face area	m²	-	0.76	-	0.76			
		Internal coil volume	L	-	3.90	-	3.90			
		Operating pressure	bar	-	3	-	3			

Domestic hot water tank

Stainless steel domestic hot water tank

- EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres
- Stainless steel domestic hot water tank



85 °C



EKHWSU-D3V3



EKHWS-P-D3V3



EKHWS-D3V3

Accessory				EKHWS(P)(U)	150D3V3	180D3V3	200D3V3	250D3V3	300D3V3
Casing	Colour				Neutral white				
	Material				Epoxy coated steel/Epoxy-coated mild steel				
Dimensions	Unit	Height	Tank	mm	1,000	1,164	1,264	1,535	1,745
Weight	Unit	Empty		kg	45	50	53	58	63
	Water volume				145	174	192	242	292
	Material				Stainless steel (EN 1.4521)				
	Maximum water temperature			°C	75				
	Insulation	Heat loss		kWh/24h	1.10	1.20	1.30	1.40	1.60
	Energy efficiency class								
	Standing heat loss			W	45	50	55	60	68
	Storage volume			L	145	174	192	242	292
Heat exchanger	Domestic hot water	Quantity				1			
		Tube material				Stainless steel (EN 1.4521)			
		Face area		m²	1,050	1,400	1,800		
		Internal coil volume		L	4.90	6.50	8.20		
		Operating pressure		bar	10				
Booster heater	Capacity				3				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230				



Controllers

▪ Wired remote controller	240
▪ Individual room controllers	242
▪ Onecta App	246

Wired remote control

With Daikin controllers, you're in full control of your Daikin heat pump. The wired controller range features easy-to-use thermostats to control the temperature of different rooms. The intuitive Daikin app offers even more features to help schedule and manage the energy consumption of your units.

User-friendly
wired remote
controller with
premium design

Wired remote controller
Madoka



Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDAK7

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Three colours to match any interior
- Compact: measures only 85 x 85 mm



White
RAL9003 (glossy)
BRC1HHDAW7

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.



Silver
RAL 9006 (metallic)
BRC1HHDA57

Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.



reddot award 2018
winner



A new generation of user interfaces: redesigned and intuitive

Intuitive control with a premium design

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large, easy-to-read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design

Whatever your interior design, Madoka will fit in. Silver will stand out in any home decor, while Black is a perfect match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

BRC1HHDW/S/K(7)			
Casing	Colour		Black/White/Silver
	Operation LED	Colour	Blue status indicator
Dimensions	Unit	Height	mm
		Width	mm
		Depth	mm
	Packed unit	Height	mm
		Width	mm
		Depth	mm
Weight	Unit	kg	0.11
	Packed unit	kg	0.317
Packing	Material		Cardboard
	Weight	kg	0.085
LCD	Type		100x150 dots
	Dimensions	Height	mm
		Width	mm
	Back light	Colour	White
Ambient temperature	Operation	Min.	°C
		Max.	°C
	Storage	Min.	°C
		Max.	°C
	Relative humidity		%
	Backup for power failure		Yes (the clock wil keep functioning for period not exceeding 48 hours)
Control systems	Class of temperature control		VI
	Contribution to seasonal space heating efficiency	%	4
Wiring connections	Type of wires		Sheathed vinyl cord or cable
	Size	mm ²	0.75 - 1.25
	For connection with indoor	Quantity	2
		Remark	P1-P2 wired connection from indoor unit
	Wiring length	Max.	m
			500

Combination table



BRC1HHDW7/S7/K7			
Daikin Altherma 4 H (F/W)	4-6-7-8-10-12-14 kW	EPSK(S)-AV3 + EPV/BX-A	•
Daikin Altherma 4 H ECH ₂ O	4-6-7-8-10-12-14 kW	EPSK(S)-AV3+EPSX-A	•
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D7 + ETV/B*-E7	•
Daikin Altherma 3 H HT ECH ₂ O	14-16-18 kW	EPRA14-18E + ETS*-E7	•
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•
Daikin Altherma 3 H MT (ECH ₂ O)	8-10-12 kW	EPRA08-12E + ETS*-E	•
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E* + EHV/B*-E	•
Daikin Altherma 3 R ECH ₂ O	4-6-8kW	ERGA-E* + EHS*-E	•
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D* + EBV/B*-D	•
Daikin Altherma 3 R ECH ₂ O	11-14-16 kW	ERLA-D* + EBS*-D	•
Daikin Altherma 3 M	4-6-8-9-11-14-16 kW	E(B/D)LA-E/D*	•
Daikin Altherma H Hybrid	4 kW	EJHA-AV3	
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A	

Daikin Home Controls

Wireless room by room control



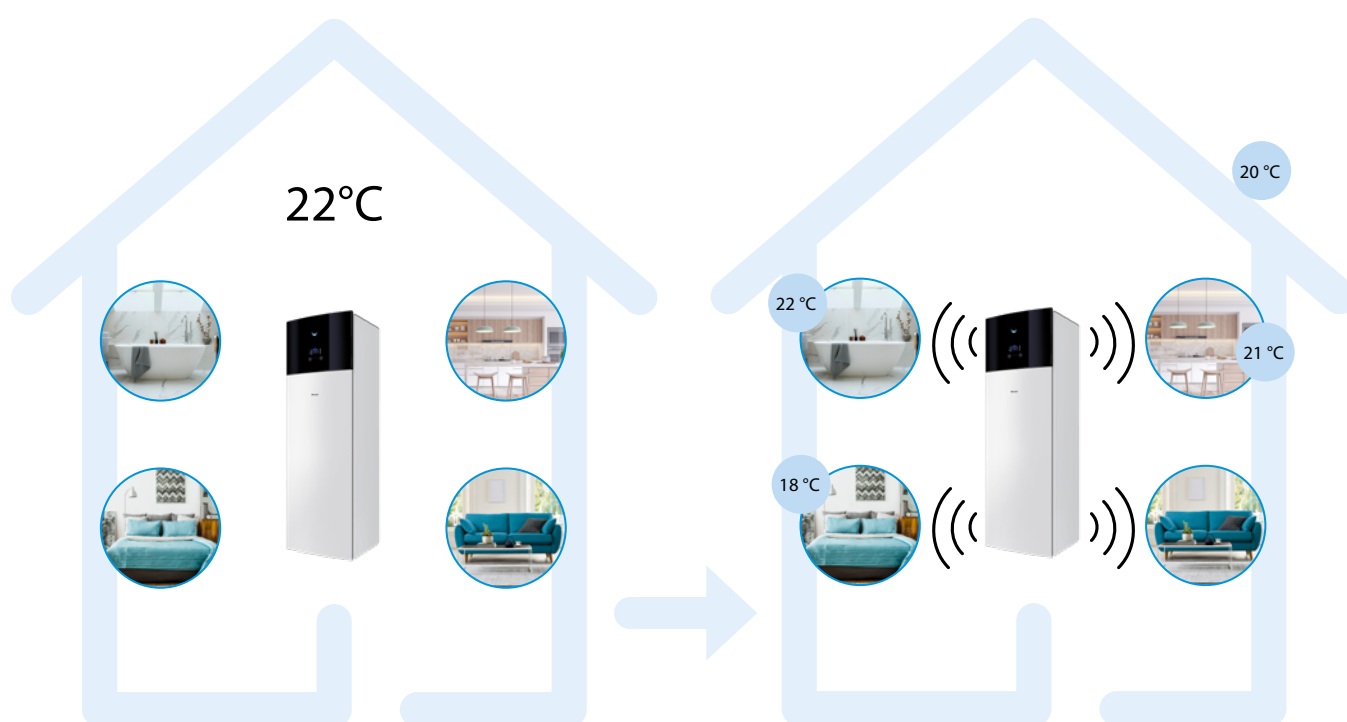
Personalize your heating schedule

Create your own climate with Home Controls that can be adjusted to your lifestyle.

- Combine up to 80 Daikin Home Controls accessories in as many as 25 rooms on the Daikin Altherma. All accessories added to the same room will be automatically grouped together and follow the same schedule.
- Change the device name and room name anytime you want.
- Create schedules for heating (in rooms with radiators or underfloor heating) and cooling (in rooms with underfloor cooling).
- Use boost function to heat up rooms quickly.
- Invite other members of your household to control their comfort with the Onecta app.

Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



✓ Personalize your heating schedule

A traditional heating system allows you to control the temperature in only one room. With Daikin Home Controls you can choose the perfect temperature for each area separately.

✓ Wireless control for a better flexibility

Get rid of cables and have control from anywhere you are, thanks to the Onecta app.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can program or control each room temperature from the intuitive app.

Jump into a fully connected system!

Portfolio overview



The access point connects all Daikin Home Controls accessories with the Onecta Cloud.

- The radiator thermostats open or close the radiator valves of each room to control its heating demand
- Easy to mount without having to drain any water (suitable for radiators with a thread size of M30 x 1.5)

Access Point
EKRACPUR1PA (EU)
EKRACPUR1PU (UK)



TRV



TRV



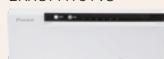
Radiator Thermostat
EKRRVATR2BA (EU)
EKRRVATU1BA (UK)

The multi (for reversible systems) or basic (for heating only systems) IO box connects your Daikin Home Controls ecosystem to the Daikin Altherma.



IO Box
EKRSIBDI1V3(H/O)
EKRMIBEV1V3

Floor Heating Controller
EKRUFT61V3



Actuator
EKWCVATR1V3



Measure and control the room temperature in combination with radiator thermostats or the floor heating controller



Room Sensor
EKRENDI1BA



Room Thermostat
EKRCTRD12BA
EKRCTRD13BA



The floor heating controllers in combination with the actuators enable room by room control for rooms heated and/or cooled by underfloor heating.



Room Thermostat:
EKRCTRD12BA



Room sensor:
EKRENDI1BA



Room thermostat 2:
EKRCTRD13BA



Homematic IP pluggable switch and door/window contacts can be used but will not be rebranded or sold by Daikin



Access point:
EKRACPUR1PA (EU)
EKRACPUR1PU (UK)



NEW
EKRACPUR2PA (EU) - Available from Feb'26
EKRACPUR2PU (UK) - Available from May'26



Radiator thermostat:
EKRRVATR2BA (EU)
EKRRVATU1BA (UK)



Floor Heating Controller:
EKRUFT61V3

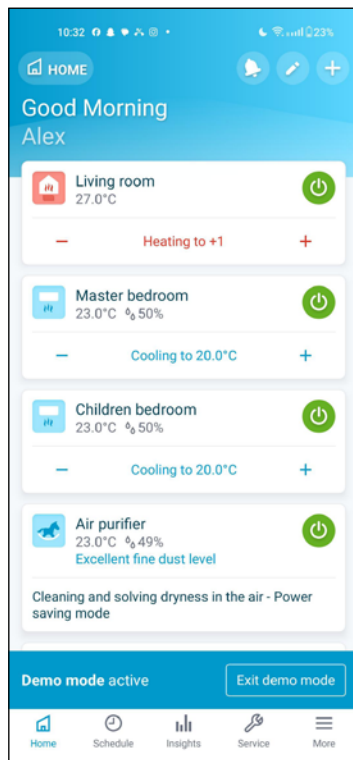


Actuator:
EKWCVATR1V3

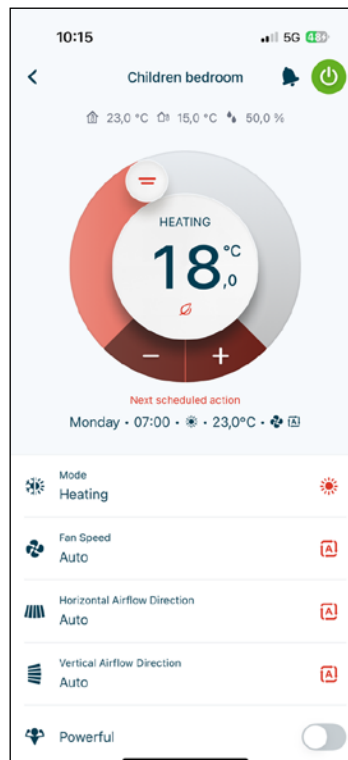


Dehumidifier connection PCB
(only Daikin Italy):
EKRK

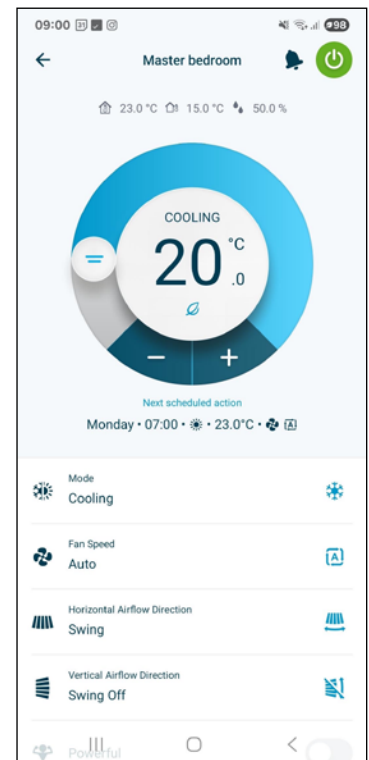
Once all thermostats and sensors are installed, the Onecta app provides you an overview of all room temperatures. You can manage them individually, at home or remotely.



Room overview



Individual room overview



Combination table

		Outdoor unit	Indoor unit	
Air-to-water heat pump	Daikin Altherma 4 H 06-08-10-12-14 kW	EPSK-A	Floor standing	EPVX/Z
			ECH ₂ O	EPSX(B)
			Wall mounted	EPBX
	Daikin Altherma 3 H MT 08-10-12 kW	EPRA-EV3/W1	Floor standing	ETVH/X/Z16-E7
			ECH ₂ O	ETSH(B)/X(B)16-E7
			Wall mounted	ETBH/X16-E7
	Daikin Altherma 3 H HT 14-16-18 kW	EPRA-DV3/W1(7)	Floor standing	ETVH/X/Z12-E
			ECH ₂ O	ETSH(B)/X(B)12-P-E
			Wall mounted	ETBH/X12-E
	Daikin Altherma 3 R 04-06-08 kW	ERGA-EV(7)(H)(A)	Floor standing	EHVH/X/Z-E
			ECH ₂ O	ESHX(X)(B)-E
			Wall mounted	EBBH/X-E
Hybrid heat pump	Daikin Altherma 3 R 11-14-16 kW	ERLA-DV3/W1	Floor standing	EBVH/X/Z-D
			ECH ₂ O	EBSH(B)/X(B)-D
			Wall mounted	EBBH/EBBX-D
	Daikin Altherma 3 R MT 08-10-12 kW	ERRA-EV3/W1	Floor standing	ELVH/X/Z-E
			ECH ₂ O	ELSH(B)/X(B)-E
			Wall mounted	ELBH/X-E
	Daikin Altherma 3 M 09-11-14-16 kW	EBLA-D EDLA-D		
	Daikin Altherma 3 M 04-06-08 kW	EBLA-E EDLA-E		
	Daikin Altherma 3 R	ERLA03DV	Floor standing	EHFH/Z03-S18D3V
Ground and water source heat pump	Daikin Altherma R Hybrid	EVLQ-CV3	Wall mounted	EHYH8H-AV32
				EHYKOMB33AA2/3
	Daikin Altherma H Hybrid	EJHA-AV3	Boiler	EHY2KOMB28/32A A
Ground and water source heat pump	Daikin Altherma 3 GEO			EGSAH/X-(U)E9W
				EGSAH/X-(U)D9W
	Daikin Altherma 3 WS			EWSAH/X-(U)E3V
				EWSAH/X-(U)D9W



Onecta App

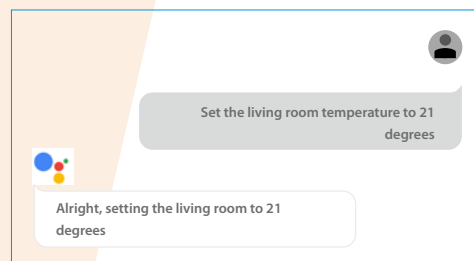
Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.

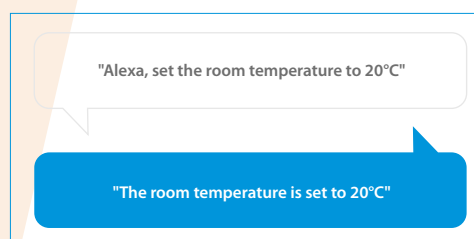


onecta Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before. Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

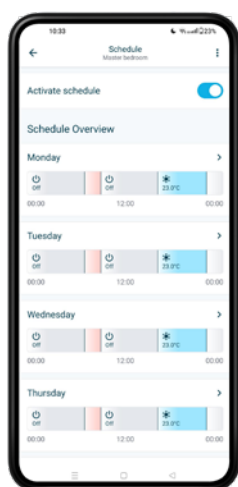


Example of using the voice control via Google Assistant



Scan the QR code to
download the app now

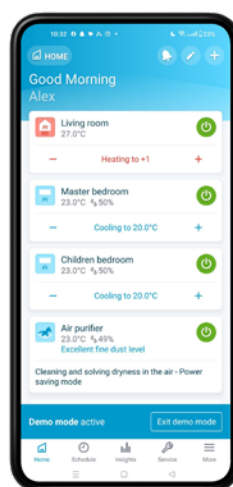




Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- ☒ Schedule room temperature and operation mode
- ☒ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☒ Change room and domestic hot water temperature
- ☒ Turn on powerful mode to boost hot water production

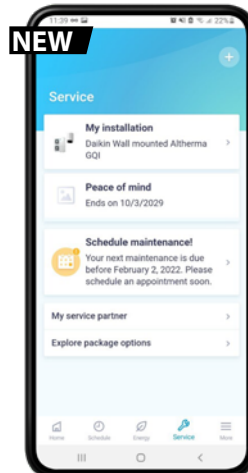


Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☒ Check the status of the heating system
- ☒ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode. The app functionality is only available if both the Daikin system and the app have a reliable internet connection.



Service - Warranty registration

- Register your unit and enjoy the benefits of Stand By Me (*extended warranty, Worry-free maintenance, Convenient follow-up*)
- Consult service partner information
- Purchase an extended warranty or get a check-up for your units





Heating & cooling emitters

▪ Daikin Altherma UFH	250
▪ Daikin Altherma HPC floor standing	256
▪ Daikin Altherma HPC wall mounted	258
▪ Daikin Altherma HPC concealed	259

Daikin Altherma Underfloor heating

Your comfortable climate, day after day

Desired temperature at any time of year

Our heating systems make for a comfortable home. Heat generators such as an air-water heat pump use regenerative environmental energy as a heat source and so reduce energy consumption and keep costs to a minimum. But what about air conditioning of the rooms in summer? Very few residential buildings have air conditioning for a pleasant and comfortable temperature even on hot summer days and nights. That's changing now. With a heating system that not only provides comfortable warmth in winter, but also gentle cooling in summer throughout the entire building. And all this with very economical operation and no additional purchase costs.

Regenerative heating in winter, gentle cooling in summer

The Daikin heat pump really comes into its own when combined with a Daikin underfloor heating system. For cooling, the heat pump process is simply reversed, i.e. heat is extracted from the building and released into the environment. The room is cooled mainly by the underfloor heating system. The large surface makes for a very pleasant and draught-free room climate. Invisible and noiseless, even in cooling mode.

Clever combination: Underfloor heating and convector fan

A convector fan is used in rooms without underfloor heating to handle the dual functions of heating and cooling. It is the ideal complement to the Daikin heat pump if not all rooms have underfloor heating. Its very quiet operation means it can even be used in bedrooms. The integrated electronic room temperature control unit ensures an optimal climate in every room.

Maximum comfort and maximum savings – all-inclusive

With the existing or optionally available cooling function of the Daikin air-water heat pump, you can enjoy both heating and cooling in rooms with underfloor heating without any further outlay or investment. The operating costs for this additional comfort are also low.

Daikin Altherma ST solar thermal system: Minimizes energy costs

The integration of a solar system, which additionally contributes heating in winter from free solar energy, offers maximum living comfort with minimal energy costs.

Areas of application:	System temperatures 35 °C - 45 °C			System temperatures 55 °C - 70 °C		Option
	Monopex	Monopex cut	Monopex Industrial	System 70	System 70 Industrial	Heat pump convector
New building	•			(*)*		•
Modernisation with additional height						•
Modernisation without additional height		•				•
Underfloor heating combined with radiator				•	•	•
Heating and cooling (in combination with heat pump)	•	•	•			•
Wall heating						
Large areas			•		•	
Heat generators						
Boilers	•	•	•	•	•	•
Heat pump (low-temperature heating)	•	•	•			•

* If system temperature of the heat generator requires 55 °C - 70 °C in the flow line



Monopex

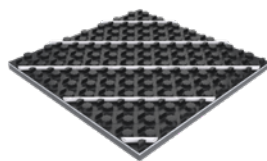
The underfloor heating for low system temperatures. Ideal in combination with heat pumps.

- Monopex 14 for floor structures with system or tacker panel, wall heating and the Daikin milling system
- Monopex 16 (for France) for floor installation with system or tacker panels
- Monopex 17 for floor installation with system or tacker panels
- Monopex 20 for commercial and industrial surfaces



Clip rail for wall heating

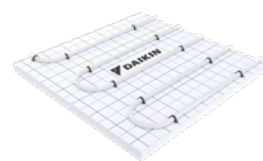
Clip rail combined with Monopex 14 for wall heating. Systems: Monopex 14



Protect system plate

The Protect system plate consists of a nub plate with an additional surface protection layer made of deep-drawn polystyrene to protect the heating pipe during installation.

Systems: Monopex



Tacker system

The Daikin tacker panel for underfloor heating pipes is available as a folding panel and roller track with laminated, high-strength film, and is ideal for laying heating pipes over large surfaces (e.g. commercial buildings).

Systems: Monopex



RMV heating circuit distributor

Heating circuit manifold in stainless steel. For all Daikin underfloor heating and radiator connection systems.



RMX heating circuit manifold

Heating circuit manifold made of heat-stabilised, glass fiber reinforced polyamide. For all Daikin underfloor heating and radiator connection systems.



Room controller

The room thermostat ensures convenient and individual control of the room temperature and impresses with its flat design and construction. Versions:

Wireless version

- Wireless without battery

Wired version

- LED display: Heating/cooling (red/blue)
- Read all status messages



Basic module with integrated power pack and clock module

- Basic module with integrated power pack to supply the control unit (wireless and wired) plus optional clock module
- Optimal interface to Daikin heat generators



Clock module to supplement basic module:

- 2 reduction times for heating circuits
- Pump stopping time
- Removable from the basic module for easy operation

Segmentation 1	Segmentation 2	Segmentation 3	Description	Product Name	Material Name
Piping					
UFH heating pipes	PEHD-Xc	Single pipe	MONOPEX® ø14 X 2 DD - 120	EMOPX14120AA	EMOPX14120A
			MONOPEX® ø14 X 2 DD - 240	EMOPX14240AA	EMOPX14240A
			MONOPEX® ø14 X 2 DD - 600	EMOPX14600AA	EMOPX14600A
			MONOPEX® ø17 X 2 DD - 120	EMOPX17120AA	EMOPX17120A
			MONOPEX® ø17 X 2 DD - 240	EMOPX17240AA	EMOPX17240A
			MONOPEX® ø17 X 2 DD - 600	EMOPX17600AA	EMOPX17600A
			MONOPEX ø20 X 2 DD - 400	EMOPX20400AA	EMOPX20400A
Floorplates					
Wet system Floorplates	Napplates	Diagonal With insulation	Protect Integral 27-2	EPROTECTIN272AA	EPROTECTIN272A
			Protect 11	EPROTECT11AA	EPROTECT11A
	Tacker	Tacker System	Tackerplate	ETACKERPLATEAA	ETACKERPLATEA
			Tackerplate roll	ETACKERPLATERAA	ETACKERPLATERA
Pipe accessories	Protection Pipe		Protection pipe 16/21	EPROTEPIP1621AA	EPROTEPIP1621A
			Protection pipe 19/25	EPROTEPIP1925AA	EPROTEPIP1925A
			Protection pipe 23/28	EPROTEPIP2328AA	EPROTEPIP2328A
Wall/side-strips					
Installation accessory	Plate accessories	Wall/side-strips	Side-strip for screed floor RDS	ESIDESTRIPRDSAA	ESIDESTRIPRDSA
			Closing cord floating screed floor RDS (in knob plate)	ESEALLINERDSAA	ESEALLINERDSA
			Side-strip for concrete floor RDS-I	ESIDESTRPRDSIAA	ESIDESTRPRDSIA
			Extension joint profile - carton	EXPANSIOJOICAA	EXPANSIOJOICA
			Extension joint profile - PP or PE	EXPANSIOJOIPEAA	EXPANSIOJOIPEA
	Screed Material				
	Screed		Screed Estrolith H2000	ESCREDEST2000AA	ESCREDEST2000A
			Screed Temporex	ESCREDEMPREXAA	ESCREDEMPREXA
			Screed Estrotherm S	ESCREDESTROSAA	ESCREDESTROSA
	Plate accessories	Primer	Surface primer 3.5kg	ESURFPRIMER35AA	ESCREDESTROSA
			Surface primer 15kg	ESURFPRIMER15AA	ESURFPRIMER35A
		In pipe protection fluid	Freeze and corrosion protection	EFREZCOPROTECAA	EFREZCOPROTECA
	Accessories				
	Tacker accessories	Tacker installation	System tackler STAC (tacker gun)	ESYSTACERSTACAA	ESYSTACERSTACA
		Tacker nail	Tacker nail TN40	ETACKERNAIL40AA	ETACKERNAIL40A
			Tacker nail TN60	ETACKERNAIL60AA	ETACKERNAIL60A
		Tape	Tape KB50	ETAPEKB50AA	ETAPEKB50A
	Wall system accessories	Cliprail	Cliprail	ECLIPRAILAA	ECLIPRAILA
		Cliprail accessories	Cliprail nail	ECLIPRAILNAILAA	ECLIPRAILNAILA
			Cliprail plug	ECLIPRAILPLUGAA	ECLIPRAILPLUGA
		Pipe clips	Pipe clips (Monopex 17/20)	EPIPECLIPMOPXAA	EPIPECLIPMOPXA
			Pipe clips (DUO25)	EPIPECLIPDUOAA	EPIPECLIPDUOA
		Manual pipe handling	Pipe fixation for steel frame	EPIPEFIXSTEELAA	EPIPEFIXSTEELA
			Pipe damage recoverator	EPIPEDAMGERECAA	EPIPEDAMGERECA
	Combined pipe cutter and stripping pilers RAZ1		EIPICUTSTRAZ1AA	EIPICUTSTRAZ1A	
	Accessory	Pipe accessories	Pipe cutter	EPIPECUTTERAA	EPIPECUTTERA
			PE Foil	PE Foil, 0.2 mm, 5 cm Raster	EPEFOILRASTERA
Pipe rolling machine					
Pipe roll out			Pipe rolling machine 1 (Service)	915038	915038
			Pipe rolling machine 2 (Service)	915039	915039
			Pipe rolling machine 3 (Service)	915040	915040
Pipe bend					
Pipe bend			Pipe bend for 14-18	EPIPEBEND1418AA	EPIPEBEND1418A
			Pipe bend for 20-22	EPIPEBEND2022AA	EPIPEBEND2022A

UFH collector						
Collector	RMV/RMX collector	RMV collector (Stainless steel)	RMV 2	ECOLLECTRMV2AA	ECOLLECTRMV2A	
			RMV 3	ECOLLECTRMV3AA	ECOLLECTRMV3A	
			RMV 4	ECOLLECTRMV4AA	ECOLLECTRMV4A	
			RMV 5	ECOLLECTRMV5AA	ECOLLECTRMV5A	
			RMV 6	ECOLLECTRMV6AA	ECOLLECTRMV6A	
			RMV 7	ECOLLECTRMV7AA	ECOLLECTRMV7A	
			RMV 8	ECOLLECTRMV8AA	ECOLLECTRMV8A	
			RMV 9	ECOLLECTRMV9AA	ECOLLECTRMV9A	
			RMV 10	ECOLLECTRMV10AA	ECOLLECTRMV10A	
			RMV 11	ECOLLECTRMV11AA	ECOLLECTRMV11A	
			RMV 12	ECOLLECTRMV12AA	ECOLLECTRMV12A	
			RMX Collector (Plastic)	RMX 2	ECOLLECTRMX2AA	ECOLLECTRMX2A
		RMX 3		ECOLLECTRMX3AA	ECOLLECTRMX3A	
		RMX 4		ECOLLECTRMX4AA	ECOLLECTRMX4A	
		RMX 5		ECOLLECTRMX5AA	ECOLLECTRMX5A	
		RMX 6		ECOLLECTRMX6AA	ECOLLECTRMX6A	
		RMX 7		ECOLLECTRMX7AA	ECOLLECTRMX7A	
		RMX 8		ECOLLECTRMX8AA	ECOLLECTRMX8A	
		RMX 9		ECOLLECTRMX9AA	ECOLLECTRMX9A	
		RMX 10		ECOLLECTRMX10AA	ECOLLECTRMX10A	
		RMX 11		ECOLLECTRMX11AA	ECOLLECTRMX11A	
		RMX 12		ECOLLECTRMX12AA	ECOLLECTRMX12A	
		UFH collector Accessories				
		Collector acc	Extension 1 zone	EXTENSIONZONEAA	EXTENSIONZONEA	
			Flow sensor DMR RMX	EFLOSENDRMRMXAA	EFLOSENDRMRMXA	
			COUPLING NIPPLE ¾" EUROCON SKU	ECLUTCHNIPSKUAA	ECLUTCHNIPSKU	
			Shut off valve	ESHUTOFVALVEAA	ESHUTOFVALVEA	
			AlPex coupling	EAIPEXCOUPLINAA	EAIPEXCOUPLINA	
		Set ring	Set ring DUO 17	ESERIMOPXDU17AA	ESERIMOPXDU17A	
			Set ring Monopex 14 x 2.2	ESERIMOPX14AA	ESERIMOPX14A	
	Set ring Monopex 16 x 2.2		ESERIMOPX1622AA	ESERIMOPX1622A		
	Set ring Monopex 17		ESERIMOPX17AA	ESERIMOPX17A		
	Set ring DUO 25		ESERIMOPXDU25AA	ESERIMOPXDU25A		
	Set ring Monopex 16 x 1.5		ESERIMOPX1615AA	ESERIMOPX1615A		
	Set ring Monopex 20		ESERIMOPX20AA	ESERIMOPX20A		
	Collector acc	Connection set ASH1	ECONECSETASH1AA	ECONECSETASH1A		
	HKV	Set ring	Shut of for set ring	ESETRINGSHTOFAA	ESETRINGSHTOFA	
Calorimeter		Calorimeter	ECALORIMETERAA	ECALORIMETERA		
		Combi box	ECOMBIBOXAA	ECOMBIBOXA		
Wall Box						
	RMV/RMX	In wall collector box	In wall until RMX4/RMV3 (HKV compatible)	EIWRX4RV3AA	EIWRX4RV3A	
			In wall until RMX7/RMV6 (HKV compatible)	EIWRX7RV6AA	EIWRX7RV6A	
			In wall until RMX10/RMV9 (HKV comptailable)	EIWRX10RV9AA	EIWRX10RV9A	
			In wall until RMX14/RMV13 (HKV compatible)	EIWRX14RV13AA	EIWRX14RV13A	
			In wall until RMX14/RMV13 + calorimeter (HKV compatible)	EIWRX14RV13CLAA	EIWRX14RV13CLA	
	HKV/RMX/RMV	On wall collector box	On-wall until HKV7/RMX7/RMV6	EOWHV7RX7RV6AA	EOWHV7RX7RV6A	
			On-wall until HKV10/RMX10/RMV9	EOWH10RX10R9AA	EOWH10RX10R9A	
			On-wall until HKV14/RMX14/RMV12	EOWH14RX14R12AA	EOWH14RX14R12A	
On-wall until HKV14/RMX14/RMV12 + calorimeter			EOWH14R14R12CAA	EOWH14R14R12CA		
Console						
		Fixation console	Fixation console STK 40 for WEK40	EFCSTK40WEK40AA	EFCSTK40WEK40A	
			Fixation console STK 45 for WEK45	EFCSTK45WEK45AA	EFCSTK45WEK45A	
Controllers						
Controllers		Wired controllers	Base module UFH-BM	EKW175137	EKW175137	
			Clock module UFH-UM	EKW175138	EKW175138	
			Controller module, wire UFH-RMD2	EKW175141	EKW175141	
			Controller module, wire UFH-RMD6	EKW175140	EKW175140	
			Room controller, wire UFH-RD	EKW175139	EKW175139	
		Wireless controllers	Rocon UFH wireless UFH-RT	175142	175142	
			Base station 6 channels wireless UFH-RMF6A	175143	175143	
			2 channels extra wireless UFH-RMF2A	175144	175144	
		Actuators	Valve actuator RMV/RMX/HKV	EKWCVATR1V3	EKWCVATR1V3	
		Base station/Thermostat	Base station 10 zones	EKWUFHTA1V3	EKWUFHTA1V3	
			Digital thermostat 230V	EKWCTRD1V3	EKWCTRD1V3	
			Analog thermostat 230V	EKWCTRAN1V3	EKWCTRAN1V3	

Heat pump convectors

Daikin Altherma HPC

What is a heat pump convector?

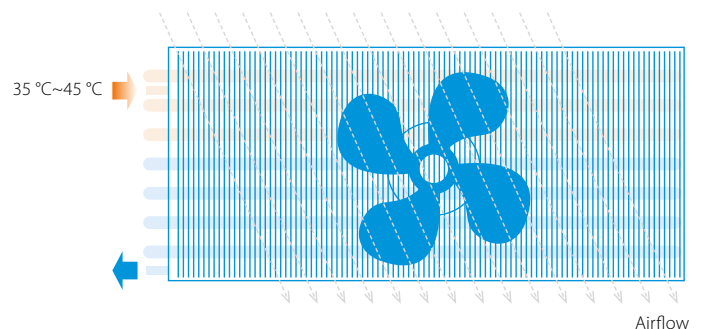
Daikin Altherma HPC provides both cooling and heating. The system is compatible with underfloor piping and radiators in a multi-zoning installation, or can replace radiators in combination with low temperature heat pumps. The unit is suited for use in bedrooms and living rooms thanks to its silent operation.

How does it work?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, the convection process is faster because there is a small fan behind it, speeding up the heating cycle.

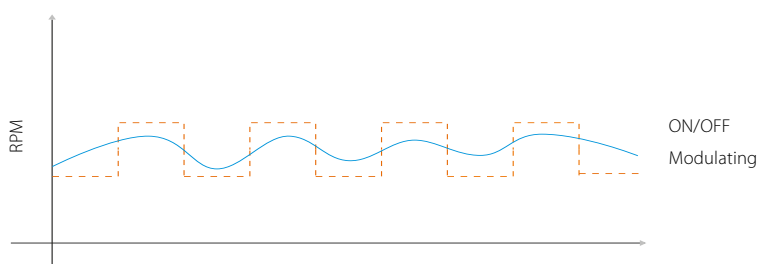
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures inside the radiator, which in the long run contributes to direct energy savings for end users.

- Optimized for newly built houses.
- Can be set at low water temperature (35 °C) which makes it ideal for heat pump applications.



Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.

Natural symbiosis with heat pumps

By running on low temperature, Daikin Altherma heat pump convectors naturally fit with Daikin heat pumps. The heat pump convector range is made of 3 models:

- 1 Floor standing model with indoor air quality control (optional)
- 2 Wall mounted model with remote control
- 3 Concealed model hidden in the ceiling or wall



Daikin Altherma HPC Floor standing model



The floor standing heat pump convector impresses with its low sound operations, and its slim design that received the RedDot Award 2020. Next to heating and cooling, the unit can also provide indoor air quality control.

Why Indoor Air Quality Matters

Indoor Air Quality (IAQ) refers to the air quality in a building or structure, breathed in every day by the building's occupants.

When planning new residential buildings, schools, offices or light commercial buildings, many things must be considered. Besides structural factors, there are also the topics of heating, cooling and something often neglected: indoor air quality.

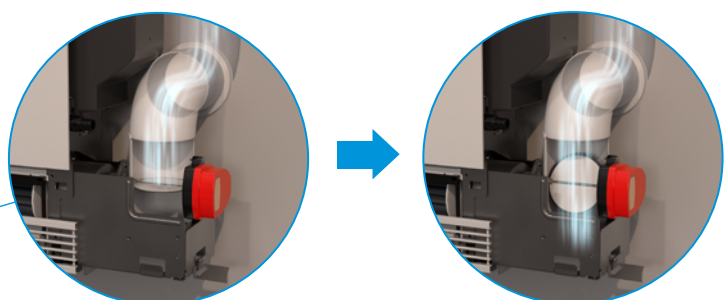
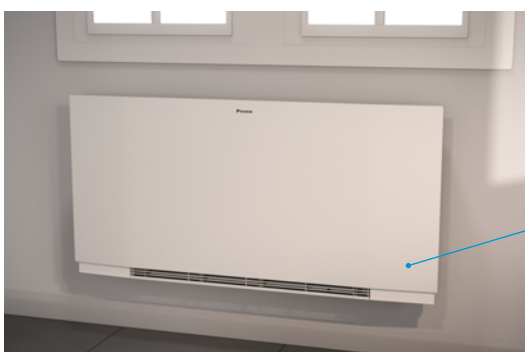
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

- 90% of our lives is spent indoors
- Indoor air quality can be 2 to 5 times worse than outdoor air quality because of pollutants, such as pollen, bacteria, etc.



How does Daikin Altherma HPC ensure a healthy and comfortable indoor air quality?

When a pollutant level of indoor air is reached, the IAQ sensor opens a damper, which allows fresh air to come in. The incoming fresh air is immediately heated or cooled (depending on the demand) by the heat pump convector. In this way the indoor air remains of good quality while comfort is ensured.

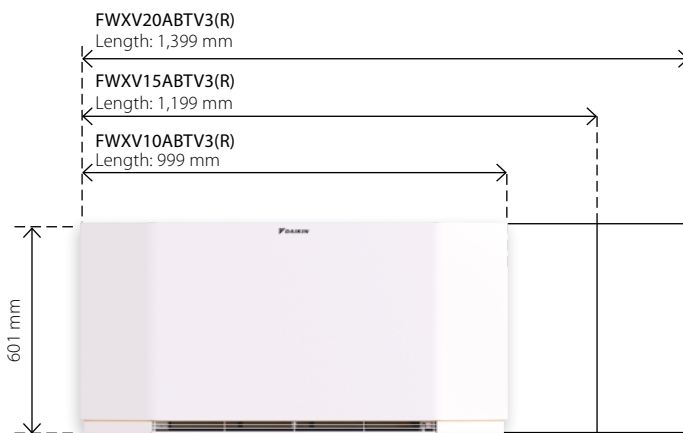




Slim design

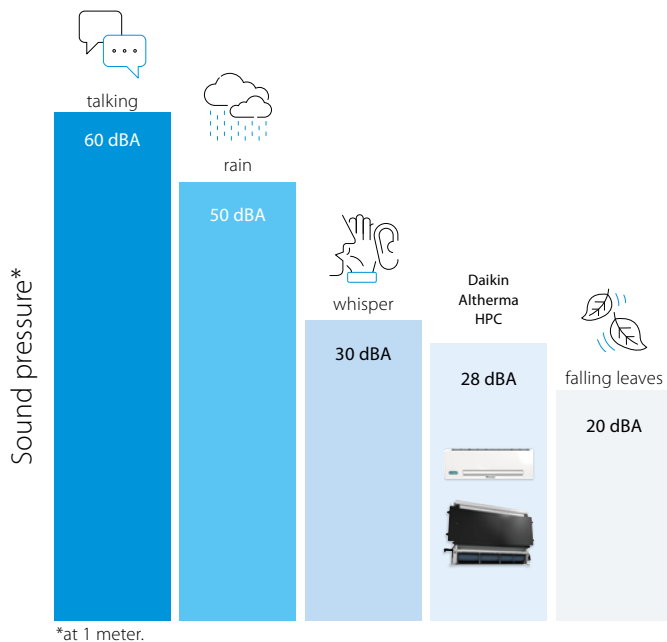


The floor standing Daikin Altherma HPC has a depth of only 135 mm that fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. For the wall mounted and concealed units, the sound pressure measures 25dB(A) at 1m when the fan is on low-speed setting. Even lower sound pressure in super-silent mode (night mode).



Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).



Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- Built-in controller
- Fully modulating
- Multicolor display

EKRTCTRL2



- Built-in controller
- 4 speed settings

EKWHCTRL1



- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

EKPCBO



- Built-in controller
- ON/OFF
- In combination with external thermostats

EKWHCTRL1A



- Wall controller
- Fully modulating
- In combination with EKWHCTRL0
- Includes indoor air quality sensor

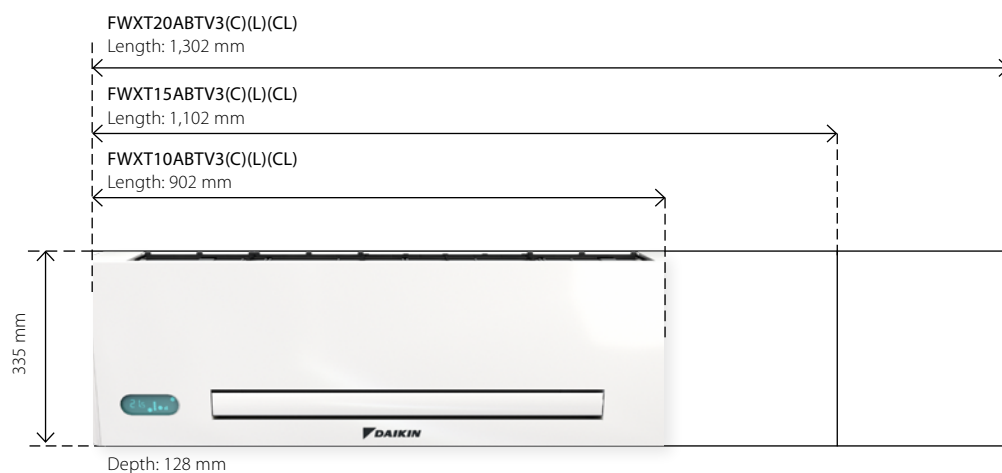


Wall-mounted model

Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Controls

Choice of:

- Fully modulating controller allowing for remote control of the unit.
- Infrared remote controller and on-board touch panel.

EKWHCTRL1



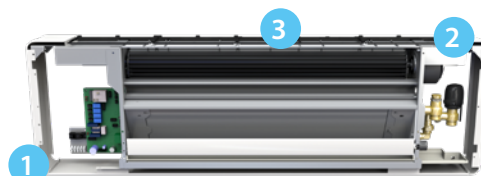
- Wall controller
- Fully modulating
- For models FWXT-ABTV3(L)

Infrared remote controller



- Remote
- Fully modulating
- For models FWXT-ABTV3(C)(L)

Compactness



1

Slim depth

The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.

2

More space for valves

Ease of installation: the space for hydraulic valves is wide and easily accessible.

3

Modulated airflow

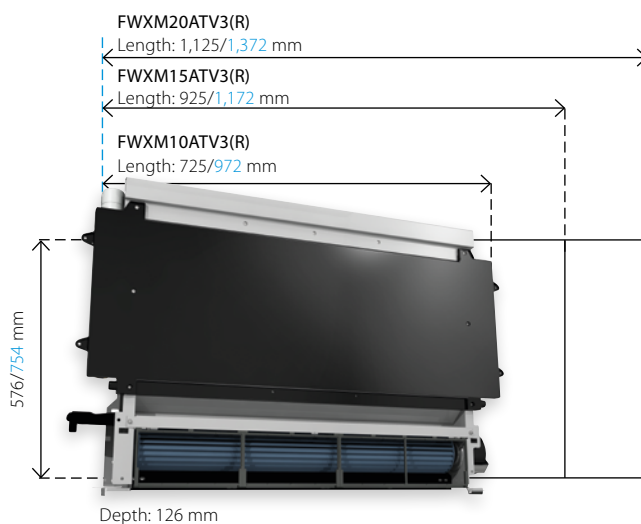
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound.



Concealed model

Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or ceiling for visual comfort while preserving its unique heating and cooling capabilities.

Slim design



Blue dimensions are for the front cover.

Controls

EKWHCTRL1

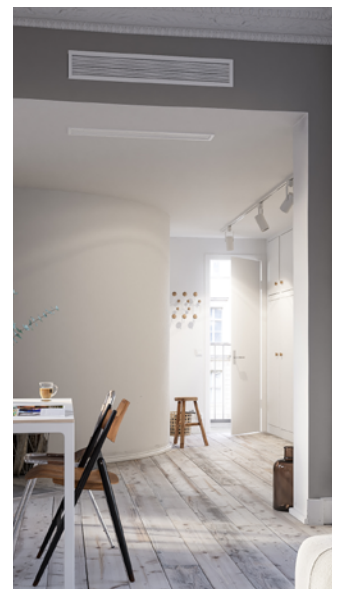


- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

- Horizontal cover panel and vertical grille for air outlet
- Horizontal intake grille and vertical grille for air outlet
- Horizontal intake and outlet grilles



Floor standing Heat pump convector

The optimised cooling and heating combination of efficiency, comfort and flexibility

- High heating/cooling capacity through forced convection
- Sound pressure 25 dB(A) at 1m
- Pipe connection on the left hand side
- Pipe connection on the right hand side
- Optimized for combination with heat pumps, flow T (°C) down to 35 °C in heating mode
- Thanks to an optional CO₂ sensor, fresh air is supplied in the room when CO₂ levels are above threshold



FWXV-ABTV3



FWXV-ATV3



FWXV-ATV3R

Indoor Unit				FWXV	10ABTV3	10ABTV3R	15ABTV3	15ABTV3R	20ABTV3	20ABTV3R
Cooling capacity	7/12°C	Min./Med./Max.	kW		0.78/1.11/1.62		1.10/1.65/2.64		1.13/1.98/2.99	
Sensible cooling capacity	7/12°C	Min./Med./Max.	kW		0.58/0.71/1.25		0.82/1.15/1.91		0.85/1.55/2.33	
Heating capacity	45/40°C	Min./Med./Max.	kW		0.87/1.27/1.96		1.12/1.83/2.86		1.11/2.32/3.50	
Power input	Min./Med./Max.		W	6.00/10.00/19	6.00/10.00/19.00		7.00/13.00/25	7.00/13.00/25.00	8.00/15.00/31	8.00/15.00/31.00
Fan speed	Min./Med./Max.		rpm				720.00/1,220.00/1,700.00			
Casing	Material				Sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm		601x999x135		601x1,199x135		601x1,399x135	
	Packed unit	HeightxWidthxDepth	mm		690x1,230x210		690x1,430x210		690x1,630x210	
Weight	Unit		kg		20		23		26	
	Packed unit		kg		21		24		27	
Packing	Material				Carton					
	Weight		kg				1			
Heat exchanger	Quantity						1			
	Internal coil volume			l	0.8		1.1		1.5	
	Charging Operating pressure			bar			10			
Water circuit	Piping connections diameter			in xinch			3/4			
	Piping material				COPPER					
Water circuit - water pressure drop	Heating	45/40°C	Min./Med./Max.	kPa	7.00/8.00/11.00		9.00/14.00/23.00		8.00/15.00/22.00	
	Cooling	7/12°C	Min./Med./Max.	kPa	7.00/8.00/11.00		9.00/14.00/23.00		8.00/15.00/22.00	
Water circuit - water flow rate	Heating	45/40°C	Min./Med./Max.	kg/h	150.00/220.00/340.00		200.00/320.00/500.00		190.00/400.00/610.00	
	Cooling	7/12°C	Min./Med./Max.	kg/h	130.00/190.00/280.00		190.00/280.00/450.00		190.00/340.00/510.00	
Water circuit	Pressure	Heating	Max.	bar			10			
Sound power level	Min./Med./Max.			dBA	40/47/56.0		42/49/57.0		43/50/58.0	
Operation range	Heating	Water side	Min.~Max.	°C			30~85			
	Cooling	Water side	Min.~Max.	°C			5~18			
	Indoor installation	Ambient	Min.~Max.	°CDB			0~45			
Control systems	Infrared remote control						No			
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/230			
Electrical power consumption	Max./Standby			W	19/3		25/4		31/5	
Current	Maximum Cooling/Heating running current			A	0.15/0.15		0.21/0.21		0.27/0.27	

Wall mounted Heat pump convector

The optimised cooling and heating combination of efficiency, comfort and flexibility

- High heating/cooling capacity through forced convection
- Pipe connection on the right and left hand side
- Optimized for combination with heat pumps, flow T (°C) down to 35 °C in heating mode
- Wall mounted indoor unit
- The unit is equipped with a control display that works with an infrared remote controller



FWXT-ATV3



FWXT-ATV3C



FWXT-ATV3L



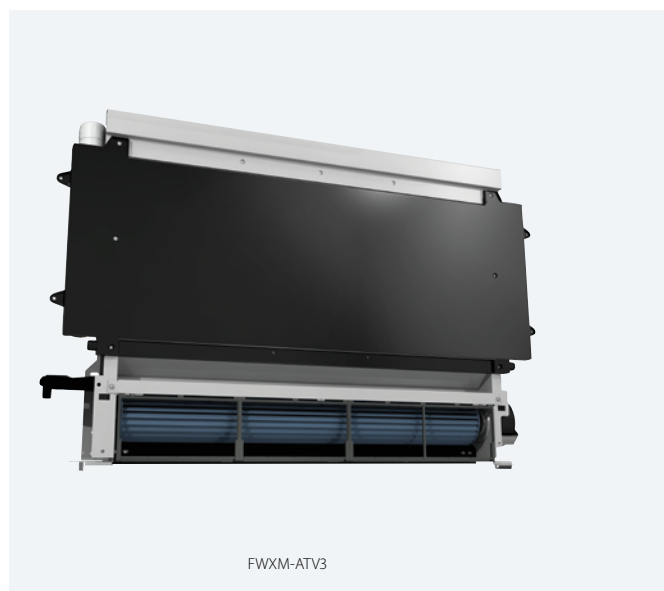
FWXT-ATV3CL

Indoor Unit				FWXT	10ABTV(L)(C)(CL)	15ABTV3(L)(C)(CL)	20ABTV3(L)(C)(CL)
Cooling capacity	7/12°C	Min./Med./Max.		kW	0.49/0.88/1.24	0.62/1.08/1.61	0.70/1.21/1.94
Sensible cooling capacity	7/12°C	Min./Med./Max.		kW	0.37/0.70/0.98	0.52/0.86/1.27	0.57/1.02/1.52
Heating capacity	45/40°C	Min./Med./Max.		kW	0.55/1.00/1.50	0.79/1.36/2.01	0.74/1.55/2.13
Power input	Min./Med./Max.			W	5.00/8.00/19.00	5.00/9.00/20.00	5.00/10.00/29.00
Fan speed	Min./Med./Max.			rpm	680.00/1,100.00/1,500.00		
Casing	Material				Sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm	335x902x128	335x1,102x128	335x1,302x128
	Packed unit	HeightxWidthxDepth		mm	490x1,030x210	490x1,230x210	490x1,430x210
Weight	Unit			kg	14.0	16.0	19.0
	Packed unit			kg	15	17	20
Packing	Material				Carton		
	Weight			kg	1		
Heat exchanger	Quantity				1		
	Internal coil volume			l	0.5	0.61	0.77
	Charging	Operating pressure		bar	10		
Water circuit	inch			inch	3/4		
	Piping material				COPPER		
Water circuit - water pressure drop	Heating	45/40°C	Min./Med./Max.	kPa	5.10/12.00/16.30	4.81/6.30/7.20	6.00/6.40/8.10
	Cooling	7/12°C	Min./Med./Max.	kPa	4.80/10.50/11.70	4.70/5.60/5.10	5.50/5.40/5.30
Water circuit - water flow rate	Heating	45/40°C	Min./Med./Max.	kg/h	100.00/170.00/260.00	140/240/350	150.00/300.00/420.00
	Cooling	7/12°C	Min./Med./Max.	kg/h	80.00/150.00/210.00	110/190/280	120.00/210.00/330.00
Water circuit	Pressure	Heating	Max.	bar	10		
Sound power level	Min./Med./Max.			dBA	35/46/53.0	36/47/54.0	37/48/55.0
Operation range	Heating	Water side	Min.~Max.	°C	30~85		
	Cooling	Water side	Min.~Max.	°C	5~18		
	Indoor installation	Ambient	Min.~Max.	°CDB	0~45		
Control systems	Infrared remote control				For FWXT-ATV3(C)(CL)		
Power supply	Phase/Hz/V			Hz/V	1~/50/230		
Electrical power consumption	W/W			W	19/3	20/4	29/5
Current	Maximum A/A running current			A	0.16/0.16	0.18/0.18	0.24/0.24

Concealed ceiling Heat pump convector

The optimised cooling and heating combination of efficiency, comfort and flexibility

- High heating/cooling capacity through forced convection
- Full modulation fan control
- Optimized for combination with heat pumps, flow T (°C) down to 35 °C in heating mode
- Blends unobtrusively with any interior décor: only the suction and discharge grills are visible



FWXM-ATV3



FWXM-ATV3



FWXM-ATV3R

Indoor Unit				FWXM	10ATV3	10ATV3R	15ATV3	15ATV3R	20ATV3	20ATV3R
Cooling capacity	7/12°C	Min./Med./Max.		kW	0.75/1.36/2.12		1.15/2.08/2.81		1.32/2.39/3.30	
Sensible cooling capacity	7/12°C	Min./Med./Max.		kW	0.59/1.04/1.54		0.83/1.51/2.11		1.02/1.84/2.65	
Heating capacity	45/40°C	Min./Med./Max.		kW	0.82/1.53/2.21		1.20/2.16/3.02		1.47/2.59/3.81	
Power input	Min./Med./Max.			W	4.00/8.00/19.00		6.00/11.00/20.00		5.00/11.00/29.00	
Fan speed	Min./Med./Max.			rpm	680.00/1,100.00/1,500.00					
Casing	Material				No casing					
Dimensions	Unit	HeightxWidthxDepth		mm	576x725x126		576x925x126		576x1,125x126	
	Packed unit	HeightxWidthxDepth		mm	690x830x210		690x1,030x210		690x1,230x210	
Weight	Unit			kg	12.0		15.0		18.0	
	Packed unit			kg	13		16		19	
Packing	Material				Carton					
	Weight			kg	1					
Heat exchanger	Quantity				1					
	Internal coil volume			l	0.8		1.13		1.46	
	Charging Operating pressure			bar	10					
Water circuit	Piping connections diameter			inch	3/4					
	Piping material				COPPER					
Water circuit - water pressure drop	Heating	45/40°C	Min./Med./Max.	kPa	1.50/4.30/9.20		2.70/9.30/19.10		3.00/8.90/21.20	
	Cooling	7/12°C	Min./Med./Max.	kPa	1.90/4.30/8.20		2.70/9.90/17.10		2.50/8.80/18.00	
Water circuit - water flow rate	Heating	45/40°C	Min./Med./Max.	kg/h	140.00/270.00/390.00		210.00/380.00/530.00		260.00/450.00/660.00	
	Cooling	7/12°C	Min./Med./Max.	kg/h	130.00/230.00/360.00		200.00/360.00/480.00		230.00/410.00/570.00	
Water circuit	Pressure	Heating	Max.	bar	10					
Sound power level	Min./Med./Max.			dBA	35/45/53.0		36/46/54.0		36/47/55.0	
Operation range	Heating	Water side	Min.~Max.	°C	30~85					
	Cooling	Water side	Min.~Max.	°C	5~18					
	Indoor installation	Ambient	Min.~Max.	°CDB	0~45					
Control systems	Infrared remote control				No					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Electrical power consumption	Max./Standby			W	19/3		20/4		29/5	
Current	Maximum Cooling/Heating running current			A	0.16/0.16		0.18/0.18		0.26/0.26	

FWXV10ABTV3(R)	FWXT10ABTV3(C)(L)(CL)	FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
FWXV15ABTV3(R)	FWXT15ABTV3(C)(L)(CL)			
FWXV20ABTV3(R)	FWXT20ABTV3(C)(L)(CL)			

Description	Picture	Material name					
On-board electronic control SMART TOUCH with PID full modulating fan and thermostat		EKRTCTRL1	•				
On-board electronic control SMART TOUCH 4 speeds with thermostat		EKRTCTRL2	•				
On-board 4 speeds control switch to be combined with Daikin compatible thermostats		EKPCB0	•		•	•	•
On board 4 speeds control box to be combine with 4 speed thermostats		EKPCB4S	•		•	•	•
On board 1-10V control box to be combine with 1-10V thermostats		EKPCB10	•		•	•	•
On-board controller for EKWHCTRL1		EKWHCTRL0	•		•	•	•
SMART LCD wall controller with temperature probe, white casing		EKWHCTRL1	•	• (excl. FWXT-ABTV3(C/CL))	•	•	•
SMART LCD wall controller with temperature probe, white casing, including indoor air quality sensor		EKWHCTRL1A	•				
IR remote control				Standard (only FWXT-ABTV3(C/CL))			
Fresh air damper kit		EKFCD80	•				
Aesthetical feet		EKFA	•				
Motorised 2-way valve (FWXV/M)		EK2VK0	•		•	•	•
Motorised 2-way valve (FWXT)		EKT2VK0		•			
Motorised 3-way valve (FWXV/M)		EK3VK1	•		•	•	•
Motorised 3-way valve (FWXT)		EKT3VK1		•			
L-bow 90 °C		EKEUR90	•		•	•	•
Extension piece		EKDIST	•		•	•	•
Condensate collector tray for horizontal installation		EKM10COH EKM15COH EKM20COH	• • •				
Metal casing		EKM10CS EKM15CS EKM20CS			•	•	•
Front cover for ceiling installation		EKM10CH EKM15CH EKM20CH			•	•	•
Front cover for wall installation		EKM10CV EKM15CV EKM20CV			•	•	•
Air intake fitting		EKM10DH EKM15DH EKM20DH			•	•	•
90 °C exhaust bend (Horizontal)		EKM10D90 EKM15D90 EKM20D90			•	•	•
Telescopic air flow duct		EKM10DT EKM15DT EKM20DT			•	•	•
Aluminum air intake grille with straight airflow		EKM10IS EKM15IS EKM20IS			•	•	•
Straight airflow vent		EKM10SV EKM15SV EKM20SV			•	•	•
Aluminum air intake grille with curved airflow		EKM10IC EKM15IC EKM20IC			•	•	•
Aluminum air outlet grille with curved airflow		EKM10CA EKM15CA EKM20CA			•	•	•



Daikin Altherma ST - Solar heating systems

▪ Solar panels for pressurised use and Drain-back system	272
▪ Solar panel - pressurised system	274
▪ Solar panels - drain-back system	276
▪ Solar collector	279
▪ Pump station	279

Daikin Altherma ST

Maximising renewable energy



Why choose a Daikin Altherma ST solar panel?

ECH₂O

Daikin's thermal solar panels seamlessly integrate with multiple heating systems, maximizing renewable energy use to efficiently supply hot water throughout your home.

✓ Comfort

- Flexible solar system for pressureless (drain-back) and pressurised solar systems
- Hot tap water and heating support generated by solar energy
- Highly efficient flat solar panels that are available in 3 installation options:
 - On roof
 - In-roof
 - Flat roof

✓ Energy efficiency

ECH₂O thermal store range:

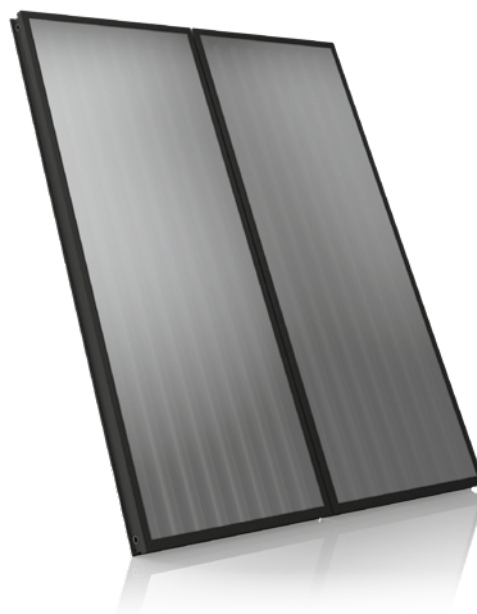
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

✓ Reliability

Keymark Certificate

- Daikin's thermal solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies



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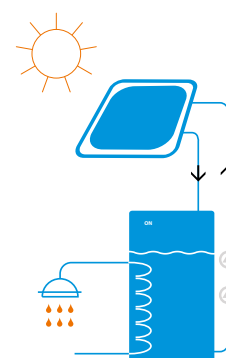
The Drain-Back solar system

✓ How is it working?

- Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
- Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
- The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
- Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary

✓ Advantages

- 0% glycol: the liquid carrying the heat is only the water inside the system
- Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
- Automatic management of the defrost mode and avoidance of overheating mode
- No commissioning on the solar system, no replacement of the heat-carrying liquid



The pressurised solar system

✓ How is it working?

- The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
- Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
- The energy from the collectors is returned to the thermal store thanks to the coil

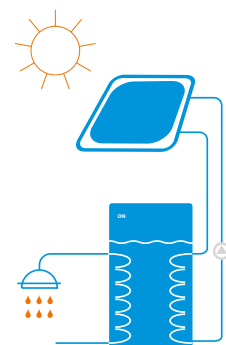
✓ Advantages

Monovalent

- The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed

Bivalent

- The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine



Solar panel - Overview EKSV21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV21P

Solar panel
EKSV21P



Number of solar panels Type of installation Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	3 On-roof Quantity	3 In-roof Quantity	4 On-roof Quantity	4 In-roof Quantity	5 On-roof Quantity	5 In-roof Quantity
Solar panel	EKSV21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel DB+P) (2 roof hooks per kit)	FIX-ADDP	16 20 85	42)	0	62)	0	82)	0	102)	0
In-roof installation package, basic storage for two solar panel	IB EKSV21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKSV21P	16 20 18	0	0	0	1	0	2	0	3

Material list standard solar panels
with Drain-back system



Type of installation	Type	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKSRPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal system volume (L)	20.2	21.5	22.8	24.1

Material list solar panels with pressurised system ¹⁾



Number of solar panels Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKSRCP	1	1	1



DB) Only required for installations with drain-back system.

P) Only required for pressurised installations.

* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.

1) The roof penetration for on-roof and flat roof installation is to be provided by the customer.
The solar fluid must be ordered separately.

2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKSV26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV26P

Solar panel
EKSV26P



Number of solar panels Type of installation / Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 In-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 In-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 In-roof Quantity	5 Flat roof Quantity
Solar panel	EKSV26P	EKSV26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel DB+P) (2 roof hooks per kit)	FIX-ADDP	16 20 85	42)	0	0	62)	0	0	82)	0	0	102)	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

Material list standard solar panels with Drain-back system

Number of solar panels Installation type / Article	Type	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKSRRS4A	EKSRRS4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCP	EKSRCAP Anthracite EKSRCP Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

Material list solar panels with pressurised system ¹⁾

Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRRS2A	EKSRRS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKSRCP	1	1	1



Nominal volume, complete system

	2	3	4	5
Number of solar panels	DN16	DN16	DN20	DN20
Connecting line 15 m	21	22.7	24.4	26.1
Nominal system volume (L)				

Solar panel - Overview EKSH26P - standard horizontal model

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel
H26 P



Number of solar panels Type of installation Article	Type	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel P) (4 roof hooks per kit)	FIX-ADDP	16 20 85	22)	0	42)	0	62)	0	82)	0	102)	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4



Nominal volume, complete system

	2	3	4	5
Number of solar panels	DN16	DN16	DN 0	DN20
Connecting line 15 m	21.6	23.9	26	28.1
Nominal system volume (L)				

Material list solar panels with pressurised system 1)



Number of solar panels Installation type / Article	Type	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1



Pressurised system

DB) Only required for installations with drain-back system.

P) Only required for pressurised installations.

* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.

1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.

2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

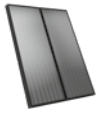
Solar panel - Overview EKSV26P - standard vertical model

List of materials for solar components that connect several storage tanks



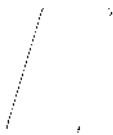
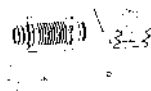
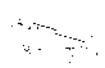
Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

Solar panels for pressurised use and Drain-back system



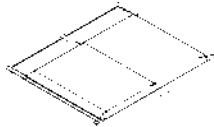
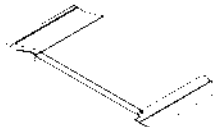
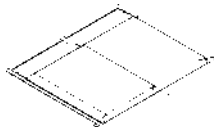
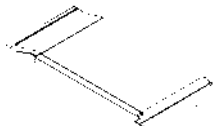
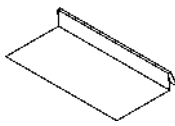
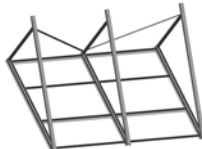
High-efficiency flat solar panels

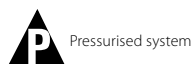
Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

	Article	Type	Order No.
High-efficiency flat solar panel EKS21P	 (2,000 x 1,006 x 85 mm), solar panel area 1.79 m ² , Weight 35kg, water content 1.3 l. Max. 6 bar.	EKS21P	EKS21P
High-efficiency flat solar panel EKS26P	 (2,000 x 1,300 x 85 mm), solar panel area 2.35 m ² , Weight 42kg, water content 1.7 l. Max. 6 bar.	EKS26P	EKS26P
High-efficiency flat solar panel EKSH26P	 (1,300 x 2,000 x 85 mm), solar panel area 2.35 m ² , Weight 42kg, water content 2.1 l. Max. 6 bar.	EKSH26P	EKSH26P
Solar panel connection	 Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
Installation profile rail for EKS21P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
Installation profile rail for EKS26P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
Installation profile rail for EKSH26P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
Support for connecting pipe solar panel	 Support troughs (5 in number, length, in each case, 1.3 m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
On-roof installation pack slate	 4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
On-roof installation pack MULTI	 2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
Roof holder for corrugated covering	 4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
Roof holder for welded sheet metal covering	 4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX



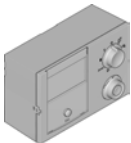
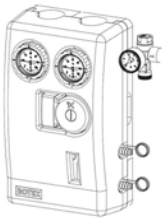
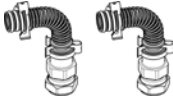
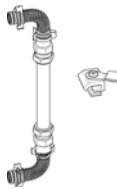
Solar panels for pressurised use and Drain-back system

Article		Type	Order No.	
Basic in-roof assembly package EKS21P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
Extension kit in-roof mounting EKS21P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P	16 20 18
Basic in-roof mounting pack EKS26P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
Expansion in-roof mounting pack EKS26P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
In-roof covering slate supplementary pack		30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
Basic pack flat-roof frame for mounting of two EKS26P solar panels on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
Extension pack flat-roof frame for one additional EKS26P solar panel		Extension for FB V26P.	FE V26P	16 20 59
Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
Extension pack flat-roof frame for one additional EKSH26P solar panel		Extension for FB H26P.	FE H26P	16 20 61
Disassembly tools ducts drain-back system		FIX LP	16 20 29-RTX	



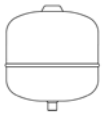
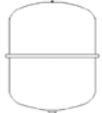
Solar panel - pressurised system



	Article	Type	Order No.
Controller	 Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.	EKSDSR1A	EKSDSR1A
Pressure station	 Consists of: Pipe connection $\varnothing$ 22 mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.	EKSRDS2A	EKSRDS2A
Fill and drain connection	 For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA	16 52 15
Solar panel pressurised solar line DN 16	 15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P16	16 20 73
Solar panel pressurised solar connection kit DN 16	 All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.	CON CP16	16 20 75
Solar panel pressurised solar connection kit DN 16	 Fittings for connecting two pressurised solar lines DN 16.	CON XP16	16 20 71
Solar panel pressurised solar line DN 20	 15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P20	16 20 74
Pressurised solar connection kit DN 20	 All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.	CON CP20	16 20 76
Solar panel pressurised solar connection kit DN 20	 Fittings for connecting the pressurised solar line DN 20.	CON P20	16 20 72
Installation material solar panel pressurised system	 Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2 m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided by the customer.	RCP	EKSRCP
Solar panel row connection for the solar panel with pressure system	 Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.	CON LCP	16 20 45

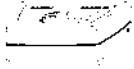


Solar panel - pressurised system

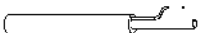
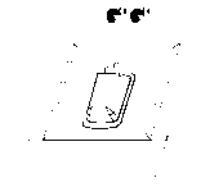
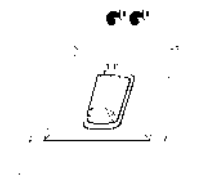
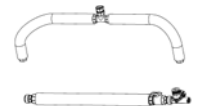
Article		Type	Order No.
Expansion vessel 12 L with connection block		For solar panels with pressure systems of max. 2 x EKS21P - solar panels.	MAG S12 16 20 70
Expansion vessel 25 L with connection block		For solar panels with pressure systems of max. 3 solar panels.	MAG S 25 16 20 50
Expansion vessel 35 L with connection block		For solar panels with pressure systems of max. 5 solar panels.	MAG S 35 16 20 51-RTX
GLYCOL CORACON SOL 5F		20 L can of pre-mixed solar fluid, functional range up to -28 °C.	CORACON SOL 5F 16 20 52-RTX
Fill and draining valve			16 41 17
GLYCOL CORACON SOL 5		1 L of solar fluid concentrate for extension of the frost range. With 20 L of solar fluid with 1 L additive, the use range extends down to -33 °C. For 20 L of solar fluid with 2x 1 L of additive, the functional range is extended to -38 °C.	CORACON SOL 5 16 20 53
Circulation lance		For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL 16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the domestic water pipe. Setting range 35-60 °C.	VTA32 15 60 15
Screw connection kit 1"		For connection of the scald protection VTA32.	15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR 16 41 30
3-way switching valve 1" male		With motor drive 230V, switchover time 6 sec.	3 W-UV 15 60 34

Solar panels - drain-back system



	Article	Type	Order No.
 EKS RPS4 regulation and pump unit	Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump. INFO: The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKS RPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.	EKS RPS4	EKS RPS4A
Additional pump set RPS4			164243
Fill and tap connection solar panel with drain-back system	For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA	16 52 16
 Burner blocking contact connection cable	For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK	16 4110-RTX
 Solar panel FlowGuard solar flow regulator	With solar flow indicator 2-16 l/min.	FLG	16 41 02-RTX
 Connection tube solar panel	Ready to connect connection line 15 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15	16 47 32
 Connection tube solar panel	Ready to connect connection line 20 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20	16 47 33
 Solar panel solar flow sensor 100	Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100 l/min.	FLS 100	16 41 03-RTX
 Extension	For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCP, RCIP, RCFP.	CON X20 25M	16 42 31

Solar panels - drain-back system

	Article	Type	Order No.								
Extension connection tube solar panel	Ready to plug in including installation material and connection fittings L = 2.5 m L = 5.0 m L = 10.0 m Maximum possible length of the connection pipe: <table><tr><th>Number of solar panels</th><th>Max. length</th></tr><tr><td>2</td><td>45 m</td></tr><tr><td>3</td><td>30 m</td></tr><tr><td>4</td><td>17 m</td></tr><tr><td>5</td><td>15 m</td></tr></table>  CON X 25 CON X 50 CON X 100 16 42 61 16 42 62 16 42 63	Number of solar panels	Max. length	2	45 m	3	30 m	4	17 m	5	15 m
Number of solar panels	Max. length										
2	45 m										
3	30 m										
4	17 m										
5	15 m										
Extension of the inflow pipe	 UV-resistant thermally-insulated, length = 8 m, including cable connecting fitting for the solar panel sensor line.	CON XV 80	16 42 64								
On-roof roof penetration, anthracite	 Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCAP	EKSRCAP								
On-roof roof penetration, tile red	 Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCRP	EKSRCRP								
Solar panel row connection	 Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.	CON RVP	16 20 35-RTX								
Installation material, solar panel in-roof	 Ready to plug in including installation material and connection fittings.	RCIP	16 20 37-RTX								
Roof penetration, flat roof	 Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	RCFP	16 20 38-RTX								
Roof penetration flat-roof for alternate side solar panel connection	 Flat roof penetration with screw connections and blind plugs for penetration openings which are not used.	CON FE	16 47 09								
Solar panel boiler extension kit	 Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SX	16 01 20								

Solar panels - drain-back system



	Article	Type	Order No.
Solar panel storage tank extension kit 2	 Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SXE	16 01 21
Circulation lance	 For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector	Thermal safety device for the warm-water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1"	For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V	With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male	 With motor drive 230V, switch-over time 6 sec.	3 W-UV	15 60 34
Collector connector (connect B)			164201-RTX
Connector 18/18			164233-RTX
Connector 15/15			164234-RTX
Plug-in coupling for RPS4 22/15			164237-RTX

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications



EKSVP21P



EKSVP-P



EKSH-P

Accessory				EKSVP21P	EKSVP26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit		kg	33		42
Volume			L	1.30	1.70	2.10
Surface	Outer		m ²	2.01		2.60
	Aperture		m ²	1,800		2,360
	Absorber		m ²	1.80		2.36
Coating	Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)					
Absorber	Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate					
Glazing	Single pane safety glass, transmission +/- 92%					
Allowed roof angle	Min.~Max.		°		15~80	
Operating pressure	Max.		bar		6	
Stand still temperature	Max.		°C		192	
Thermal performance	Collector efficiency (η_{col})		%		53	
	Zero loss collector efficiency η_0		%		0.71	
	Heat loss coefficient a_1		W/m ² .K		4,300	
	Temperature dependence of the heat loss coefficient a_2		W/m ² .K ²		0.006	
	Thermal capacity		kJ/K	4.90		6.50

EKSRRS4A/EKSRRDS2A

Pump station

- Save energy and reduce CO₂ emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank



EKSRRS4A



EKSRRDS2A



EKSRRS4A

Accessory				EKSRRS4A	EKSRRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6.40	6
Operation range	Ambient temperature	Min.~Max.	°C	5~40	~40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37.3	23
	Annual auxiliary electricity consumption Qaux		kWh	92.1	89
	Solstandby		W	2.00	5.00