

Pricelist 2019-2020

Heating



Product catalogue and price list for Heating products

Previous product names vs. new product names

Previous product name	New product name	Models
Daikin Altherma 3 low temperature split integrated	Daikin Altherma 3 R F	EHVH/X/Z-D
Daikin Altherma 3 low temperature split wall mounted	Daikin Altherma 3 R W	EBBH/X-D
Daikin Altherma 3 low temperature split integrated ECH ₂ O	Daikin Altherma 3 R ECH₂O	EHSX/X(B)-D
Daikin Altherma low temperature split integrated	Daikin Altherma R F	EHVH/X/Z-C
Daikin Altherma low temperature split wall mounted	Daikin Altherma R W	EBBH/X-C
Daikin Altherma low temperature split integrated ECH ₂ O	Daikin Altherma R ECH₂O	EHSX/X(B)-B
Daikin Altherma monobloc	Daikin Altherma M	EB/DLQ-C
Daikin Altherma 3 11-16 kW floor standing	Daikin Altherma 3 H F	EAVH/X/Z-D
Daikin Altherma 3 11-16 kW wall mounted	Daikin Altherma 3 H W	EABH/X-D
Daikin Altherma High temperature	Daikin Altherma R HT	EKHBRD-ADV/Y17
Daikin Altherma Flex Type low temperature high capacity	Daikin Altherma R Flex Type	SEVHX-BAW + SERHQ-BAW1
Daikin Altherma Flex Type high temperature	Daikin Altherma R Flex Type HT HW	EKHBRD-ADV/Y17 + EMRQ-AB
Daikin Altherma ground source heat pump	Daikin Altherma GEO	EGSQH-A
Split domestic hot water heat pump	Daikin Altherma R HW	EKHHP-A2V3
Monobloc domestic hot water heat pump	Daikin Altherma M HW	EKHH2E-(P)AV3
Daikin Altherma hybrid heat pump	Daikin Altherma R Hybrid	EHYHBH/X + EHYKOMB-A + CHYHBH-A
Gas condensing boiler D2CND	Daikin Altherma 3 C Gas	D2C/TND-A
GCU compact	Daikin Altherma C Gas ECH₂O	D2U30/50GC/B-A

Table of contents

Coming soon	4	Thermal stores & tanks	154
Highlights	5	Stainless steel hot water storage tanks	156
Award winning units	6	DHW tank sets for Altherma 3 wall mounted	156
Top-notch technologies/HP Keymark	7	DHW tank sets for Altherma LT wall mounted	156
Solutions overview	8	Daikin Sanicube & Hybridcube	157
Stand By Me	10	Emitters	
BLUEVOLUTION range		Heat pump convector	166
Daikin Altherma 3 H F	14	Solar	
Daikin Altherma 3 H W	26	Daikin Solar system for pressurised & drainback use	170
Daikin Altherma 3	34	ROTEX variosafe fuel oil tanks	182
Daikin Altherma 3 R F	36	ROTEX variocistern rainwater storage tanks	187
Daikin Altherma 3 R ECH ₂ O	46	Always in control	
Daikin Altherma 3 R W	56	Madoka remote controller	188
Classic range		Daikin Online Controller App	190
Daikin Altherma R F	66	EKRUCBL User interface	190
Daikin Altherma R ECH ₂ O	74	EKRTR/EKRTW Room thermostat	191
Daikin Altherma R W	84	Low sound cover	193
Daikin Altherma M	92	Why Maintenance	194
Daikin Altherma R HT	100	Daikin Services	196
Daikin Altherma M HW	106	Commercial terms & conditions	202
Daikin Altherma R HW	108		
Daikin Altherma R Flex Type HT HW	110		
Daikin Altherma R Flex Type	114		
Daikin Altherma GEO	118		
Daikin Altherma R Hybrid	124		
Combustion range			
Gas condensing boiler	134		
Daikin Altherma C Gas ECH ₂ O	146		
Daikin Flue Gas system	150		

NOTES: Units listed in this pricelist that operate with refrigerant either operate with R-410A or, if indicated, R-32 refrigerant types. They contain fluorinated greenhouse gases. R-410A has a GWP of 2088 and R-32 has a GWP of 675. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. These appliances contain a refrigerant fluid with a GWP equal to 2088 (R-410A refrigerant) or 675 (R-32 refrigerant). This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 2088 or 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The pricelist is valid from 1. April 2019. All prior pricelists are not valid anymore. All prices are list prices in Euro and excl. VAT. The Daikin Commercial Terms and Conditions apply (see last page or www.daikin.si/t&c). We reserve the right for printing errors and model changes. Price list is only intended for "B2B" (Business to Business) use from Daikin to its business partners and must not be given or made publicly available to consumers.

Coming soon...

BLUEEVOLUTION



Daikin Altherma 3 H HT R-32 hydrosplit Heat Pump

- › High efficiency inverter gas injection scroll compressor
- › Hydrosplit concept with sealed R-32 refrigerant circuit
- › 14-16-18 kW capacity range (1 and 3 phase units)
- › Heating, cooling and domestic hot water production
- › Leaving water temperature up to 70°C*
- › Operation range in heating down to -28°C*
- › A+++ energy label for space heating
- › New modern and stylish outdoor unit
- › Using the same stylish Altherma 3 indoor units
- › Extensive water anti freeze protection features
- › All hydraulic components factory installed
- › New Daikin Eye and MMI for easier control
- › Easy commissioning in max. 9 steps
- › Remote monitoring & control (cloud-ready)

Available from November 2019...

* Specifications are not final and could be changed until product launch

BLUEEVOLUTION



Daikin Altherma 3 GEO 2nd generation R-32 ground source heat pump

- › High efficiency quiet R-32 swing inverter compressor
- › 8-10 kW capacity with wide modulation range
- › Heating, cooling and domestic hot water production
- › Leaving water temperature up to 65°C*
- › Active cooling up to 7 kW capacity
- › 180 l tank with less than 1,2kWh/24h @ $\Delta t 45^{\circ}\text{C}$ heat loss*
- › Extra quiet operation
- › New stylish design with white & grey colours
- › Removable compressor module for quick and easy service
- › Easy access to PCB board and hydraulic components
- › All hydraulic components factory installed
- › New Daikin Eye and MMI for easier control
- › Easy commissioning in max. 9 steps
- › Remote monitoring & control (cloud-ready)

Available from May 2019...

* Specifications are not final and could be changed until product launch



Heat Pump Convactor 2nd generation

- › Hydronic fan coil optimized for heat pumps
- › Operation range down to 30°C leaving water temperature
- › Elegant design with reduced dimensions (129 mm depth)
- › Optional enclosed (built-in) installation**
- › Modulated airflow makes it effective and imperceptible
- › Extremely low electrical consumption due to DC Inverter
- › Silent operation guaranteed by continuous fan modulation
- › Quiet operation with sound power down to 24,5 dBA*
- › Smartouch controls for highest level of function and design
- › Easily integration to most BMS

Available from June 2019...

* Specifications are not final and could be changed until product launch

** Available from October 2019 (only 400, 600 and 800 models)

Highlights

BLUEEVOLUTION



p. 14

Daikin Altherma 3 11-14-16 kW hydrosplit range

- › Hydrosplit concept with sealed R-32 refrigerant circuit
- › Water connections between indoor and outdoor unit
- › Outdoor unit extracts heat from the air, even at -28°C
- › Leaving water temperature of 60°C at -10°C
- › COP A7/W35 up to 5,15 (DHW up to 2,71)
- › New stylish design with white & grey colors
- › Easy access to PCB board and hydraulic components
- › All hydraulic components factory installed
- › Easy commissioning in max. 9 steps
- › New Daikin Eye and MMI for easier control

BLUEEVOLUTION



p. 34

Daikin Altherma 3 04-06-08 kW refrigerant split range

- › R-32 powered refrigerant split Altherma 3 range
- › Refrigerant connections between indoor and outdoor unit
- › Outdoor unit extracts heat from the air, even at -25°C
- › Leaving water temperature of 60°C at -5°C
- › COP A7/W35 up to 5,10 (DHW up to 3,30)
- › New stylish design with white & grey colors
- › Easy access to PCB board and hydraulic components
- › All hydraulic components factory installed
- › Easy commissioning in max. 9 steps
- › New Daikin Eye and MMI for easier control



p. 92

Altherma LT Monobloc 5-7-11-14-16 kW

- › Increased energy label to A++
- › Heating only or reversible range
- › ErP Lot 1 Tier 2 compliant
- › Unified controls & options with 5-7 kW models
- › Simplified wiring between outdoor unit & wiring centre
- › Online control option



p. 134

Gas condensing boilers

- › Energy Class A adheres to European ERP Standards
- › Condensing technology achieves 107% more energy efficiency
- › Lambda Gx: automatic gas adaptation system
- › High modulation rate
- › Easy installation and service
- › Space-saving design
- › Future-proof and flexible
- › Highest heating comfort



p. 188

Madoka wired remote controller

- › Replacing EKRUDAS for the Daikin Altherma 3
- › Intuitive touch-button control
- › Easily to set up operation parameters
- › Easy to update via Bluetooth
- › Sleek and elegant design
- › Three colours to match any interior
- › Compact, measures only 85 x 85 mm

Award winning units

thanks to a unique design

Heating products recently gathered all the most famous design awards: iF design and RedDot awards thanks to a brand-new design. Our wall mounted gas condensing boiler as well as our third generation heat pump (both floor standing and wall mounted models) received these design awards, putting the spotlight on our unique design.



reddot award 2018
winner

Heating products are taking more and more importance within Daikin solutions portfolio. More products mean more solutions to cover all the needs. The design of the units is a major asset for customers that's why we decided to bring a brand-new design to our heating products.

The new design has to be discrete and modern, but also intuitive and user-friendly. The Daikin Eye has been developed to help both customers and installers getting the best experience possible while using the unit interface. The high-resolution colour controller is easy to use, and the Daikin Eye informs instantaneously if everything is working correctly.

All those features were rewarded with the most famous design awards: iF and RedDot design awards, for our high-end technology products.



Daikin Altherma 3 heat pumps



Wall mounted gas condensing boiler

Top-notch technologies and efficiency

Daikin commits to develop the most effective technologies to reach the best energy efficiency levels and respect the planet. Our Bluevolution technology uses the R-32 refrigerant, which largely lowers CO₂ emissions compared to its competitors. Daikin leads again the way for better heating solutions and a better environment.

Customers are looking for the best solutions for their home, with an eye on the energy efficiency labels. Daikin always proposes the most environment friendly units with the maximum energy labels for the heat pumps: A+++ (energy label 2019).

The third generation Daikin Altherma heat pumps reach this efficiency thanks to the Bluevolution technology. It combines an in-house developed compressor and the R-32 refrigerant which makes it unique on the market.

Less CO₂ emissions & more efficiency, the recipes for top-notch technologies.



Heat Pump Keymark

A unique certificate for the European market













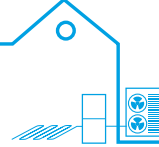
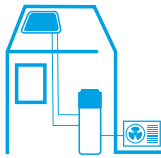




The Heat Pump KEYMARK is a voluntary, independent, European certification mark for all heat pumps. It certifies space heating performance, sound power level, domestic hot water performance as well as operating tests.

The Heat Pump KEYMARK is based on independent, third-party testing and demonstrates compliance with product requirements as set in the Heat Pump KEYMARK scheme rules and with efficiency requirements as set by Ecodesign Lot 1, Lot 2.

As a group, we are strongly convinced of the quality of this scheme, both for our customers and ourselves as manufacturers. It is therefore our intention to certify the entire portfolio of Daikin Altherma heat pumps.














Find all our certified products on
<http://www.heatpumpkeymark.com>

Solutions overview

		Heat pumps					
		Air-to-water technology					
		Space heating and domestic hot water					
		R-32 Daikin Altherma low temperature Hydrosplit	R-32 Daikin Altherma low temperature split	R-410A Daikin Altherma low temperature split	Daikin Altherma low temperature monobloc	Daikin Altherma high temperature split	Monobloc domestic hot water heat pump
Products		NEW 					
Page		14	34	66	92	100	106
Set-up type							
Space heating (up to)		A+++ (1)	A+++ (1)	A++	A+	A+	-
Domestic hot water (up to)		A (1)	A+ (1)	A	-	B	A+
Renovation		•	-	•	•	•	•
New build		•	•	•	•	-	•
Tanks	EKHW(D/C) (H/B)-B/PB 	•	•	A	A	B	-
	EKHTS-AC 	-	-	-	-	B	-
	EKHWS-B 	-	-	B	A	-	-
	EKHWS-D 	A	A	-	A	-	-
Controller	EKRUCBL	-	-	•	•	•	-
	BRC1HHDK/W/S	•	•	-	-	-	-
	EKRT(R/W)	•	•	•	•	•	-
	System controller	•	•	•	•	•	-
Thermal Solar panels		•	•	•	•	-	•
Heat pump convector		•	•	•	•	-	-

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

* Due to product compliance please check if product is available in your country.

				Hybrid		Combustion	
				Ground to water	Hybrid	Gas	
Domestic hot water			Space heating	Space heating and domestic hot water			
	Domestic hot water heat pump*	Daikin Altherma Flex Type	Daikin Altherma LT High capacity	Daikin Altherma ground source heat pump	Daikin Altherma hybrid heat pump	Wall mounted	Floor standing
							
	108	110	114	118	124	134	
							
	-	-	A ⁺	A ⁺⁺	A ⁺	A	
	A	A	-	A	A	A	
	●	-	-	-	●	●	
	●	●	●	●	●	●	
	-	-	-	-	●	A	
	-	A	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	●	-	●	●	-	
	-	-	-	-	-	-	
	●	●	-	●	-	-	
	-	●	-	-	-	-	
	●	●	-	-	●	●	
	-	-	-	●	●	-	

Stand By Me,

From one-time sales to long term care

What if you could design a complete solution customised for your consumer, compare lifetime costs with other solutions, turn all this into a quotation, then easily commission units after installation, and offer after sales services within the same system? Stand By Me offers you this and much more...



SALES LEADS

Store your sales leads online and start designing tailor-made heating systems to your end users



QUOTE & ORDER

Generate customized quotations & order them from Daikin with just a couple of clicks



ALERTS & REMINDERS

Get alerts & notifications on upcoming maintenances, automatically planned upfront



ALL-IN-ONE SELECTION TOOL

Design fully customized heating solutions perfectly tailored to the needs of your consumers



REGISTER VIA APP OR DESKTOP

Easily register new installations via the app or via desktop to build up your database



REMOTE UNIT MONITORING

See the status of your installations remotely, get alerted & notified if a warning or error occurs



RETURN ON INVESTMENT (ROI)

Compare the designed solution with other technologies to see ROI over the years



COMPLETE UNIT HISTORY

Log all maintenances, repairs, interventions and track the complete history of all installations



TROUBLESHOOT WITH EASE

The E-doctor module helps you to easily troubleshoot errors & find a solution

The Stand By Me ecosystem



STAND BY ME

A digital logbook of all your installations. See warranty details, get maintenance reminders, add repair reports and access E-configurator or Heating Solution Navigator.



E-CONFIGURATOR

Easily configure the parameters of any heating units and store the configuration as pdf, or on USB to commission your unit. Moreover, with the LAN adapter you will soon be able commission certain units via the cloud as well.



HEATING SOLUTIONS NAVIGATOR

All the necessary tools to select, design, customize and share as quotations heating solutions that are customized to the needs of your consumers, all integrated in one powerful package.



E-CARE

The power of Stand By Me, E-configurator and much more on your smartphone.



Heating Solutions Navigator



- › The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers home.
- › With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.
- › Via the embedded Pipe Sizing tool, you can calculate the maximum hydronic piping length from the indoor unit to the outdoor unit based on the emitter pressure drop or the other way around.

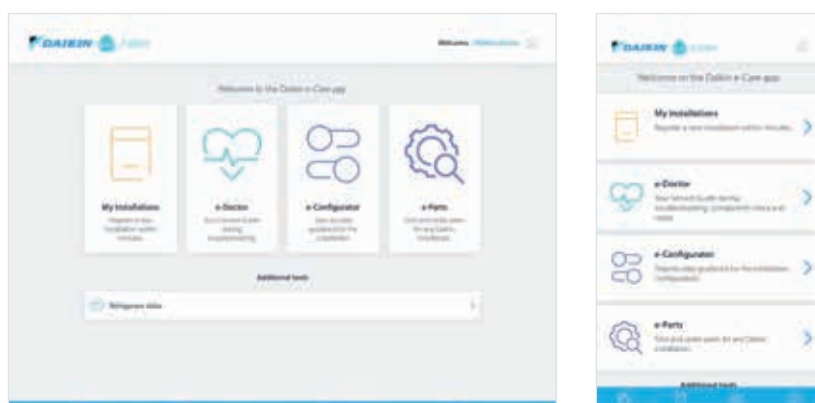
Coming
in 2019



e-Care app



The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and troubleshooting via the e-Doctor part.





STAND BY ME

www.standbyme.daikin.eu

Stand By Me is a digital platform that connects a variety of tools to allow you to offer lifetime consumer care from designing a custom solution to offering after sales services and troubleshooting installations.

Interested in how the platform operates? Scan the QR-codes to see a demo for each tool.

DEMO



DEMO



HEATING SOLUTIONS NAVIGATOR (HSN)

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes.

With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.

DEMO



SIZING

HSN Heat loss calculation tool/ Room by Room

The optional 'Room by Room' heat load calculation tool, is a tool which enable you to calculate the heat load in a property. Next to the Room by Room, a simplified heat load calculation is available.

DEMO



RADIATOR

HSN Radiator Selection Tool

This Radiator selector tool supports customers in selecting the appropriate radiator size for each room.

SOLAR

HSN Solar Selection Tool

The Solar Selection Tool shows the benefits of a DAIKIN solar system and supports professionals in selecting the right solar system for a house.



DEMO

EQUIPMENT LIST

PIPING & WIRING

Customized piping and wiring diagrams are generated for each and every project, taking into account many parameters such as heat generator, zoning, emitter type and options.

LITERATURE

CONFIGURATION TOOL

The e-Configurator is a web based tool and app which allows installers to configure the settings of Daikin Altherma heat pumps remotely. Thanks to its user friendly and intuitive interface, configuration can be completed in a couple of steps. Then it can be stored as a pdf or saved in the USB stick/SD card to upload it in the heat pump on site.

INSTALLED BASE MANAGEMENT

DEMO



REGISTRATION

Installation Registration

SBM is an after-sales service tool where end-users can extend the warranty on their installation or order maintenance packages. All Daikin professionals have an essential role in these service offerings.

With Stand By Me, you, as Daikin professional, can keep a complete digital logbook of your installed base of Daikin products and consult it via any mobile device.

SERVICE PACKAGES

MAINTENANCE

REPAIR



DEMO

E-DOCTOR

Part of e-Care

Daikin e-Doctor is part of e-Care, an application to guide our Daikin colleagues and installers in troubleshooting a unit.

SPARE PARTS ORDERING

ULTIMATE CONSUMER SATISFACTION

COMMISSIONING



DEMO

E-CARE



Stand By Me, a journey towards customer satisfaction

Daikin Altherma 3 EPGA-D 11-14-16 kW

Hydrosplit range powered by
Bluevolution with R-32



R-32, the environmentally-friendly refrigerant

Bluevolution

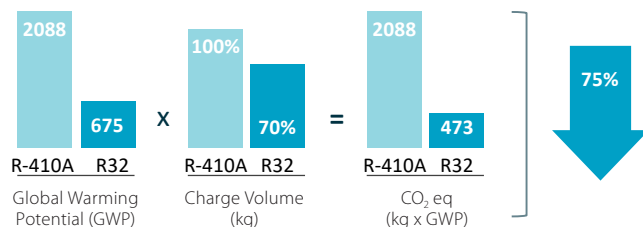
The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

BLUEEVOLUTION

R-32

Environmentally-friendly

Thanks to the combination of its lower GWP (675 vs. 2087, 5 for R-410A) and a lower refrigerant charge, R-32 is able to reduce by 75% its CO₂ equivalent which makes it better for the environment.



reddot award 2018
winner

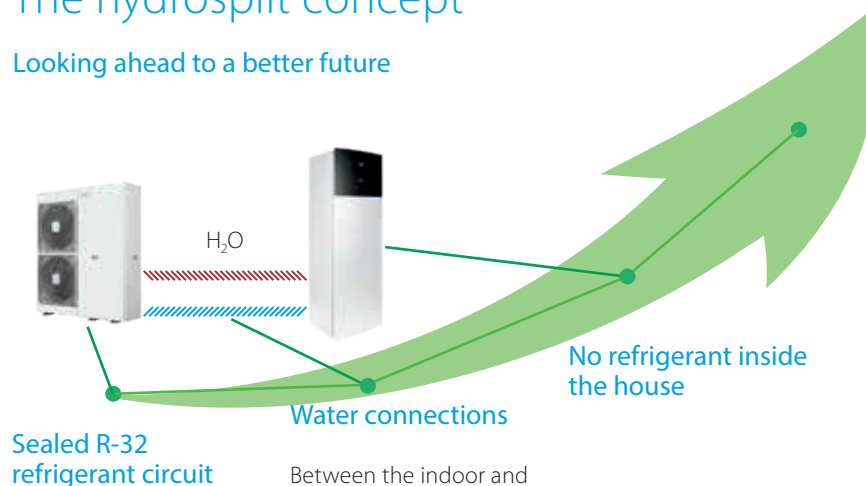


DESIGN
AWARD
2018



The hydrosplit concept

Looking ahead to a better future



Reduction of the risk of
refrigerant leakage.

Between the indoor and
the outdoor units.

With R-32, the future is now

Pioneer in the use of R-32 in air-to-water heat pumps, Daikin places the reduction of its environment impact as an absolute priority.



Gas injection advantage

Higher capacity at low ambient

The Daikin Altherma 3 11-16 kW outdoor unit is equipped with a new gas injection scroll compressor allowing the unit to operate down to -28°C outside temperature.

Moreover, the heating capacity at low ambient temperature (-7/35°C) sees an improvement of 35% compared to its predecessor.

Convenient for sensitive urban areas

Low sound installer setting

In order to fulfill the requirements of the most sound sensitive urban areas, the installer can set up the unit in low sound mode that reduce the sound level by -3 dB(A).

Higher performances

Leaving water temperature

With a leaving water temperature of 60°C at -10°C outside, the Daikin Altherma 3 11-14-16 kW is perfect:

- For new build applications using underfloor heating;
- For renovation applications using radiators.

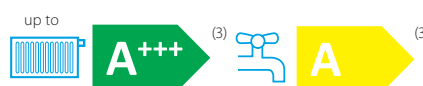
Top energy performances

Thanks to the use of R-32, the unit reaches the highest energy performances represented by the best energy labels.

Daikin Altherma 3 11-14-16 kW outdoor unit

The outdoor unit EPGA-D is available in size 11-14-16 kW 1 phase and is connectable to:

- EAB(H/X)-D wall mounted indoor units;
- EAV(H/X)-D tank integrated floor standing indoor units;
- EAVZ-D tank integrated and bi-zone floor standing indoor units.



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



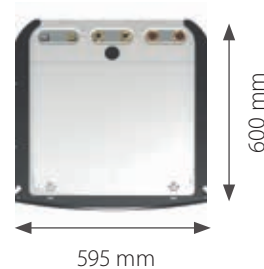
Daikin Altherma 3 H F

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

The Daikin Altherma 3 H floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

Easy to install

Small footprint & practical handles



The floor standing unit is designed to be handled easily thanks to its practical handles and without cutting edges. Its small footprint facilitates the installation in smaller spaces and the access to all the hydraulic components helps the installer to work on the unit without effort.



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 unit 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 unit 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, or via the cloud.

Easy operation

Work super-fast with the new 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.

A complete range to answer all needs

Heating only models - EAVH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.

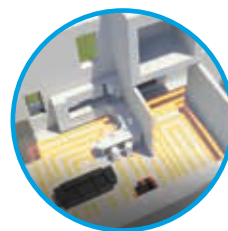
Reversible models - EAVX-D

Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function works via emitters such as an underfloor system or thanks to a fancoil.

Bi-zone models - EAVZ-D

Daikin also provides a third option to satisfy all the needs: the Daikin Altherma 3 bi-zone models. Bi-zone means that the unit can manage two different water temperature zones at the same time, for instance radiators (45°C) in the bedroom and underfloor heating (35°C) in the living room.



Colour choice



White

Silver-grey

Capacity and sizes



180 or 230 L
1.650 or 1.850 mm

Daikin

Altherma 3 H F

White edition

Air-to-water heat pump,
up to 60°C flow



Indoor unit



Daikin Altherma 3 H integrated hydrosplit indoor unit

Connectable to EPGA-DV 11-14-16 kW outdoor units. Equipped with integrated domestic hot water tank (180 l or 230 l), high-efficiency circulation pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, 3-way valve. MMI user Interface is included.

Dimensions (HxDxW) for 180 l version: 1.655x600x595 mm

Dimensions (HxDxW) for 230 l version: 1.855x600x595 mm

Heating only (White)

EAVH 16 kW indoor unit with 180 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 180 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 230 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 230 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

Heating and cooling (White)

EAVX 16 kW indoor unit with 180 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 180 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 230 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 230 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

Type / Order No

Price €

EAVH16S18D6V 4 984,-

EAVH16S18D9W 5 089,-

EAVH16S23D6V 5 129,-

EAVH16S23D9W 5 346,-

EAVX16S18D6V 5 310,-

EAVX16S18D9W 5 415,-

EAVX16S23D6V 5 455,-

EAVX16S23D9W 5 674,-

Daikin

Altherma 3 H F

Grey edition

Air-to-water heat pump,
up to 60°C flow



Indoor unit



Daikin Altherma 3 H integrated hydrosplit indoor unit

Connectable to EPGA-DV 11-14-16 kW outdoor units. Equipped with integrated domestic hot water tank (180 l or 230 l), high-efficiency circulation pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, 3-way valve. MMI user Interface is included.

Dimensions (HxDxW) for 180 l version: 1.655x600x595 mm

Dimensions (HxDxW) for 230 l version: 1.855x600x595 mm

Heating only (Grey)

EAVH 16 kW indoor unit with 180 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 180 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 230 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVH 16 kW indoor unit with 230 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

Heating and cooling (Grey)

EAVX 16 kW indoor unit with 180 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 180 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 230 l tank and 6 kW backup heater.

1~230V, backup heater in steps. For 11-14-16 kW outdoor units.

EAVX 16 kW indoor unit with 230 l tank and 9 kW backup heater.

3~400V, backup heater in steps. For 11-14-16 kW outdoor units.

Type / Order No

Price €

EAVH16S18D6VG

5 169,-

EAVH16S18D9WG

5 274,-

EAVH16S23D6VG

5 314,-

EAVH16S23D9WG

5 531,-

EAVX16S18D6VG

5 495,-

EAVX16S18D9WG

5 600,-


EAVX16S23D6VG

5 640,-


EAVX16S23D9WG

5 859,-






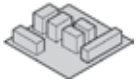
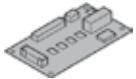
Indoor unit

	Type / Order No	Price €
	Daikin Altherma 3 H integrated hydrosplit indoor unit (Bi-zone model) Connectable to EPGA-DV 11-14-16 kW outdoor units. Equipped with integrated domestic hot water tank (180 l or 230 l) and all additional hydraulic accessories to realize systems with 1 unmixed and 1 mixing zone. Including 2 high-efficiency circulation pumps, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump, mixing valve, 3-way valve. MMI user Interface is included. Dimensions (HxDxW) for 180 l version: 1.655x600x595 mm Dimensions (HxDxW) for 230 l version: 1.855x600x595 mm	
	Bi-zone, heating only (White) EAVZ 16 kW indoor unit with 180 l tank and 6 kW backup heater. 1~230V, backup heater in steps. For 11-14-16 kW outdoor units.	EAVZ16S18D6V 5 939,-
	EAVZ 16 kW indoor unit with 180 l tank and 9 kW backup heater. 3~400V, backup heater in steps. For 11-14-16 kW outdoor units.	EAVZ16S18D9W 6 044,-
	EAVZ 16 kW indoor unit with 230 l tank and 6 kW backup heater. 1~230V, backup heater in steps. For 11-14-16 kW outdoor units.	EAVZ16S23D6V 6 084,-
	EAVZ 16 kW indoor unit with 230 l tank and 9 kW backup heater. 3~400V, backup heater in steps. For 11-14-16 kW outdoor units.	EAVZ16S23D9W 6 189,-








Outdoor unit

	Type / Order No	Price €
	Daikin Altherma low temperature hydrosplit outdoor unit 11 – 16 kW (Heating and cooling) R-32 hydrosplit heat pump outdoor unit with inverter-controlled gas injected compressor and extended modulation range. Weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Dimensions (H x W x D): 1.440x1.160x380 mm	
	Daikin Altherma 3 hydrosplit outdoor unit 11kW 1~230V / 50Hz, recommended fuse 32A	EPGA11DV 3 364,-
	Daikin Altherma 3 hydrosplit outdoor unit 14kW 1~230V / 50Hz, recommended fuse 32A	EPGA14DV 4 019,-
	Daikin Altherma 3 hydrosplit outdoor unit 16kW 1~230V / 50Hz, recommended fuse 32A	EPGA16DV 4 565,-

Controls

		Type / Order No.	Price €
	Madoka wired remote user interface (replacing EKRUDAS) Simplified user interface / room thermostat Enables the user to set operation mode (heating, cooling or automatic), set/control desired room and hot water temperature. Available in white (W), silver (S) and black (K).	BRC1HHDW	121,-
		BRC1HHDS	121,-
		BRC1HHDK	121,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	BRP069A62	122,-
		BRP069A61	189,-
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTWA	152,-
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTR	299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTR).	EKRTETS	17,-
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	KRCS01-1	84,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	EKRSC1	96,-
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	EKRP1HBA	159,-
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	EKRP1AHT	158,-

Accessories

		Type / Order No.	Price €
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	K.FERNOXTF1	212,-
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	EKPCCAB4	317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	BZKA7V3	1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20	140111
		UESV 25	140116
	Freeze protection valve Prevents ice forming by draining the water from the system.	AFVALVE1	116,-
	Corner pipe bend kit	EKHVTC	114,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms.		
	Heat pump convector 1,5 kW (heating)	FWXV15A	762,-
	Heat pump convector 2,0 kW (heating)	FWXV20A	819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-

Daikin Altherma 3 H F

› heating only models

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

- › Integrated stainless steel domestic hot water tank of 180 or 230L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



Efficiency data				EAVH + EPGA	16S18D6V(G)/ D9W(G) + 11DV	16S23D6V(G)/ D9W(G) + 11DV	16S18D6V(G)/ D9W(G) + 14DV	16S23D6V(G)/ D9W(G) + 14DV	16S18D6V(G)/ D9W(G) + 16DV	16S23D6V(G)/ D9W(G) + 16DV
Heating capacity	Nom.			kW	11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)	
Power input	Heating	Nom.		kW	2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)	
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3,29		3,34		3,41	
			η _s (Seasonal space heating efficiency)	%	129		130		133	
			Seasonal space heating eff. class				A++			
	Average climate water outlet 35°C	General	SCOP		4,38		4,45		4,56	
			η _s (Seasonal space heating efficiency)	%	172		175		179	
			Seasonal space heating eff. class		A++		A+++ (3)			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	η _{wh} (water heating efficiency)			104	112	104	112	104	112
		Water heating energy efficiency class			A					

Indoor Unit				EAVH	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour	White + Black								
	Material	Resin / Sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm		1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625
Weight	Unit		kg		109	118	109	118	109	118
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	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth	mm		1.440x1.160x380		
Weight	Unit		kg		143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling	Min.~Max.	°CDB		10~43		
	Domestic hot water	Min.~Max.	°CDB		-28~35		
Refrigerant	Type				R-32		
	GWP				675,0		
	Charge		kg		3,50		
	Charge		TCO ₂ Eq		2,36		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		64		66
	Cooling	Nom.	dBA		68		
Sound pressure level	Heating	Nom.	dBA		48	49	52
	Cooling	Nom.	dBA		55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/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) 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) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 H F

› reversible models

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

- › Integrated stainless steel domestic hot water tank of 180 or 230L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



up to



A+++

(3)





A

(3)

60°C

R-32

Efficiency data				EAVX + EPGA	16S18D6V(G)/ D9W(G) + 11DV	16S23D6V(G)/ D9W(G) + 11DV	16S18D6V(G)/ D9W(G) + 14DV	16S23D6V(G)/ D9W(G) + 14DV	16S18D6V(G)/ D9W(G) + 16DV	16S23D6V(G)/ D9W(G) + 16DV	
Heating capacity	Nom.			kW	11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)		
Power input	Heating	Nom.		kW	2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)		
Cooling capacity	Nom.			kW	10,5 (1) / 10,7 (2)		11,1 (1) / 11,9 (2)		13,5 (1) / 11,9 (2)		
Power input	Cooling	Nom.		kW	2,21 (1) / 3,30 (2)		2,72 (1) / 3,97 (2)		3,42 (1) / 3,97 (2)		
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)		
EER					4,75 (1) / 3,23 (2)		4,09 (1) / 2,99 (2)		3,94 (1) / 2,99 (2)		
 Space heating	Average climate water outlet 55°C	General	SCOP		3,32		3,37		3,43		
			ηs (Seasonal space heating efficiency)	%	130		132		134		
	Average climate water outlet 35°C	General	Seasonal space heating eff. class		A++						
			SCOP		4,44		4,51		4,61		
			ηs (Seasonal space heating efficiency)	%	175		178		182		
Seasonal space heating eff. class				A++A+++ (3)							
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	ηwh (water heating efficiency)			104	112	104	112	104	112	
	Water heating energy efficiency class			A							
Indoor Unit				EAVX	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	
Casing	Colour				White + Black						
	Material				Resin / Sheet metal						
Dimensions	Unit	HeightxWidthxDepth			mm	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625
Weight	Unit				kg	109	118	109	118	109	118
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	Heating	Ambient	Min.~Max.	°C	5~30						
		Water side	Min.~Max.	°C	15~60						
	Cooling	Ambient	Min.~Max.	°CDB	5~35						
		Water side	Min.~Max.	°C	5~22						
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35						
		Water side	Max.	°C	60						
Sound power level	Nom.				dBA	44					
Sound pressure level	Nom.				dBA	30					
Outdoor Unit				EPGA	11DV		14DV		16DV		
Dimensions	Unit	HeightxWidthxDepth			mm	1.440x1.160x380					
Weight	Unit				kg	143					
Compressor	Quantity					1					
	Type					Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.			°CDB	10~43					
	Domestic hot water	Min.~Max.			°CDB	-28~35					
Refrigerant	Type					R-32					
	GWP					675,0					
	Charge				kg	3,50					
	Charge				TCO ₂ Eq	2,36					
	Control					Expansion valve					
Sound power level	Heating	Nom.			dBA	64				66	
	Cooling	Nom.			dBA					68	
Sound pressure level	Heating	Nom.			dBA	48		49		52	
	Cooling	Nom.			dBA			55			
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1N~/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) 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) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.



Daikin Altherma 3 H F

› bi-zone models

Floor standing integrated with **two different temperature zones enabled**

- › Integrated stainless steel domestic hot water tank of 180 or 230L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



Efficiency data				EAVZ + EPGA	16S18D6V/D9W + 11DV	16S23D6V/D9W + 11DV	16S18D6V/D9W + 14DV	16S23D6V/D9W + 14DV	16S18D6V/D9W + 16DV	16S23D6V/D9W + 16DV	
Heating capacity	Nom.			kW	11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)		
Power input	Heating	Nom.		kW	2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)		
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)		
 Space heating	Average climate	General	SCOP		3,29		3,34		3,41		
	water outlet		η _{sp} (Seasonal space heating efficiency)	%	129		130		133		
	55°C		Seasonal space heating eff. class				A++				
	Average climate	General	SCOP		4,38		4,45		4,56		
	water outlet		η _{sp} (Seasonal space heating efficiency)	%	172		175		179		
	35°C		Seasonal space heating eff. class		A++		A+++ (3)				
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	η _{wh} (water heating efficiency)			%	104	112	104	112	104	112
		Water heating energy efficiency class			A						
Indoor Unit				EAVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	
Casing	Colour					White + Black					
	Material					Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	
Weight	Unit			kg	120	128	120	128	120	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	Heating	Ambient	Min.~Max.	°C	5~30						
		Water side	Min.~Max.	°C	15~60						
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35						
		Water side	Max.	°C	60						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA	30						
Outdoor Unit				EPGA	11DV		14DV		16DV		
Dimensions	Unit	HeightxWidthxDepth		mm	1.440x1.160x380						
Weight	Unit			kg	143						
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Cooling		Min.~Max.	°CDB	10~43						
	Domestic hot water		Min.~Max.	°CDB	-28~35						
Refrigerant	Type				R-32						
	GWP				675,0						
	Charge			kg	3,50						
	Charge			TCO ₂ Eq	2,36						
	Control				Expansion valve						
Sound power level	Heating	Nom.		dBA	64				66		
	Cooling	Nom.		dBA					68		
Sound pressure level	Heating	Nom.		dBA	48		49		52		
	Cooling	Nom.		dBA			55				
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/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) 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) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.





Daikin Altherma 3 H W

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 H 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 and domestic hot water connection

- › 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



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 boiler 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 boiler 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 a USB stick and download it directly into the unit, or via the cloud.

Easy operation

Work super-fast with the new 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.

Multiple tank solutions, infinite possibilities

ECH₂O Thermal stores (EKHWP-(P)B)

Connect your Daikin Altherma 3 wall mounted unit with a thermal store and take advantage of the energy of the sun.

Stainless steel tank (EKHWS(U)-D)

Connect your Daikin Altherma 3 wall mounted unit with a stainless steel tank to achieve efficient domestic hot water heating production.

Flexibility in providing domestic hot water

Heating only models - EABH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.



Reversible models - EABX-D

Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.



> See more details on thermal stores and tanks on page 154.


Daikin

Altherma 3 H W


Air-to-water heat pump,
up to 60°C flow








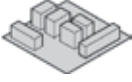
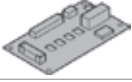
Indoor unit

	Type / Order No	Price €
	Daikin Altherma 3 R wall mounted hydrosplit indoor unit Connectable to EPGA-DV 11-14-16 kW outdoor units. Equipped with high-efficiency circulation pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump, 3-way valve. MMI user Interface is included. Dimensions (HxDxW): 800x350x450 mm	
	Heating only EABH 16 kW indoor unit with 6 kW backup heater. 1~230V, backup heater in steps. For 11-14-16 kW outdoor units.	EABH16D6V 3 616,-
	EABH 16 kW indoor unit with 9 kW backup heater. 3~400 V, backup heater in steps. For 11-14-16 kW outdoor units.	EABH16D9W 3 799,-
	Heating and cooling EABX 16 kW indoor unit with 6 kW backup heater. 1~230V, backup heater in steps. For 11-14-16 kW outdoor units.	EABX16D6V 3 941,-
	EABX 16 kW indoor unit with 9 kW backup heater. 3~400 V, backup heater in steps. For 11-14-16 kW outdoor units.	EABX16D9W 4 129,-







Outdoor unit

	Type / Order No	Price €
	Daikin Altherma low temperature hydrosplit outdoor unit 11 – 16 kW (Heating and cooling) R-32 hydrosplit heat pump outdoor unit with inverter-controlled gas injected compressor and extended modulation range. Weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Dimensions (H x W x D): 1.440x1.160x380 mm	
	Daikin Altherma 3 hydrosplit outdoor unit 11kW 1~230V / 50Hz, recommended fuse 32A	EPGA11DV 3 364,-
	Daikin Altherma 3 hydrosplit outdoor unit 14kW 1~230V / 50Hz, recommended fuse 32A	EPGA14DV 4 019,-
	Daikin Altherma 3 hydrosplit outdoor unit 16kW 1~230V / 50Hz, recommended fuse 32A	EPGA16DV 4 565,-

Controls









	Type / Order No.	Price €
	Madoka wired remote user interface (replacing EKRUDAS) Simplified user interface / room thermostat Enables the user to set operation mode (heating, cooling or automatic), set/control desired room and hot water temperature. Available in white (W), silver (S) and black (K).	121,-
	BRC1HHDW	
	BRC1HHDS	121,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	121,-
		122,- 189,-
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	152,-
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTTR).	17,-
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	84,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	96,-
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	159,-
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	158,-

Accessories

	Type / Order No.	Price €
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	212,-
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20 140111 97,-
		UESV 25 140116 126,-
	Corner pipe bend kit	114,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	131,-

Daikin Altherma 3 H W

Controls

		Type / Order No.	Price €	
	Freeze protection valve Prevents ice forming by draining the water from the system.	AFVALVE1	116,-	
	Booster heater kit for Altherma LT Electric immersion heater 230 V, 3.000 Watt (900 mm long) Including contactor/fuse assembly for Altherma LT wall mounted	EKBH3S	394,-	
	E-Pac LT hot water switching kit Hot water switching kit for connecting 500 l hygienic storage tank to Daikin Altherma Low Temperature range. Includes 3-way valve with actuator, storage tank sensor and cable.	EKDVCPLT5X	694,-	
	EP LT 5X (for 500 l tank, heating and cooling)			
	Hot water tank connection kit Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART	213,-	
	Hot water tank connection kit Valve kit for connection to 3rd party tank with built in thermostat	EKHY3PART2	223,-	
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x ½" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC	172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC	172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/ outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500	156025	923,-



Daikin Altherma 3 H W

› heating only models


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

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › 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
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



(3)



Efficiency data				EABH + EPGA	16D6V/D9W + 11DV		16D6V/D9W + 14DV		16D6V/D9W + 16DV		
Heating capacity	Nom.			kW	11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)		
Power input	Heating	Nom.			kW	2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)	
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)		
 Space heating	Average climate water outlet 55°C	General	SCOP		3,29	3,34		3,41			
			ηs (Seasonal space heating efficiency)	%	129	130		133			
	Average climate water outlet 35°C	General	Seasonal space heating eff. class		A++						
			SCOP		4,38	4,45		4,56			
			ηs (Seasonal space heating efficiency)	%	172	175		179			
Seasonal space heating eff. class					A++		A+++ (3)				
Indoor Unit					EABH	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm		840x440x390						
Weight	Unit				38						
Operation range	Heating	Water side Min.~Max.			15~60						
	Domestic hot water	Water side Min.~Max.			25~75						
Sound power level	Nom.				44						
Sound pressure level	Nom.				30						
Outdoor Unit					EPGA	11DV		14DV		16DV	
Dimensions	Unit	HeightxWidthxDepth	mm		1.440x1.160x380						
Weight	Unit				143						
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.			10~43						
	Domestic hot water	Min.~Max.			-28~35						
Refrigerant	Type				R-32						
	GWP				675,0						
	Charge				3,50						
	Charge				2,36						
	Control				Expansion valve						
Sound power level	Heating	Nom.			64				66		
	Cooling	Nom.					68				
Sound pressure level	Heating	Nom.			48		49		52		
	Cooling	Nom.					55				
Power supply	Name/Phase/Frequency/Voltage				V3/1N~/50/230						
Current	Recommended fuses				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) 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) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 H W


› reversible models

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

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › 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
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28°C



(3)

Efficiency data				EABX + EPGA	16D6V/D9W + 11DV		16D6V/D9W + 14DV		16D6V/D9W + 16DV	
Heating capacity	Nom.			kW	11,1 (1) / 11,3 (2)		14,5 (1) / 14,5 (2)		16,5 (1) / 15,6 (2)	
Power input	Heating	Nom.		kW	2,16 (1) / 2,91 (2)		2,91 (1) / 3,96 (2)		3,45 (1) / 4,21 (2)	
Cooling capacity	Nom.			kW	10,5 (1) / 10,7 (2)		11,1 (1) / 11,9 (2)		13,5 (1) / 11,9 (2)	
Power input	Cooling	Nom.		kW	2,21 (1) / 3,30 (2)		2,72 (1) / 3,97 (2)		3,42 (1) / 3,97 (2)	
COP					5,15 (1) / 3,88 (2)		4,99 (1) / 3,65 (2)		4,78 (1) / 3,71 (2)	
EER					4,75 (1) / 3,23 (2)		4,09 (1) / 2,99 (2)		3,94 (1) / 2,99 (2)	
	Average climate water outlet 55°C	General	SCOP		3,32		3,37		3,43	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4,44		4,51		4,61	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Seasonal space heating eff. class		A++ A+++ (3)					
Indoor Unit				EABX	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	38					
Operation range	Heating	Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Water side	Min.~Max.	°C	25~75					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					
Outdoor Unit				EPGA	11DV		14DV		16DV	
Dimensions	Unit	HeightxWidthxDepth		mm	1.440x1.160x380					
Weight	Unit			kg	143					
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10~43					
	Domestic hot water	Min.~Max.		°CDB	-28~35					
Refrigerant	Type				R-32					
	GWP				675,0					
	Charge			kg	3,50					
	Charge			TCO ₂ Eq	2,36					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	64				66	
	Cooling	Nom.		dBA					68	
Sound pressure level	Heating	Nom.		dBA	48		49		52	
	Cooling	Nom.		dBA			55			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/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) 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) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3

ERGA-D 04-06-08 kW

Refrigerant split range powered by Bluevolution with R-32

Why choose **Daikin Altherma 3**?

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



High performance

- › Delivering temperatures up to 65°C at high efficiency, the R-32 Daikin Altherma 3 is suitable for both underfloor heating and radiators and retains its pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates.
- › The optimal combination of Bluevolution technology offers the highest performance:
 - » seasonal efficiency up to A+++ (energy label 2019)
 - » 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

Easy to install

- › Delivered ready to work: all key hydraulic elements are already factory mounted
- › The new design enables that all servicing can be done from the front and all piping can be accessed at the top of the unit
- › Stylish modern outlook
- › The outdoor unit is tested and charged with refrigerant, installation time is reduced

Easy commissioning :

- › Integrated high resolution colour interface
- › Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to work
- › Next to that the configuration can take place remotely to upload later on the unit after the day of the installation.

Easy to control

- › The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressors maximises the efficiency of the new R-32 Daikin Altherma 3 at each outdoor temperature, assuring consistent room temperatures at all times.
- › To control on a daily basis your home temperature, settings can be done anywhere at any time via the Daikin Online Controller 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 range can also be fully integrated with other home control systems



Control
via app

Daikin Altherma 3

offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies** providing the highest savings on running costs
- Perfect fit for **new builds**, as well as for low energy houses
- A leaving water temperature up to 65°C makes it also **a perfect choice for refurbishments**



To cover all applications, the R-32 Daikin Altherma 3 is available in 3 different indoor units



Floor standing unit with integrated domestic hot water tank

Compact and yet 100 % comfort guaranteed

- › All components and connections are factory mounted
- › Very small 595 x 625 mm installation footprint required
- › Minimum electrical input with constantly available hot water
- › Dedicated bi-zone models available: two temperature zones automatically regulated by the same indoor unit
- › Modern stylish design available in white or silver-grey



Floor standing unit with integrated ECH₂O tank

Integrated solar unit and domestic hot water tank

- Maximising renewable energy with top comfort for hot water preparation
- › Solar support for domestic hot water
 - › Lightweight plastic tank
 - › Bivalent option: can be combined with a secondary heat source
 - › App control available



Wall mounted unit

High flexibility for installation and domestic hot water connection

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



Daikin Altherma 3 R F

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

The Daikin Altherma 3 R floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump 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
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available
- › Dedicated bi-zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency

Domestic hot water

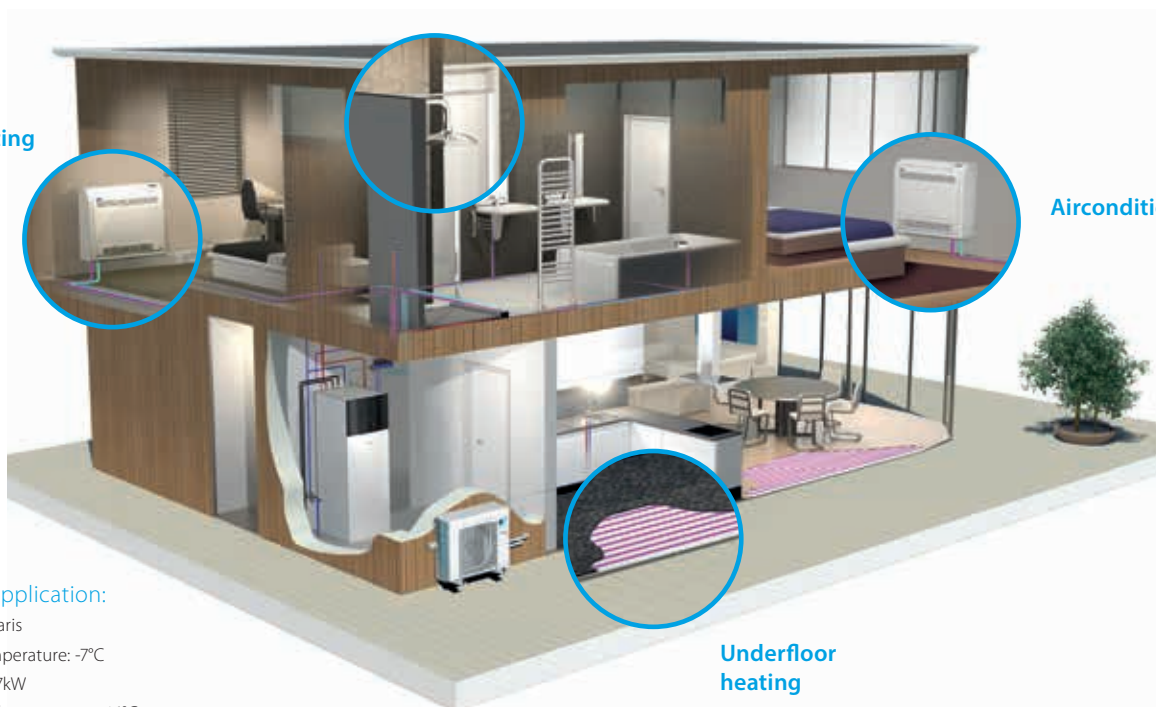
Heating

Airconditioning

Underfloor heating

Typical application:

Location: Paris
Design temperature: -7°C
Heat load: 7kW
Heating off temperature: 16°C



All-in one design

Reduces the installation footprint and height

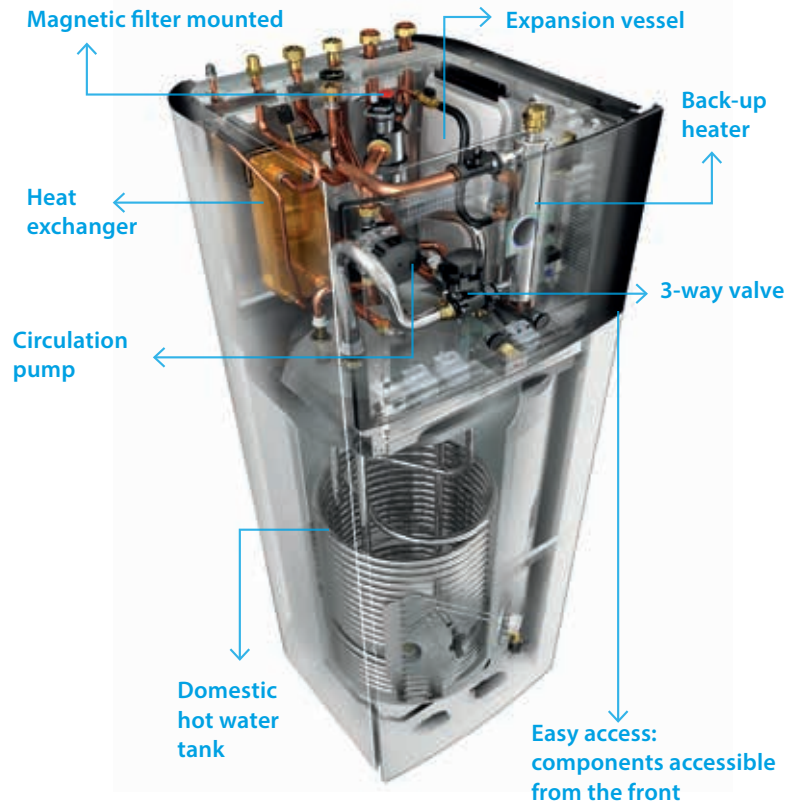
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 600 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation 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 of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



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 MMI in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

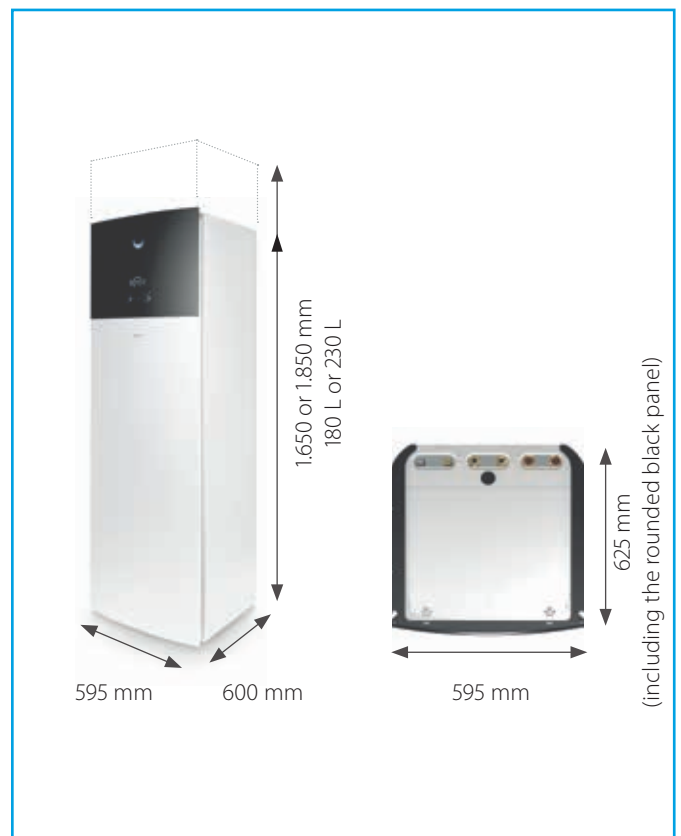
Easy operation

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

Beautiful design

The MMI 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.

Integrated indoor unit




Daikin
Altherma 3 R F
White edition

Air-to-water heat pump, up to 65°C flow



Indoor unit



	Type / Order No	Price €
	<p>Daikin Altherma 3 R integrated indoor unit Connectable to ERGA-DV or ERGA-DVA 4-6-8 kW outdoor units. Hydraulically equipped with integrated domestic hot water tank (180 l or 230 l), high-efficiency pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump, 3-way valve. A user Interface is included. Dimensions (W x D x H) for 180 l version: 595 x 625 x 1.650 mm Dimensions (W x D x H) for 230 l version: 595 x 626 x 1.850 mm</p> <p>Heating only (white)</p> <p>EHVH 4kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EHVH 4kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EHVH 4kW indoor unit with 230 l tank without backup heater 1~230 V for 4kW outdoor unit.</p> <p>EHVH 8kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EHVH 8kW indoor unit with 180 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p> <p>EHVH 8kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EHVH 8kW indoor unit with 230 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p> <p>EHVH 8kW indoor unit with 230 l tank without backup heater 1~230 V for 6-8kW outdoor units.</p> <p>Heating and cooling (white)</p> <p>EHVX 4kW indoor unit with 180 l tank and 3kW backup heater 1~230 V, for 4kW outdoor units.</p> <p>EHVX 4kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EHVX 4kW indoor unit with 230 l tank and 3kW backup heater 1~230 V, for 4kW outdoor units.</p> <p>EHVX 4kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EHVX 8kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EHVX 8kW indoor unit with 180 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p> <p>EHVX 8kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EHVX 8kW indoor unit with 230 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p>	<p>4 271,-</p> <p>4 357,-</p> <p>4 271,-</p> <p>4 425,-</p> <p>4 532,-</p> <p>4 513,-</p> <p>4 758,-</p> <p>4 425,-</p> <p>4 540,-</p> <p>4 540,-</p> <p>4 631,-</p> <p>4 631,-</p> <p>4 709,-</p> <p>4 804,-</p> <p>4 804,-</p> <p>5 043,-</p>

Daikin

Altherma 3 R F

Grey edition

Air-to-water heat pump,
up to 65°C flow



Indoor unit



Heating only (silver grey)

EHVH 4kW indoor unit with 180 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.

EHVH 4kW indoor unit with 230 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.

EHVH 4kW indoor unit with 230 l tank without backup heater

1~230 V for 4kW outdoor unit.

EHVH 8kW indoor unit with 180 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.

EHVH 8kW indoor unit with 180 l tank and 9kW backup heater

3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.

EHVH 8kW indoor unit with 230 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.

EHVH 8kW indoor unit with 230 l tank and 9kW backup heater

3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.

EHVH 8kW indoor unit with 230 l tank without backup heater

1~230 V for 6-8kW outdoor units.

Heating and cooling (silver grey)

EHVX 4kW indoor unit with 180 l tank and 3kW backup heater

1~230 V, for 4kW outdoor units.

EHVX 4kW indoor unit with 180 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.

EHVX 4kW indoor unit with 230 l tank and 3kW backup heater

1~230 V, for 4kW outdoor units.

EHVX 4kW indoor unit with 230 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.

EHVX 8kW indoor unit with 180 l tank and 6kW backup heater

1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.

EHVX 8kW indoor unit with 180 l tank and 9kW backup heater


3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.

EHVX 8kW indoor unit with 230 l tank and 6kW backup heater


1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.

EHVX 8kW indoor unit with 230 l tank and 9kW backup heater



3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.

	Type / Order No	Price €
	EHVH04S18D6VG	4 484,-
	EHVH04S23D6VG	4 574,-
	EHVH04S23DVG	4 484,-
	EHVH08S18D6VG	4 646,-
	EHVH08S18D9WG	4 758,-
	EHVH08S23D6VG	4 739,-
	EHVH08S23D9WG	4 996,-
	EHVH08S23DVG	4 646,-
	EHVX04S18D3VG	4 766,-
	EHVX04S18D6VG	4 766,-
	EHVX04S23D3VG	4 862,-
	EHVX04S23D6VG	4 862,-
	EHVX08S18D6VG	4 944,-
	EHVX08S18D9WG	5 043,-
	EHVX08S23D6VG	5 043,-
	EHVX08S23D9WG	5 295,-









Indoor unit

	Type / Order No	Price €
	Daikin Altherma 3 R integrated indoor unit (Bi-zone model) Connectable only to ERGA-DV 4-6-8 kW outdoor units. Hydraulically equipped with integrated domestic hot water tank (180 l or 230 l) and all additional hydraulic accessories to realize systems with 1 unmixed zone and 1 mixing zone. Including high-efficiency pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump, 3-way valve. A user Interface is included. Dimensions (W x D x H) for 180 l version: 595 x 625 x 1.650 mm Dimensions (W x D x H) for 230 l version: 595 x 626 x 1.850 mm	
	Heating only (white)	
	EHVZ 4kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4 kW standard series outdoor units.	EHVZ04S18D6V 5 209,-
	EHVZ 8kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW standard series outdoor units.	EHVZ08S18D6V 5 365,-
	EHVZ 8kW indoor unit with 180 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW standard series outdoor units.	EHVZ08S18D9W 5 365,-
	EHVZ 8kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW standard series outdoor units.	EHVZ08S23D6V 5 472,-
	EHVZ 8kW indoor unit with 230 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW standard series outdoor units.	EHVZ08S23D9W 5 472,-
	Heating only (silver grey)	
	EHVZ 4kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4 kW standard series outdoor units.	EHVZ04S18D6VG 5 469,-
	EHVZ 8kW indoor unit with 180 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW standard series outdoor units.	EHVZ08S18D6VG 5 633,-
	EHVZ 8kW indoor unit with 180 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW standard series outdoor units.	EHVZ08S18D9WG 5 633,-
	EHVZ 8kW indoor unit with 230 l tank and 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW standard series outdoor units.	EHVZ08S23D6VG 5 746,-
	EHVZ 8kW indoor unit with 230 l tank and 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW standard series outdoor units.	EHVZ08S23D9WG 5 746,-







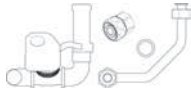
Outdoor unit and accessories

	Type / Order No	Price €
	Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) R-32 inverter split heat pump outdoor unit with an inverter-controlled compressor / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 884 x 388 x 740 mm. Low Amp range ERGA*DVA outdoor units are only connectable to non-bi-zone indoor units	
	Standard series	
	Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 20A	ERGA04DV 1 740,-
	Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 20A	ERGA06DV 1 915,-
	Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 25A	ERGA08DV 2 374,-
	Low Amp series	
	Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 16A	ERGA04DVA 1 740,-
	Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 16A	ERGA06DVA 1 915,-
	Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 16A	ERGA08DVA 2 374,-
	Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxDxH): 1.190x970x714 mm Sound reduction -3 dB(A)	EKLN08A1 1 715,-
	Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.	EKDP008D 187,-
	Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.	EKDPH008C 278,-
	Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.	EKFT008D 101,-

Controls

	Type / Order No.	Price €
	Madoka wired remote user interface (replacing EKRUDAS) Simplified user interface / room thermostat Enables the user to set operation mode (heating, cooling or automatic), set/control desired room and hot water temperature. Available in white (W), silver (S) and black (K).	121,-
	BRC1HHDW	
	BRC1HHDS	121,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	122,-
	BRP069A62 BRP069A61	189,-
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	152,-
	EKRTWA	
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTTR).	17,-
	EKRTETS	
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	84,-
	KRCS01-1	
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	96,-
	EKRSC1	
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	159,-
	EKRP1HBA	
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	158,-
	EKRP1AHT	

Accessories

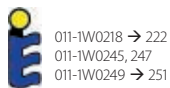
	Type / Order No.	Price €
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	212,-
	K.FERNOXTF1	
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	317,-
	EKPCCAB4	
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	1 038,-
	BZKA7V3	
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	97,-
	UESV 20 UESV 25	126,-
	Corner pipe bend kit	114,-
	EKHVTC	
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms.	762,-
	FWXV15A FWXV20A	819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	131,-
	EKVKHPC	

Daikin Altherma 3 R F

› heating only models

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
- › 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
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25°C



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





(3)



(3)



Efficiency data				EHVH + ERGA		04S18D6V(G)+ 04DV3(A)	04S23D6V(G) + 04DV3(A)	08S18D6V(G)/D9W(G) + 06DV3(A)	08S23D6V(G)/D9W(G) + 06DV3(A)	08S18D6V(G)/D9W(G) + 08DV3(A)	08S23D6V(G)/D9W(G) + 08DV3(A)
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		0,850 (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)	
 Space heating	Average climate	General	SCOP			3,26				3,32	
	water outlet		ηs (Seasonal space heating efficiency)	%		127				130	
	55°C		Seasonal space heating eff. class			A++					
	Average climate	General	SCOP			4,48		4,47		4,56	
	water outlet		ηs (Seasonal space heating efficiency)	%		176				179	
	35°C		Seasonal space heating eff. class			A+++ (3)					
 Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
	Average climate		ηwh (water heating efficiency)	%		125	133	125	133	125	133
			Water heating energy efficiency class				A+ (3)				
Indoor Unit				EHVH	04S18D6V(G)	04S23D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	
Casing	Colour					White + Black					
	Material					Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm		1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	
Weight	Unit		kg		131	139	131	139	131	139	
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	Heating	Ambient	Min.~Max.	°C	5~30						
		Water side	Min.~Max.	°C	15 ~65						
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35						
		Water side	Max.	°C	70						
Sound power level	Nom.		dBA		42						
Sound pressure level	Nom.		dBA		28						
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)				
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388						
Weight	Unit		kg		58,5						
Compressor	Quantity				1						
	Type				Hermetically sealed swing compressor						
Operation range	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	TCO ₂ Eq			1,01						
	Control				Expansion valve						
Sound power level	Heating	Nom.	dBA		58	60	62				
	Cooling	Nom.	dBA		61		62				
Sound pressure level	Heating	Nom.	dBA		44	47	49				
	Cooling	Nom.	dBA		48	49	50				
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230						
Current	Recommended fuses			A	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 45°C (DT = 5°C)

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

Daikin Altherma 3 R F

› reversible models

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
- › 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
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 3, 6, 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25°C



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



(3)



(3)



65°C



R-32

Efficiency data				EHVX + ERGA	04S18D3V(G)/ D6V(G) + 04DV3(A)	04S23D3V(G)/ D6V(G) + 04DV3(A)	08S18D6V(G)/ D9W(G) + 06DV3(A)	08S23D6V(G)/ D9W(G) + 06DV3(A)	08S18D6V(G)/ D9W(G) + 08DV3(A)	08S23D6V(G)/ D9W(G) + 08DV3(A)
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	0,850 (1) / 1,26 (2)		1,24 (1) / 1,69 (2)		1,63 (1) / 2,23 (2)	
Cooling capacity	Nom.			kW	5,56 (1) / 4,37 (2)		5,96 (1) / 4,87 (2)		6,25 (1) / 5,35 (2)	
Power input	Cooling	Nom.		kW	0,940 (1) / 1,14 (2)		1,06 (1) / 1,33 (2)		1,16 (1) / 1,51 (2)	
COP					5,10 (1) / 3,65 (2)		4,85 (1) / 3,50 (2)		4,60 (1) / 3,50 (2)	
EER					5,94 (1) / 3,84 (2)		5,61 (1) / 3,67 (2)		5,40 (1) / 3,54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP	ηs (Seasonal space heating efficiency)	3,26				3,32	
			Seasonal space heating eff. class		127				130	
	Average climate water outlet 35°C	General	SCOP	ηs (Seasonal space heating efficiency)	4,48				4,56	
			Seasonal space heating eff. class		176				179	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	η _{wh} (water heating efficiency)			127	134	125	133	125	133
		Water heating energy efficiency class			A++ (3)					

Indoor Unit				EHVX	04S18D3V(G)/ D6V(G)	04S23D3V(G)/ D6V(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)
Casing	Colour	White + Black								
	Material	Resin / Sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm		1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625	1.650x595x625	1.850x595x625
Weight	Unit		kg		131	139	131	139	131	139
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	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~65					
	Cooling	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388			
Weight	Unit		kg	58,5			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	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		TCO ₂ Eq	1,01			
	Control			Expansion valve			
Sound power level	Heating	Nom.	dBA	58	60	62	
	Cooling	Nom.	dBA	61			
Sound pressure level	Heating	Nom.	dBA	44	47	49	
	Cooling	Nom.	dBA	48	49	50	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230			
Current	Recommended fuses		A	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 45°C (DT = 5°C)

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

Daikin Altherma 3 R F

› bi-zone models

Floor standing integrated with **two different temperature zones monitoring**

- › 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
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 600 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25°C





011-1W0218 → 222



(3)



Efficiency data				EHVZ + ERGA	04S18D6V(G) + 04DV3(A)	08S18D6V(G)/D9W(G) + 06DV3(A)	08S23D6V(G)/D9W(G) + 06DV3(A)	08S18D6V(G)/D9W(G) + 08DV3(A)	08S23D6V(G)/D9W(G) + 08DV3(A)
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	0,850 (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)	
 Space heating	Average climate	General	SCOP		3,26			3,32	
	water outlet		ηs (Seasonal space heating efficiency)	%	127			130	
	55°C		Seasonal space heating eff. class		A++				
	Average climate	General	SCOP		4,48	4,47		4,56	
	water outlet		ηs (Seasonal space heating efficiency)	%	176			179	
	35°C		Seasonal space heating eff. class		A+++ (3)				
 Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)			125		133	125	133
		Water heating energy efficiency class			A+ (3)				
Indoor Unit				EHVZ	04S18D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour				White + Black				
	Material				Resin / Sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	1.650x595x625		1.850x595x625	1.650x595x625	1.850x595x625
Weight	Unit				kg	136	144	136	144
Tank	Water volume				l	180	230	180	230
	Maximum water temperature				°C	70			
	Maximum water pressure				bar	10			
	Corrosion protection					Pickling			
	Operation range	Heating	Ambient	Min.~Max.	°C	5~30			
		Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35				
		Water side	Max.	°C	70				
Sound power level	Nom.				dBA	42			
Sound pressure level	Nom.				dBA	28			
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)		
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388				
Weight	Unit				kg	58,5			
Compressor	Quantity					1			
	Type				Hermetically sealed swing compressor				
Operation range	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				TCO ₂ Eq	1,01			
	Control				Expansion valve				
	Sound power level	Heating	Nom.	dBA	58	60	62		
	Cooling	Nom.	dBA	61		62			
Sound pressure level	Heating	Nom.	dBA	44	47	49			
	Cooling	Nom.	dBA	48	49	50			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230				
Current	Recommended fuses			A	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 45°C (DT = 5°C)

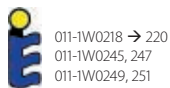
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 R F

- › heating only models
- › without backup heater

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
- › 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
- › Small installation footprint of 595 x 600 mm
- › Outdoor unit extracts heat from the outdoor air, even at -25°C



011-1W0218 → 220
011-1W0245, 247
011-1W0249, 251



A+++





A+

65°C

R-32

(3)

Efficiency data				EHVH + ERGA	04S23DV(G) + 04DV3(A)	08S23DV(G) + 06DV3(A)	08S23DV(G) + 08DV3(A)
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	0,850 (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)
 Space heating	Average climate water outlet 55°C	General	SCOP		3,26		3,32
			η _{sp} (Seasonal space heating efficiency)	%	127		130
			Seasonal space heating eff. class			A++	
	Average climate water outlet 35°C	General	SCOP		4,48	4,47	4,56
			η _{sp} (Seasonal space heating efficiency)	%	176		179
			Seasonal space heating eff. class			A+++ (3)	
 Domestic hot water heating	General	Declared load profile				XL	
	Average		η _{wh} (water heating efficiency)	%		134	
	climate	Water heating energy efficiency class				A+ (3)	
Indoor Unit				EHVH	04S23DV(G)	08S23DV(G)	08S23DV(G)
Casing	Colour				White + Black		
	Material				Resin / Sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm	1.850x595x625		
Weight	Unit			kg	139		
Tank	Water volume			l	230		
	Maximum water temperature			°C	70		
	Maximum water pressure			bar	10		
	Corrosion protection				Pickling		
Operation range	Heating	Ambient	Min.~Max.	°C	5~30		
		Water side	Min.~Max.	°C	10 ~70		
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35		
		Water side	Max.	°C	70		
Sound power level	Nom.			dBA	42		
Sound pressure level	Nom.			dBA	28		
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58,5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	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			TCO ₂ Eq	1,01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61	62	
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

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

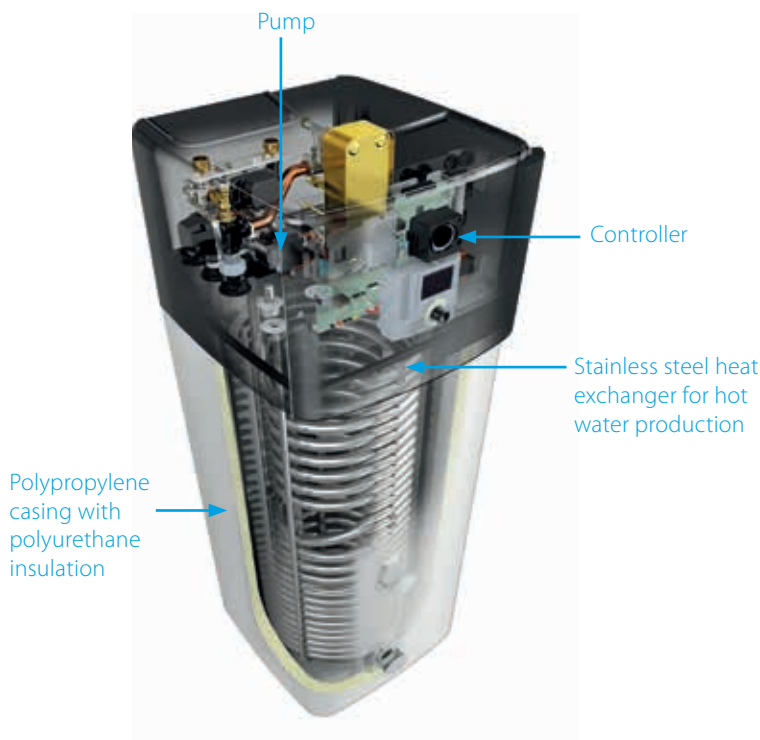
Daikin Altherma 3 R ECH₂O

The Daikin Altherma 3 R ECH₂O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

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 (500l 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

ECH₂O



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

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

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 in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

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.

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 hot water system.

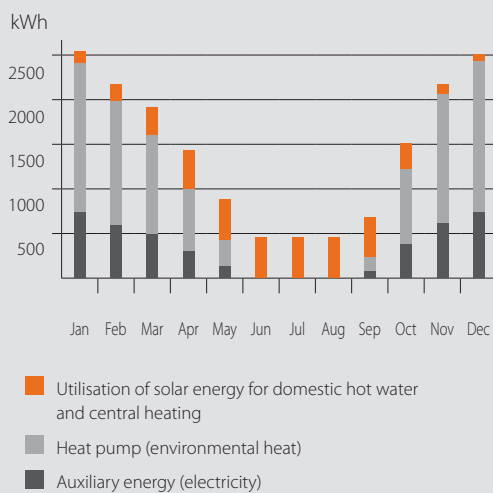
Pressureless (drain-back) solar system (EHSB-D, EHSX-D)

- › 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 (EHSB-D, EHSXB-D)

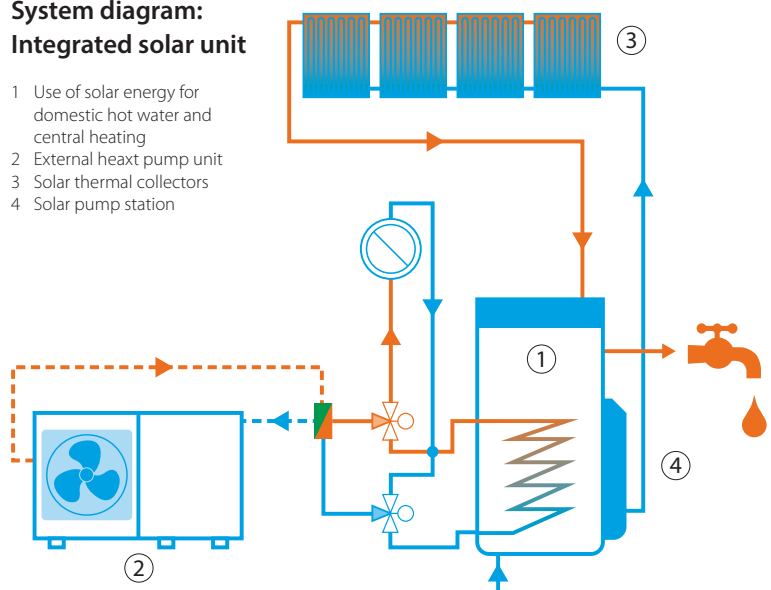
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

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




Daikin Altherma 3 R ECH₂O





Air-to-water heat pump,
up to 65°C flow






Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma 3 R ECH₂O indoor unit Indoor unit with integrated 300 l / 500 l energy store for hygienic hot water generation on the instantaneous through-flow principle. Hydraulically equipped with a high-efficiency pump, diverter valves for hot water / heating and heating / cooling with integrated return flow temperature limitation for solar use, integrated overflow, safety module with electronic pressure gauge and safety valve, flow sensor and filling and drain cocks. Optional additional heat exchanger for pressurised solar applications or external heat generators. Immersion Back-up heater (1,3 or 9 kW) and switch-box must be ordered separately.</p> <p>Heating and Cooling EHSX compact indoor unit with 300 l Tank For outdoor units 4 kW, 6 kW, 8 kW Dimensions (W x D x H) 595 x 615 x 1.891 mm. EHSX compact, 300 l, H/C, 4 kW EHSX compact, 300 l, H/C, 6- 8 kW</p> <p>Bivalent version with additional heat exchanger EHSXB compact, 300 l, H/C, Biv, 4kw EHSXB compact, 300 l, H/C, Biv, 6-8kw</p> <p>EHSX compact indoor unit with 500 l Tank For outdoor units 4 kW, 6 kW, 8 kW Dimensions (W x D x H) 790 x 790 x 1.896 mm. EHSX compact, 500 l, H/C, 4 kW EHSX compact, 500 l, H/C, 6-8 kW</p> <p>Bivalent version with additional heat exchanger EHSXB compact, 500 l, H/C, Biv, 4 kW EHSXB compact, 500 l, H/C, Biv, 6-8 kW</p> <p>Heating only EHSX compact indoor unit with 300 l Tank For outdoor units 4 kW, 6 kW, 8 kW Dimensions (W x D x H) 595 x 615 x 1.891 mm. EHSX compact, 300 l, H, 4 kW EHSX compact, 300 l, H, 6-8 kW</p> <p>Bivalent version with additional heat exchanger EHSXB compact, 300 l, H, Biv, 4kw EHSXB compact, 300 l, H, Biv, 6-8kw</p> <p>EHSX compact indoor unit with 500 l Tank For outdoor units 4 kW, 6 kW, 8 kW Dimensions (W x D x H) 790 x 790 x 1.896 mm. EHSX compact, 500 l, H, 6-8 kW</p> <p>Bivalent version with additional heat exchanger EHSXB compact, 500 l, H, Biv, 6-8 kW</p>		
	EHSX04P30D	4 147,-
	EHSX08P30D	4 304,-
	EHSXB04P30D	4 399,-
	EHSXB08P30D	4 510,-
	EHSX04P50D	4 572,-
	EHSX08P50D	4 729,-
	EHSXB04P50D	4 837,-
	EHSXB08P50D	4 948,-
	EHSX04P30D	3 804,-
	EHSX08P30D	3 961,-
	EHSXB04P30D	4 065,-
	EHSXB08P30D	4 233,-
	EHSX08P50D	4 303,-
	EHSXB08P50D	4 594,-


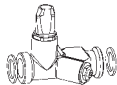








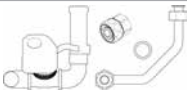
Outdoor unit and accessories

	Type	Order No	Price €
	Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) R-32 inverter split heat pump outdoor unit with an inverter-controlled compressor / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 884 x 388 x 740 mm. Low Amp range ERGA*DVA outdoor units are only connectable to non-bi-zone indoor units		
	Standard series		
	Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 20A	ERGA04DV	1 740,-
	Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 20A	ERGA06DV	1 915,-
	Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 25A	ERGA08DV	2 374,-
	Low Amp series		
	Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 16A Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 16A Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 16A	ERGA04DVA ERGA06DVA ERGA08DVA	1 740,- 1 915,- 2 374,-
	Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxHxD): 1.190x970x714 mm Sound reduction -3 dB(A)		EKLN08A1 1 715,-
	Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.		EKDP008D 187,-
	Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.		EKDPH008C 278,-
	Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.		EKFT008D 101,-
	Type	Order No.	Price €
	Back-up heater Electric immersion heater for R-32 ECH ₂ O indoor unit. Mandatory EKBUHSWB Switch-box must be ordered separately. 1.000 Watt Back-up heater 3.000 Watt Back-up heater 9.000 Watt Back-up heater		EKBUB1C EKBUB3C EKBUB9C on request on request 516,-
	Back-up heater switch-box Mandatory for connecting the EKBU back-up heater range		EKBUHSWB 92,-
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings		K.FERNOXTF1 212,-

Regulation accessories

	Type	Order No	Price €
	Room controller RoCon U1 Convenience regulation with wall housing. Used for: a) A remote control (external equipment controller) b) Mixer operating unit (additional or standalone) c) Room thermostat for heat exchanger.		EHS157034 185,-
	Mixer module RoCon M1 Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS.		EHS157068 195,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.		EKRSC1 96,-
	Gateway RoCon G1 for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .		157056 732,-

Accessories

		Type / Order No.	Price €
	Convection brake To prevent circulation under gravity in water circuits with Drain-Back, 2 pcs. Suitable up to 95 °C (not suitable for tanks with pressure solar heat exchanger).	SKB 165070	15,-
	Solar panel FlowGuard solar flow regulator with solar flow indicator 2-16l / min.	FLG 164102-RTX	80,-
	Storage tank incorporation heat exchanger Variant 2 (storage tank return connection and electric immersion heater connection) Kit for connection of a wood-burning, pellet, oil or gas boiler to the LT compact or a ROTEX storage tank (compatible with all models from 2013) as an alternative to an electric immersion heater. Consists of: piping, fittings, storage tank incorporation and circulation pump. For the connection of a boiler to the unpressurised area, you will need an additional plate heat exchanger (e.g. ROTEX RPWT1 Order No. 162031-RTX). This variant can only be realised with controllable heat generators	SAK 160130	463,-
	Fill and drain connection For RPS3 and tanks from 2013, for easy filling and emptying through the fill and drain valve	KFE BA 165215	33,-
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x1" male thread heating circuit connections, 1 x 1/2" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC 172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC 172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500 156025	923,-
	Pump group with mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature display	MK 156075	910,-
	Pump group without mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWM controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	PK 156077	647,-
	Fittings kit for mixer group MK1/MK2 1" female thread x 1 1/2" flat-sealing	156053	26,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	FWXV15A FWXV20A	762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-





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
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



011-IW0262
011-IW0264 → 267

Efficiency data				EHS + ERGA	04P30D + 04DV3(A)	08P30D + 06DV3(A)	08P50D + 06DV3(A)	08P30D + 08DV3(A)	08P50D + 08DV3(A)	
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	0,85 (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)		
 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				A++					
	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				A+++ (3)					
 Domestic hot water heating	General	Declared load profile			L		XL	L	XL	
	Average climate	ηwh (water heating efficiency)			108		106	108	106	
	Water heating energy efficiency class				A					
Indoor Unit				EHS	04P30D	08P30D	08P50D	08P30D	08P50D	
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1.891x595x615		1.896x790x790	1.891x595x615	1.896x790x790	
Weight	Unit				kg	73	93	73	93	
Tank	Water volume			l	294	477	294	477		
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~-25					
		Water side	Min.~Max.	°C	18~-65					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~-35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39,1					
Sound pressure level	Nom.			dBA	28					
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)			
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388					
Weight	Unit				kg	58,5				
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.		°CDB	10,0~43,0					
	Domestic hot water	Min.~Max.		°CDB	-25 ~35					
Refrigerant	Type				R-32					
	GWP				675,0					
	Charge	kg			1,50					
	Charge	TCO ₂ Eq			1,01					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	58	60	62			
	Cooling	Nom.		dBA	61	62				
Sound pressure level	Heating	Nom.		dBA	44	47	49			
	Cooling	Nom.		dBA	48	49	50			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230					
Current	Recommended fuses			A	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 45°C (DT = 5°C)

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

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
- › 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





A+++
(3)



A

65°C

R-32

Efficiency data				EHSB + ERGA	04P30D + 04DV3(A)	08P30D + 06DV3(A)	08P50D + 06DV3(A)	08P30D + 08DV3(A)	08P50D + 08DV3(A)
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	0,85 (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)	
 Space heating	Average climate water outlet 55°C	General	SCOP		3,26		3,32		
			ηs (Seasonal space heating efficiency)	%	127		130		
	Average climate water outlet 35°C	General	Seasonal space heating eff. class		A++				
			SCOP		4,48	4,47		4,56	
			ηs (Seasonal space heating efficiency)	%	176		179		
			Seasonal space heating eff. class		A+++ (3)				
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	
	Average climate	ηwh (water heating efficiency)		%	108	109	108	109	
		Water heating energy efficiency class			A				

Indoor Unit				EHSB	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm		1.891x595x615		1.896x790x790	1.891x595x615	1.896x790x790
Weight	Unit		kg		73		93	73	93
Tank	Water volume		l		294		477	294	477
	Maximum water temperature		°C				85		
Operation range	Heating	Ambient	Min.~Max.	°C			-25~-25		
		Water side	Min.~Max.	°C			18~65		
	Domestic hot water	Ambient	Min.~Max.	°CDB			-25~35		
		Water side	Min.~Max.	°C			25~55		
Sound power level	Nom.			dBA			39,1		
Sound pressure level	Nom.			dBA			28		

Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58,5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB			10,0~43,0	
	Domestic hot water	Min.~Max.	°CDB			-25 ~35	
Refrigerant	Type					R-32	
	GWP					675,0	
	Charge		kg			1,50	
	Charge		TCO ₂ Eq			1,01	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61		62
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/230	
Current	Recommended fuses		A			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 45°C (DT = 5°C)

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



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
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



011-IW0262 → 267

Efficiency data				EHSX + ERGA	04P30D + 04DV3(A)	04P50D + 04DV3(A)	08P30D + 06DV3(A)	08P50D + 06DV3(A)	08P30D + 08DV3(A)	08P50D + 08DV3(A)
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	0,85 (1) / 1,26 (2)		1,24 (1) / 1,69 (2)		1,63 (1) / 2,23 (2)	
Cooling capacity	Nom.			kW	5,56 (1) / 4,37 (2)		5,96 (1) / 4,87 (2)		6,25 (1) / 5,35 (2)	
Power input	Cooling	Nom.		kW	0,94 (1) / 1,14 (2)		1,06 (1) / 1,33 (2)		1,16 (1) / 1,51 (2)	
COP					5,10 (1) / 3,65 (2)		4,85 (1) / 3,50 (2)		4,60 (1) / 3,50 (2)	
EER					5,94 (1) / 3,84 (2)		5,61 (1) / 3,67 (2)		5,40 (1) / 3,54 (2)	
 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		A++					
	Average climate water outlet 35°C	General	SCOP		4,48		4,47		4,56	
			η _s (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++ (3)					
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	η _{wh} (water heating efficiency)	%		108	106	108	106	108	106
		Water heating energy efficiency class			A					

Indoor Unit				EHSX	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm		1.891x595x615	1.896x790x790	1.891x595x615	1.896x790x790	1.891x595x615	1.896x790x790
Weight	Unit		kg		73	93	73	93	73	93
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	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					
	Sound power level	Nom.		dBA	39,1					
	Sound pressure level	Nom.		dBA	28					
Outdoor Unit				ERGA	04DV3(A)		06DV3(A)		08DV3(A)	
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388					
Weight	Unit		kg		58,5					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.	°CDB		10,0~43,0					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
Refrigerant	Type				R-32					
	GWP				675,0					
	Charge		kg		1,50					
	Charge		TCO ₂ Eq		1,01					
	Control				Expansion valve					
Sound power level	Heating	Nom.	dBA		58	60	62			
	Cooling	Nom.	dBA		61	62				
Sound pressure level	Heating	Nom.	dBA		44	47	49			
	Cooling	Nom.	dBA		48	49	50			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230					
Current	Recommended fuses			A	25					

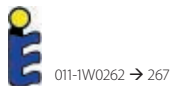
(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

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

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 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
- › 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 → 267



Efficiency data				EHSXB + ERGA	04P30D + 04DV3(A)	04P50D + 04DV3(A)	08P30D + 06DV3(A)	08P50D + 06DV3(A)	08P30D + 08DV3(A)	08P50D + 08DV3(A)
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	0,85 (1) / 1,26 (2)		1,24 (1) / 1,69 (2)		1,63 (1) / 2,23 (2)	
Cooling capacity	Nom.			kW	5,56 (1) / 4,37 (2)		5,96 (1) / 4,87 (2)		6,25 (1) / 5,35 (2)	
Power input	Cooling	Nom.		kW	0,94 (1) / 1,14 (2)		1,06 (1) / 1,33 (2)		1,16 (1) / 1,51 (2)	
COP					5,10 (1) / 3,65 (2)		4,85 (1) / 3,50 (2)		4,60 (1) / 3,50 (2)	
EER					5,94 (1) / 3,84 (2)		5,61 (1) / 3,67 (2)		5,40 (1) / 3,54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3,26				3,32	
			η _s (Seasonal space heating efficiency)	%	127				130	
	Average climate water outlet 35°C	General	Seasonal space heating eff. class		A++					
			SCOP		4,48				4,56	
Domestic hot water heating	Average climate	General	η _{wh} (water heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++ (3)					
	Declared load profile	General	Water heating energy efficiency class		A					
			Water heating energy efficiency class							

Indoor Unit				EHSXB	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm		1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790
Weight	Unit		kg		76	99	76	99	76	99
Tank	Water volume		l		294	477	294	477	294	477
	Maximum water temperature		°C		85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	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					
	Sound power level	Nom.		dBA	39,1					
	Sound pressure level	Nom.		dBA	28					

Outdoor Unit				ERGA	04DV3(A)	06DV3(A)	08DV3(A)
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit		kg		58,5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB		10,0~43,0		
	Domestic hot water	Min.~Max.	°CDB		-25 ~35		
Refrigerant	Type				R-32		
	GWP				675,0		
	Charge		kg		1,50		
	Charge		TCO ₂ Eq		1,01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61	62	
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230		
Current	Recommended fuses		A		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 45°C (DT = 5°C)

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

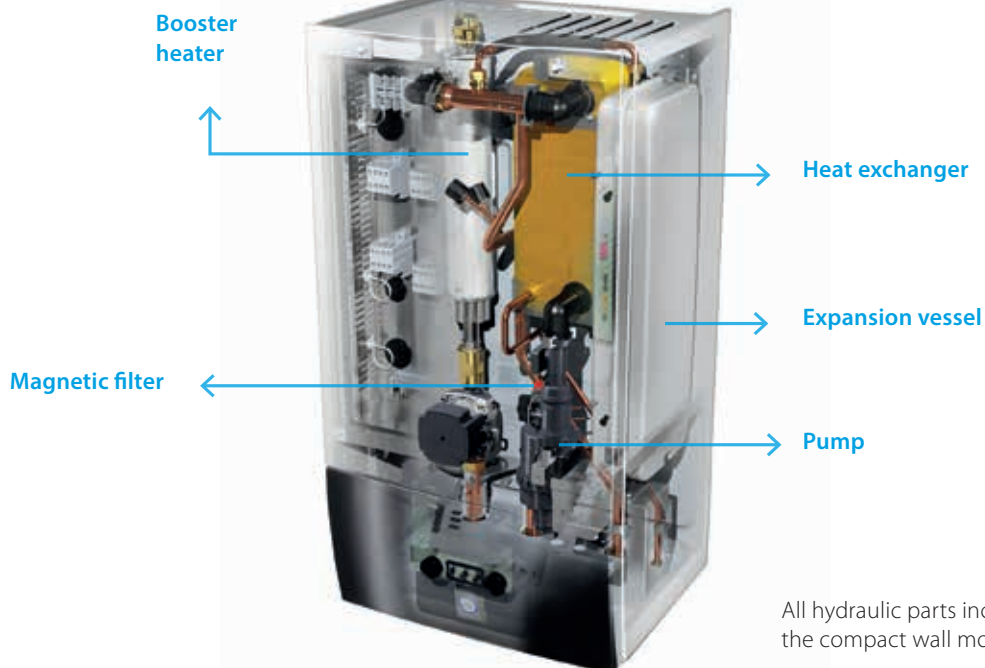
Daikin Altherma 3 R W

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R split 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 and domestic hot water connection

- › 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



All hydraulic parts included in the compact wall mounted unit

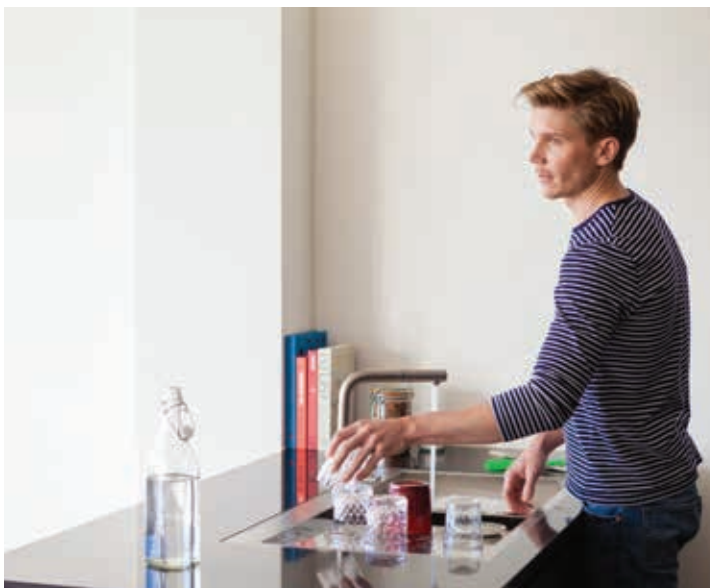
Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

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



How does it work?

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

Example of installation with a stainless steel domestic hot water tank.




Daikin Altherma 3 R W



Air-to-water heat pump,
up to 65°C flow









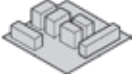
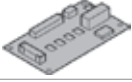
Indoor unit

	Type / Order No	Price €
 <p>Daikin Altherma 3 R wall mounted indoor unit Connectable to ERGA-DV or ERGA-DVA 4-6-8 kW outdoor units. Hydraulically equipped with high-efficiency pump, expansion vessel, flow sensor, magnetic filter with safety valve and air purge, backup heater, circulation pump, 3-way valve. User Interface is included. Dimensions (WxDxH) 440 x 390 x 840 mm.</p> <p>Heating only</p> <p>EBBH 4kW indoor unit with 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EBBH 8kW indoor unit with 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EBBH 8kW indoor unit with 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p> <p>Heating and cooling</p> <p>EBHX 4kW indoor unit with 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 4kW outdoor units.</p> <p>EBHX 8kW indoor unit with 6kW backup heater 1~230 V, backup heater adjustable to 2, 4 or 6 kW. For 6-8kW outdoor units.</p> <p>EBHX 8kW indoor unit with 9kW backup heater 3~400 V, backup heater adjustable to 3, 6 or 9 kW. For 6-8kW outdoor units.</p>		
	EBBH04D6V	2 926,-
	EBBH08D6V	3 081,-
	EBBH08D9W	3 236,-
	EBHX04D6V	3 194,-
	EBHX08D6V	3 362,-
	EBHX08D9W	3 523,-







Outdoor unit and accessories

	Type / Order No	Price €
 <p>Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) R-32 inverter split heat pump outdoor unit with an inverter-controlled compressor / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25°C external temperature. Dimensions (W x D x H) 884 x 388 x 740 mm. Low Amp range ERGA®DVA outdoor units are only connectable to non-bi-zone indoor units</p> <p>Standard series</p> <p>Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 20A</p> <p>Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 20A</p> <p>Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 25A</p> <p>Low Amp series</p> <p>Daikin Altherma 3 outdoor unit 4kW 1~230 V, recommended fuses 16A</p> <p>Daikin Altherma 3 outdoor unit 6kW 1~230 V, recommended fuses 16A</p> <p>Daikin Altherma 3 outdoor unit 8kW 1~230 V, recommended fuses 16A</p>		
	ERGA04DV	1 740,-
	ERGA06DV	1 915,-
	ERGA08DV	2 374,-
	ERGA04DVA	1 740,-
	ERGA06DVA	1 915,-
	ERGA08DVA	2 374,-
 <p>Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxD): 1190x970x714 mm Sound reduction -3 dB(A)</p> <p>Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.</p> <p>Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.</p> <p>Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.</p>	EKLN08A1	1 715,-
	EKDP008D	187,-
	EKDPH008C	278,-
	EKFT008D	101,-









Controls

	Type / Order No.	Price €
	Madoka wired remote user interface (replacing EKRUDAS) Simplified user interface / room thermostat Enables the user to set operation mode (heating, cooling or automatic), set/control desired room and hot water temperature. Available in white (W), silver (S) and black (K).	121,-
	BRC1HHDW	
	BRC1HHDS	121,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	121,-
		189,-
 	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	152,-
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTTR).	17,-
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	84,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	96,-
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	159,-
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	158,-

Accessories

	Type / Order No.	Price €
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	212,-
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20 140111 97,-
		UESV 25 140116 126,-
	Corner pipe bend kit	114,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	FWXV15A 762,-
		FWXV20A 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	131,-

Controls

		Type / Order No.	Price €
	Booster heater kit for Altherma LT Electric immersion heater 230 V, 3.000 Watt (900 mm long) Including contactor/fuse assembly for Altherma LT wall mounted	EKBH3S	394,-
	E-Pac LT hot water switching kit Hot water switching kit for connecting hygienic storage tank (300 l, 500 l) to Daikin Altherma Low Temperature range. Includes 3-way valve with actuator, storage tank sensor and cable.		
	EP LT 3HX (for 300 l tank, heating and cooling) EP LT 5X (for 500 l tank, heating and cooling)	EKDVCPLT3HX EKDVCPLT5X	335,- 694,-
	Hot water tank connection kit Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART	213,-
	Hot water tank connection kit Valve kit for connection to 3rd party tank with built in thermostat	EKHY3PART2	223,-
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x 1/2" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC 172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC 172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500 156025	923,-



Daikin Altherma 3 R W

› heating only models

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

- › 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.
- › Outdoor unit extracts heat from the outdoor air, even at -25°C




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



(3)



Efficiency data				EHBH + ERGA	04D6V + 04DV3(A)	08D6V + 06DV3(A)	08D9W + 06DV3(A)	08D6V + 08DV3(A)	08D9W + 08DV3(A)
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	0,85 (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)	
 Space heating	Average climate water outlet 55°C	General	SCOP		3,26		3,32		130
			ηs (Seasonal space heating efficiency)	%	127				130
			Seasonal space heating eff. class		A++				
	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		A+++ (3)				
Indoor Unit				EHBH	04D6V	08D6V	08D9W	08D6V	08D9W
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	Heating	Water side Min.~Max.	°C	15 ~65					
	Domestic hot water	Water side Min.~Max.	°C	25~80					
Sound power level	Nom.		dBA	42					
Sound pressure level	Nom.		dBA	28					
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)		08DV3(A)	
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388					
Weight	Unit		kg	58,5					
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	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		TCO ₂ Eq	1,01					
	Control				Expansion valve				
Sound power level	Heating	Nom.	dBA	58	60		62		
	Cooling	Nom.	dBA	61			62		
Sound pressure level	Heating	Nom.	dBA	44	47		49		
	Cooling	Nom.	dBA	48	49		50		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230				
Current	Recommended fuses			A	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 45°C (DT = 5°C)

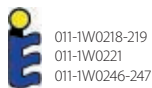
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 R W

› reversible models

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

- › 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.
- › Outdoor unit extracts heat from the outdoor air, even at -25°C



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




A+++

65°C

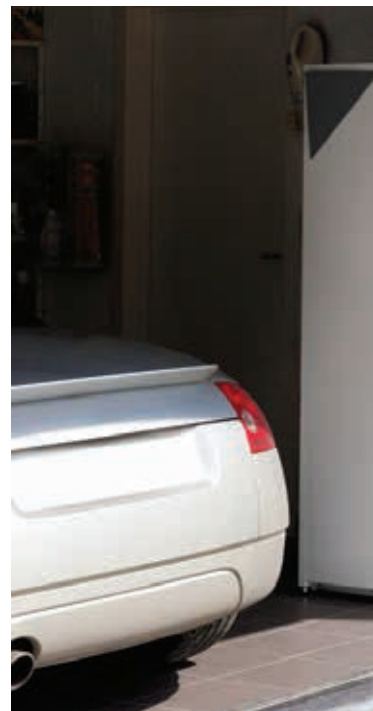
R-32

(3)

Efficiency data				EHBX + ERGA	04D6V + 04DV3(A)	08D6V + 06DV3(A)	08D9W + 06DV3(A)	08D6V + 08DV3(A)	08D9W + 08DV3(A)
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	0,850 (1) / 1,26 (2)	1,24 (1) / 1,69 (2)		1,63 (1) / 2,23 (2)	
Cooling capacity	Nom.			kW	5,56 (1) / 4,37 (2)	5,96 (1) / 4,87 (2)		6,25 (1) / 5,35 (2)	
Power input	Cooling	Nom.		kW	0,940 (1) / 1,14 (2)	1,06 (1) / 1,33 (2)		1,16 (1) / 1,51 (2)	
COP					5,10 (1) / 3,65 (2)	4,85 (1) / 3,50 (2)		4,60 (1) / 3,50 (2)	
EER					5,94 (1) / 3,84 (2)	5,61 (1) / 3,67 (2)		5,40 (1) / 3,54 (2)	
	Average climate water outlet 55°C	General	SCOP	%	3,26			3,32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	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		A+++ (3)				
Indoor Unit				EHBX	04D6V	08D6V	08D9W	08D6V	08D9W
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	Heating	Water side Min.~Max.	°C	15 ~65					
	Domestic hot water	Water side Min.~Max.	°C	25~80					
Sound power level	Nom.		dBA	42					
Sound pressure level	Nom.		dBA	28					
Outdoor Unit				ERGA	04DV3(A)	06DV3(A)		08DV3(A)	
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388					
Weight	Unit		kg	58,5					
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Cooling	Min.~Max.	°CDB	10~43					
	Domestic hot water	Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32				
	GWP				675,0				
	Charge				1,50				
	Charge	TCO ₂ Eq			1,01				
	Control				Expansion valve				
Sound power level	Heating	Nom.	dBA	58	60		62		
	Cooling	Nom.	dBA	61	62				
Sound pressure level	Heating	Nom.	dBA	44	47		49		
	Cooling	Nom.	dBA	48	49		50		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230				
Current	Recommended fuses			A	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 45°C (DT = 5°C)

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

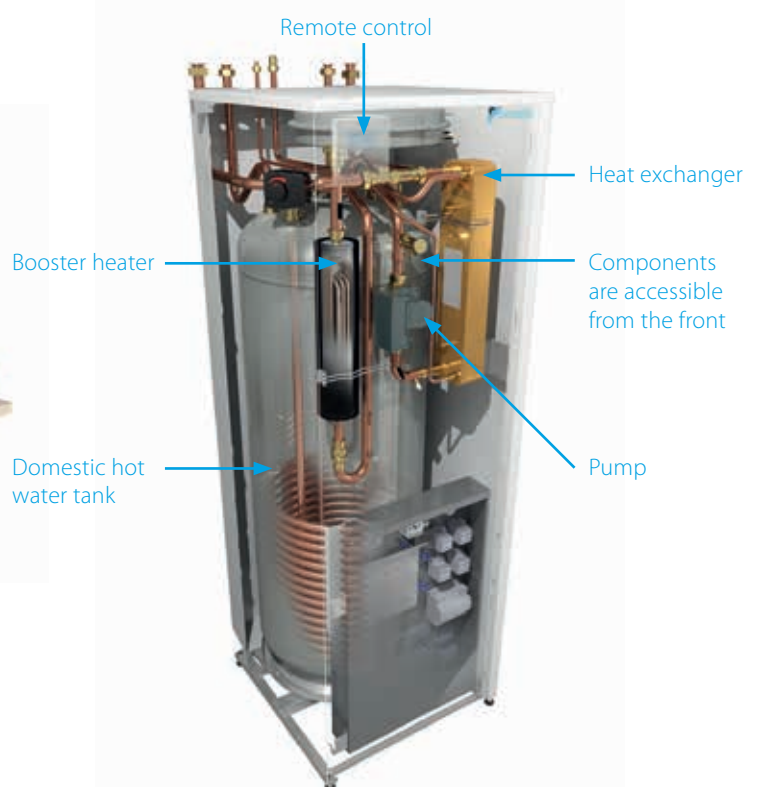


Daikin Altherma R F

The Daikin Altherma R floor standing unit heating delivers domestic hot water and cooling for new builds and low-energy houses.

All-in-one system to save installation space and time

- › A combined stainless steel domestic hot water tank 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
- › Small installation footprint with space reduced by more than 30%
- › Integrated bi-zone kit allows temperature monitoring for two zones: connect underfloor heating to radiators to optimise efficiency.





All-in-one design reduces the installation footprint and height

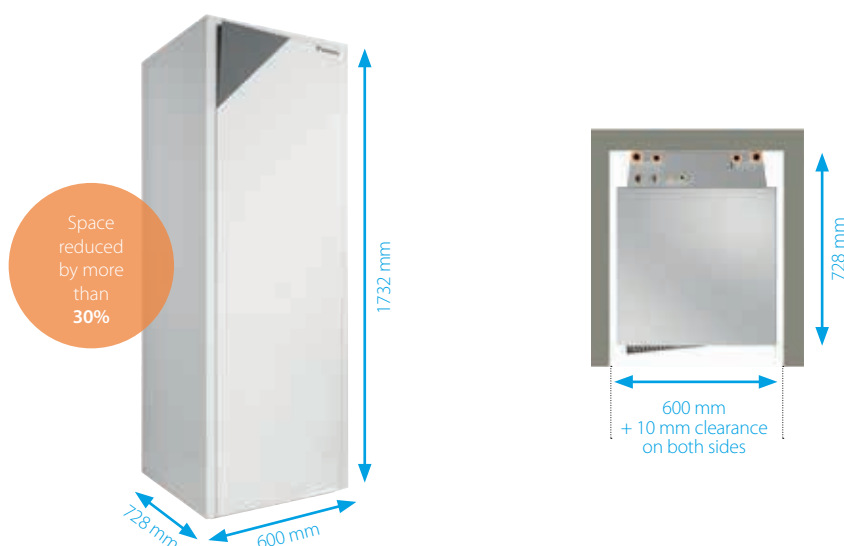
Compared to the traditional split version for a wall mounted indoor unit and separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

Smaller footprint: with a width of only 600 mm and a depth of 728 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit. This results in an installation footprint of only 0,45 m².

Low installation height: both the 180l and 260l version come with a height of 173 cm. The required installation height is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easily blending in with other household appliances.

Integrated indoor unit




Daikin Altherma R F


Air-to-water heat pump,
up to 55°C flow






Indoor unit

	Type / Order No	Price €
 <p>Daikin Altherma R integrated indoor unit For outdoor unit 4–16 kW. Hydraulically equipped with integrated domestic hot water tank (180 l for 4 – 16 kW; 260 l for 6 kW – 16 kW), high-efficiency pump, expansion vessel, safety module with pressure gauge and safety valve, flow monitor and filling and evacuation valves and brass dirt trap. Electrical equipment with load contactors for 3/6/9 kW auxiliary electric heating and heat circulating pump. User Interface is not included, EKRUCBL* is mandatory for system operation. Please order it additionally according to your needed languages. Dimensions (W x D x H) 600 x 728 x 1.732 mm.</p> <p>Heating only:</p> <p>EHVH 4 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 4 kW outdoor unit.</p> <p>EHVH 8 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 6 – 8 kW outdoor unit.</p> <p>EHVH 11 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 11 kW outdoor unit.</p> <p>EHVH 16 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 14 – 16 kW outdoor unit.</p> <p>EHVH 8 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 6 – 8 kW outdoor unit.</p> <p>EHVH 11 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 11 kW outdoor unit.</p> <p>EHVH 16 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 14 – 16 kW outdoor unit.</p> <p>Heating and cooling:</p> <p>EHVX 4 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 4 kW outdoor unit.</p> <p>EHVX 8 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 6 – 8 kW outdoor unit.</p> <p>EHVX 11 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 11 kW outdoor unit.</p> <p>EHVX 16 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 14 – 16 kW outdoor unit.</p> <p>EHVX 8 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 6 – 8 kW outdoor unit.</p> <p>EHVX 11 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 11 kW outdoor unit.</p> <p>EHVX 16 kW indoor unit with 260 l tank and 9 kW electric immersion heater 3~400 V for 14 – 16 kW outdoor unit.</p>		



Indoor unit

	Type / Order No	Price €
 <p>Daikin Altherma R integrated indoor unit (bi-zone model) For outdoor unit 4 – 16 kW. Hydraulically equipped with integrated 180 l domestic hot water tank and all additional hydraulic accessories to realize systems with 1 unmixed zone and 1 mixing zone. High-efficiency pump, expansion vessel, safety module with pressure gauge and safety valve, flow monitor and filling and evacuation valves and brass dirt trap. Electrical equipment with load contactors for 3 kW auxiliary electric heating and heat circulating pump. User Interface is not included, EKRUCBL* is mandatory for system operation. Please order it additionally according to your needed languages. Dimensions (WxDxH) 600 x 728 x 1.732 mm.</p> <p>Heating only:</p> <p>EHVZ 4 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 4 kW outdoor unit.</p> <p>EHVZ 8 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 6 – 8 kW outdoor unit.</p> <p>EHVZ 16 kW indoor unit with 180 l tank and 3 kW electric immersion heater 1~230 V for 11 – 16 kW external unit.</p>		
	EHVZ04S18CB3V	5 057,-
	EHVZ08S18CB3V	5 209,-
	EHVZ16S18CB3V	5 399,-










Outdoor unit and accessories

	Type / Order No	Price €
 <p>Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) Inverter split heat pump outdoor unit with an inverter-controlled compressor-/evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 825 x 300 x 735 mm.</p> <p>Daikin Altherma LT 4 kW outdoor unit 1~230 V Daikin Altherma LT 6 kW outdoor unit 1~230 V Daikin Altherma LT 8 kW outdoor unit 1~230 V</p>	ERLQ004CV3 ERLQ006CV3 ERLQ008CV3	1 690,- 1 859,- 2 305,-
 <p>Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxHxD): 1190x970x714 mm Sound reduction -3 dB(A)</p>	EKLN08A1	1 715,-
<p>Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.</p>	EKDP008C	183,-
<p>Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.</p>	EKDPH008C	278,-
<p>Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.</p>	EKFT008CA	152,-
 <p>Daikin Altherma low temperature outdoor unit 11 – 16 kW (Heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor-/evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range heating to -25 °C external temperature. Dimensions (W x D x H) 900 x 320 x 1.345 mm.</p> <p>Daikin Altherma LT 11 kW outdoor unit 3~400 V Daikin Altherma LT 14 kW outdoor unit 3~400 V Daikin Altherma LT 16 kW outdoor unit 3~400 V</p> <p>Daikin Altherma LT 11 kW outdoor unit 1~230 V Daikin Altherma LT 14 kW outdoor unit 1~230 V Daikin Altherma LT 16 kW outdoor unit 1~230 V</p>	ERLQ011CW1 ERLQ014CW1 ERLQ016CW1 ERLQ011CV3 ERLQ014CV3 ERLQ016CV3	3 451,- 4 138,- 4 716,- 3 058,- 3 654,- 4 150,-








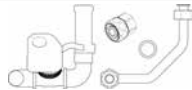
Mandatory controls and accessories

	Type / Order No.	Price €
 Remote user interface Used as a remote controller or a room thermostat for Altherma LT units Languages: German, French, Italian, Dutch Languages: English, Turkish, Polish, Romanian Languages: German, Czech, Slovenian, Slovak Languages: English, Croatian, Hungarian, Bulgarian Languages: English, German, Russian, Danish	EKRUCBL1 EKRUCBL4 EKRUCBL5 EKRUCBL6 EKRUCBL7	150,- 150,- 150,- 150,- 150,-
 Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	K.FERNOXTF1	212,-

Controls

	Type / Order No.	Price €
 Simplified user interface Can only be used in combination with the main user interface	EKRUCBS	150,-
 LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	BRP069A62 BRP069A61	122,- 189,-
 Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTWA	152,-
 Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTR	299,-
 Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTR).	EKRTETS	17,-
 Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	KRCS01-1	84,-
 Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	EKRSC1	96,-
 Digital I/O PCB Digital I/O PCB enables simple communication with external devices	EKRPIHBA	159,-
 Demand PCB Demand PCB provides digital inputs for power consumption limitation	EKRPIAHT	158,-

Accessories

		Type / Order No.		Price €
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	EKPCAB3		317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	BZKA7V3		1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20 UESV 25	140111 140116	97,- 126,-
	Corner pipe bend kit	EKHVTC		114,-
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x 1/2" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC	172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC	172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/ outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500	156025	923,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	FWXV15A FWXV20A		762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC		131,-

Daikin Altherma R F

› heating only models

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

- › Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- › Energy efficient heating only system based on air to water heat pump technology
- › Outstanding seasonal efficiency, providing the highest savings on running costs
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



011-1W0068 → 78



Efficiency data			EHVH + ERLQ			04S18 CB3V + 004 CV3	08S18CB3V / 08S26CB9W + 006CV3	08S18CB3V / 08S26CB9W + 008CV3	11S18CB3V / 11S26CB9W + 011CV3	16S18CB3V / 16S26CB9W + 014CV3	16S18CB3V / 16S26CB9W + 016CV3	11S18CB3V / 11S26CB9W + 011CW1	16S18CB3V / 16S26CB9W + 014CW1	16S18CB3V / 16S26CB9W + 016CW1	
Heating capacity according to EN14511	A7/W35	kW	4,4	6	7,4	11,2	14	16	11,2	14	16				
			3,27	4	4,5	5,71	5,71	5,71	5,71	5,71					
Power input according to EN14511	A7/W35	kW	0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72				
			0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54					
COP according to EN14511	A7/W35		5,04	4,74	4,45	4,66	4,46	4,3	4,66	4,46	4,3				
			4,02	3,75	3,71	3,71	3,71	3,71	3,71	3,71					
Space heating	Average climate water outlet 55°C	General SCOP	3,20	3,22	3,23	3,09	3,16	3,06	3,09	3,16	3,06				
			125	126			120	123	119	120	123	119			
	Average climate water outlet 35°C	General SCOP	A++			A+									
			4,52	4,29	4,34	3,98	3,90	3,80	3,98	3,90	3,80				
Domestic hot water	Average climate	Declared load profile	L			XL			L			XL			
			95,0	86,4	90,0	86,4	90,0	87,4	97,7	87,4	97,7	87,4	97,7	87,4	97,7
	Average climate	Water heating energy efficiency class	A												
Indoor Unit			EHVH			04S18 CB3V	08S18CB3V / 08S26CB9W	08S18CB3V / 08S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	
Casing	Colour/ Material		White / Precoated sheet metal												
Dimensions	Unit	HeightxWidthxDepth	1.732x600x728												
Weight	Unit		116	117	127	117	127	117	126	118	128	117	126	118	128
Tank	Water volume		180												
	Maximum water temperature		65												
	Maximum water pressure		10												
	Corrosion protection		Anode												
Operation range	Heating	Water side Min.~Max.	15~55												
	Domestic hot water	Water side Min.~Max.	25~60						25~60 / 60						
Sound power level	Nom.	dBA	42						44			42			
Sound pressure level	Nom.	dBA	28						30			28			
Outdoor Unit			ERLQ			004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	
Dimensions	Unit	HeightxWidthxDepth	735x832x307												
Weight	Unit		54	56			113			114					
Compressor	Quantity		1												
	Type		Hermetically sealed swing compressor						Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.	10,0~43,0						10,0~46,0						
	Domestic hot water	Min.~Max.	-25 ~35						-20 ~35						
Refrigerant	Type		R-410A												
	GWP		2.087,5												
	Charge	TCO _{2eq}	3,1	3,3			7,1								
			1,5	1,6			3,4								
Sound power level	Heating	Nom.	61			62			64			66			
	Cooling	Nom.	63			64			66			69			
Sound pressure level	Heating	Nom.	48			49			51			52			
	Cooling	Nom.	48	49		50		50		52		50		52	
Power supply	Name/Phase/Frequency/Voltage		V3/1~/50/230												
Current	Recommended fuses		A			16			20			40			

Daikin Altherma R F

› reversible models

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

- › Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- › Energy efficient heating and cooling system based on air to water heat pump technology
- › Outstanding seasonal efficiency, providing the highest savings on running costs
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



Efficiency data			EHVX + ERLQ	04S18 CB3V + 004 CV3	08S18CB3V / 08S26CB9W + 006CV3	08S18CB3V / 08S26CB9W + 008CV3	11S18CB3V / 11S26CB9W + 011CV3	16S18CB3V / 16S26CB9W + 014CV3	16S18CB3V / 16S26CB9W + 016CV3	11S18CB3V / 11S26CB9W + 011CW1	16S18CB3V / 16S26CB9W + 014CW1	16S18CB3V / 16S26CB9W + 016CW1	
Heating capacity according to EN14511	A7/W35	kW	4,4	6	7,4	11,2	14	16	11,2	14	16		
Cooling capacity	Nom.	kW	3,27	4	4,5	5,71	5,71	5,71	5,71	5,71	5,71		
Power input according to EN14511	Heating	A7/W35	kW	0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72	
	Cooling	Nom.	kW	0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54	1,54	
COP according to EN14511	A7/W35		kW	4,08 (1) / 4,17 (2)	5,88 (1) / 4,84 (2)	6,20 (1) / 5,36 (2)	12,1 (1) / 11,7 (2)	12,7 (1) / 12,6 (2)	13,8 (1) / 13,1 (2)	12,1 (1) / 11,7 (2)	12,7 (1) / 12,6 (2)	13,8 (1) / 13,1 (2)	
EER	A2/W35		kW	0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72	
			kW	0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54	1,54	
			kW	0,900 (1) / 1,80 (2)	1,51 (1) / 2,07 (2)	1,64 (1) / 2,34 (2)	3,05 (1) / 4,31 (2)	3,21 (1) / 5,08 (2)	3,74 (1) / 5,73 (2)	3,05 (1) / 4,31 (2)	3,21 (1) / 5,08 (2)	3,74 (1) / 5,73 (2)	
				5,04	4,74	4,45	4,66	4,46	4,3	4,66	4,46	4,3	
				4,02	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71	
				4,55 (1) / 2,32 (2)	3,89 (1) / 2,34 (2)	3,79 (1) / 2,29 (2)	3,98 (1) / 2,72 (2)	3,96 (1) / 2,47 (2)	3,69 (1) / 2,29 (2)	3,98 (1) / 2,72 (2)	3,96 (1) / 2,47 (2)	3,69 (1) / 2,29 (2)	
Space heating	Average climate water outlet 55°C	General SCOP	%	125	126		120	123	119	120	123	119	
		ηs (Seasonal space heating efficiency)	%										
		Seasonal space heating eff. class		A++				A+					
	Average climate water outlet 35°C	General SCOP	%	4,52	4,29	4,34	3,98	3,90	3,80	3,98	3,90	3,80	
		ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149	
		Seasonal space heating eff. class		A++				A+		A++			
Domestic hot water	General	Declared load profile		L	XL	L	XL	L	XL	L	XL	L	
	Average climate	ηwh (water heating efficiency)	%	95,0	86,4	90,0	86,4	90,0	87,4	97,7	87,4	97,7	
		Water heating energy efficiency class		A									
Indoor Unit			EHVX	04S18 CB3V	08S18CB3V / 08S26CB9W	08S18CB3V / 08S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	
Casing	Colour / Material			White / Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	1732x600x728									
Weight	Unit		kg	117	119	129	119	129	119	128	120	130	
Tank	Water volume		l	180	260	180	260	180	260	180	260	180	
	Maximum water temperature		°C	65									
	Maximum water pressure		bar	10									
	Corrosion protection			Anode									
Operation range	Heating	Water side Min.~Max.	°C	15~55			15~55						
	Cooling	Water side Min.~Max.	°C				5~22						
	Domestic hot water	Water side Min.~Max.	°C	25~60			25~60 / 60						
Sound power level	Nom.		dBA	42				44		42		44	
Sound pressure level	Nom.		dBA	28				30		28		30	
Outdoor Unit			ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307				1.345x900x320					
Weight	Unit		kg	54	56		113			114			
Compressor	Quantity			1									
	Type			Hermetically sealed swing compressor				Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10,0~43,0				10,0~46,0					
	Domestic hot water	Min.~Max.	°CDB	-25 ~35				-20 ~35					
Refrigerant	Type			R-410A									
	GWP			2.087,5									
	Charge	TCO _{2eq}	kg	3,1	3,3		7,1			3,4			
	Control			1,5	1,6		Expansion valve (electronic type)						
Sound power level	Heating	Nom.	dBA	61		62	64		66	64		66	
	Cooling	Nom.	dBA			63	64		66	64		66	
Sound pressure level	Heating	Nom.	dBA	48		49	51		52	51		52	
	Cooling	Nom.	dBA	48	49	50	50	52	54	50	52	54	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230								W1/3N~/50/400	
Current	Recommended fuses		A	16		20	40			20			

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C), (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C)



Daikin Altherma R F

› bi-zone models

Optimum efficiency offering full flexibility in heat emitters

- › Two different temperature zones can be automatically regulated by the same indoor unit
- › Offers flexibility to the end user to combine different heat emitters e.g. under floor heating and radiators while optimising the efficiency
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



Efficiency data			EHVZ + ERLQ		04S18CB3V + 004CV3	08S18CB3V + 006CV3	08S18CB3V + 008CV3	16S18CB3V + 011CV3	16S18CB3V + 014CV3	16S18CB3V + 016CV3	16S18CB3V + 011CW1	16S18CB3V + 014CW1	16S18CB3V + 016CW1		
Heating capacity according to EN14511	A7/W35	kW			4,4	6	7,4	11,2	14	16	11,2	14	16		
			A2/W35	kW	3,27	4	4,5	5,71	5,71	5,71	5,71	5,71	5,71		
Power input according to EN14511	Heating	A7/W35	kW		0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72		
				A2/W35	kW	0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54	1,54	
COP according to EN14511	A7/W35				5,04	4,74	4,45	4,66	4,46	4,3	4,66	4,46	4,3		
			A2/W35		4,02	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71		
 Space heating	Average climate water outlet 55°C	General	SCOP		3,20	3,22	3,23	3,09	3,16	3,06	3,09	3,16	3,06		
			ηs (Seasonal space heating efficiency)	%	125	126		120	123	119	120	123	119		
			Seasonal space heating eff. class		A++			A+							
	Average climate water outlet 35°C	General	SCOP		4,52	4,29	4,34	-							
			ηs (Seasonal space heating efficiency)	%	178	169	171	-							
			Seasonal space heating eff. class		A++			-							
Pump Additional Zone	Nominal ESP unit (*RLQ*°C*)	Heating	kPa		52,3 / 55,4	40,6 / 43,3	28,3 / 32,7	26,2 (1) / 28,3 (2)		25,0	26,2 (1) / 28,3 (2)		25,0		
Pump Main Zone	Nominal ESP unit (*RLQ*°C*)	Heating	kPa		48,6 / 51,9	39,5 / 42,3	26,4 / 31,2	18,2 (1) / 20,7 (2)		25,0	18,2 (1) / 20,7 (2)		25,0		
 Domestic hot water	General	Declared load profile			L										
	Average climate	ηwh (water heating efficiency)	%		95,0	86,4		87,4							
	Water heating energy efficiency class	A													
Indoor Unit				EHVZ	04S18CB3V	08S18CB3V		16S18CB3V							
Casing	Colour / Material				White / Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth			mm	1.732x600x728									
Weight	Unit				kg	121	122		121						
Tank	Water volume				l	180									
	Maximum water temperature				°C	65									
	Maximum water pressure				bar	10									
	Corrosion protection					Anode									
	Operation range	Heating	Water side Min.~Max.		°C	15~55				15~55					
Domestic hot water		Water side Min.~Max.		°C	25~60				25~60 / 60						
Sound power level	Nom.				dBA	42				44					
Sound pressure level	Nom.				dBA	28				30					
Outdoor Unit				ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1		
Dimensions	Unit	HeightxWidthxDepth			mm	735x832x307				1.345x900x320					
Weight	Unit				kg	54	56		113			114			
Compressor	Quantity					1									
	Type					Hermetically sealed swing compressor				Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10,0~43,0				10,0~46,0						
	Domestic hot water	Min.~Max.		°CDB	-25 ~35				-20 ~35						
Refrigerant	Type					R-410A									
	GWP					2.087,5									
	Charge	TCO ₂ eq				3,1	3,3		7,1						
		kg				1,5	1,6		3,4						
	Control					Expansion valve (electronic type)									
Sound power level	Heating	Nom.		dBA	61		62		64		66	64		66	
	Cooling	Nom.		dBA	63				64	66	69	64	66	69	
Sound pressure level	Heating	Nom.		dBA	48		49		51		52	51		52	
	Cooling	Nom.		dBA	48	49	50	50	52	54	50	52	54		
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1~/50/230								W1/3N~/50/400	
Current	Recommended fuses				A	16		20		40		20			





Daikin Altherma R ECH₂O

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

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 (500l 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

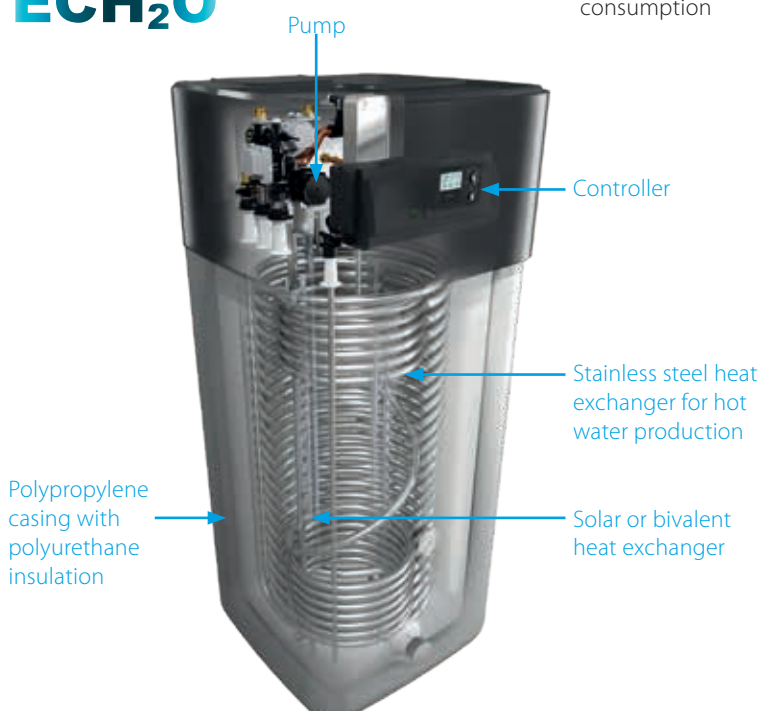
Innovative and high-quality tank

- › 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

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

ECH₂O



R-410A Daikin Altherma R 4-6-8 kW outdoor and related indoor units will be abolished. Timing for final phase out is planned for December 2019



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

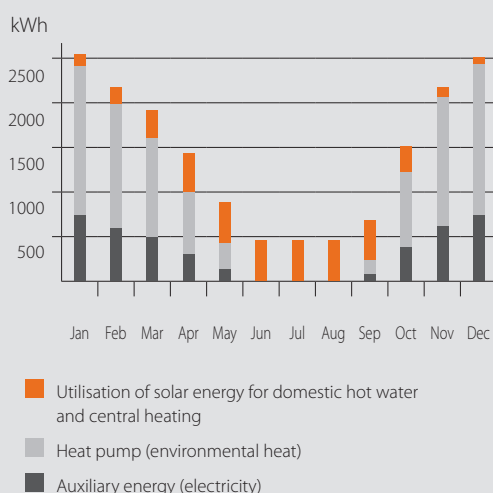
Pressureless (drain-back) solar system (EHSB-B, EHSX-B)

- › 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 (EHSB-B, EHSX-B)

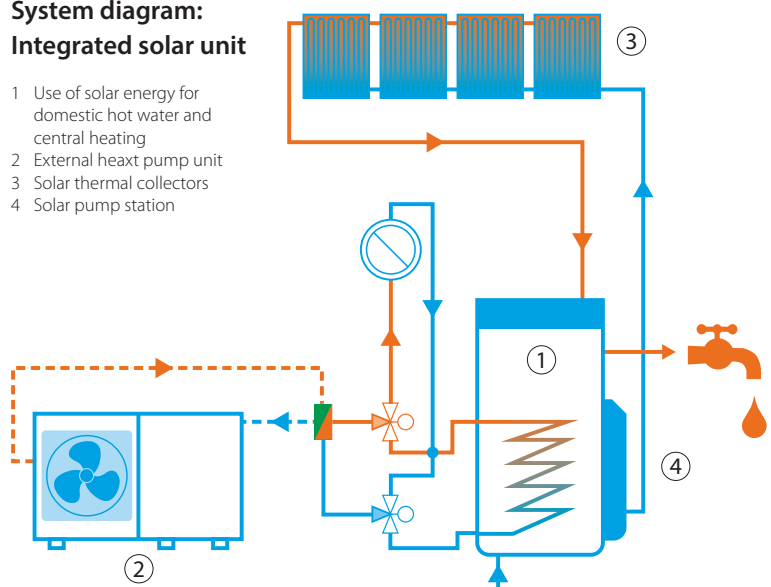
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

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




Daikin Altherma R ECH₂O




Air-to-water heat pump,
up to 55°C flow





Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R ECH₂O indoor unit Indoor unit with integrated 300 l / 500 l energy store for hygienic hot water generation on the instantaneous through-flow principle. Hydraulically equipped with a high-efficiency pump, diverter valves for hot water / heating and heating / cooling with integrated return flow temperature limitation for solar use, integrated overflow, safety module with electronic pressure gauge and safety valve, flow sensor and filling and drain cocks. Optional additional heat exchanger for pressurised solar applications or external heat generators. Electrical equipment with load relay and prepared plug-and-play connection for electric auxiliary heating / process water heating (9kW). This immersion heater must be ordered separately.</p>		
Heating and Cooling		
EHSX compact indoor unit with 300 l Tank		
For outdoor units 4 kW, 6 kW, 8 kW		
Dimensions (W x D x H) 595 x 615 x 1.890 mm.		
EHSX compact, 300 l, H/C, 4 kW	EHSX04P30B	3 949,-
EHSX compact, 300 l, H/C, 6-8 kW	EHSX08P30B	4 099,-
Bivalent version with additional heat exchanger		
EHSXB compact, 300 l, H/C, Biv, 4kw	EHSXB04P30B	4 189,-
EHSXB compact, 300 l, H/C, Biv, 6-8kw	EHSXB08P30B	4 295,-
EHSX compact indoor unit with 500 l Tank		
For outdoor units 6 kW, 8 kW, 11 kW, 14 kW, 16 kW		
Dimensions (W x D x H) 790 x 790 x 1.890 mm.		
EHSX compact, 500 l, H/C, 6-8 kW	EHSX08P50B	4 504,-
EHSX compact, 500 l, H/C, 11-16 kW	EHSX16P50B	4 905,-
Bivalent version with additional heat exchanger		
EHSXB compact, 500 l, H/C, Biv, 6-8 kW	EHSXB08P50B	4 713,-
EHSXB compact, 500 l, H/C, Biv, 11-16 kW	EHSXB16P50B	5 199,-
Heating only		
EHSX compact indoor unit with 300 l Tank		
For outdoor units 4 kW, 6 kW, 8 kW		
Dimensions (W x D x H) 595 x 615 x 1.890 mm.		
EHSX compact, 300 l, H, 4 kW	EHSX04P30B	3 623,-
EHSX compact, 300 l, H, 6-8 kW	EHSX08P30B	3 772,-
Bivalent version with additional heat exchanger		
EHSXB compact, 300 l, H, Biv, 4kw	EHSXB04P30B	3 871,-
EHSXB compact, 300 l, H, Biv, 6-8kw	EHSXB08P30B	4 031,-
EHSX compact indoor unit with 500 l Tank		
For outdoor units 6 kW, 8 kW, 11 kW, 14 kW, 16 kW		
Dimensions (W x D x H) 790 x 790 x 1.890 mm.		
EHSX compact, 500 l, H, 6-8 kW	EHSX08P50B	4 098,-
EHSX compact, 500 l, H, 11-16 kW	EHSX16P50B	4 580,-
Bivalent version with additional heat exchanger		
EHSXB compact, 500 l, H, Biv, 6-8 kW	EHSXB08P50B	4 375,-
EHSXB compact, 500 l, H, Biv, 11-16 kW	EHSXB16P50B	4 886,-


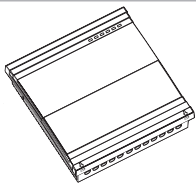


Outdoor units and accessories

	Type / Order No	Price €
 <p>Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor- / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 825 x 300 x 735 mm.</p> <p>Daikin Altherma LT 4 kW outdoor unit 1~230 V Daikin Altherma LT 6 kW outdoor unit 1~230 V Daikin Altherma LT 8 kW outdoor unit 1~230 V</p>	ERLQ004CV3 ERLQ006CV3 ERLQ008CV3	1 690,- 1 859,- 2 305,-
 <p>Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxHxD): 1.190x970x714 mm Sound reduction -3 dB(A)</p>	EKLN08A1	1 715,-
<p>Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.</p>	EKDP008C	183,-
<p>Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.</p>	EKDPH008C	278,-
<p>Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.</p>	EKFT008CA	152,-
 <p>Daikin Altherma low temperature outdoor unit 11 – 16 kW (Heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor- / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range heating to -25 °C external temperature. Dimensions (W x D x H) 900 x 320 x 1.345 mm.</p> <p>Daikin Altherma LT 11 kW outdoor unit 3~400 V Daikin Altherma LT 14 kW outdoor unit 3~400 V Daikin Altherma LT 16 kW outdoor unit 3~400 V</p> <p>Daikin Altherma LT 11 kW outdoor unit 1~230 V Daikin Altherma LT 14 kW outdoor unit 1~230 V Daikin Altherma LT 16 kW outdoor unit 1~230 V</p>	ERLQ011CW1 ERLQ014CW1 ERLQ016CW1 ERLQ011CV3 ERLQ014CV3 ERLQ016CV3	3 451,- 4 138,- 4 716,- 3 058,- 3 654,- 4 150,-


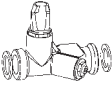


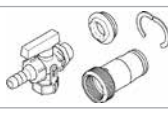






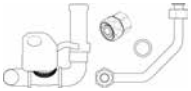
Mandatory accessories

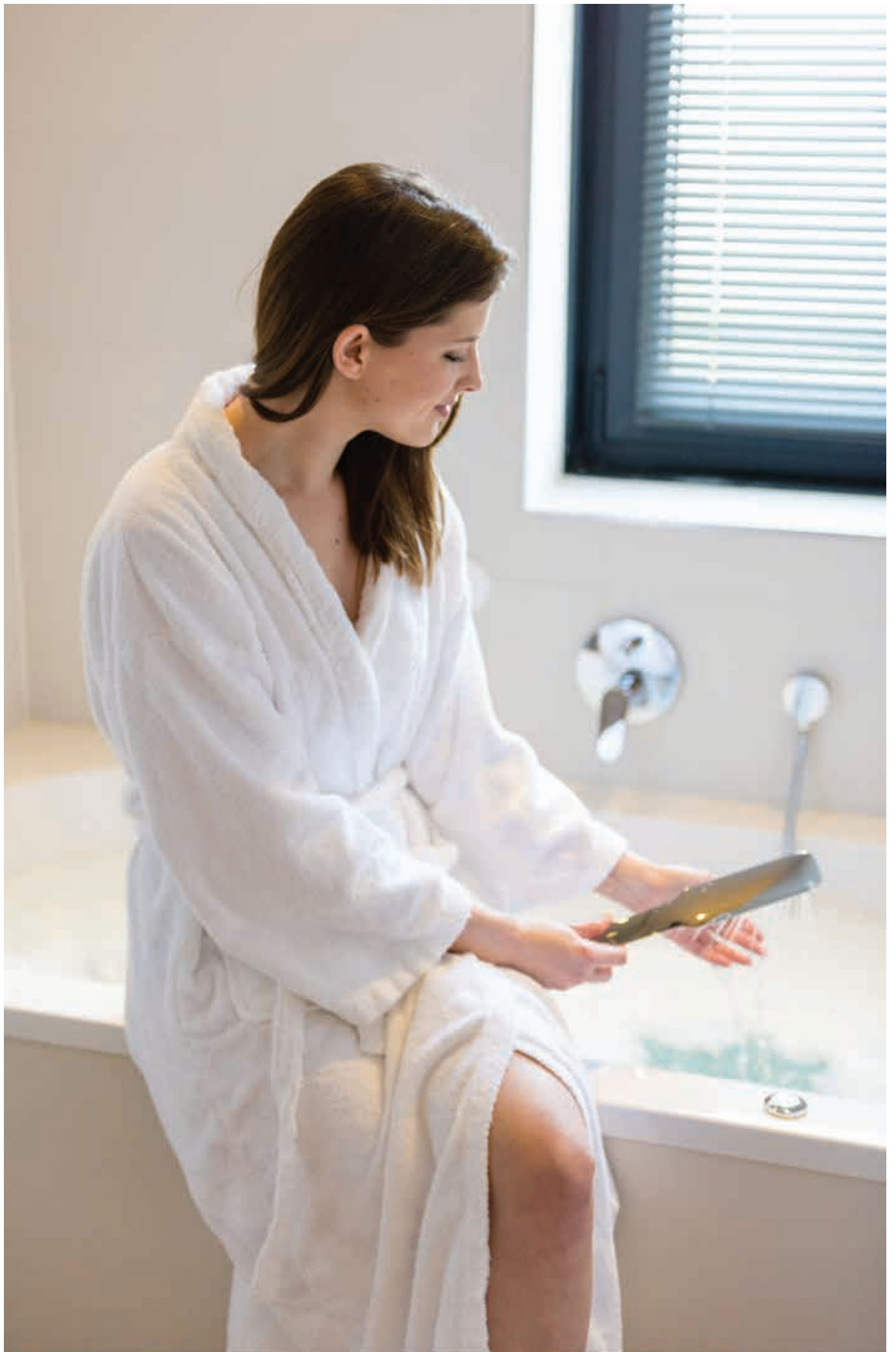
	Type / Order No.	Price €
 <p>Backup heater EKBU9C Additional heating for LT compact. Electric immersion heater 3 x 230 V – 50 Hz / 9000 Watt to support the heat pump as a back-up and booster heater. 1000 mm long. Plug-and-play installation, ready to plug in.</p>	EKBU9C	516,-
 <p>Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings</p>	K.FERNOXTF1	212,-

Regulation accessories

	Type	Order No	Price €
 <p>Room controller RoCon U1 Convenience regulation with wall housing. Used for: a) A remote control (external equipment controller) b) Mixer operating unit (additional or standalone) c) Room thermostat for heat exchanger.</p>		EHS157034	185,-
 <p>Mixer module RoCon M1 Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS.</p>		EHS157068	195,-
 <p>Outdoor temperature sensor RoCon OT1 in conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution.</p>		156070	34,-
 <p>Gateway RoCon G1 for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .</p>		157056	732,-

Accessories

		Type / Order No.		Price €
	Convection brake To prevent circulation under gravity in water circuits with Drain-Back, 2 pcs. Suitable up to 95 °C (not suitable for tanks with pressure solar heat exchanger).	SKB	165070	15,-
	Solar panel FlowGuard solar flow regulator with solar flow indicator 2-16l/min.	FLG	164102-RTX	80,-
	Circulation lance H-type For energetically-optimised incorporation of the tap-water circulation in the hot water connection. For Daikin Altherma R ECH ₂ O.	ZKL-H	141554	on request
	Storage tank incorporation heat exchanger Variant 2 (storage tank return connection and electric immersion heater connection) Kit for connection of a wood-burning, pellet, oil or gas boiler to the LT compact or a ROTEX storage tank (compatible with all models from 2013) as an alternative to an electric immersion heater. Consists of: piping, fittings, storage tank incorporation and circulation pump. For the connection of a boiler to the unpressurised area, you will need an additional plate heat exchanger (e.g. ROTEX RPWT1 Order No. 162031-RTX). This variant can only be realised with controllable heat generators	SAK	160130	463,-
	Fill and drain connection For RPS3 and tanks from 2013, for easy filling and emptying through the fill and drain valve	KFE BA	165215	33,-
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x 1/2" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC	172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC	172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500	156025	923,-
	Pump group with mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature display	MK	156075	910,-
	Pump group without mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWM controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	PK	156077	647,-
	Fittings kit for mixer group MK1/MK2 1" female thread x 1 1/2" flat-sealing		156053	26,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)		FWXV15A FWXV20A	762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.		EKVKHPC	131,-



Daikin Altherma 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
- › 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 and hot water operation
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



011-1W0087 → 95



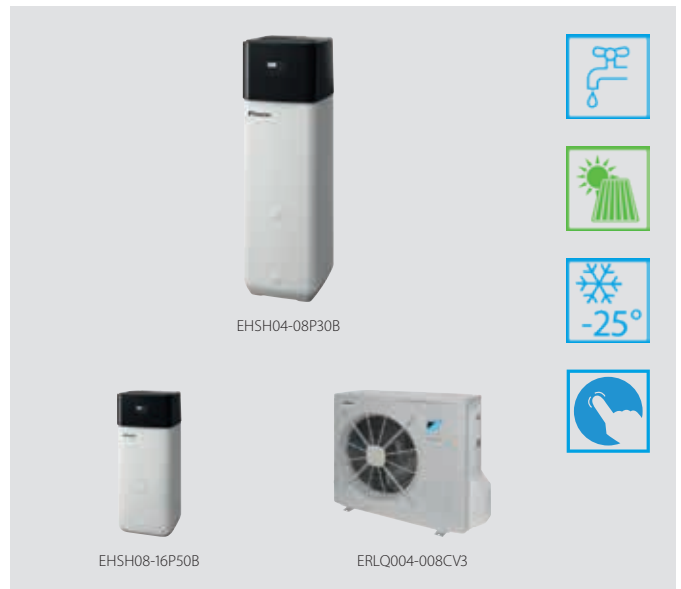
A++





A

55°C

R-410A



Efficiency data				EHSB + ERLQ	04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity according to EN14511	A7/W35	kW	A2/W35	kW	4,4	6	6	7,4	7,4	11,2	14	16	11,2	14	16
					3,27	4	4	4,5	4,5	5,71	5,71	5,71	5,71	5,71	5,71
Power input according to EN14511	Heating	A7/W35	kW	kW	0,87	1,27	1,27	1,66	1,66	2,41	3,14	3,72	2,41	3,14	3,72
					A2/W35	0,81	1,07	1,07	1,21	1,21	1,54	1,54	1,54	1,54	1,54
COP according to EN14511	A7/W35		A2/W35		5,04	4,74	4,74	4,45	4,45	4,66	4,46	4,3	4,66	4,46	4,3
					A2/W35	4,02	3,75	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71
 Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	130	125		127		125	126	125		126	125
					A++										
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	-										
					-										
 Domestic hot water	General	Declared load profile			L		XL	L	XL						
	Average climate	ηwh (water heating efficiency)			103	98	102	90	96	83					
		Water heating energy efficiency class			A										
Indoor Unit					EHSB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B				
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)													
	Material	Impact resistant polypropylene													
Dimensions	Unit	HeightxWidthxDepth			mm	1.945 / 1.890x615x595		1.945 / 1.890x790x790	1.945 / 1.890x615x595	1.945 / 1.890x790x790					
Weight	Unit				kg	84		111	84	111	113				
Tank	Water volume			l	294		477	294	477						
	Maximum water temperature			°C	85										
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					-25~35					
		Water side	Min.~Max.	°C						15~55					
	Domestic hot water	Ambient	Min.~Max.	°CDB						-25~35					
		Water side	Min.~Max.	°C						25~55					
Sound power level	Nom.				dBA	40									
Sound pressure level	Nom.				dBA	28									
Outdoor Unit					ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	
Dimensions	Unit	HeightxWidthxDepth			mm	735x832x307					1.345x900x320				
Weight	Unit				kg	54	56				113		114		
Compressor	Quantity					1									
	Type					Hermetically sealed swing compressor					Hermetically sealed scroll compressor				
Operation range	Cooling	Min.~Max.		°CDB	10,0~43,0					10,0~46,0					
	Domestic hot water	Min.~Max.		°CDB	-25 ~35					-20 ~35					
Refrigerant	Type					R-410A									
	GWP					2.087,5									
	Charge	TCO2eq			3,1	3,3				7,1					
		kg			1,5	1,6				3,4					
Sound power level	Control					Expansion valve (electronic type)									
	Heating	Nom.	dBA		61		62		64		66	64		66	
	Cooling	Nom.	dBA				63		64	66	69	64	66	69	
Sound pressure level	Heating	Nom.	dBA		48		49		51		52	51		52	
	Cooling	Nom.	dBA		48	49		50		50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1~/50/230									
Current	Recommended fuses				A	16		20		40		20			

Daikin Altherma R ECH₂O

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

- › Bivalent system: combinable with a secondary heat source
- › Integrated solar unit, offering top comfort in heating and hot water
- › 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 and hot water operation
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



011-1W0068 → 78



Efficiency data				EHSHB + ERLQ		04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity according to EN14511	A7/W35		kW			4,4	6	6	7,4	7,4	11,2	14	16	11,2	14	16
	A2/W35		kW			3,27	4	4	4,5	4,5	5,71	5,71	5,71	5,71	5,71	5,71
Power input according to EN14511	Heating	A7/W35	kW			0,87	1,27	1,27	1,66	1,66	2,41	3,14	3,72	2,41	3,14	3,72
		A2/W35	kW			0,81	1,07	1,07	1,21	1,21	1,54	1,54	1,54	1,54	1,54	1,54
COP according to EN14511		A7/W35				5,04	4,74	4,74	4,45	4,45	4,66	4,46	4,3	4,66	4,46	4,3
		A2/W35				4,02	3,75	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71	3,71
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%		130	125		127		125	126	125		126	125
			Seasonal space heating eff. class			A++										
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%												
			Seasonal space heating eff. class													
Domestic hot water	General	Declared load profile				L		XL	L	XL						
	Average climate	ηwh (water heating efficiency)			%	103	98	108	90	99	84					
		Water heating energy efficiency class				A										
Indoor Unit					EHSB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B					
Casing	Colour					Traffic white (RAL9016) / Dark grey (RAL7011)										
	Material					Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth	mm			1.890x615x595		1.890x790x790	1.890x615x595	1.890x790x790						
Weight	Unit				kg	89		116	89	116	118					
Tank	Water volume				l	294		477	294	477						
	Maximum water temperature				°C	85										
Operation range	Heating	Ambient	Min.~Max.	°C		-25~25					-25~35					
		Water side	Min.~Max.	°C							15~55					
	Domestic hot water	Ambient	Min.~Max.	°CDB							-25~35					
		Water side	Min.~Max.	°C							25~55					
Sound power level	Nom.				dBA	40										
Sound pressure level	Nom.				dBA	28										
Outdoor Unit					ERLQ	004CV3	006CV3		008CV3		011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth	mm			735x832x307										
Weight	Unit				kg	54	56					113		114		
Compressor	Quantity					1										
	Type					Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB			10,0~43,0					10,0~46,0					
	Domestic hot water	Min.~Max.	°CDB			-25 ~35					-20 ~35					
Refrigerant	Type					R-410A										
	GWP					2.087,5										
	Charge			TCO ₂ eq	3,1	3,3				7,1						
				kg	1,5	1,6				3,4						
	Control					Expansion valve (electronic type)										
Sound power level	Heating	Nom.		dBA		61			62		64		66	64		66
	Cooling	Nom.		dBA					63		64		66	69	64	66
Sound pressure level	Heating	Nom.		dBA		48			49		51		52	51		52
	Cooling	Nom.		dBA		48	49		50		50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1~/50/230										
Current	Recommended fuses				A	16			20		40			20		

Daikin Altherma R ECH₂O

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

- › 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
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



011-1W0096 → 104



Efficiency data				EHSX + ERLQ		04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1	
Heating capacity according to EN14511		A7/W35		kW		4,4	6	6	7,4	7,4	11,2	14	16	11,2	14	16	
		A2/W35		kW		3,27	4	4	4,5	4,5	5,71	5,71	5,71	5,71	5,71	5,71	
Cooling capacity	Nom.			kW		4,4(1)/4,0(2)		5,2(1)/4,6(2)			15,1(1)/11,7(2)	16,1(1)/12,6(2)	16,8(1)/13,1(2)	15,1(1)/11,7(2)	16,1(1)/12,6(2)	16,8(1)/13,1(2)	
Power input	Heating	A7/W35		kW		0,87	1,27	1,27	1,66	1,66	2,41	3,14	3,72	2,41	3,14	3,72	
according to EN14511		A2/W35		kW		0,81	1,07	1,07	1,21	1,21	1,54	1,54	1,54	1,54	1,54	1,54	
	Cooling	Nom.		kW		1,05(1)/1,41(2)		1,43(1)/1,85(2)			4,55(1)/4,30(2)	5,44(1)/5,10(2)	6,18(1)/5,72(2)	4,55(1)/4,30(2)	5,44(1)/5,10(2)	6,18(1)/5,72(2)	
COP		A7/W35				5,04	4,74	4,74	4,45	4,45	4,66	4,46	4,3	4,66	4,46	4,3	
according to EN14511		A2/W35				4,02	3,75	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71	3,71	
EER						4,21(1)/2,85(2)		3,65(1)/2,51(2)			3,32(1)/2,72(2)	2,96(1)/2,47(2)	2,72(1)/2,29(2)	3,32(1)/2,72(2)	2,96(1)/2,47(2)	2,72(1)/2,29(2)	
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%		132	126		128			130	127	128	130	127	
			Seasonal space heating eff. class			A++											
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%			-										
			Seasonal space heating eff. class			-											
Domestic hot water	General	Declared load profile				L		XL	L	XL							
	Average climate	ηwh (water heating efficiency)			%	103	98	102	90	96	83						
		Water heating energy efficiency class				A											
Indoor Unit					EHSX	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B						
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)												
	Material				Impact resistant polypropylene												
Dimensions	Unit	HeightxWidthxDepth	mm		1.890x615x595	1.890x790x790	1.890x615x595		1.890x790x790	1.945 / 1.890x790x790	1.890x790x790	1.945 / 1.890x790x790	1.945 / 1.890x790x790				
Weight	Unit				kg	84	111	84	111	116	113	116	113	116	113		
Tank	Water volume				l	294	477	294			477						
	Maximum water temperature				°C	85											
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25						-25~35						
		Water side	Min.~Max.	°C							15~55						
	Cooling	Ambient	Min.~Max.	°CDB	10~43								~~~	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						
Sound power level	Nom.				dBA	40											
Sound pressure level	Nom.				dBA	28											
Outdoor Unit					ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1			
Dimensions	Unit	HeightxWidthxDepth	mm		735x832x307						1.345x900x320						
Weight	Unit				kg	54	56		113				114				
Compressor	Quantity					1											
	Type					Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB		10,0~43,0						10,0~46,0						
	Domestic hot water	Min.~Max.	°CDB		-25 ~35						-20 ~35						
Refrigerant	Type					R-410A											
	GWP					2.087,5											
	Charge		TCO ₂ eq		3,1	3,3						7,1					
					1,5	1,6						3,4					
	Control					Expansion valve (electronic type)											
Sound power level	Heating	Nom.	dBA		61		62		64		66	64		66			
	Cooling	Nom.	dBA		63				64		66	69	64	66	69		
Sound pressure level	Heating	Nom.	dBA		48		49		50		51	52	51		52		
	Cooling	Nom.	dBA		48	49		50		50	52	54	50	52	54		
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1~/50/230											
Current	Recommended fuses				A	16		20		40		20					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C), (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C)

Daikin Altherma R ECH₂O

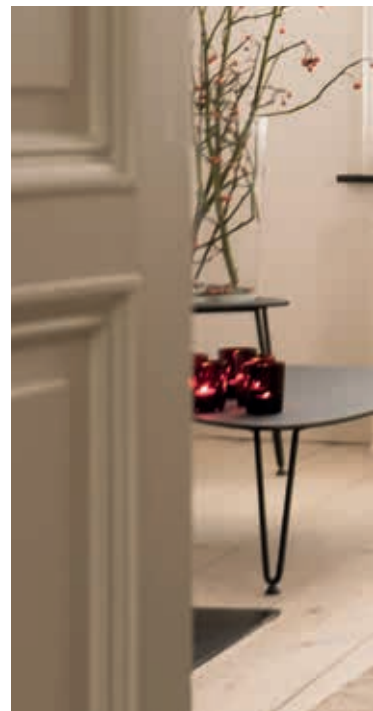
Floor standing air to water heat pump for **bivalent** heating, cooling and hot water with thermal solar support

- › Bivalent system: combinable with a secondary heat source
- › 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
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



Efficiency data				EHSXB + ERLQ		04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1		
Heating capacity according to EN14511	A7/W35		kW			4,4	6	6	7,4	7,4	11,2	14	16	11,2	14	16		
	A2/W35		kW			3,27	4	4	4,5	4,5	5,71	5,71	5,71	5,71	5,71	5,71		
Cooling capacity	Nom.		kW			4,4(1)/4,0(2)	5,2(1)/4,6(2)				15,1(1)/11,7(2)	16,1(1)/12,6(2)	16,8(1)/13,1(2)	15,1(1)/11,7(2)	16,1(1)/12,6(2)	16,8(1)/13,1(2)		
Power input according to EN14511	Heating	A7/W35	kW			0,87	1,27	1,27	1,66	1,66	2,41	3,14	3,72	2,41	3,14	3,72		
		A2/W35	kW			0,81	1,07	1,07	1,21	1,21	1,54	1,54	1,54	1,54	1,54	1,54		
	Cooling	Nom.	kW			1,05(1)/1,41(2)	1,43(1)/1,85(2)				4,55(1)/4,30(2)	5,44(1)/5,10(2)	6,18(1)/5,72(2)	4,55(1)/4,30(2)	5,44(1)/5,10(2)	6,18(1)/5,72(2)		
COP according to EN14511	A7/W35					5,04	4,74	4,74	4,45	4,45	4,66	4,46	4,3	4,66	4,46	4,3		
	A2/W35					4,02	3,75	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71	3,71		
Space heating	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency)	%		132	126		128			130		127	128	130	127	
			Seasonal space heating eff. class			A++												
	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency)	%		-												
			Seasonal space heating eff. class			-												
Domestic hot water	General	Declared load profile				L		XL	L	XL								
	Average climate	η _{wh} (water heating efficiency)			%	103	98	108	90	99	84							
		Water heating energy efficiency class				A												
Indoor Unit				EHSXB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B								
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)																
	Material	Impact resistant polypropylene																
Dimensions	Unit	HeightxWidthxDepth	mm		1.890x615x595		1.890x790x790	1.890x615x595		1.890x790x790								
Weight	Unit		kg		89		116	89	116	118								
Tank	Water volume		l		294		477	294		477								
	Maximum water temperature		°C		85													
Operation range	Heating	Ambient Min.~Max.	°C		-25~25													
		Water side Min.~Max.	°C		15~55													
	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													
Sound power level	Nom.		dBA		40													
Sound pressure level	Nom.		dBA		28													
Outdoor Unit				ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1					
Dimensions	Unit	HeightxWidthxDepth	mm		735x832x307						1.345x900x320							
Weight	Unit		kg		54	56					113			114				
Compressor	Quantity				1													
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor							
Operation range	Cooling	Min.~Max.	°CDB		10,0~43,0													
	Domestic hot water	Min.~Max.	°CDB		-25 ~35													
Refrigerant	Type				R-410A													
	GWP				2.087,5													
	Charge	TCO ₂ eq	kg		3,1	3,3					7,1							
					1,5	1,6					3,4							
	Control				Expansion valve (electronic type)													
Sound power level	Heating	Nom.	dBA		61				62		64		66	64		66		
	Cooling	Nom.	dBA		63						64	66	69	64	66	69		
Sound pressure level	Heating	Nom.	dBA		48				49		51		52	51		52		
	Cooling	Nom.	dBA		48	49			50		50	52	54	50	52	54		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~50/230												W1/3N~50/400	
Current	Recommended fuses			A	16				20		40			20				

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C), (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C)

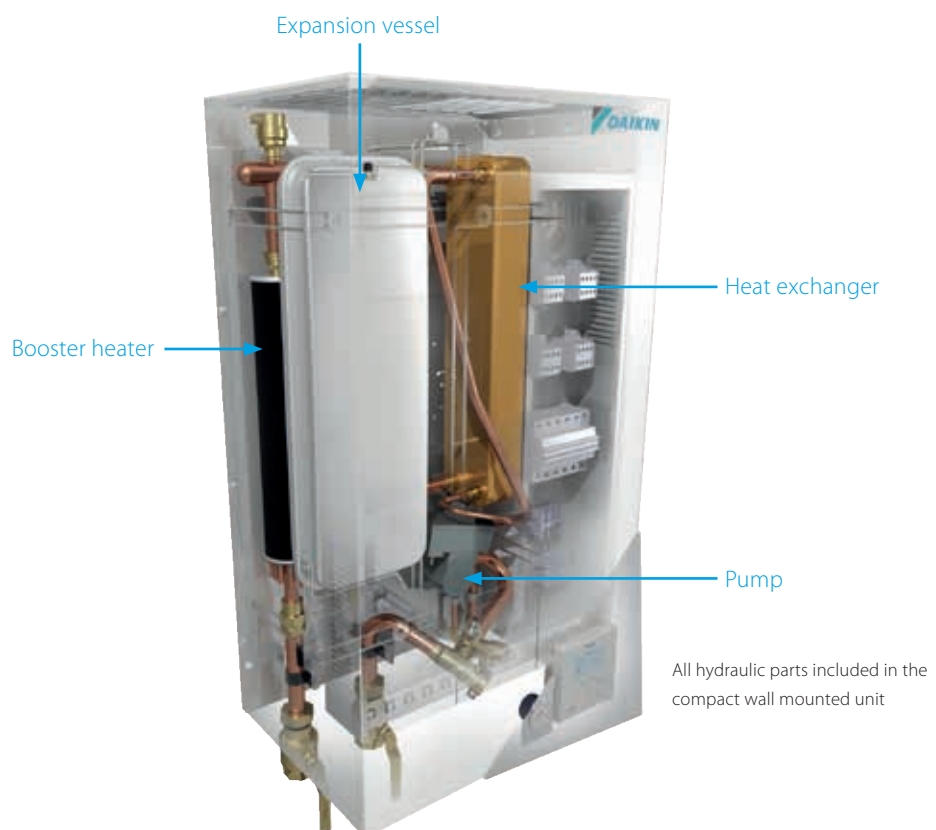


Daikin Altherma R W

The Daikin Altherma R 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 and domestic hot water connection

- › 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, enameled or **ECH₂O** thermal store





Stainless steel and enameled tanks

If the end user only requires hot water and installation height is limited, a separate tank can be connected (either stainless steel or enameled).

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- › 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 pressurised hot water system.



Stainless steel tank




Wall mounted unit combined with ECH₂O thermal store

Daikin Altherma R W




Air-to-water heat pump,
up to 55°C flow





Indoor unit

	Type / Order No	Price €
 <p>Daikin Altherma R wall mounted indoor unit For outdoor unit 4 – 16 kW. Hydraulically equipped with high-efficiency pump, expansion vessel, safety module with a pressure gauge and safety valve, flow monitor and filling and evacuation valves and brass dirt trap. Electrical equipment with load contactors for 3/6/9 kW auxiliary electric heating and heat circulating pump. User Interface is not included, EKRUCBL* is mandatory for system operation. please order it additionally according to your needed languages. Dimensions (WxDxH) 502 x 361 x 922 mm.</p> <p>Heating only:</p> <p>EBBH 4 kW indoor unit with 3 kW electric immersion heater 1~230 V for 4 kW outdoor unit. (4 kW only available as 1~ 230 V)</p> <p>EBBH 8 kW indoor unit with 3 kW electric immersion heater 1~230 V for 6 – 8 kW outdoor unit.</p> <p>EBBH 11 kW indoor unit with 3 kW electric immersion heater 1~230 V for 11 kW outdoor unit.</p> <p>EBBH 16 kW indoor unit with 3 kW electric immersion heater 1~230 V for 14 – 16 kW outdoor unit.</p> <p>EBBH 8 kW indoor unit with 9 kW electric immersion heater 3~400 V for 6 – 8 kW outdoor unit.</p> <p>EBBH 11 kW indoor unit with 9 kW electric immersion heater 3~400 V for 11 kW outdoor unit.</p> <p>EBBH 16 kW indoor unit with 9 kW electric immersion heater 3~400 V for 14 – 16 kW outdoor unit.</p> <p>Heating and cooling:</p> <p>EBBX 4 kW indoor unit with 3 kW electric immersion heater 1~230 V for 4 kW outdoor unit. (4 kW only available as 1~ 230 V)</p> <p>EBBX 8 kW indoor unit with 3 kW electric immersion heater 1~230 V for 6 – 8 kW outdoor unit.</p> <p>EBBX 11 kW indoor unit with 3 kW electric immersion heater 1~230 V for 11 kW outdoor unit.</p> <p>EBBX 16 kW indoor unit with 3 kW electric immersion heater 1~230 V for 14 – 16 kW outdoor unit.</p> <p>EBBX 8 kW indoor unit with 9 kW electric immersion heater 3~400 V for 6 – 8 kW outdoor unit.</p> <p>EBBX 11 kW indoor unit with 9 kW electric immersion heater 3~400 V for 11 kW outdoor unit.</p> <p>EBBX 16 kW indoor unit with 9 kW electric immersion heater 3~400 V for 14 – 16 kW outdoor unit.</p>		
	EBBH04CB3V	2 841,-
	EBBH08CB3V	2 991,-
	EBBH11CB3V	3 029,-
	EBBH16CB3V	3 287,-
	EBBH08CB9W	3 142,-
	EBBH11CB9W	3 139,-
	EBBH16CB9W	3 454,-
	EBBX04CB3V	3 101,-
	EBBX08CB3V	3 264,-
	EBBX11CB3V	3 304,-
	EBBX16CB3V	3 583,-
	EBBX08CB9W	3 420,-
	EBBX11CB9W	3 413,-
	EBBX16CB9W	3 754,-










Outdoor units and accessories

	Type / Order No	Price €
 <p>Daikin Altherma low temperature outdoor unit 4 – 8 kW (Heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor- / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 825 x 300 x 735 mm.</p> <p>Daikin Altherma LT 4 kW outdoor unit 1~230 V Daikin Altherma LT 6 kW outdoor unit 1~230 V Daikin Altherma LT 8 kW outdoor unit 1~230 V</p>	<p>ERLQ004CV3 ERLQ006CV3 ERLQ008CV3</p>	<p>1 690,- 1 859,- 2 305,-</p>
 <p>Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxHxD): 1190x970x714 mm Sound reduction -3 dB(A)</p>	EKLN08A1	1 715,-
<p>Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.</p>	EKDP008C	183,-
<p>Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.</p>	EKDPH008C	278,-
<p>Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.</p>	EKFT008CA	152,-
 <p>Daikin Altherma low temperature outdoor unit 11 – 16 kW (Heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor- / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range heating to -25 °C external temperature. Dimensions (W x D x H) 900 x 320 x 1.345 mm.</p> <p>Daikin Altherma LT 11 kW outdoor unit 3~400 V Daikin Altherma LT 14 kW outdoor unit 3~400 V Daikin Altherma LT 16 kW outdoor unit 3~400 V</p> <p>Daikin Altherma LT 11 kW outdoor unit 1~230 V Daikin Altherma LT 14 kW outdoor unit 1~230 V Daikin Altherma LT 16 kW outdoor unit 1~230 V</p>	<p>ERLQ011CW1 ERLQ014CW1 ERLQ016CW1</p> <p>ERLQ011CV3 ERLQ014CV3 ERLQ016CV3</p>	<p>3 451,- 4 138,- 4 716,-</p> <p>3 058,- 3 654,- 4 150,-</p>











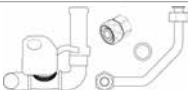
Mandatory controls and accessories

	Type / Order No.	Price €
	Remote user interface Used as a remote controller or a room thermostat for Altherma LT units	
	Languages: German, French, Italian, Dutch EKRUCBL1	150,-
	Languages: English, Turkish, Polish, Romanian EKRUCBL4	150,-
	Languages: German, Czech, Slovenian, Slovak EKRUCBL5	150,-
	Languages: English, Croatian, Hungarian, Bulgarian EKRUCBL6	150,-
	Languages: English, German, Russian, Danish EKRUCBL7	150,-
	Condensate drain pan for EHBX indoor unit (Mandatory for EHBX)	EKHBDPC2 159,-
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings	K.FERNOXTF1 212,-

Controls

	Type / Order No.	Price €
	Simplified user interface Can only be used in combination with the main user interface	EKRUCBS 150,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	BRP069A62 BRP069A61 122,- 189,-
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTHWA 152,-
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTR 299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTR).	EKRSETS 17,-
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	KRCS01-1 84,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	EKRSC1 96,-
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	EKRPIHBA 159,-
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	EKRPIAHT 158,-

Accessories

		Type / Order No.	Price €
	Booster heater kit for Altherma LT Electric immersion heater 230 V, 3.000 Watt (900 mm long) Including contactor/fuse assembly for Altherma LT wall mounted	EKBH3S	394,-
	E-Pac LT hot water switching kit Hot water switching kit for connecting hygienic storage tank (300 l, 500 l) to Altherma LT wall mounted. Includes 3-way valve with actuator, storage tank sensor and cable.		
	EP LT 3HX (for 300 l tank, heating and cooling) EP LT 5X (for 500 l tank, heating and cooling)	EKDVCPLT3HX EKDVCPLT5X	335,- 694,-
	Third party domestic hot water tank connection kit Contains 3-way valve, contactor/fuse (BUH max. 3 kW), LT storage tank sensor.	EKUMBPART	250,-
	Storage tank sensor for Altherma LT wall mounted For use if no E-Pac is being used and the heat pump is (on site) connected to the storage tank.	SF LT 141037	48,-
	3-way switch valve 1" male 3-way switch valve 1" male thread with motor drive 240 V, switching time 6 sec. including connection cable 2 m.	3-W SV 156034	137,-
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	EKPCCAB4	317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	BZKA7V3	1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20 140111 UESV 25 140116	97,- 126,-
	Corner pipe bend kit	EKHVTC	114,-
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x 1/2" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC 172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC 172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500 156025	923,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	FWXV15A FWXV20A	762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-

Daikin Altherma R W

› heating only models


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

- › Energy efficient heating only system based on air to water heat pump technology
- › Perfect fit for new built as well as for low energy houses
- › Outstanding seasonal efficiency, providing the highest savings on running costs
- › Flexible configuration with respect to heat emitters
- › Possible to combine with domestic hot water
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



011-1W0068 → 78



Efficiency data				EHBH + ERLQ	04CB3V + 004CV3	08CB3V/9W + 006CV3	08CB3V/9W + 008CV3	11CB3V/9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity according to EN14511	A7/W35	kW		4,4	6	7,4	11,2	14	16	11,2	14	16	
			A2/W35	kW	3,27	4	4,5	5,71	5,71	5,71	5,71	5,71	5,71
Power input according to EN14511	Heating	A7/W35	kW	0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72	
				A2/W35	kW	0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54
COP according to EN14511	A7/W35			5,04	4,74	4,45	4,66	4,46	4,3	4,66	4,46	4,3	
			A2/W35		4,02	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71
 Space heating	Average climate water outlet 55°C	General	SCOP	3,20	3,22	3,23	3,09	3,16	3,06	3,09	3,16	3,06	
			ηs (Seasonal space heating efficiency)	%	125	126		120	123	119	120	123	119
			Seasonal space heating eff. class	A++			A+						
	Average climate water outlet 35°C	General	SCOP	4,52	4,29	4,34	3,98	3,90	3,80	3,98	3,90	3,80	
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class	A++					A+	A++		A+	

Indoor Unit				EHBH	04CB3V	08CB3V/9W	08CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W
Casing	Colour	White											
	Material	Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344									
Weight	Unit		kg	41	43	45	43	45	43	44	45	44	45
Operation range	Heating	Water side Min.~Max.	°C	15~55									
	Domestic hot water	Water side Min.~Max.	°C	25~80									
Sound power level	Nom.		dBA	40			41	44			41	44	
Sound pressure level	Nom.		dBA	26			27	30			27	30	

Outdoor Unit			ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1.345x900x320					
Weight	Unit		kg	54	56		113			114		
Compressor	Quantity			1								
	Type			Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10,0~43,0			10,0~46,0					
	Domestic hot water	Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type			R-410A								
	GWP			2.087,5								
	Charge		TCO ₂ eq kg	3,1	3,3		7,1					
				1,5	1,6		3,4					
	Control			Expansion valve (electronic type)								
Sound power level	Heating	Nom.	dBA	61		62	64		66	64		66
	Cooling	Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49	51		52	51		52
	Cooling	Nom.	dBA	48	49	50	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses		A	16		20	40			20		


Daikin Altherma R W

› reversible models

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

- › Energy efficient heating and cooling system based on air to water heat pump technology
- › Perfect fit for new built as well as for low energy houses
- › Outstanding seasonal efficiency, providing the highest savings on running costs
- › Flexible configuration with respect to heat emitters
- › Possible to combine with domestic hot water
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Online controller (optional): control your indoor from any location with an app, via your local network or internet
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



Efficiency data				EHBX + ERLQ	04CB3V + 004CV3	08CB3V/9W + 006CV3	08CB3V/9W + 008CV3	11CB3V/9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity according to EN14511		A7/W35	kW	4,4	6	7,4	11,2	14	16	11,2	14	16	
		A2/W35	kW	3,27	4	4,5	5,71	5,71	5,71	5,71	5,71	5,71	
Cooling capacity	Nom.		kW	4,08 (1) / 4,17 (2)	5,88 (1) / 4,84 (2)	6,20 (1) / 5,36 (2)	12,1 (1) / 11,7 (2)	12,7 (1) / 12,6 (2)	13,8 (1) / 13,1 (2)	12,1 (1) / 11,7 (2)	12,7 (1) / 12,6 (2)	13,8 (1) / 13,1 (2)	
Power input according to EN14511	Heating	A7/W35	kW	0,87	1,27	1,66	2,41	3,14	3,72	2,41	3,14	3,72	
		A2/W35	kW	0,81	1,07	1,21	1,54	1,54	1,54	1,54	1,54	1,54	
	Cooling	Nom.	kW	0,900 (1) / 1,80 (2)	1,51 (1) / 2,07 (2)	1,64 (1) / 2,34 (2)	3,05 (1) / 4,31 (2)	3,21 (1) / 5,08 (2)	3,74 (1) / 5,73 (2)	3,05 (1) / 4,31 (2)	3,21 (1) / 5,08 (2)	3,74 (1) / 5,73 (2)	
COP according to EN14511		A7/W35		5,04	4,74	4,45	4,66	4,46	4,3	4,66	4,46	4,3	
		A2/W35		4,02	3,75	3,71	3,71	3,71	3,71	3,71	3,71	3,71	
EER				4,55 (1) / 2,32 (2)	3,89 (1) / 2,34 (2)	3,79 (1) / 2,29 (2)	3,98 (1) / 2,72 (2)	3,96 (1) / 2,47 (2)	3,69 (1) / 2,29 (2)	3,98 (1) / 2,72 (2)	3,96 (1) / 2,47 (2)	3,69 (1) / 2,29 (2)	
 Space heating	Average climate water outlet 55°C	General	SCOP	3,20	3,22	3,23	3,09	3,16	3,06	3,09	3,16	3,06	
			ηs (Seasonal space heating efficiency)	%	125	126		120	123	119	120	123	119
			Seasonal space heating eff. class	A++			A+						
	Average climate water outlet 35°C	General	SCOP	4,52	4,29	4,34	3,98	3,90	3,80	3,98	3,90	3,80	
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class	A++			A+		A++		A+		

Indoor Unit			EHBX	04CB3V	08CB3V/9W		08CB3V/9W		11CB3V/9W		16CB3V/9W		16CB3V/9W		11CB3V/9W		16CB3V/9W		16CB3V/9W		
Casing	Colour				White																
	Material				Precoated sheet metal																
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344																	
Weight	Unit		kg	42	44	45	44	45	43	45	44	46	44	46	43	45	44	46	44	46	
Operation range	Heating	Water side Min.~Max.	°C	15~55						15~55											
	Cooling	Water side Min.~Max.	°C	5~22						5~22											
	Domestic hot water	Water side Min.~Max.	°C	25~80						25~80											
Sound power level	Nom.		dBA	40						41		44				41		44			
Sound pressure level	Nom.		dBA	26						27		30				27		30			

Outdoor Unit			ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1.345x900x320					
Weight	Unit		kg	54	56		113			114		
Compressor	Quantity			1								
	Type			Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10,0~43,0			10,0~46,0					
	Domestic hot water	Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type			R-410A								
	GWP			2.087,5								
	Charge		TCO _{2eq}	3,1	3,3		7,1					
			kg	1,5	1,6		3,4					
	Control			Expansion valve (electronic type)								
Sound power level	Heating	Nom.	dBA	61		62	64		66	64		66
	Cooling	Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49	51		52	51		52
	Cooling	Nom.	dBA	48	49	50	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses		A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C), (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C)



Daikin Altherma M

The reversible air-to-water Daikin Altherma M monobloc heat pump is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water

A simple solution

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit

- › Quiet and space-saving design that's easy to commission and install
- › All hydraulic components are combined into one outdoor unit
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- › Combine with an **ECH₂O** thermal store to provide thermal support
- › Combine with a stainless steel tank for domestic hot water

High performance

- › Improved seasonal efficiency ErP label up to A++
- › High capacity at low ambient temperatures
- › Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B

Easy installation

- › Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
- › Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
- › Fewer components lower the installation time and help maximise profits on the job

Year-round reliability

- › Delivers higher heating capacity at low ambient temperatures
- › Flow temperatures up to 55°C, perfect for new build applications using UFH
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- › Equipped with optional backup heater

Easy connection

- › The LAN adapter allows to control the unit via the heating app

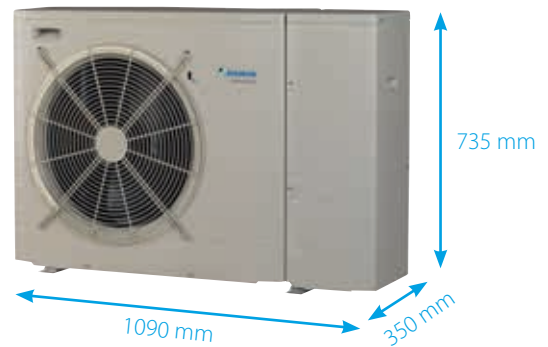


The 5-7 kW range of Daikin Altherma monobloc

A⁺⁺

55°C

- › Back-up heater less models
- › Separate indoor wiring centre (control box)
- › Separate back-up heater kit



The 11-16 kW range of Daikin Altherma monobloc

A⁺⁺

55°C

- › Smaller casing
- › Back-up heater less models and models with 3V integrated back-up heater for maximum installation flexibility
- › 1 ph and 3 ph models
- › Reversible and heating only models
- › LAN Adapter connection
- › A++ heating energy label (from G to A++)





*-36% compared to current monobloc

Daikin Altherma M



Air-to-water heat pump,
up to 55 °C flow











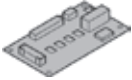
Outdoor units

		Type / Order No.	Price €
Daikin Altherma M			
	Heating and cooling		
	monobloc 5 kW 1~230 V monobloc 7 kW 1~230 V	EBLQ05CV3 EBLQ07CV3	4 445,- 5 062,-
	monobloc 11 kW 1~230 V (without back-up heater)	EBLQ011CV3	5 368,-
	monobloc 14 kW 1~230 V (without back-up heater)	EBLQ014CV3	5 636,-
	monobloc 16 kW 1~230 V (without back-up heater)	EBLQ016CV3	5 917,-
	monobloc 11 kW 1~230 V (with integrated 3 kW back-up heater)	EBLQ011C3V3	5 851,-
	monobloc 14 kW 1~230 V (with integrated 3 kW back-up heater)	EBLQ014C3V3	6 143,-
	monobloc 16 kW 1~230 V (with integrated 3 kW back-up heater)	EBLQ016C3V3	6 449,-
	monobloc 11 kW 3~400 V (without back-up heater)		
	monobloc 14 kW 3~400 V (without back-up heater)	EBLQ011CW1	5 530,-
	monobloc 16 kW 3~400 V (without back-up heater)	EBLQ014CW1	5 804,-
	monobloc 11 kW 3~400 V (with integrated 3 kW back-up heater)	EBLQ016CW1	6 095,-
	monobloc 14 kW 3~400 V (with integrated 3 kW back-up heater)	EBLQ011C3W1	6 028,-
	monobloc 16 kW 3~400 V (with integrated 3 kW back-up heater)	EBLQ014C3W1	6 327,-
		EBLQ016C3W1	6 644,-
	Heating		
monobloc 5 kW 1~230 V monobloc 7 kW 1~230 V	EDLQ05CV3 EDLQ07CV3	4 137,- 4 752,-	
monobloc 11 kW 1~230 V (without back-up heater)	EDLQ011CV3	5 077,-	
monobloc 14 kW 1~230 V (without back-up heater)	EDLQ014CV3	5 331,-	
monobloc 16 kW 1~230 V (without back-up heater)	EDLQ016CV3	5 597,-	
monobloc 11 kW 1~230 V 1~230 V (with integrated 3 kW back-up heater)	EDLQ011C3V3	5 534,-	
monobloc 14 kW 1~230 V 1~230 V (with integrated 3 kW back-up heater)	EDLQ014C3V3	5 811,-	
monobloc 16 kW 1~230 V 1~230 V (with integrated 3 kW back-up heater)	EDLQ016C3V3	6 101,-	
monobloc 11 kW 3~400 V (without back-up heater)	EDLQ011CW1	5 230,-	
monobloc 14 kW 3~400 V (without back-up heater)	EDLQ014CW1	5 490,-	
monobloc 16 kW 3~400 V (without back-up heater)	EDLQ016CW1	5 764,-	
monobloc 11 kW 3~400 V (with integrated 3 kW back-up heater)	EDLQ011C3W1	5 700,-	
monobloc 14 kW 3~400 V (with integrated 3 kW back-up heater)	EDLQ014C3W1	5 984,-	
monobloc 16 kW 3~400 V (with integrated 3 kW back-up heater)	EDLQ016C3W1	6 283,-	





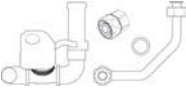
Mandatory controls and accessories

	Type / Order No.	Price €
	Remote user interface Used as a remote controller or a room thermostat for Altherma LT units Languages: German, French, Italian, Dutch Languages: English, Turkish, Polish, Romanian Languages: German, Czech, Slovenian, Slovak Languages: English, Croatian, Hungarian, Bulgarian Languages: English, German, Russian, Danish	
	EKRUCBL1	150,-
	EKRUCBL4	150,-
	EKRUCBL5	150,-
	EKRUCBL6	150,-
	EKRUCBL7	150,-
	K.FERNOTTF1	212,-










Controls

		Type / Order No.	Price €
	Wiring center Wiring center for Altherma monobloc For heating / heating and cooling units Additional I/O box, requires EKCB07CV3	EKCB07CV3 EK2CB07CV3	304,- 304,-
	LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection	BRP069A62 BRP069A61	122,- 189,-
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTWA	152,-
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTR	299,-
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTR).	EKRTETS	17,-
	Additional indoor temperature sensor Optional remote indoor sensor can be installed to measure actual room temperature on another location.	KRCS01-1	84,-
	Additional outdoor temperature sensor Used to correct the ambient temperature measurement of the sensor integrated in the outdoor unit.	EKRSCI	96,-
	Digital I/O PCB Digital I/O PCB enables simple communication with external devices	EKRP1HBA	159,-
	Demand PCB Demand PCB provides digital inputs for power consumption limitation	EKRP1AHT	158,-

Accessories

		Type / Order No.	Price €
	Altherma-to-PC USB interface Used to connect the indoor unit to PC (for software updating and monitoring).	EKPCCAB4	317,-
	Additional kit for bi-zone application Optional kit for controlling two temperature zones. Consisted of a hydraulic separator, two water pumps and a controller unit.	BZKA7V3	1 038,-
	Overflow valve Guarantees the minimum flow rate (for Altherma LT heat pumps excluding Altherma LT ECH ₂ O)	UESV 20 UESV 25	140111 140116
	Corner pipe bend kit	EKHVTC	114,-
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms. Heat pump convector 1,5 kW (heating) Heat pump convector 2,0 kW (heating)	FWXV15A FWXV20A	762,- 819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-

Accessories

		Type / Order No.	Price €	
	E-Pac LT hot water switching kit Hot water switching kit for connecting hygienic storage tank (300 l, 500 l) to Altherma LT wall mounted. Includes 3-way valve with actuator, storage tank sensor and cable.			
	EP LT 3HX (for 300 l tank, heating and cooling) EP LT 5X (for 500 l tank, heating and cooling)	EKDVCPLT3HX EKDVCPLT5X	335,- 694,-	
	Back-up heater kit external back-up heater kit for Altherma monobloc 230V single phase, 3 kW 400V three phase, 9 kW	EKMBUHC3V3 EKMBUHC9W1	703,- 712,-	
		3 way by-pass kit Required BUH is used in combination with reversible units due to condensation risk	EKMBHBP	on request
	Return flow temperature limitation Return flow temperature limitation to max. 55 °C. Component required when combining with additional energy source. Choice depends on pipework design and flow rates. RLB 300 with 1" male thread and Kvs 3.2 (only 6 – 8 kW LT compact) RLB 500 with 1 1/4" male thread and Kvs 9 (6 – 16 kW LT compact)	140114 140115	119,- 150,-	
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x ½" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC 172900	578,-	
		Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC 172901	365,-
		Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500 156025	923,-
	Outdoor unit guard	K.CG750S	600,-	
	Base panel to cover bottom of guard if mounted at high level	K.CG750FPS	221,-	
	Part guard to cover exposed side coil	K.CG5IDE	310,-	
	Base plate for K.CG750S outdoor unit guard	K.CG750BPML	153,-	
	Fixings for steel drip tray to flexi feet	K.DTFB	92,-	
	Flexi foot narrow	K.FF600ASN	107,-	
	Flexi foot standard	K.FF600S	99,-	
	Through wall insulation sleeve kit	K.SLEEVE	71,-	
	Flexible hose 750mm	K.HOSE750	155,-	
	Flexible hose 500mm	K.HOSE500	130,-	
	Flexible hose 750mm with elbow	K.HOSE750EL	223,-	
	Wall brackets (250kg, 660mm long)	K.CWBXL	168,-	
	Stainless steel wall brackets (250kg, 660mm long)	K.CWBXLSS	593,-	
	Condensate drip tray to use with K.CWBXL	K.DT2	119,-	
	Heater for drain pan trough for 4 – 8 kW outdoor unit Heater tape to install in central hole of drain pan to prevent ice blockage	EKDPH008C	278,-	

Daikin Altherma M

> 05-07 kW

> without backup heater

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

- > Compact reversible monobloc for space heating & cooling with optional domestic hot water
- > Compact heating only monobloc for space heating with optional domestic hot water
- > Fuss-free installation: only water connections required
- > Reliable operation even when -25°C outside thanks to frost protection features such as free hanging coil
- > COP up to 5 with typical annual efficiencies up to 300%
- > Online controller (optional): control your indoor from any location with an app, via your local network or internet
- > Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)



011-1W0079
011-1W0080




E(D/B)LQ05-07CV3



A++

55°C

R-410A

Single Unit				EBLQ/EDLQ	05CV3	07CV3	05CV3	07CV3
 Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	125			
			SCOP		3,20	3,22	3,20	3,22
			Seasonal space heating eff. class	A++				
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	172	163	172	163
			SCOP	4,39	4,14	4,39	4,14	
			Seasonal space heating eff. class	A++				
Heating capacity	Nom.			kW	4,40(1) / 4,03(2)	7,00(1) / 6,90(2)	4,40(1) / 4,03(2)	7,00(1) / 6,90(2)
Cooling capacity	Nom.			kW	3,88(1) / 3,99(2)	5,20(1) / 5,15(2)	-	-
Power input	Cooling	Nom.		kW	0,950(1) / 1,93(2)	1,37(1) / 2,69(2)	-	-
	Heating	Nom.		kW	0,880(1) / 1,13(2)	1,55(1) / 2,45(2)	0,880(1) / 1,13(2)	1,55(1) / 2,02(2)
COP					5,00(1) / 3,58(2)	4,52(1) / 3,42(2)	5,00(1) / 3,58(2)	4,52(1) / 3,42(2)
EER					4,07(1) / 2,07(2)	3,80(1) / 2,10(2)	-	-
Dimensions	Unit	HeightxWidthxDepth		mm	735x1090x350			
Weight	Unit			kg	76,0	80,0	76,0	80,0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55,0			
	Cooling	Ambient	Min.~Max.	°CDB	10,0~43,0			
		Water side	Min.~Max.	°C	5,00 ~22,0			
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25,0 ~35,0			
		Water side	Min.~Max.	°C	25~80		25~80	
Refrigerant	Type				R-410A			
	GWP				2.088			
	Charge			kg	1,30	1,45	1,30	1,45
	Charge			TCO ₂ Eq	2,714	3,027	2,714	3,027
	Control				Expansion valve (electronic type)			
Sound power level	Heating	Nom.		dBA	61	62	61	62
	Cooling	Nom.		dBA	63.0		-	-
Sound pressure level	Heating	Nom.		dBA	48	49	48	49
	Cooling	Nom.		dBA	48	50	-	-

Wiring centre				EKCB07CV3		EK2CB07CV3	
Casing	Colour			White			
	Material			Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	360x340x97.0			
Weight	Unit			4.00			

Back-up heater kit				EKMBUHC3V3		EKMBUHC9W1	
Casing	Colour			White			
	Material			Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	560x250x210			
Weight	Unit		kg	11.0		13.0	

(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 45°C (DT = 5°C)

(3) Contains fluorinated greenhouse gases

Daikin Altherma M


> 11-14-16 kW

> without backup heater

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

- > Monobloc all-in-one concept including hydraulic parts
- > Separate indoor wiring center (control box)
- > LAN Adapter connection
- > Possible to combine with domestic hot water
- > Energy efficient heating only system based on air-to-water heat pump technology
- > A++ heating energy label (from G to A++)



Single Unit				EBLQ/EDLQ	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
	Space heating	Average climate water outlet 55°C	General	η_s (Seasonal space heating efficiency)	120	123	119	120	123	119
				SCOP	3,09	3,16	3,06	3,09	3,16	3,06
		Seasonal space heating eff. class							A+	
	Average climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	156	153	149	156	153	149	
			SCOP	3,98	3,90	3,80	3,98	3,90	3,80	
Seasonal space heating eff. class			A++		A+		A++		A+	
Heating capacity	Nom.		kW	11,2 (1) / 11,0 (2)	14,5 (1) / 13,6 (2)	16,0 (1) / 15,2 (2)	11,2 (1) / 11,0 (2)	14,5 (1) / 13,6 (2)	16,0 (1) / 15,2 (2)	
Cooling capacity (only applicable to EBLQ)	Nom.		kW	12,4 (1) / 11,6 (2)	12,8 (1) / 12,6 (2)	13,9 (1) / 13,6 (2)	12,4 (1) / 11,6 (2)	12,8 (1) / 12,6 (2)	13,9 (1) / 13,6 (2)	
Power input	Cooling	Nom.	kW	3,18 (1) / 5,09 (2)	3,16 (1) / 5,14 (2)	3,56 (1) / 5,96 (2)	3,18 (1) / 5,09 (2)	3,16 (1) / 5,14 (2)	3,56 (1) / 5,96 (2)	
	Heating	Nom.	kW	2,43 (1) / 3,10 (2)	3,37 (1) / 4,10 (2)	3,76 (1) / 4,66 (2)	2,43 (1) / 3,10 (2)	3,37 (1) / 4,10 (2)	3,76 (1) / 4,66 (2)	
COP					4,61 (1) / 3,55 (2)	4,30 (1) / 3,32 (2)	4,26 (1) / 3,26 (2)	4,61 (1) / 3,55 (2)	4,30 (1) / 3,32 (2)	4,26 (1) / 3,26 (2)
EER (only applicable to EBLQ)					3,90 (1) / 2,28 (2)	4,05 (1) / 2,45 (2)	3,90 (1) / 2,28 (2)	3,90 (1) / 2,28 (2)	4,05 (1) / 2,45 (2)	3,90 (1) / 2,28 (2)
SEER (only applicable to EBLQ)					3,85	3,89	3,90	3,85	3,89	3,90
Dimensions	Unit	HeightxWidthxDepth		mm	1.348x1.160x380					
Weight	Unit			kg	151		154			
Operation range (3)	Heating	Ambient	Min.~Max.	°CWB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46					
		Water side	Min.~Max.	°C	5~22					
Operation range (3)	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type				R-410A					
	GWP				2.087,5					
	Charge	kg			3,40					
	Charge	TCO ₂ Eq			7,10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.	dBA	64		66	64		66	
	Cooling	Nom.	dBA	64	66	69	64	66	69	
Sound pressure level	Heating	Nom.	dBA	51		52	51		52	
	Cooling	Nom.	dBA	50	52	54	50	52	54	

Wiring centre				EKCB07CV3		EK2CB07CV3	
Casing	Colour			White			
	Material			Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	360x340x97,0			
Weight	Unit		kg	4,00			

Back-up heater kit				EKMBUHC3V3		EKMBUHC9W1	
Casing	Colour	White					
	Material	Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm	560x250x210			
Weight	Unit		kg	11,0		13,0	

(1) 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) | (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) Including back-up heater and/or booster heater, see details in databook.

Daikin Altherma M

> 11-14-16 kW

> with integrated back-up heater

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

- > Monobloc all-in-one concept including hydraulic parts
- > Separate indoor wiring center (control box)
- > LAN Adapter connection
- > Possible to combine with domestic hot water
- > Energy efficient heating only system based on air-to-water heat pump technology
- > A++ heating energy label (from G to A++)




E(D-B)LQ011-016CV3



011-1W0259 → 261



Single Unit				EBLQ/EDLQ	011C3V3	014C3V3	016C3V3	011C3W1	014C3W1	016C3W1	
 Space heating	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency)	120	123	119	120	123	119		
	Average climate water outlet 35°C		General	SCOP	3,09	3,16	3,06	3,09	3,16	3,06	
				Seasonal space heating eff. class	A+						
		η _s (Seasonal space heating efficiency)		156	153	149	156	153	149		
		SCOP	3,98	3,90	3,80	3,98	3,90	3,80			
	Seasonal space heating eff. class	A++		A+	A++		A+				
Heating capacity	Nom.		kW	11,2 (1) / 11,0 (2)	14,5 (1) / 13,6 (2)	16,0 (1) / 15,2 (2)	11,2 (1) / 11,0 (2)	14,5 (1) / 13,6 (2)	16,0 (1) / 15,2 (2)		
Cooling capacity (only applicable to EBLQ)	Nom.		kW	12,4 (1) / 11,6 (2)	12,8 (1) / 12,6 (2)	13,9 (1) / 13,6 (2)	12,4 (1) / 11,6 (2)	12,8 (1) / 12,6 (2)	13,9 (1) / 13,6 (2)		
Power input	Cooling	Nom.	kW	3,18 (1) / 5,09 (2)	3,16 (1) / 5,14 (2)	3,56 (1) / 5,96 (2)	3,18 (1) / 5,09 (2)	3,16 (1) / 5,14 (2)	3,56 (1) / 5,96 (2)		
	Heating	Nom.	kW	2,43 (1) / 3,10 (2)	3,37 (1) / 4,10 (2)	3,76 (1) / 4,66 (2)	2,43 (1) / 3,10 (2)	3,37 (1) / 4,10 (2)	3,76 (1) / 4,66 (2)		
COP				4,61 (1) / 3,55 (2)	4,30 (1) / 3,32 (2)	4,26 (1) / 3,26 (2)	4,61 (1) / 3,55 (2)	4,30 (1) / 3,32 (2)	4,26 (1) / 3,26 (2)		
EER (only applicable to EBLQ)				3,90 (1) / 2,28 (2)	4,05 (1) / 2,45 (2)	3,90 (1) / 2,28 (2)	3,90 (1) / 2,28 (2)	4,05 (1) / 2,45 (2)	3,90 (1) / 2,28 (2)		
SEER (only applicable to EBLQ)				3,85	3,89	3,90	3,85	3,89	3,90		
Dimensions	Unit	HeightxWidthxDepth		mm	1.348x1.160x380						
Weight	Unit			kg	157			160			
Operation range (3) Heating	Ambient	Min.~Max.	°CWB	-25~35							
				25~55							
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46						
					5~22						
Operation range (3) Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35							
				25~80							
Refrigerant	Type	R-410A									
	GWP	2.087,5									
	Charge	kg	3,40								
	Charge	TCO ₂ Eq	7,10								
	Control	Expansion valve (electronic type)									
Sound power level	Heating	Nom.	dBA	64		66	64		66		
	Cooling	Nom.	dBA	64	66	69	64	66	69		
Sound pressure level	Heating	Nom.	dBA	51		52	51		52		
	Cooling	Nom.	dBA	50	52	54	50	52	54		
Wiring centre				EKCB07CV3				EK2CB07CV3			
Casing	Colour	White									
	Material	Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97,0						
Weight	Unit			kg	4,00						

(1) 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) | (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) Including back-up heater and/or booster heater, see details in databook.

Daikin Altherma R HT

Why choose a Daikin Altherma high temperature split

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

✓ Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

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

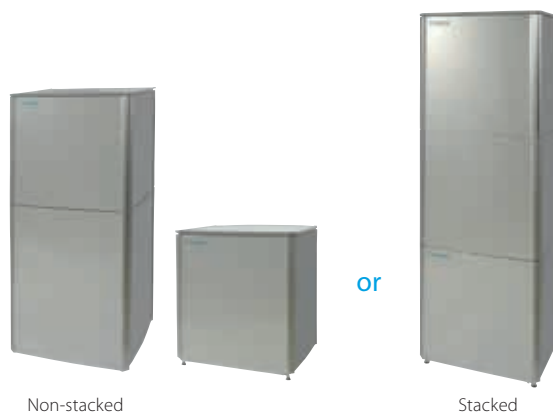
Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

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

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

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



ECH₂O thermal store: hot water savings with solar energy

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





✓ Energy efficiency

Powered by renewable energy

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



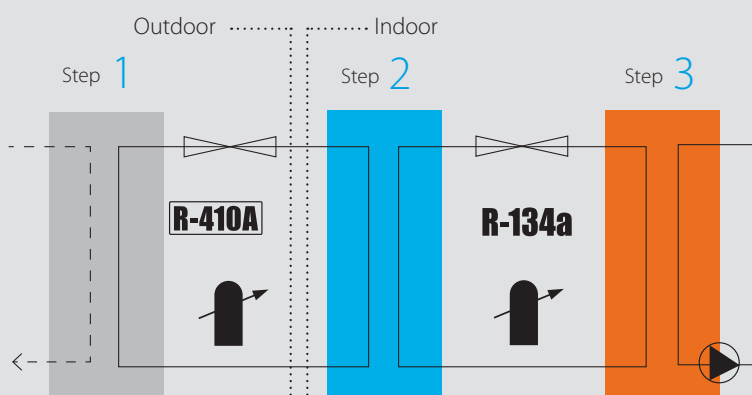
Reliability

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

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

Cascade technology

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



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

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

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


Daikin

Altherma R HT


Air-to-water heat pump,
up to 80 °C flow




Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R HT indoor unit For outdoor unit 11, 14 and 16 kW (Heating only) Equipped with speed-controlled heating circulation pump, expansion vessel, safety module with pressure gauge and safety valve, filling and evacuation valves and brass dirt trap. Including external control unit which can also be used as a room thermostat. Dimensions (WxDxH) 600 x 695 x 705 mm.</p> <p>Daikin Altherma HT 11 kW indoor unit 1~230V Daikin Altherma HT 14 kW indoor unit 1~230V Daikin Altherma HT 16 kW indoor unit 1~230V</p> <p>Daikin Altherma HT 11 kW indoor unit 3~400V Daikin Altherma HT 14 kW indoor unit 3~400V Daikin Altherma HT 16 kW indoor unit 3~400V</p>		
	EKHBRD011ADV17	5 122,-
	EKHBRD014ADV17	5 317,-
	EKHBRD016ADV17	5 480,-
	EKHBRD011ADY17	5 266,-
	EKHBRD014ADY17	5 473,-
	EKHBRD016ADY17	5 666,-


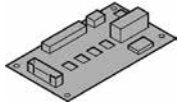
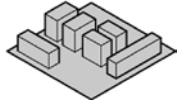








Outdoor units and accessories

	Type /Order No.	Price €
 <p>Daikin Altherma high temp outdoor unit (Heating only) Inverter split heat pump outdoor unit as an inverter-controlled compressor / condenser unit. Accommodated in a weatherproof, galvanized sheet steel housing, primed and synthetic resin and powder coated. Application for high temperatures up to 80 °C without electrical heating. Operation of the appliance down to -25 °C. Dimensions (WxDxH) 900 x 320 x 1.345 mm.</p> <p>Daikin Altherma HT 11 kW outdoor unit 1~230 V Daikin Altherma HT 14 kW outdoor unit 1~230 V Daikin Altherma HT 16 kW outdoor unit 1~230 V</p> <p>Daikin Altherma HT 11 kW outdoor unit 3~400 V Daikin Altherma HT 14 kW outdoor unit 3~400 V Daikin Altherma HT 16 kW outdoor unit 3~400 V</p>		
	ERRQ011AV1	3 336,-
	ERRQ014AV1	3 985,-
	ERRQ016AV1	4 524,-
	ERRQ011AY1	3 818,-
	ERRQ014AY1	4 512,-
	ERRQ016AY1	5 143,-

Mandatory Accessories

	Type / Order No.	Price €
 <p>Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipe work Includes valves and fittings</p>	K.FERNOXTF1	212,-

Accessories

		Type / Order No.	Price €	
	Remote user interface can be used as a second user interface (master/slave) besides the one delivered with the indoor unit	EKRUHTB	237,-	
	Demand PCB (4-8 kW) Additional board for external control, on/off device, heating /cooling switch and connection of external backup heater	EKRP1AHT	158,-	
	Digital I/O PCB Communication unit for Altherma LT, Altherma HT for several use cases e.g. status and alarm signal.	EKRP1HBA	159,-	
	Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTWA	152,-	
	Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions	EKRTR	299,-	
	Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTR).	EKRTETS	17,-	
	Modbus Interface monitoring and control ModBus interface	RTD-W	371,-	
	Sequencing Controller master/slave control kit that can control and monitor up to 16 hydroboxes, connected through RTD-W	EKCC-W	1 336,-	
	Electrical backup heater for space heating support only			
	In-line backup heater 1~ 230V, 6 kW	EKBUHA6V3	701,-	
	In-line backup heater 3~400V, 6 kW	EKBUHA6W1	701,-	
	Bottom plate heater	EKBPTH16A	on request	
	Refrigerant stop valves	EKRSVHT	on request	
	Compatibility kit 1	EKMKHT1	83,-	
	Compatibility kit 2	EKMKHT2	on request	
	E-Pac HT switching unit Switching unit for mounting on the hygienic storage tank (300/500 l). Includes three-way switch valve, connection cable and storage tank sensor. Required for connecting the hygienic storage tank to the Altherma HT.			
	EP HT 3H (for 300 l tank)	EP HT 3H	EKEPHT3H	357,-
	EP HT 5H (for 500 l tank)	EP HT 5H	EKEPHT5H	471,-
	Storage tank sensor (included in EPHTxH)	Sensor	5002145	47,-
	3-way switch valve 1" male 3-way switch valve 1" male thread with motor drive 240 V, switching time 6 sec. including connection cable 2 m.	3-W SV	156034	137,-
	Option kit for standalone tank Kit required when EKHTS tanks are to be placed next to the indoor unit	EKFMAHTB	608,-	
	Hydraulic diverter DN 125 DN125 round pipe diverter sub-divided into four zones using perforated separator discs (length approx. 1.550 mm). 8x 1" male thread heating circuit connections, 1 x ½" sleeve and standing foot. Maximum permissible pressure/temperature: 6 bar/110 °C.	HWC	172900	578,-
	Thermal insulation for hydraulic diverter WHWC Thermal insulation, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	WHWC	172901	365,-
	Hydraulic diverter DN 25 For vertical installation with thermal insulation and drain cock included. Inlet/outlet G1 IG (DN 25, union nut). Up to 2.500 l water throughput.	HW2500	156025	923,-

Daikin Altherma R HT



Floor standing heating only air to water heat pump combinable with existing radiators

- › Energy efficient heating only system based on air to water heat pump technology
- › Single and three phase floor standing indoor unit up to 16kW
- › High temperature application: up to 80°C without electric heater
- › Easy replacement of existing boiler, without changing heating pipes
- › Combinable with high temperature radiators
- › Low energy bills and low CO₂ emissions
- › Inverter controlled scroll compressor
- › Outdoor unit extracts heat from the outdoor air, even at -20°C



011-1W0256 → 258



Efficiency data				EKHBRD + ERRQ	011ADV17 + 011AV1	014ADV17 + 014AV1	016ADV17 + 016AV1	011ADY17 + 011AY1	014ADY17 + 014AY1	016ADY17 + 016AY1	
	Space heating	Average climate water outlet 55°C	General	SCOP	2,65	2,66	2,61	2,65	2,66	2,61	
				ηs (Seasonal space heating efficiency) %	103	104	102	103	104	102	
		Seasonal space heating eff. class	A+								
		Average climate water outlet 35°C	General	SCOP	2,70	2,81	2,88	2,70	2,81	2,88	
				ηs (Seasonal space heating efficiency) %	105	110	112	105	110	112	
			Seasonal space heating eff. class	C	B		C	B			
	Domestic hot water	General	Declared load profile		-						
		Average climate		ηwh (water heating efficiency) %	-						
				Water heating energy efficiency class		-					
Heating capacity	Nom.			kW	11,3 (1) / 11,0 (2) / 11,2 (3)	14,5 (1) / 14,0 (2) / 14,4 (3)	16,0 (1) / 16,0 (2) / 16,0 (3)	11,3 (1) / 11,0 (2) / 11,2 (3)	14,5 (1) / 14,0 (2) / 14,4 (3)	16,0 (1) / 16,0 (2) / 16,0 (3)	
Power input	Heating	Nom.		kW	3,80 (1) / 4,40 (2) / 2,67 (3)	5,02 (1) / 5,65 (2) / 3,87 (3)	5,86 (1) / 6,65 (2) / 4,31 (3)	3,80 (1) / 4,40 (2) / 2,67 (3)	5,02 (1) / 5,65 (2) / 3,87 (3)	5,86 (1) / 6,65 (2) / 4,31 (3)	
COP					2,97 (1) / 2,50 (2) / 4,20 (3)	2,89 (1) / 2,48 (2) / 3,72 (3)	2,73 (1) / 2,41 (2) / 3,72 (3)	2,97 (1) / 2,50 (2) / 4,20 (3)	2,89 (1) / 2,48 (2) / 3,72 (3)	2,73 (1) / 2,41 (2) / 3,72 (3)	
Indoor Unit				EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17	
Casing	Colour				Metallic grey						
	Material				Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695							
Weight	Unit				144			147			
Operation range	Heating	Ambient	Min.~Max.	°C	-20,0 / 0,00~20						
		Water side	Min.~Max.	°C	25~80,0						
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20,0~35,0						
		Water side	Min.~Max.	°C	25~80						
Refrigerant	Type	R-134a									
	Charge				2,60						
					3.718						
	GWP				1.430						
Sound pressure level	Nom.				dBA	43,0 (2) / 46,0 (3)	45,0 (2) / 46,0 (3)	46,0 (2) / 46,0 (3)	43,0 (2) / 46,0 (3)	45,0 (2) / 46,0 (3)	46,0 (2) / 46,0 (3)
	Night quiet mode	Level 1				dBA	40	43	45	40	43
Outdoor Unit				ERRQ	011AV1	014AV1	016AV1	011AY1	014AY1	016AY1	
Dimensions	Unit	HeightxWidthxDepth	mm	1.345x900x320							
Weight	Unit				120						
Compressor	Quantity	1									
	Type	Hermetically sealed scroll compressor									
Operation range	Heating	Min.~Max.	°CWB	-20~20							
	Domestic hot water	Min.~Max.	°CDB	-20~35							
Refrigerant	Type	R-410A									
	GWP	2.087,5									
	Charge				9,4						
					4,5						
				Control	Expansion valve (electronic type)						
Sound power level	Heating	Nom.	dBA	68	69	71	68	69	71		
Sound pressure level	Heating	Nom.	dBA	52	53	55	52	53	55		
Power supply	Name/Phase/Frequency/Voltage				Hz/V			V1/3~/50/380-415			
Current	Recommended fuses				A			16			

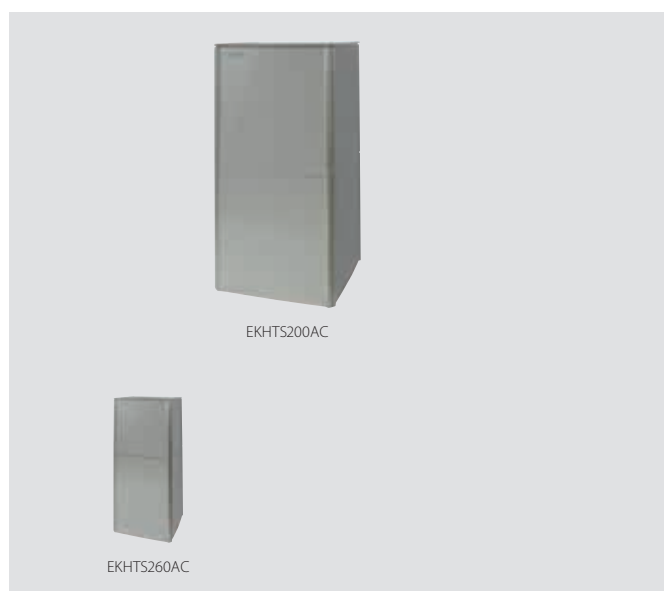
(1) EW 55°C; LW 65°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB (2) EW 70°C; LW 80°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB (3) EW 30°C; LW 35°C; Dt 5°C; ambient conditions: 7°CDB/6°CWB

(2) Sound levels are measured at: EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7°CDB/6°CWB (3) Sound levels are measured at: EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7°CDB/6°CWB

Daikin Altherma R HT hot water tank

Stackable stainless steel domestic hot water tank

- › Stainless steel domestic hot water tank
- › The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- › Available in 200 and 260 liters
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- › Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes



Accessory				EKHTS	200AC	260AC
Casing	Colour					Metallic grey
	Material					Galvanised steel (precoated sheet metal)
Dimensions	Unit	Height	Integrated on indoor unit	mm	2.010	2.285
		Width		mm	600	
		Depth		mm	695	
Weight	Unit	Empty		kg	70	78
Tank	Water volume			l	200	260
	Material		Stainless steel (EN 1.4521)			
	Maximum water temperature			°C	75	
	Insulation	Heat loss		kWh/24h	12,0	15,0
	Energy efficiency class				B	
	Standing heat loss			W	50	63
	Storage volume			l	200	260
Heat exchanger	Quantity				1	
	Tube material				Duplex steel (EN 1.4162)	
	Face area			m²	1.560	
	Internal coil volume			l	7,5	

Daikin Altherma M HW



Why choose a monobloc domestic hot water heat pump ?

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

✓ High performance

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

✓ Easy to install and control

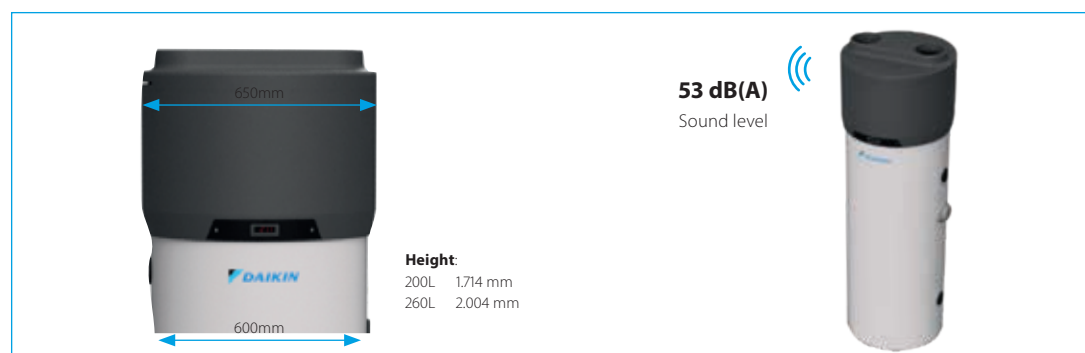
- › All components are built-in and ready to work
- › Compact sizes and low weight, which make it easily manoeuvrable through small doors and spaces
- › Easy connection, from top of the unit, maximizes placing possibilities
- › 3 easy operating modes, Eco – Auto – Boost, for your personal preferences

✓ Renewable power

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

✓ Year-round reliability

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



Daikin

Altherma M HW

Air-to-water heat pump,
up to 55 °C flow




011-1W0215 → 217



A⁺

56°C

Indoor units

		Type / Order No.	Price €
	Daikin Altherma M HW High performance monobloc domestic hot water heat pump providing enhanced hot water comfort with quiet operation, easy handling, flexible installation, solar connectivity and different integration possibilities. Dimensions (diameter) 650 mm / height (200 l) 1.210 mm (260 l) 1.500 mm		
	With 200 l tank	EKHH2E200AV33	1 771,-
	With 260 l tank	EKHH2E260AV33	1 932,-
	With 260 l tank and +1 coil for solar thermal connection	EKHH2E260PAV33	2 019,-

Indoor unit			EKHH2E	200AV33	260AV33	260PAV33	
COP				3,00(1) / 3,30(2)	3,10(1) / 3,60(2)		
Heat pump	Casing	Colour		White body / grey top			
		Material		Cover: EPP top finishing			
	Operation range	Ambient Min.	°CDB	-7			
		Max.	°CDB	38			
	Power supply	Phase		1P			
		Frequency	Hz	50			
		Voltage	V	230			
Tank	Casing	Colour		White			
		Material		Embossed ABS			
	Dimensions	Unit	HeightxWidthxDepth	mm	1.714x650x650	2.004x650x650	
	Operation range	Water side Min.	°C	10			
		Max.	°C	56			
	Standing heat loss			W	60	70	71
	Power supply	Phase		1P			
		Frequency	Hz	50			
		Voltage	V	230			

(1) Temperature of incoming air supply = 7°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 16147-2011).

(2) Temperature of incoming air supply = 15°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 16147-2011).

Daikin Altherma R HW

Why choose a split domestic hot water heat pump ?

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

✓ Comfort

Fresh water principle:

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

Easy installation

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

✓ Reliability

- › Electrical backup (2.5 kW) ensures hot water under all circumstances; the 500l tank can also be equipped with an external hydraulic backup
- › The ECH₂O thermal store is engineered to provide you with fresh, healthy and safe hot water
- › By just using the heat pump, the temperature of the water can reach up to 55°C and its production is guaranteed down to -15°C

✓ Energy efficiency

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



Polypropylene casing, resistant to corrosion and shocks

Stainless steel heat exchanger for hot water production

Polyurethane insulation of 5 cm to 8 cm

Due to product compliance please check if product is available in your country.

Daikin

Altherma R HW

Air-to-water heat pump,
up to 55 °C flow

Due to product compliance please check if
product is available in your country.




A


55°C


R-410A

Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R HW High performance domestic hot water heat pump equipped with 2 kW electric booster heater. Polypropylene casing, resistant to corrosion and shocks, stainless steel heat exchanger for hot water production, polyurethane insulation of 5 cm to 8 cm, photovoltaic solar connection (option) and Wi-Fi control possibility. Dimensions (H x W x D): 300 l: 1.750 x 615 x 615 mm 500 l: 1.750 x 790 x 790 mm</p> <p>With 300 l tank With 500 l tank</p>	<p>EKHHP300A2V3 EKHHP500A2V3</p>	<p>2 392,- 2 791,-</p>

Outdoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R HW 2,5 kW nominal capacity. Equipped with hermetically sealed swing compressor. Application range: DHW heating to -15 °C external temperature. Dimensions (W x D x H) 765 x 285 x 550 mm</p> <p>DHW heat pump outdoor unit 1~230 V</p>	<p>ERWQ02AV3</p>	<p>1 064,-</p>

Efficiency data			EKHHP + ERWQ	300A2V3 + 02AV3	500A2V3 + 02AV3	
	Domestic hot water	General	Declared load profile	L	XL	
		Average climate	η _{wh} (water heating efficiency) %	119	123	
			Water heating energy efficiency class	A		
COP				4,30 (1)		
Indoor Unit				EKHHP	300A2V3	500A2V3
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)		
Dimensions	Unit	HeightxWidthxDepth	mm	1.750x615x615		1.750x790x790
Weight	Unit		kg	70		80
Tank	Water volume		l	294		477
	Maximum water temperature		°C	85		
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB		2~35
		Water side	Min.~Max.	°C		5~55
Refrigerant	Type			R-410A		
Outdoor Unit				ERWQ	02AV3	02AV3
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	
Weight	Unit			kg	35	
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
Operation range	Domestic hot water	Min.~Max.		°CDB		-15~35
Refrigerant	Type				R-410A	
	GWP				2.087,5	
	Charge		kg		1,05	
	Charge		TCO ₂ Eq		2,2	
Sound pressure level	Heating	Nom.		dBA	47	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230	

(1) at 7°C ambient temperature (2) Contains fluorinated greenhouse gases



Daikin Altherma R Flex Type HT HW

Why choose a Daikin Altherma R Flex Type HT HW

Daikin Altherma R Flex Type HT HW is ideal for large requirements of domestic hot water like apartment buildings or commercial spaces.

✓ Comfort

Domestic hot water

- › Equipped with air-to-water heat pump technology
- › Best system to meet high demands for hot water
- › Using renewable energy from the heat pump, the system can heat the hot water tank up to 75°C without using an electric heater

✓ Energy efficiency

- › High energy efficiency achieves high sustainability and low operation costs
- › Inverter compressor continuously adjusts the compressor speed to meet actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures

✓ Reliability

Modular system

One or more outdoor units can be connected to several indoor units (maximum 10 indoor units per outdoor unit)



Daikin Altherma R Flex Type HT HW

High temperature high capacity
Air-to-water heat pump
for domestic hot water




A


80°C

R-410A

Outdoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R Flex Type HT HW outdoor units Nominal heating capacity is measured at Ta 7°C with a 100% connection ratio.</p> <p>Daikin Altherma HT Flex outdoor unit 8HP Outdoor unit with 22,4kW heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma HT Flex outdoor unit 10HP Outdoor unit with 28 kW heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma HT Flex outdoor unit 12HP Outdoor unit with 33,6kW heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma HT Flex outdoor unit 14HP Outdoor unit with 39,2kW heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma HT Flex outdoor unit 16HP Outdoor unit with 44,8kW heating capacity, power supply 3~ 400V</p>	EMRQ8AB	10 639,-
	EMRQ10AB	11 278,-
	EMRQ12AB	12 341,-
	EMRQ14AB	14 895,-
	EMRQ16AB	17 024,-

Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R Flex Type HT HW indoor units Floor standing unit for DHW production applications. All basic necessary hydraulic components included.</p> <p>Daikin Altherma HT Flex 11kW indoor unit Power Supply 1~ 230V</p> <p>Daikin Altherma HT Flex 14kW indoor unit Power Supply 1~ 230V</p> <p>Daikin Altherma HT Flex 16kW indoor unit Power Supply 1~ 230V</p> <p>Daikin Altherma HT Flex 11kW indoor unit Power Supply 3~400V</p> <p>Daikin Altherma HT Flex 14kW indoor unit Power Supply 3~400V</p> <p>Daikin Altherma HT Flex 16kW indoor unit Power Supply 3~400V</p>	EKHBRD011ADV17	5 122,-
	EKHBRD014ADV17	5 317,-
	EKHBRD016ADV17	5 480,-
	EKHBRD011ADY17	5 266,-
	EKHBRD014ADY17	5 473,-
	EKHBRD016ADY17	5 666,-

Options & accessories applicable for: 11-16 kW

	Type / Order No.	Price €
Digital I/O PCB Remote alarm / operation status	EKRP1HBA	159,-
Modbus Interface monitoring and control ModBus interface	RTD-W	371,-
Sequencing Controller master/slave control kit that can control and monitor up to 16 hydroboxes, connected through RTD-W	EKCC-W	1 336,-
Demand PCB for connection of room thermostat or backup heater Additional board for external control, on/off device, heating /cooling switch	EKRP1AHT	158,-
Remote user interface can be used as a second user interface (master/slave) besides the one delivered with the indoor unit	EKRUAHTB	237,-
In-line backup heater 1~, 230V, 6 kW Electrical backup heater for space heating support only	EKBUA6V3	701,-
In-line backup heater 3~, 400V, 6 kW Electrical backup heater for space heating support only	EKBUA6W1	701,-
Option kit for standalone tank Kit required when EKHTS tanks are to be placed next to the indoor unit	EKFMAHTB	608,-
Optional billing kit Option kit for billing of tank mounted on indoor unit	EKMbil1	173,-
Domestic hot water connection kit for EKHP300(P)B connection kit for HT in combination with EKHP300(P)B	EKEPHT3H	357,-
Domestic hot water connection kit for EKHP500(P)B connection kit for HT in combination with EKHP500(P)B	EKEPHT5H	471,-

Domestic hot water tanks applicable for: 11-16 kW

	Type / Order No.	Price €
Stainless steel domestic hot water tank 200 l Domestic hot water tank 200 l, Dimensions H x B x T = 1.335 x 600 x 695, height increases to 2010 if mounted on top of indoor unit	EKHTS200AC	1 504,-
Stainless steel domestic hot water tank 260 l Domestic hot water tank 200 l, Dimensions H x B x T = 1.610 x 600 x 695, height increases to 2285 if mounted on top of indoor unit	EKHTS260AC	1 698,-
Pressureless 300 l domestic hot water tank pressureless hygienic domestic hot water tank with solar option	EKHWP300B	1 908,-
Pressureless 500 l domestic hot water tank pressureless hygienic domestic hot water tank with solar option	EKHWP500B	2 360,-
Pressureless 300 l domestic hot water tank pressureless hygienic domestic hot water tank with pressurised solar option	EKHWP300PB	2 005,-
Pressureless 500 l domestic hot water tank pressureless hygienic domestic hot water tank with pressurised solar option	EKHWP500PB	2 479,-

Daikin Altherma R

Flex Type HT HW


- › Low energy bills and low CO₂ emissions
- › Easy installation and maintenance
- › Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit



A

80°C

R-410A

Outdoor Unit				EMRQ	8AB	10AB	12AB	14AB	16AB	
Heating capacity	Nom.			kW	22,4 (1)	28 (1)	33,6 (1)	39,2 (1)	44,8 (1)	
 Seasonal efficiency	Domestic hot water	General Average climate	Declared load profile η _{wh} (water heating efficiency) Water heating energy efficiency class		XL					
					93			83,7	93	
					A					
Casing	Colour				Daikin white					
	Material				Painted galvanized steel plate					
Dimensions	Unit	HeightxWidthxDepth		mm	1.680x1.300x765					
Weight	Unit			kg	331			339		
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35					
Refrigerant	Type				R-410A					
	GWP				2.087,5					
	Charge				kg	10,3	10,6	10,8	11,1	
					TCO ₂ eq	21,5	22,1	22,5	23,2	
Piping connections	Liquid	OD		mm	9,52			12,7		
	Suction	OD		mm	19,1	22,2	28,6			
	High and low pressure gas	OD		mm	15,9	19,1		22,2		
	Piping length	OU - IU	Max.	m	100					
		System	Equivalent	m	120					
	Total piping length	System	Actual	m	300					
	Sound power level	Heating	Nom.		dBA	78			80	83
Sound pressure level	Heating	Nom.		dBA	58			60	62	63
Power supply	Phase/Voltage			V	3~/380-415					
Current	Recommended fuses			A	20	25		40		

(1) Condition: Ta=7°CDB/6°CWB, 100% connection ratio

(2) Contains fluorinated greenhouse gases

Indoor Unit				EKHBRD	011ADV1	014ADV1	016ADV1	011ADY1	014ADY1	016ADY1
Casing	Colour				Metallic grey					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695						
Weight	Unit				144			147		
Operation range	Domestic hot water	Ambient	Min,~Max,	°CDB	-20,0~-35,0					
		Water side	Min,~Max,	°C	25~80					
Refrigerant	Type				R-134a					
	Charge				kg					
					2,60					
					TCO ₂ eq					
	GWP				3,718					
					1430					
Sound pressure level	Nom,	dBA			43,0 / 46,0 / 0,00 / 0,00	45,0 / 46,0 / 0,00 / 0,00	46,0 / 46,0 / 0,00 / 0,00	43,0 / 46,0 / 0,00 / 0,00	45,0 / 46,0 / 0,00 / 0,00	46,0 / 46,0 / 0,00 / 0,00
	Night quiet mode	Level 1		dBA	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0

Daikin Altherma R Flex Type

With the expanded high capacity range, Daikin Altherma R Flex Type offers the ideal solutions for all high demanding systems. Ideal for collective housing, hotels, swimming pools which require high comfort and high reliability.

Why choose a Daikin Altherma R Flex Type?

✓ Strong and reliable

- › Equipped with air-to-water heat pump technology to extract the outdoor air for energy
- › COP possible up to 3,07/A+ at Ta DB/WB 7/6°C - LWC 45°C
- › Reversible, enhanced cooling capacity
- › External control possible



✓ Collective/commercial advantage

- › Cascade heating capacity up to 62,7 kW
- › Cascade cooling up to 63,3 kW
- › VRV technology ensures high efficiencies and reliable working
- › Compact model for easy installation and fit for smaller spaces




Daikin Altherma R Flex Type


Low temperature high capacity
Air-to-water heat pump



Outdoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R Flex Type outdoor units Nominal heating capacity is measured at Ta 7°C with a 100% connection ratio.</p> <p>Daikin Altherma LT Flex 20 kW outdoor unit Power Supply 3~ 400V</p> <p>Daikin Altherma LT Flex 32 kW outdoor unit Power Supply 3~ 400V</p>	SERHQ020BW1	8 018,-
	SERHQ032BW1	11 295,-

Indoor units

	Type / Order No.	Price €
 <p>Daikin Altherma R Flex Type indoor units Floor standing unit for DHW production applications. All basic necessary hydraulic components included.</p> <p>Daikin Altherma LT Flex indoor unit Indoor unit with 20,8 kW (nom) heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma LT Flex indoor unit Indoor unit with 31,2 kW (nom) heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma LT Flex indoor unit Indoor unit with 41,7 kW (nom) heating capacity, power supply 3~ 400V</p> <p>Daikin Altherma LT Flex indoor unit Indoor unit with 62,7 kW (nom) heating capacity, power supply 3~ 400V</p>	SEHVX20BW	5 470,-
	SEHVX32BW	6 112,-
	SEHVX40BW	6 409,-
	SEHVX64BW	6 526,-


Options & accessories applicable for: 11-16 kW

	Type / Order No.	Price €
Demand PCB Used for Remote ON/OFF, cooling/heating, thermo ON/OFF	DTA104A62	470,-
Demand PCB for connection of room thermostat or backup heater required when EKRTWA or EKRTTR is used as a room thermostat or if a backup heater is installed	EKRP1AHT	158,-
Modbus Interface monitoring and control ModBus interface	RTD-W	371,-
Sequencing Controller master/slave control kit that can control and monitor up to 16 hydroboxes, connected through RTD-W	EKCC-W	1 336,-

Daikin Altherma R Flex Type

- › Hydronic module for indoor installation eliminating the need for glycol
- › Ideal for colder climates as the lack of glycol will allow for high efficiency
- › Compact dimensions and limited pipework allow for installation in very restricted spaces
- › Easy transportation as separate units will fit in an elevator



Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21,2 (1)	31,8 (1)	42,3 (1)	63,3 (1)
Heating capacity	Nom.			kW	20,8 (2)	31,2 (2)	41,7 (2)	62,7 (2)
Power input	Cooling	Nom.		kW	7,47 (1)	12,7 (1)	15,1 (1)	25,5 (1)
	Heating	Nom.		kW	6,76 (2)	10,6 (2)	13,7 (2)	21,4 (2)
EER					2,84	2,5	2,8	2,48
COP					3,07	2,93	3,03	2,93
Space heating	Average climate	General	SCOP	%	3,93	3,53	3,80	3,53
	Average climate water outlet 35°C		ns (Seasonal space heating efficiency)		154	138	149	138
			Seasonal space heating eff. class		A++	A+		
Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height		mm	1573			
		Width		mm	766			
		Depth		mm	396			
Weight	Unit			kg	97,0	105	137	153
	Packed unit			kg	109	117	149	165
Water side Heat exchanger	Type				Braze plate			
	Water volume			l	3	5	6	9
	Water flow rate	Cooling	Nom.	l/min	60 (3)	90 (3)	120 (3)	181 (3)
		Heating	Nom.	l/min	60 (2)	90 (2)	120 (2)	181 (2)
Sound power level	Nom.			dB(A)	63		66	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~43			
		Water side	Min.~Max.	°CDB	5 (4)~20			
	Heating	Ambient	Min.~Max.	°CDB	-15~35			
		Water side	Min.~Max.	°CDB	25~50			
Refrigerant	Type / GWP				R-410A / 2.087,5			
	Circuits	Quantity			1		2	
	Control				Electronic expansion valve			
Water circuit	Piping connections diameter			inch	1-1/4" (female)		2" (female)	
	Piping			inch	1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.	kPa	17 (7)	24 (7)	19 (7)	29 (7)
	Total water volume			l	4,2 (8)	5,8 (8)	7,9 (8)	11,0 (8)
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400			
Outdoor Unit					SERHQ020BAW1		SERHQ032BAW1	
Dimensions	Unit	Height		mm	1.680			
		Width		mm	765			
		Depth		mm	930		1.240	
Weight	Unit			kg	240		316	
	Packed unit			kg	273		356	
Compressor	Quantity				2		3	
Fan	Type				Hermetically sealed scroll compressor			
	Type				Axial			
	Quantity				1		2	
	Air flow rate	Cooling	Nom.	m³/min	185		233	
		Heating	Nom.	m³/min	185		233	

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition: Ta 35°C - LWE 7°C (DT = 5°C) (4) Water can be used above 5°C. Between 0°C and 5°C a 30% glycol solution (propylene or ethylene) has to be used. Between 0°C and -10°C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) 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 (e.g. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel

Refrigerant branch kits for outdoor units

	3 pipes		2 pipes	
Outdoor unit capacity type (HP)	imperial	metric	imperial	metric
8 + 10	KHRQ23M29T9	KHRQM23M29T	KHRQ22M29T9	KHRQM22M29T
Price €	152,-	152,-	138,-	138,-
12 ~ 16	KHRQ23M64T	KHRQM23M64T	KHRQ22M64T	KHRQM22M64T
Price €	248,-	248,-	166,-	166,-

Refnet joints for indoor units

	3 pipes		2 pipes	
Indoor unit capacity index	imperial	metric	imperial	metric
< 200	KHRQ23M20T	KHRQM23M20T	KHRQ22M20T	KHRQM22M20T
Price €	132,-	132,-	102,-	102,-
200 ≤ x < 290	KHRQ23M29T9	KHRQM23M29T	KHRQ22M29T9	KHRQM22M29T
Price €	152,-	152,-	138,-	138,-
290 ≤ x < 520	KHRQ23M64T	KHRQM23M64T	KHRQ22M64T	KHRQM22M64T
Price €	248,-	248,-	166,-	166,-

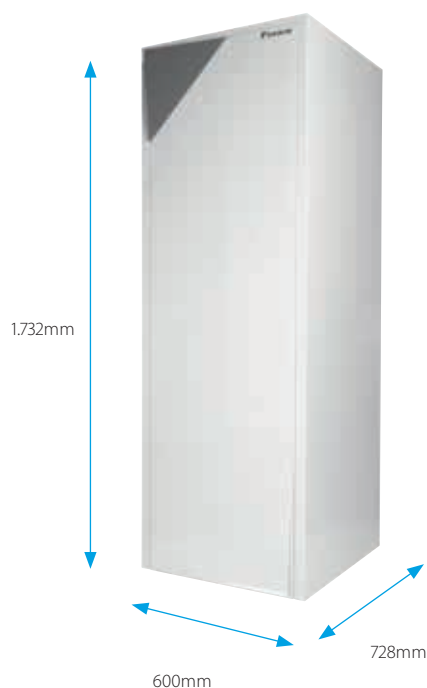
Refnet headers for indoor units

	3 pipes		2 pipes	
Indoor unit capacity index	imperial	metric	imperial	metric
< 200 and 200 ≤ x < 290	KHRQ23M29H	KHRQM23M29H	KHRQ22M29H	KHRQM22M29H
Price €	269,-	269,-	192,-	192,-
290 ≤ x < 520	KHRQ23M64H	KHRQM23M64H	KHRQ22M64H	KHRQM22M64H
Price €	327,-	327,-	238,-	238,-



Why choose a Daikin Altherma GEO ground source heat pump

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



Comfort

Simple solution for installers

Quick and easy installation

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

Compact design

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

✓ Energy efficiency A⁺⁺

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

Equipped with our signature inverter technology

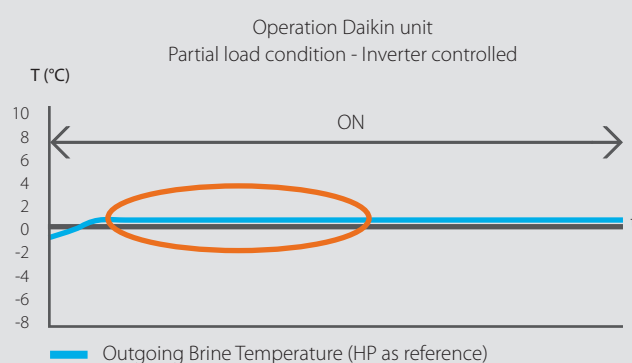
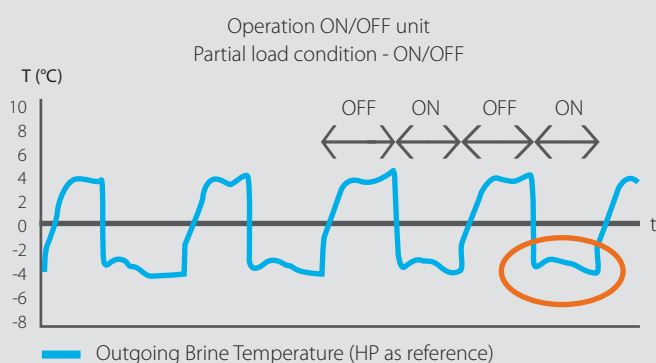
Our Daikin inverter efficiently controls the unit's motor speed and reduces energy consumption by up to 30%. Rather than expending additional energy by starting and stopping, the inverter adjusts the speed of the motor so that it runs continuously and more efficiently in the long run.

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

Case study

Typical application:

- Location: Sweden
- Design temperature: -17°C
- Heat load: 13kW
- Heating off temperature: 16°C



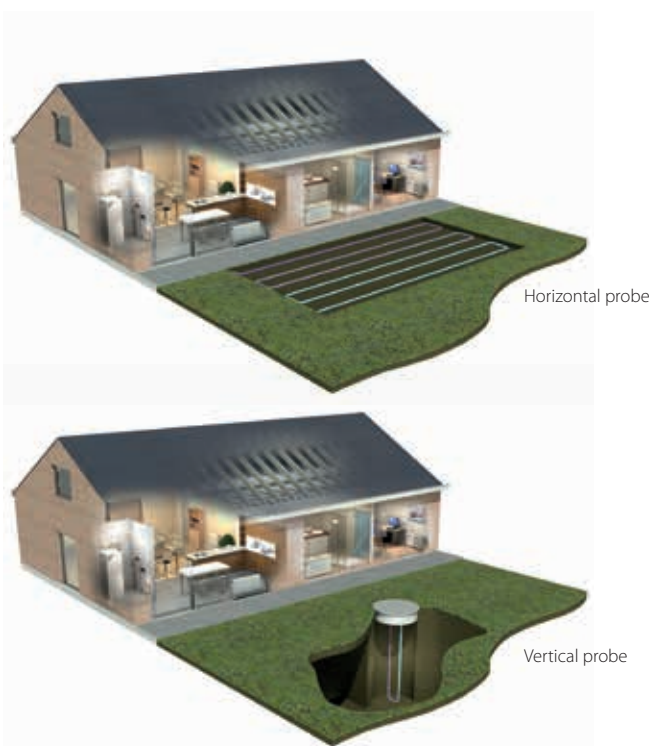
✓ Reliability

For new homes and large-scale renovations

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

Reliable climate control

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



Case study

Typical Nordic climate application with standard heat load:

- Location: Sweden
- Design temperature: -17°C
- Heat load: 12 kW

1 Full load operation with additional electric assistance (if required)

The heat load is higher than the maximum heating capacity

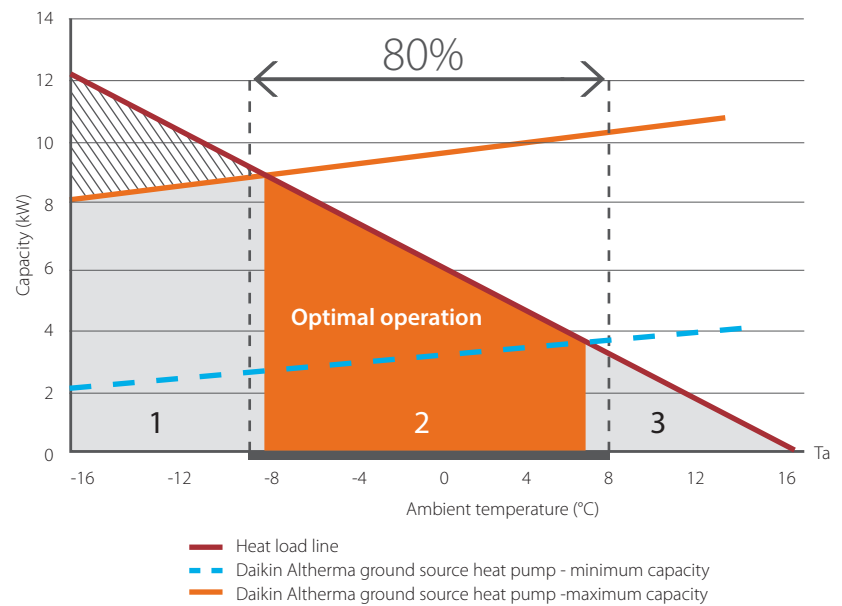
2 Partial load operation

The heat load is lower than the maximum heating capacity and higher than the minimum heating capacity

This is the optimal operation zone

3 On/Off operation

The heat load is below the minimum heating capacity and the unit will go into on/off mode to deliver the required capacity



In a Nordic climate, around 80% of the required heat output must be delivered in an ambient temperature range between -9°C and 8°C (indicated by the orange zone on the graph). To deliver a high seasonal Coefficient of Performance (COP), it is crucial to have high operating efficiencies for this ambient temperature range because a majority of the required heat must be delivered within this range.

The Daikin Altherma ground source heat pump almost completely covers the relevant ambient temperature range during partial load operation, which is the optimal operational zone of the unit. This is a major benefit when compared to traditional on/off compressors.



Daikin Altherma GEO

Ground source heat pump,
up to 60°C flow





Plug & Play Inverter ground source with integrated 180 litre stainless steel domestic hot water tank. Hydraulically equipped with high-efficiency pump, safety module safety valve, flow monitor, expansion vessel, water filter and pressure gauge for space heating and brine circuit. Electrical equipment with load contactors for integrated 9 kW auxiliary electrical heater and circulating pump.











Type	Type / Order No.	Price €
EGSQH10S18A9W	EGSQH10S18A9W	9 334,-

Dimensions (W x D x H) 600 x 728 x 1.732 mm.
ground source HP 10 kW 3~400V

Mandatory Accessories

	Type / Order No.	Price €
	Remote user interface Used as a remote controller or a room thermostat for Altherma LT units Languages: German, French, Italian, Dutch Languages: English, Turkish, Polish, Romanian Languages: German, Czech, Slovenian, Slovak Languages: English, Croatian, Hungarian, Bulgarian Languages: English, German, Russian, Danish	
	EKRUCBL1	150,-
	EKRUCBL4	150,-
	EKRUCBL5	150,-
	EKRUCBL6	150,-
	EKRUCBL7	150,-
	K.FERNOTTF1	212,-

Accessories

	Type / Order No.	Price €
	EKRUCB5	150,-
	BRP069A62 BRP069A61	122,- 189,-
	EKRTWA	152,-
	EKRTR	299,-
	EKRTETS	17,-
	KRCS01-1	84,-
	EKRSC1	96,-
	EKRPIHBA	159,-
	EKRPIAHT	158,-
	EKPCCAB3	317,-

Daikin Altherma GEO

Ground source heat pump for heating & hot water

- › Ground source heat pump technology uses stable geothermal energy, unaffected by the outside temperature
- › Highest seasonal efficiency thanks to our inverter heat pump technology
- › Quick and easy installation thanks to factory-fitted piping on top of the unit and reduced overall weight
- › Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- › User interface with thermostat function for higher comfort, quick commissioning, easy servicing and energy management to control energy consumption and costs



011-1W0067



Indoor Unit				EGSQH	10S18A9W
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	144
			Seasonal space heating eff. class		A++
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	202
			Seasonal space heating eff. class		A++
Domestic hot water	General	Declared load profile			L
	Average climate	ηwh (water heating efficiency)	%		93,1
		Water heating energy efficiency class			A
Heating capacity	Min.		kW		3,11 (1) / 2,47 (2)
	Nom.		kW		10,2 (1) / 9,29 (2)
	Max.		kW		13,0 (1) / 11,9 (2)
Power input	Nom.		kW		2,34 (1) / 2,82 (2)
COP					4,35 (1) / 3,29 (2)
Casing	Colour				White
	Material				Precoated sheet metal
Dimensions	Unit	Height/Width/Depth	mm		1732/600/728
Weight	Unit		kg		210
Tank	Water volume		l		180
	Insulation	Heat loss	kWh/24h		1,36
	Corrosion protection				Anode
Operation range	Domestic hot water	Water side			-
Refrigerant	Type				R-410A
	GWP				2.087,5
	Charge		TCO ₂ eq		3,76
			kg		1,80
	Control				Electronic expansion valve
Sound power level	Nom.		dBA		46,0
Sound pressure level	Nom.		dBA		32,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	9W/3~/50/400
Current	Recommended fuses			A	25

(1) EWB/LWB 0°C/-3°C - LWC 35°C (DT=5°C) (2) EWB/LWB 0°C/-3°C - LWC 45°C (DT=5°C) (3) Contains fluorinated greenhouse gases



Daikin Altherma R Hybrid



Why choose a Daikin Altherma hybrid heat pump

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

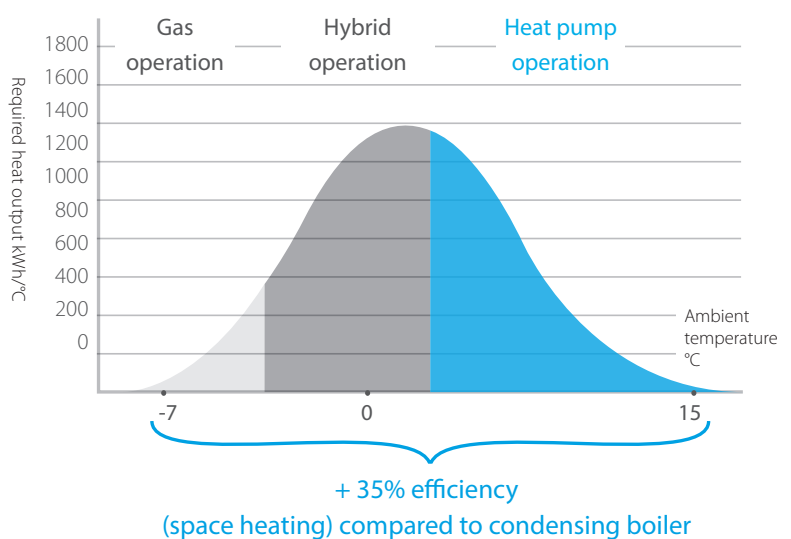
✓ Comfort

Heating

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

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

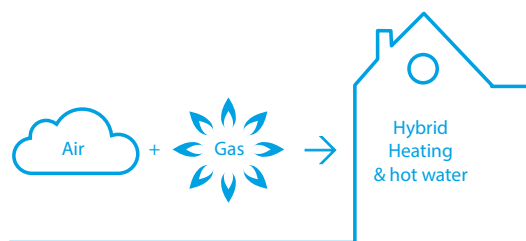
Illustration of an average European climate



- › Heat load: 14 kW
- › 70% heat pump output
- › 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time

Required heat output = heat load x n° of occurring hours per year



Heat pump outdoor unit



Heat pump indoor unit

Hot water

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

Cooling

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

Quick and easy installation

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

Investment benefits

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



Energy efficiency

The ideal combination

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

Supported by renewable energy

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

Hot water produced with gas condensing technology

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

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



Reliability

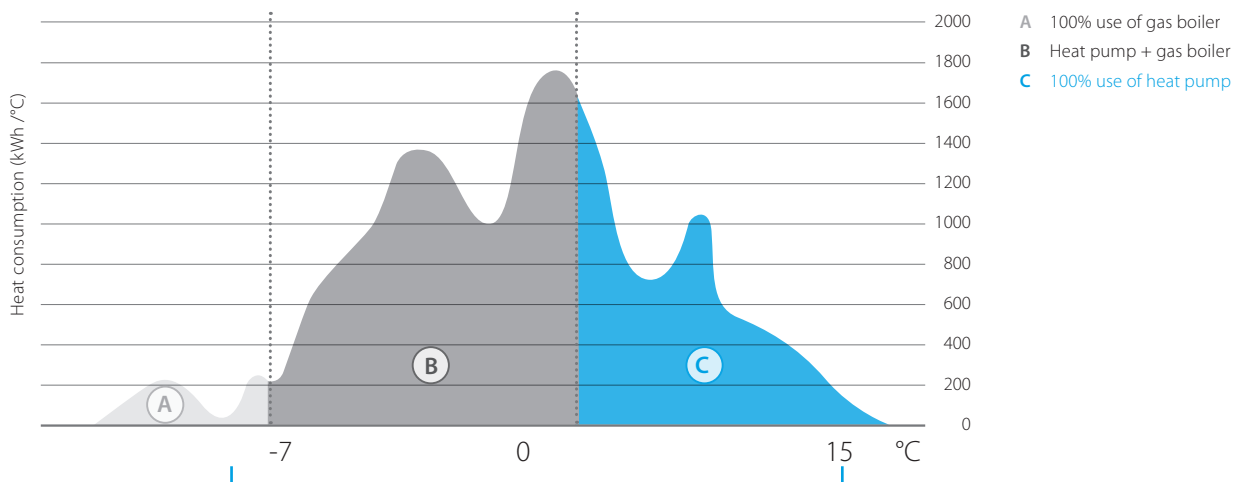
- › Low investment cost with no need to replace existing piping and radiators
- › Low running costs for heating and domestic hot water
- › Compact dimensions
- › Ideal for renovation applications
- › Easy and fast installation



Case study

Replacing a gas boiler with a Daikin Altherma R Hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin Altherma R Hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
Space heating			
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1.220 €	1.520 €	1.820 €
DHW HEATING			
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65 %
Running costs*	230 €	260 €	320 €
TOTAL			
Running costs	1.450 €	1.780 €	2.140 €

Conditions

Heat load	16 kW
Design temperature	-8°C
Space heating off temperature	16°C
Maximum water temperature	60°C
Minimum water temperature	38°C
Gas price	0,070 €/kWh
Electricity price (day)	0,237 €/kWh
Electricity price (night)	0,152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

* for combi-boiler, no separate domestic hot water tank

➔ **Yearly savings:**
for space heating and domestic hot water

-19% versus new gas condensing boiler

330 €/year

-32% versus existing gas condensing boiler

690 €/year

Daikin Altherma R Hybrid

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

- › Heating only + heating and cooling models
- › Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma R Hybrid heat pump 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 32kW
- › Easy and fast installation thanks to the compact dimensions and quick interconnections



Efficiency data				EHYHBH05AV32 + EVLQ05CV3	EHYHBH08AV32 + EVLQ08CV3	EHYHBX08AV3 + EVLQ08CV3
	Space heating	Average climate water outlet 55°C	General	SCOP η _{sp} (Seasonal space heating efficiency) Seasonal space heating eff. class	3,28 128	3,24 127
					A++	
	Domestic hot water heating	Average climate	General	Declared load profile η _{wh} (water heating efficiency) Water heating energy efficiency class	XL 95,8 A	
	Heating capacity	Nom.		kW	4,40(1) / 4,03(2)	7,40(1) / 6,89(2)
	Cooling capacity	Nom.		kW	-	6,86(1) / 5,36(2)
	Power input	Heating	Nom.	kW	0,870(1) / 1,13(2)	1,66(1) / 2,01(2)
		Cooling	Nom.	kW	-	2,01(1) / 2,34(2)
	COP				5,04(1) / 3,58(2)	4,45(1) / 3,42(2)
	EER				-	4,45(1) / 3,42(2)

Indoor unit (Hydrobox & Boiler)					EHYHBH05AV32		EHYHBH08AV32		EHYHBX08AV3		EHYKOMB33AA2		EHYKOMB33AA3			
Central heating	Heat input Qn (net calorific value)		Min/Max		kW		-						6,2 / 7,6 / 7,6 / 22,1 / 27,0 / 27,0			
	Output Pn at 80/60°C		Min/Nom		kW		-						6,7 / 8,2 / 8,2 / 21,8 / 26,6 / 26,6			
	Efficiency		Net calorific value		%		-						98 / 107			
	Operation range		Min/Max		°C		-						15 / 80			
Domestic hot water	Output		Min/Nom		kW		-						7,6/32,7			
	Water flow		Rate		Nom		l/min		-						9,0 / 15,0	
	Operation range		Min/Max		°C		-						40/65			
Gas	Connection		Diameter		mm		-						15			
	Consumption (G20)		Min/Max		m³/h		-						0,78/3,39			
	Consumption (G25)		Min/Max		m³/h		-						0,90/3,93			
	Consumption (G31)		Min/Max		m³/h		-						0,30/1,29			
Supply air	Connection				mm		-						100			
	Concentric						-						1			
Flue gas	Connection				mm		-						60			
Casing	Colour						White						White - RAL9010			
	Material						Precoated sheet metal						Precoated sheet metal			
Dimensions	Unit	H xWxD	Casing	mm		902x450x164						710x450x240				
Weight	Unit	Empty		kg		30,0				31,2		36				
Power supply	Phase/Frequency/Voltage				Hz/V				-				1~/50/230			
Electrical power consumption	Max.				W		-						55			
	Standby				W		-						2			
Operation range	Heating	Ambient	Min.~Max.		°C		-25 ~25						-			
		Water side	Min.~Max.		°C		25 ~55						-			
	Cooling	Ambient	Min.~Max.		°CDB		~~~				10 ~43		-			
		Water side	Min.~Max.		°C		~~~				5 ~22		-			

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit		kg	54	56
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CWB	-25~25	
Refrigerant	Type			R-410A	
	GWP			2.088	
	Charge		kg	1,5	1,6
	Charge		TCO ₂ Eq	3,0	3,3
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequency/Voltage			V3/1~50/230	
Current	Recommended fuses			16	20


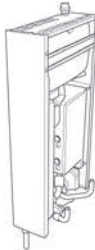

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) (3) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (4) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma R Hybrid



Hybrid heat pump, up to 80 °C flow





Indoor unit and gas condensing unit

	Type / Order No.	Price €	
	Daikin Altherma R Hybrid indoor unit for outdoor unit 5-8 kW. (Heating) Heat pump indoor unit heating for combination with Daikin Altherma R Hybrid gas condensing unit. Hydraulically equipped with high-efficiency pump, diaphragm expansion vessel, safety module with safety valve, flow monitor, dirt trap. Dimensions (WxDxH*) 450 x 164 x 902 mm. * Total height with automatic air bleeder and connecting lines: 1.075 mm User Interface is not included, EKRUCBL* is mandatory for system operation. Please order it additionally according to your needed languages. Please order the cover plate accessory optional.		
	Hybrid 5 kW heat pump indoor unit (heating) 1~230 V Hybrid 8 kW heat pump indoor unit (heating) 1~230 V	EHYHBH05AV32 EHYHBH08AV32	1266,- 1298,-
	Daikin Altherma R Hybrid indoor unit for outdoor unit 5-8 kW. (Heating/Cooling) Heat pump indoor unit heating/cooling for combination with Daikin Altherma R Hybrid gas condensing unit. Hydraulically equipped with high-efficiency pump, diaphragm expansion vessel, safety module with safety valve, flow monitor, dirt trap, condensate pan and supplementary user interface EKRUCBL. Dimensions (WxDxH*) 450 x 164 x 902 mm. * Total height with automatic air bleeder and connecting lines: 1.075 mm User Interface is not included, EKRUCBL* is mandatory for system operation. Please order it additionally according to your needed languages. Please order drain pan kit for indoor units additionally and the cover plate accessory optional.		
	Hybrid 8 kW heat pump indoor unit (Heating/Cooling) 1~230 V	EHYHBX08AV3	1496,-
	Daikin Altherma R Hybrid gas condensing unit 32 kW Gas combi condensing boiler with a special 2-in-1 heat exchanger for heating and domestic hot water in hygienic continuous flow principle, for natural gas and LPG*, incl. cover, plumbing connections. Dimensions without cover (BxTxH) 450 x 240 x 710 mm *For LPG conversion kit EKH075787 necessary		
	Hybrid Gas condensing unit 8,2 - 26,6 kW (80 / 60 °C)	EHYKOMB33AA3	2134,-




Outdoor unit and accessories

		Type / Order No.	Price €
	Daikin Altherma R Hybrid outdoor unit 5-8 kW (heating and cooling) Inverter split heat pump outdoor unit as an inverter-controlled compressor / evaporator unit with extended modulation range. Located in a weatherproof galvanized sheet steel casing, primed, resin and powder coated. Integrated outdoor temperature sensor. Application range: Heating to -25 °C external temperature. Dimensions (W x D x H) 825 x 300 x 735 mm.		
	Daikin Altherma R Hybrid 5 kW outdoor unit 1~230V	EVLQ05CV3	1718,-
	Daikin Altherma R Hybrid 8 kW outdoor unit 1~230V	EVLQ08CV3	2 233,-
	Low sound cover for outdoor unit 4 – 8 kW (ERGA-D/ERLQ-C) Dimensions (WxHxD): 1.190x970x714 mm Sound reduction -3 dB(A)	EKLN08A1	1715,-
	Outdoor unit drain pan (4-8 kW units) Used to capture condensate dripping from the outdoor unit.	EKDP008C	183,-
	Outdoor unit drain pan heater kit (4-8 kW units) Drain pan heater kit used to keep the drain pan from freezing.	EKDPH008C	278,-
	Outdoor unit mounting feet (4-8 kW units) U-beams used to raise the outdoor unit from the mounting surface.	EKFT008CA	152,-

Mandatory Accessories

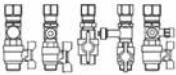


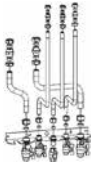


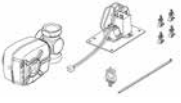




	Type / Order No.	Price €
 <p>Remote user interface Used as a remote controller or a room thermostat for Altherma LT units Languages: German, French, Italian, Dutch Languages: English, Turkish, Polish, Romanian Languages: German, Czech, Slovenian, Slovak Languages: English, Croatian, Hungarian, Bulgarian Languages: English, German, Russian, Danish</p>	EKRUCBL1	150,-
	EKRUCBL4	150,-
	EKRUCBL5	150,-
	EKRUCBL6	150,-
	EKRUCBL7	150,-
 <p>Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipework. Includes valves and fittings</p>	K.FERNOXTF1	212,-

Accessories

	Type / Order No.	Price €
 <p>LAN Adapter Enables remote control of Altherma units using Daikin Online Control application. Basic version: Remote control Advanced version: Remote control + PV solar connection</p>	BRP069A62	122,-
	BRP069A61	189,-
 <p>Simplified user interface Can only be used in combination with the main user interface</p>	EKRUCBS	150,-
 <p>Optional wired room thermostat Used for external room thermostat control Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions</p> <p>Optional wireless room thermostat Used for external room thermostat control where wiring is not possible. Setpoint limitation, H/C mode, Comf/Eco programs, Scheduled/Holiday functions</p> <p>Screed temperature sensor Used to protect screed temperature from dropping too low (use only with EKRTTR).</p>	EKRTWA	152,-
	EKRTR	299,-
	EKRTETS	17,-

Daikin Altherma R Hybrid

Accessories

		Type / Order No.	Price €
	Valve kit Valves for space heating, domestic hot water an gas connection	EKVK1A	164,-
	Drain pan kit for indoor unit Collect and drain condensate during cooling operation	EKHYDP	156,-
	Cover plate Cover plate for concealing the pipe connections underneath Daikin Altherma R Hybrid	EKHY093467	29,-
	Hydraulic mounting kit Complete hydraulic mounting kit for Daikin Altherma R Hybrid	EKHYMNT1A	295,-
	E-Pac HT hot water switching kit Hot water switching kit for connecting hygienic storage tank (300 l, 500 l) to Daikin Altherma R Hybrid Includes 3-way valve with actuator, storage tank sensor, sensor adapter and cable.		
	For 300 l and 500 l tank (heating and cooling)	EKEPHT3H	357,-
	Hot water tank connection kit Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART	213,-
	Hot water tank connection kit Valve kit for connection to 3rd party tank with built in thermostat	EKHY3PART2	223,-
	3-way switch valve 1" male 3-way switch valve 1" male thread with motor drive 240 V, switching time 6 sec. including connection cable 2 m.	3-W SV 156034	137,-
	LPG conversion kit	EKHY075787	14,-
	Double-walled test adapter, reducing DN 60/100 to DN 80/125 Alternative to 15 50 79.01 44 When using Set GW 1 or Set GW 2 a double-walled reduction piece from DN 80 / 125 to DN 60 / 100, Sleeve DN 80 / 125 is included.	EKHY090717	26,-
	Heat meter (EHYHBH* only)	K.HEATMET	on request
	Heat pump convactor (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms.		
	Heat pump convactor 1,5 kW (heating)	FWXV15A	762,-
	Heat pump convactor 2,0 kW (heating)	FWXV20A	819,-
	2-way valve kit for heat pump convactor Required if heat pump convactor is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-

For Daikin flue gas system go to page 150

Possible combinations



Hybrid	operating mode	Combination	Type / Order No.
5 kW	Heating	Outdoor unit	EVLQ05CV3
		Heat pump indoor unit	EHYHBH05AV32
		Gas condensing unit (Please note country compliance)	EHYKOMB33AA3
8 kW	Heating	Outdoor unit	EVLQ08CV3
		Heat pump indoor unit	EHYHBH08AV32
		Gas condensing unit (Please note country compliance)	EHYKOMB33AA3
8 kW	Heating/ Cooling	Outdoor unit	EVLQ08CV3
		Heat pump indoor unit	EHYHBX08AV3
		Gas condensing unit (Please note country compliance)	EHYKOMB33AA3

Daikin Altherma R Hybrid

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

- › Heating only + heating and cooling models
- › Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump 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 32kW
- › Easy and fast installation thanks to the compact dimensions and quick interconnections



Efficiency data					EHYHBH05AV32 + EVLQ05CV3		EHYHBH08AV32 + EVLQ08CV3		EHYHBX08AV3 + EVLQ08CV3						
 Space heating	Average climate water outlet 55°C	General	SCOP	%	3,28 128		3,24 127		3,29 129						
			η _{sp} (Seasonal space heating efficiency)												
			Seasonal space heating eff. class		A++										
 Domestic hot water heating	General	Declared load profile			XL										
	Average climate		η _{wh} (water heating efficiency)	%	95,8										
			Water heating energy efficiency class		A										
Heating capacity	Nom.			kW	4,40(1) / 4,03(2)		7,40(1) / 6,89(2)		7,40(1) / 6,89(2)						
Cooling capacity	Nom.			kW	-		-		6,86(1) / 5,36(2)						
Power input	Heating	Nom.		kW	0,870(1) / 1,13(2)		1,66(1) / 2,01(2)		1,66(1) / 2,01(2)						
	Cooling	Nom.		kW	-		-		2,01(1) / 2,34(2)						
COP					5,04(1) / 3,58(2)		4,45(1) / 3,42(2)		4,45(1) / 3,42(2)						
EER					-		-		3,42(1) / 2,29(2)						
Indoor unit (Hydrobox & Boiler)					EHYHBH05AV32		EHYHBH08AV32		EHYHBX08AV3		EHYKOMB33AA2		EHYKOMB33AA3*		
Central heating	Heat input Q _h (net calorific value)	Nom	Min/Max	kW	-						6,2 / 7,6 / 7,6 / 22,1 / 27,0 / 27,0				
	Output P _h at 80/60°C	Min/Nom		kW	-						6,7 / 8,2 / 8,2 / 21,8 / 26,6 / 26,6				
	Efficiency	Net calorific value			%	-						98 / 107			
	Operation range	Min/Max		°C	-						15 / 80				
Domestic hot water	Output	Min/Nom		kW	-						7,6/32,7				
	Water flow Rate	Nom		l/min	-						9,0 / 15,0				
	Operation range	Min/Max		°C	-						40/65				
Gas	Connection	Diameter		mm	-						15				
	Consumption (G20)	Min/Max		m³/h	-						0,78/3,39				
	Consumption (G25)	Min/Max		m³/h	-						0,90/3,93				
	Consumption (G31)	Min/Max		m³/h	-						0,30/1,29				
Supply air	Connection			mm	-						100				
	Concentric				-						1				
Flue gas	Connection			mm	-						60				
Casing	Colour				White						White - RAL9010				
	Material				Precoated sheet metal						Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	902x450x164						710x450x240				
Weight	Unit	Empty		kg	30,0		31,2				36				
Power supply	Phase/Frequency/Voltage			Hz/V	-						1~/50/230				
Electrical power consumption	Max.			W	-						55				
	Standby			W	-						2				
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25						-				
		Water side	Min.~Max.	°C	25 ~55						-				
	Cooling	Ambient	Min.~Max.	°CDB	~~~		10 ~43				-				
		Water side	Min.~Max.	°C	~~~		5 ~22				-				
Outdoor unit					EVLQ05CV3				EVLQ08CV3						
Dimensions	Unit	HeightxWidthxDepth		mm					735x832x307						
Weight	Unit			kg	54				56						
Compressor	Quantity				1										
	Type				Hermetically sealed swing compressor										
Operation range	Heating	Min.~Max.	°CWB					-25~-25							
								R-410A							
Refrigerant	Type								2.088						
	GWP														
	Charge		kg	1,5				1,6							
	Charge		TCO ₂ Eq	3,0				3,3							
	GWP								2.088						
Sound power level	Heating	Nom.		dBA	61				62						
Sound pressure level	Heating	Nom.		dBA	48				49						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230										
Current	Recommended fuses			A	16				20						

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) (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) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

For water circuit central heating, safety valve: refer to EHYHB*

Daikin Altherma R Hybrid heat pump + multi



The Daikin Altherma R 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 R Hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

→ Multi features

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

Control with Daikin Online Controller app



BLUEvolution

	Wall mounted																Concealed ceiling								Floor standing			Round flow cassette			Fully flat cassette			Ceiling suspended			Concealed floor standing			Hybrid heat pump						
	CTXA-AW/S/T	FTXA-AW/S/T					FTXJ-MW/S				CTXMH	FTXM-N						FDXM-F9				FDBQ-B	FBA-A9		FVXM-F			FCAG-A			FFA-A9			FHA-A9			FNA-A9			CHYHBH-AV32						
Connectable indoor units	15	20	25	35	42	50	20	25	35	50	15	20	25	35	42	50	60	71	25	35	50	60	25	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08	
3MXM52N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Efficiency data				CHYHBH05AV32 /3MXM52N	CHYHBH05AV32 /3MXM68N	CHYHBH05AV32 /4MXM68N	CHYHBH05AV32 /4MXM80N	CHYHBH08AV32 /4MXM80N	CHYHBH05AV32 /5MXM90N	CHYHBH08AV32 /5MXM590N
Heating capacity	Nom.		kW	4,41 (1)	4,50 (1)			6,78 (1)	4,50 (1)	6,78 (1)
COP				4,49 (1)	3,91 (1)		4,04 (1)	4,17 (1)	4,04 (1)	4,17 (1)
Pump				51,80 (1)						
Seasonal efficiency	Domestic hot water heating	General Average climate	Declared load profile	η _{wh} (water heating efficiency)	%	XL				
						96				
Water heating energy efficiency class				A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)				CHYHBH05AV32	CHYHBH08AV32
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	902x450x164	
Weight	Unit		kg	30,0	
Operation range	Heating	Ambient	Min.~Max.	-15 ~24	
		Water side	Min.~Max.	25 ~50	

Indoor unit (Boiler)				EHYKOMB33AA2/AA3	
Central heating	Heat input Q _n Nom	Min/Max	kW	6,2 / 7,6 / 7,6 / 22,1 / 27,0 / 27,0	
	(net calorific value)				
	Output P _n at	Min/Nom	kW	6,7 / 8,2 / 8,2 / 21,8 / 26,6 / 26,6	
	80/60°C				
Domestic hot water	Efficiency	Net calorific value	%	98 / 107	
	Operation range	Min/Max	°C	15 / 80	
	Output	Min/Nom	kW	7,6/32,7	
	Water flow	Rate	l/min	9,0 / 15,0	
Gas	Operation range	Min/Max	°C	40/65	
	Connection	Diameter	mm	15	
	Consumption	Min/Max	m ³ /h	0,78/3,39	
	(G20)				
	Consumption	Min/Max	m ³ /h	0,90/3,93	
	(G25)				
	Consumption	Min/Max	m ³ /h	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	HeightxWidthxDepth	mm	710x450x240	
Weight	Unit	Empty	kg	36	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	
Electrical power consumption	Max.		W	55	
	Standby		W	2	

Outdoor unit					3MXM52N	3MXM68N	4MXM68N	4MXM80N	5MXM90N
Dimensions	Unit	HeightxWidthxDepth		mm	734x958x340				
Weight	Unit			kg	57	62	63	67	68
Sound power level	Cooling			dBA	59	61	61		64
	Heating			dBA	59	61	61		64
Sound pressure level	Cooling	Nom.		dBA	46	48	48	49	52
	Heating	Nom.		dBA	47	48	48	49	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~18				
Refrigerant	Type				R-32				
	GWP				675				
	Charge			kg/TCO ₂ Eq	1,80/1,2	2,00/1,4	2,00/1,4	2,40/1,6	
Piping connections	Liquid	OD			6,35				
	Gas	OD			9,5				
	Piping length	OU - IU	Max.	m	25				
	Additional refrigerant charge				kg/m				
	Level difference IU - OU				m				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A	30				



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. Both the Daikin Altherma 3 C Gas and Daikin Altherma C Gas ECH₂O 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.

✓ Energy efficiency

Condensing technology

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

Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m³ natural gas, 1,7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

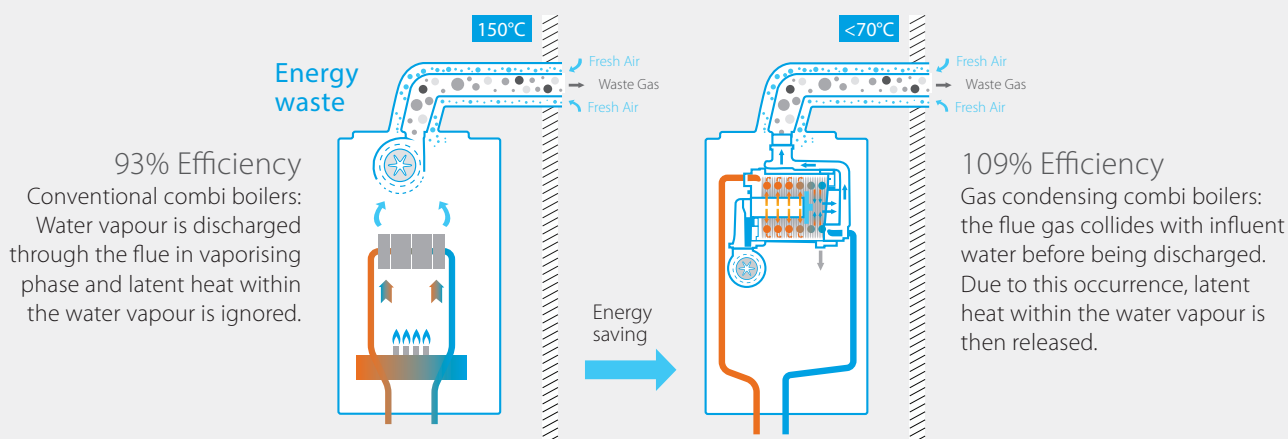
Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.



✓ Reliability

Easy installation and service

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



Daikin Altherma 3 C Gas

Supremely compact and controllable via app

Why choose the Daikin Altherma 3 C Gas condensing boiler

Low weight

27 kg

Most compact

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

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

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)

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW

Daikin eye

Monitor the operating status of your combi boiler with the Daikin Eye

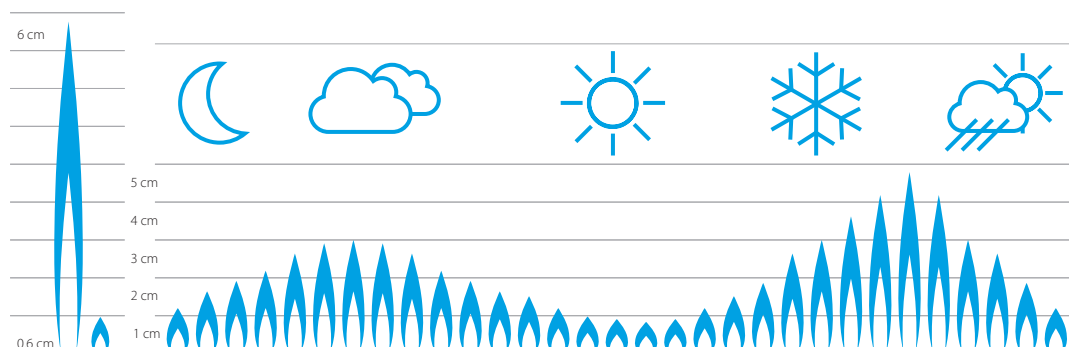
Unique interface

- › 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

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

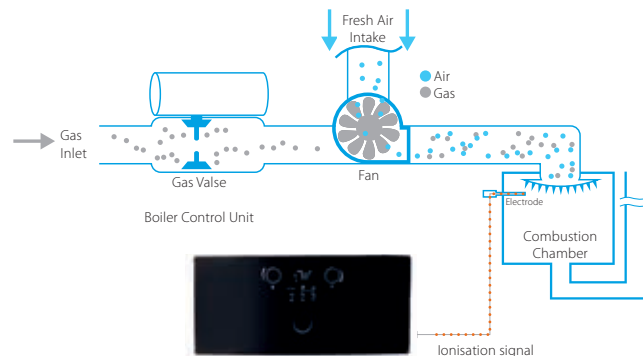
that may occur during ignition. Modulation is also automatically provided by the electronic control.





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).



Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye



Blue:

When the Daikin Eye indicates a blue colour, it means the boiler 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 boiler is out of commission and requires a maintenance check.

Product features

Flue Adapter 60/100

- › Factory mounted
- › Compatible with top adapters/elbows of different flue gas manufacturers
- › With measurement wholes 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

Small gas condensing combi boiler

The smallest Combi boiler

(12-18-24 kW)



reddot award 2018
winner



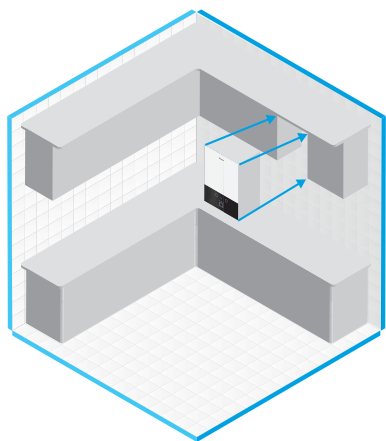
Lightweight Combi boiler

(28-35 kW)



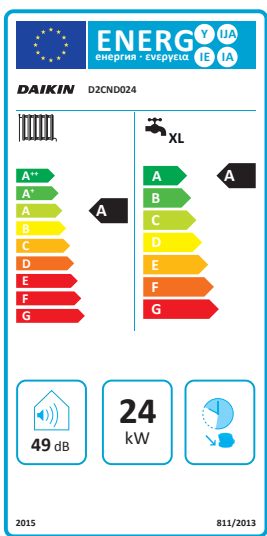
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



High energy class

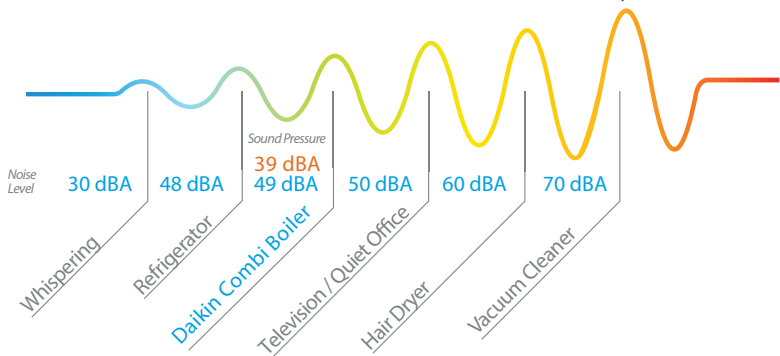
Energy Class A adheres to European ERP Standards



Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to heating a dishwasher operating in an adjacent room.

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.



Best for your home with compact dimensions



Capacity

T-Model: 12-18-24-28-35 kW
C-Model: 24-28-35 kW



Modulation

The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.



Full condensation

Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.



Comfort mode

The DK combi boiler is designed to provide optimal comfort levels.



Electrical Protection

Safe combi boiler with a protection class of IP5D.



Efficiency

Achieves up to 109% efficiency with full condensation.



Frequency controlled pump

The frequency control monitors power consumption to boost efficiency and save energy.



Quiet

Delivers a very low sound level that reflects the new EU standards.



Thermo regulation

The device runs the system based on data obtained from the outside temperature sensor and room thermostat.



Compact size

Measuring only 0.06 m³, this slim, state-of-the-art design combines power with aesthetics.



High energy class

Efficiency class according to EU Ecodesign Lot1. (A)



Lambda Gx system

Superior combustion technology delivers unparalleled efficiency and energy savings.



Premix combustion

Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.



Lcd display

Eye-catching and user-friendly design.



Double heat exchanger

The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.



Easy maintenance













Details in design allows for easy maintenance.



Online controller via app

Control your indoor unit from any location via app (optional WLAN adapter)

Accessories

		Type / Order No.	Price €
	Flue-gas connector elbow PP 60/100 +MP (0 mm)	DRMEEA60100BA	61,-
	Flue-gas twin box adapter 80/80 + MP (0 mm)	DRDECOP8080BA	141,-
	Flue-gas vertical connector 60/100 - 80/125 + MP (0 mm)	DRDECO80125BA	121,-
	Cover plate For 12-18-24 kW models For 28-35 kW models	DRCOVERPLATAA DRCOVERPLA2AA	35,- 48,-
	Freeze protection set for outdoor installations The kit consists of a heating cable and a thermostat	DRANTIFREEZAA	51,-
	Valve kit C1 - 90° valves Valve kit without filling loop For combi boiler with internal filling loop	DRVALVEKIC1AA	on request
	Valve kit C2 - 90° valves Valve kit with filling loop and thermal shut-off gas valve For combi boilers without internal filling loop	DRVALVEKIC2AA	123,-
	Valve kit T1 - 90° valves Valve kit with draincock for filling For tank model boilers	DRVALVEKIT1AA	122,-
	Valve kit T2 - 90° valves Valve kit with draincock for filling and thermal shut-off gas valve For tank model boilers	DRVALVEKIT2AA	on request
	Pump group with mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature display	MK 156075	910,-
	Pump group without mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWM controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	PK 156077	647,-
	Fittings kit for mixer group MK1/MK2 1" female thread x 1 1 / 2 " flat-sealing	156053	26,-
	Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipe work. Includes valves and fittings.	K.FERNOXTF1	212,-

Daikin Altherma 3 C Gas

Supremely compact gas condensing boiler

- › Very compact 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 removing only the front panel
- › High heating efficiency up to 108%
- › High modulating range 1:8 : the capacity is adapted based on the required heat load 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: The tank model means that the boiler does not have an additional 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	2,9/11,2	2,9/17,0	2,9/23,5	4,8/27	4,8/34	2,9/23,5	4,8/27	4,8/34
	Heat input Q _n (gross calorific value)	Nom	Min/Max	kW	3,2/12,4	3,2/18,9	3,2/26,1	5,3/30	5,3/37,8	3,2/26,1	5,3/30	5,3/37,8
	Output P _n at 80/60°C	Min/Nom		kW	2,8/10,9	2,8/16,6	2,8/22,8	4,6/26,3	4,6/33,2	2,8/22,8	4,6/26,3	4,6/33,2
	Output P _{nc} at 50/30°C	Min/Nom		kW	3,1/12,0	3,1/18,0	3,1/24,0	5,2/28,2	5,2/35	3,1/24,0	5,2/28,2	5,2/35
	Water pressure (PMS)	Max		bar	3							
	Water temperature	Max		°C	100							
	Efficiency	Net calorific value		%	98,6	98,2	97,9	98,2	97,9	97,9	-	-
	Operation range	Min/Max		°C	30/80							
	Piping connections				19 (3/4") male							
Domestic hot water	Heat input (net calorific value) Q _{nw}	Nom	Min/Max	kW	2,9/11,2	2,9/17,0	2,9/23,5	4,8/29,5	4,8/34	2,9/23,5	4,8/29,5	4,8/34
	Heat input (gross calorific value) Q _{nw}	Nom	Min/Max	kW	3,2/12,4	3,2/18,1	3,2/26,1	5,3/32,7	5,3/37,7	3,2/26,1	5,3/32,7	5,3/37,7
	Domestic hot water threshold			l/min	-							
	Temperature	Factory setting		°C	50							
	Operation range	Min/Max		°C	35/60							
	Piping connections				19 (3/4") male							
Connection diameter for heat flow and return				mm	12,7 (1/2") male							
Gas	Connection diameter			mm	19 (3/4") male							
	Gas connection diameter			mm	19 (3/4") male							
	Consumption (G20)	Min/Max		m ³ /h	0,31/1,18	0,31/1,80	0,31/2,48	0,51/2,89	0,51/3,63	0,31/2,48	0,51/2,89	0,51/3,63
	Consumption (G25)	Min/Max		m ³ /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		m ³ /h	0,12/0,46	0,12/0,69	0,12/0,96	0,2/1,1	0,2/1,38	0,12/0,96	0,2/1,1	0,2/1,38
Supply air	Connection			mm	100							
	Concentric				Yes							
Flue gas	Connection			mm	60							
Space heating	General	η _s (Seasonal space heating efficiency)		%	93							
		Seasonal space heating eff. class			A							
Domestic hot water	General	Declared load profile			-							
		η _{wh} (water heating efficiency)		%	-							
		Water heating energy efficiency class			-							
Casing	Colour				Titanium white (RAL9003)							
	Material				Sheet metal							
Dimensions	Unit	Height x Width x Depth	Casing	mm	590x400x256							
	Empty			kg	27							
Weight	Unit			kg	36							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230							
Electrical power consumption	Max.			W	86							
	Standby			W	3,5							



Daikin Altherma C Gas ECH₂O

Combines modern gas condensing technology with a thermal store

Why choose the Daikin Altherma C Gas ECH₂O

Daikin Altherma C Gas ECH₂O unit combines modern gas condensing technology with a pressure less thermal store. Customers achieve the highest heating comfort, maximum water hygiene and a small installation footprint.

Multifaceted

Combine with solar and another heat source

Highest hygiene

Complies with superior standards for water sanitation

Connectivity

Features a wireless connection

High DHW Tapping Profile

(3xx = L) and (5xx = XL)



Attractive design

Compact measurements

Daikin Altherma C Gas ECH₂O 3xx:

595 x 615 x 1.896 mm

Daikin Altherma C Gas ECH₂O 5xx:

790 x 790 x 1.896 mm

High efficiency

Delivers over 107% more energy efficiency with ISM/Smart Start Function

Easy installation and service

Lambda Gx

Fully electronic and accessible gas-air combination

Benefits of the Daikin Altherma C Gas ECH₂O

- › Thermal store with hygienic fresh water technology
- › Space-saving design: gas boiler and hygienic thermal store are combined in one device
- › Future-proof and flexible: direct combination with a solar system is possible and can be added any time
- › Highest heating comfort is customised for your home
- › Power output 500 kW to 28 kW through Intelligent Storage Management (ISM)

Energy efficiency

All Daikin Altherma C Gas ECH₂O models reach the energy label A



For example: D2U50GB028AA / 4xEKSH26P1 / Integrated controller





GCU Technologies



Health

Integrated thermal storage with hygienic fresh water technology



More space for living

Small footprint while combining a condensing boiler and a thermal store







Fit for the future

Hybrid system. The efficient thermal store can be used with additional heat generators


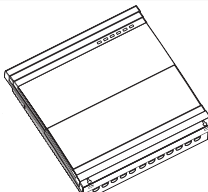


Daikin Altherma C Gas ECH₂O

Gas-Combustion



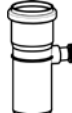


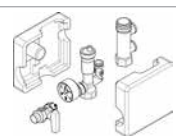




		Type / Order No.	Price €
	Daikin Altherma C Gas ECH₂O 315 Biv Output-modulating from 0,5 – 15 kW for natural and liquid gas, storage tank volume 300 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U30GB015A	4 543,-
	Daikin Altherma C Gas ECH₂O 320 Biv Output-modulating from 0,5 – 20 kW for natural and liquid gas, storage tank volume 300 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U30GB020A	4 769,-
	Daikin Altherma C Gas ECH₂O 515 Biv Output-modulating from 0,5 – 15 kW for natural and liquid gas, storage tank volume 500 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GB015A	5 252,-
	Daikin Altherma C Gas ECH₂O 520 Biv Output-modulating from 0,5 – 20 kW for natural and liquid gas, storage tank volume 500 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GB020A	5 515,-
	Daikin Altherma C Gas ECH₂O 524 Biv Output-modulating from 0,5 – 24 kW for natural and liquid gas, storage tank volume 500 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GB024A	5 791,-
	Daikin Altherma C Gas ECH₂O 528 Biv Output-modulating from 0,5 – 33 kW for natural and liquid gas, storage tank volume 500 litres, additional pressurised heat exchanger for solar applications or external heat generator. Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GB028A	6 080,-
	Daikin Altherma C Gas ECH₂O 315 Output-modulating from 0,5 – 15 kW, storage tank volume 300 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U30GC015A	4 543,-
	Daikin Altherma C Gas ECH₂O 320 Output-modulating from 0,5 – 20 kW, storage tank volume 300 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U30GC020A	4 769,-
	Daikin Altherma C Gas ECH₂O 515 Output-modulating from 0,5 – 15 kW, storage tank volume 500 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GC015A	5 252,-
	Daikin Altherma C Gas ECH₂O 520 Output-modulating from 0,5 – 20 kW, storage tank volume 500 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GC020A	5 515,-
	Daikin Altherma C Gas ECH₂O 524 Output-modulating from 0,5 – 24 kW, storage tank volume 500 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GC024A	5 791,-
	Daikin Altherma C Gas ECH₂O 528 Output-modulating from 0,5 – 28 kW, storage tank volume 500 litres for natural and liquid gas Flue-gas connection DN 60/100. Incl. outdoor temperature sensor.	D2U50GC028A	6 080,-

Regulation accessories

	Type /Order No.	Price €
 Room controller RoCon U1 Convenience regulation with wall housing For use as a) A remote control (external equipment controller) b) Mixer operating unit (additional or standalone) c) Room thermostat for heat exchanger.	EHS157034	185,-
 Mixer module RoCon M1 Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS.	EHS157068	195,-
 Outdoor temperature sensor for RoCon convenience regulation RoCon OT1 in conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution.	156070	34,-
 Gateway RoCon G1 for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .	157056	732,-

Accessories

	Type /Order No.	Price €
 Flue-gas kit for Daikin Altherma C Gas ECH₂O Double-walled connection set of 2x45° elbows with connection extender from DN60/100 to DN80/125.	155079.17	201,-
 Double-walled test adapter DN 60/100 D6 PA Accessories if no standard flue gas connection (Set GCU) is used.	246011	51,-
 Single-walled test adapter DN 60 E6 PA Accessories for room-air independant operation if no standard flue gas connection (Set GCU) is used.	246012	23,-
 Pump group with mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature display	MK 156075	910,-
 Pump group without mixer For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWM controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	PK 156077	647,-
Fittings kit for mixer group MK1/MK2 1" female thread x 1 1 / 2 " flat-sealing	156053	26,-
 Safety module for Daikin Altherma C Gas ECH₂O Product range With pressure gauge, 3 bar over-pressure valve, automatic bleeder, MAG connection and filling cock.	157046	105,-
 Convection brake SKB To prevent circulation under gravity in Sanicube water circuits with Drain-Back, 2 pcs., suitable up to 95 °C, for installation in any tank-side heat exchanger connections except pressure solar heat exchanger	165070	15,-
 Sludge and magnetite separator Compact sludge separator with drain cock. Fits vertical and horizontal pipe work Includes valves and fittings	K.FERNOXTF1	212,-

Daikin Altherma C Gas ECH₂O

Combining modern gas condensing technology with a thermal store

- › Space-saving gas condensing boiler with integrated heat / solar storage
- › Auto Adaptive Lambda Gx combustion technology for all gas types
- › Capacity 6,5 to 33kW, storage tank volume 300 litres or 500 litres
- › Universal use thanks to intelligent store management and a power output of 0,5 - 28 kW
- › High heat and DHW comfort with integrated ECH₂O Thermal store: fresh water hygiene technology
- › Easy integration of thermal solar and a further additional heat generator
- › Note: Solar controller (shown on picture) is an option, not standard on boiler



				D	2U30GC015A	2U30GC020A	2U50GC015A	2U50GC020A	2U50GC024A	2U50GC028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	3,3/16,7	3,3/22,2	3,3/16,7	3,3/22,2	4,4/26,6	4,4/31,1
	Output Pn at 80/60°C	Min/Nom		kW	2,9/14,6	2,9/19,5	2,9/14,6	2,9/19,5	3,9/23,4	3,9/27,2
	Output Pnc at 50/30°C	Min/Nom		kW	3,2/15,7	3,2/20,9	3,2/15,7	3,2/20,9	4,3/25,0	4,3/29,1
	Water pressure (PMS)	Max		bar				3		
	Water temperature	Max		°C				90		
	Operation range	Min/Max		°C				10/90		
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	3,3/16,7	3,3/22,2	3,3/16,7	3,3/22,2	4,4/26,6	4,4/31,1
	Output	Min/Nom		kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Temperature	Factory setting		°C				58		
	Operation range	Min/Max		°C				10/85		
Piping connections	Cold in-Hot out			Inch	G 1" (male)					
Gas	Connection	Diameter		mm	20					
	Consumption (G20)	Min/Max		m³/h	0,32/1,59	0,32/2,11	0,32/1,59	0,32/2,11	0,42/2,54	0,42/2,96
	Consumption (G25)	Min/Max		m³/h	0,35/1,75	0,35/2,33	0,35/1,75	0,35/2,33	0,47/2,80	0,47/3,26
	Consumption (G31)	Min/Max		m³/h	0,16/0,62	0,16/0,82	0,16/0,62	0,16/0,82	0,27/0,98	0,27/1,15
	Supply air	Connection		mm	100					
	Concentric				1					
Flue gas	Connection			mm	60					
Water circuit	Piping connections			Inch	G 1" (female)					
Space heating	General	ηs (Seasonal space heating efficiency)	%		91	92	91	92	92	92
		Seasonal space heating eff. class			A					
Domestic hot water heating	General	Declared load profile			L		XL		XL	
		ηwh (water heating efficiency)	%		81	81	89	82	84	82
		Water heating energy efficiency class			A					
Casing					Traffic white (RAL9016) / Dark grey (RAL7011)					
	Colour									
	Material									
Dimensions	Unit	HeightxWidthxD	Casing	mm	1.895x595x615		1.895x790x790		1.895x790x790	
Weight	Unit	Empty		kg	76		102		104	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Electrical power consumption	Max.			W	76	98	76	98	104	108
	Standby			W	3					
Drain-back solar	Piping connections	solar-flow		Inch	G 1" (female)					
				D	2U30GB015A	2U30GB020A	2U50GB015A	2U50GB020A	2U50GB024A	2U50GB028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	3,3/16,7	3,3/22,2	3,3/16,7	3,3/22,2	4,4/26,6	4,4/31,1
	Output Pn at 80/60°C	Min/Nom		kW	2,9/14,6	2,9/19,5	2,9/14,6	2,9/19,5	3,9/23,4	3,9/27,2
	Output Pnc at 50/30°C	Min/Nom		kW	3,2/15,7	3,2/20,9	3,2/15,7	3,2/20,9	4,3/25,0	4,3/29,1
	Water pressure (PMS)	Max		bar				3		
	Water temperature	Max		°C				90		
	Operation range	Min/Max		°C				10/90		
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	3,3/16,7	3,3/22,2	3,3/16,7	3,3/22,2	4,4/26,6	4,4/31,1
	Output	Min/Nom		kW	3,0/15,0	3,0/20,0	3,0/15,0	3,0/20,0	4,0/24,0	4,0/28,0
	Temperature	Factory setting		°C				58		
	Operation range	Min/Max		°C				10/85		
Piping connections	Cold in-Hot out			Inch	G 1" (male)					
Gas	Connection	Diameter		mm	20					
	Consumption (G20)	Min/Max		m³/h	0,32/1,59	0,32/2,11	0,32/1,59	0,32/2,11	0,42/2,54	0,42/2,96
	Consumption (G25)	Min/Max		m³/h	0,35/1,75	0,35/2,33	0,35/1,75	0,35/2,33	0,47/2,80	0,47/3,26
	Consumption (G31)	Min/Max		m³/h	0,16/0,62	0,16/0,82	0,16/0,62	0,16/0,82	0,27/0,98	0,27/1,15
	Supply air	Connection		mm	100					
	Concentric				1					
Flue gas	Connection			mm	60					
Water circuit	Piping connections			Inch	G 1"					
Space heating	General	ηs (Seasonal space heating efficiency)	%		91	92	91	92	92	92
		Seasonal space heating eff. class			A					
Domestic hot water heating	General	Declared load profile			L		XL		XL	
		ηwh (water heating efficiency)	%		81	81	89	82	84	82
		Water heating energy efficiency class			A					
Casing					Traffic white (RAL9016) / Dark grey (RAL7011)					
	Colour									
	Material									
Dimensions	Unit	HeightxWidthxD	Casing	mm	1.895x595x615		1.895x790x790		1.895x790x790	
Weight	Unit	Empty		kg	78		104		106	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Electrical power consumption	Max.			W	76	98	76	98	104	108
	Standby			W	3					
Drain-back solar	Piping connections	solar-flow		Inch	G 1"					
	Piping connections									
	solar-flow									

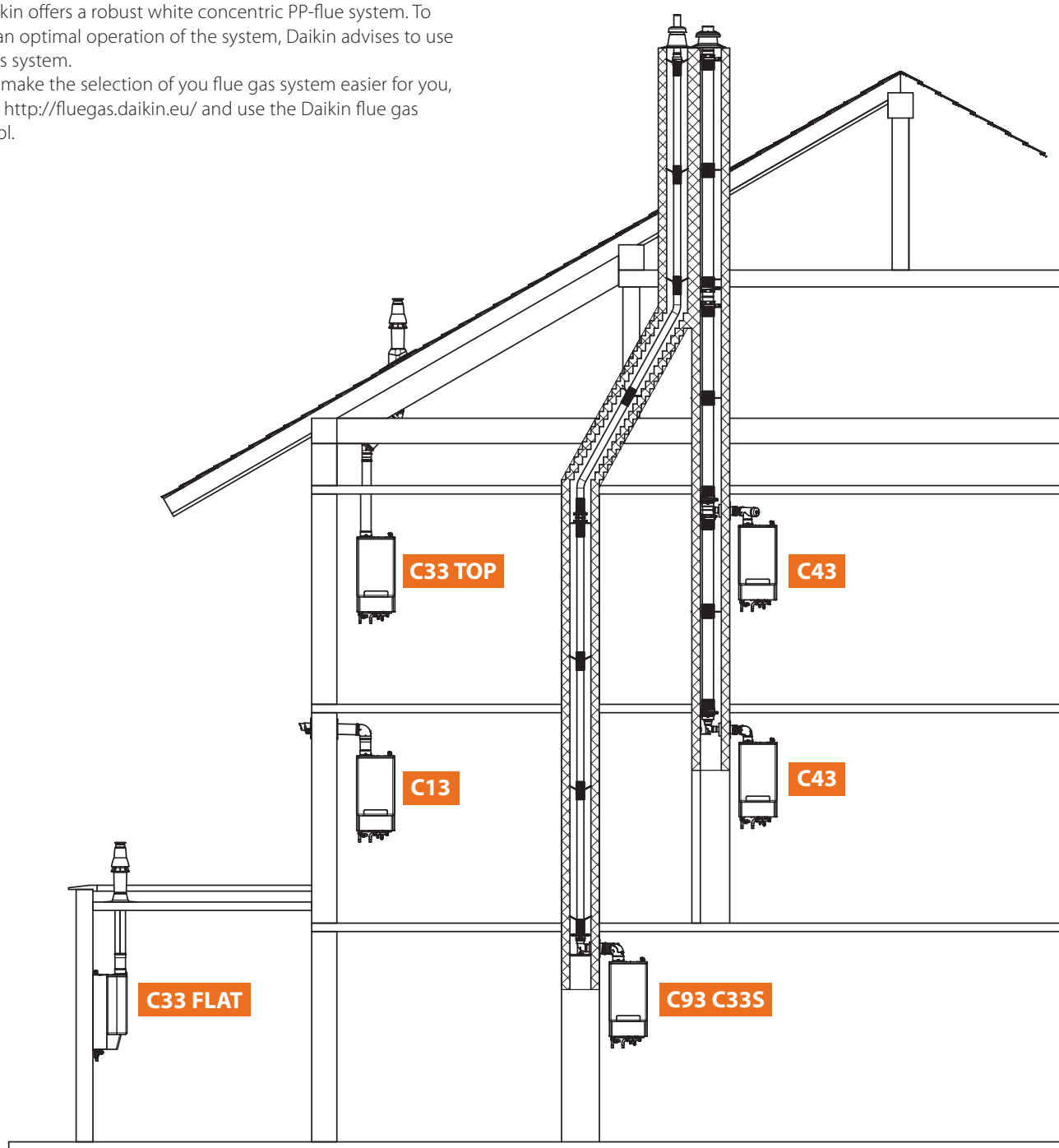


Daikin flue gas system



















Flue gas system for Daikin Altherma R Hybrid heat pump, Altherma 3 C Gas and Altherma C Gas ECH₂O gas condensing boilers

For combinations with the Daikin Altherma R Hybrid heat pump, Altherma 3 C Gas and Altherma C Gas ECH₂O gas condensing boilers, Daikin offers a robust white concentric PP-flue system. To safeguard an optimal operation of the system, Daikin advises to use this flue gas system.
















In order to make the selection of your flue gas system easier for you, please visit <http://fluegas.daikin.eu/> and use the Daikin flue gas selector tool.




















C13, C33 60/100

Material name	Description	Price €
 EKFGP6837	Roof Terminal PP/GLV 60/100 AR460	89,-
 EKFGS0518	Weather Slate Steep Pb/GLV 60/100 18°-22°	129,-
 EKFGS0519	Weather Slate Steep Pb/GLV 60/100 23°-27°	129,-
 EKFGP7910	Weather Slate Steep PF 60/100 25°-45°	52,-
 EKFGS0523	Weather Slate Steep Pb/GLV 60/100 43°-47°	134,-
 EKFGS0524	Weather Slate Steep Pb/GLV 60/100 48°-52°	141,-
 EKFGS0525	Weather Slate Steep Pb/GLV 60/100 53°-57°	144,-
 EKFGP1296	Weather Slate Flat Alu 60/100 0°-15°	79,-
 EKFGP6940	Weather Slate Flat Alu 60/100	39,-
 EKFGP2978	Kit horizontal PP/GLV 60/100	57,-
 EKFGP2977	Kit horizontal low profile PP/GLV 60/100	71,-
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
 EKFGP4664	Elbow PP/GLV 60/100 30°	49,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
 EKFGP4667	Meas. Tee with Inspection Panel PP/GLV 60/100	120,-
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-
















C93,C33S 60/100

Material name	Description	Price €
 EKFGP4678	Chimney Connection 60/100	57,-
 EKFGP1856	Flex Kit PP Dn.60-80	294,-
 EKFGP6340	Extension Flex PP 80 L=10 M	239,-
 EKFGP6324	Connector Flex-Flex PP 80	44,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
 EKFGP6333	Spacer PP 80-100	14,-
 EKFGP4667	Meas. Tee with Inspection Panel PP/GLV 60/100	120,-
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-
 EKFGP6341	Extension Flex PP 80 L=25 M	552,-
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP4664	Elbow PP/GLV 60/100 30°	49,-
 EKFGP6342	Extension Flex PP 80 L=50 M	1 027,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
 EKFGP6344	Extension Flex PP 80 L=15 M	359,-



















C13, C33 80/125

Material name	Description	Price €
 EKFGP6864	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	105,-
 EKFGT6300	Weather Slate Steep Pb/GLV 80/125 18°-22°	131,-
 EKFGT6301	Weather Slate Steep Pb/GLV 80/125 23°-27°	134,-
 EKFGP7909	Weather Slate Steep PF 80/125 25°-45° Ral-9011	54,-
 EKFGT6305	Weather Slate Steep Pb/GLV 80/125 43°-47°	144,-
 EKFGT6306	Weather Slate Steep Pb/GLV 80/125 48°-52°	146,-
 EKFGT6307	Weather Slate Steep Pb/GLV 80/125 53°-57°	156,-
 EKFGP1297	Weather Slate Flat Alu 80/125 0°-15°	86,-
 EKFGW5333	Weather Slate Flat Alu 80/125	39,-
 EKFGW6359	Wall Terminal Kit PP/GLV 80/125	99,-
 EKFGP4801	Extension PP/GLV 80/125 x 500mm	44,-
 EKFGP4802	Extension PP/GLV 80/125 x 1000mm	47,-
 EKFGP4814	Elbow PP/GLV 80/125 30°	49,-
 EKFGP4811	Elbow PP/ALU 80/125 45°	39,-
 EKFGP4810	Elbow PP/ALU 80/125 90°	39,-
 EKFGP4820	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	94,-
 EKFGP4481	Fixation / Wall Bracket Dn.125	14,-

















C93,C33S 80/125

Material name	Description	Price €
 EKFGP6340	Extension Flex PP 80 L=10 M	239,-
 EKFGP4828	Chimney Connection 80/125	57,-
 EKFGP2520	Flex Kit PP Dn.80	335,-
 EKFGP6324	Connector Flex-Flex PP 80	44,-
 EKFGP4820	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	94,-
 EKFGP4811	Elbow PP/ALU 80/125 45°	39,-
 EKFGP6333	Spacer PP 80-100	14,-
 EKFGP6341	Extension Flex PP 80 L=25 M	552,-
 EKFGP4801	Extension PP/GLV 80/125 x 500mm	44,-
 EKFGP4810	Elbow PP/ALU 80/125 90°	39,-
 EKFGP4481	Fixation / Wall Bracket Dn.125	14,-
 EKFGP4802	Extension PP/GLV 80/125 x 1000mm	47,-
 EKFGP4814	Elbow PP/GLV 80/125 30°	49,-
 EKFGP6344	Extension Flex PP 80 L=15 M	359,-
 EKFGP6342	Extension Flex PP 80 L=50 M	1 027,-

C43 DN.100

Material name	Description	Price €
 EKFGP6354	Flex 100-60 + Support Elbow	162,-
 EKFGP6368	Tee Flex 100 Boiler Connectionset 1	222,-
 EKFGP5461	Chimney Connection 60/100	10,-
 EKFGP4678	Chimney Connection 60/100	57,-
 EKFGP5497	Chimney Top PP 100 incl. Flue Pipe	118,-
 EKFGP6316	Adapter Flex-Fixed PP 100	54,-
 EKFGP4667	Meas. Tee with Inspection Panel PP/GLV 60/100	120,-
 EKFGP6325	Connector Flex-Flex PP 100	49,-
 EKFGP6346	Extension Flex PP 100 L=10 M	291,-
 EKFGP6337	Support Bracket Top Inox Dn.100	24,-
 EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP4664	Elbow PP/GLV 60/100 30°	49,-
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
 EKFGP6349	Extension Flex PP 100 L=15 M	438,-
 EKFGP6347	Extension Flex PP 100 L=25 M	719,-







C43 DN.130

Material name	Description	Price €
 EKFGP4678	Chimney Connection 60/100	57,-
 EKFGP5197	Chimney Top PP 130 incl. Flue Pipe	170,-
 EKFGP5461	Chimney Connection 60/100	10,-
 EKFGP6215	Tee Flex 130 Boiler Connectionset 1	246,-
 EKFGP6366	Connector Flex-Flex PP 130	71,-
 EKFGS0257	Flex 130-60 + Support Elbow	182,-
 EKFGS0252	Adapter Flex-Fixed PP 130	68,-
 EKFGP6353	Support Bracket Top Inox Dn.130	49,-
 EKFGS0250	Extension Flex PP 130 L=30 M	942,-
 EKFGP4667	Meas. Tee with Inspection Panel PP/GLV 60/100	120,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
 EKFGP4664	Elbow PP/GLV 60/100 30°	49,-
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-








C53

Material name	Description	Price €
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP6837	Roof Terminal PP/GLV 60/100 AR460	89,-
 EKFGW4085	Elbow PP MB-AIR 80 90°	7,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGP4652	Extension PP/GLV 60/100 x 1.000mm	44,-
 EKFGV1102	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	102,-
 EKFGP4661	Elbow PP/GLV 60/100 45°	31,-
 EKFGW4001	Extension P BM-Air 80x500	9,-
 EKFGP7910	Weather Slate Steep PF 60/100 25°-45°	52,-
 EKFGS0519	Weather Slate Steep Pb/GLV 60/100 23°-27°	129,-
 EKFGP4664	Elbow PP/GLV 60/100 30°	49,-
 EKFGP4667	Meas. Tee with Inspection Panel PP/GLV 60/100	120,-
 EKFGS0525	Weather Slate Steep Pb/GLV 60/100 53°-57°	144,-
 EKFGS0518	Weather Slate Steep Pb/GLV 60/100 18°-22°	129,-
EKFGS0523	Weather Slate Steep Pb/GLV 60/100 43°-47°	134,-
EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
EKFGS0524	Weather Slate Steep Pb/GLV 60/100 48°-52°	141,-

C53

Material name	Description	Price €
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-
 EKFGW4002	Extension P BM-Air 80x1.000	16,-
 EKFGW4004	Extension P BM-Air 80x2.000	29,-
 EKFGP6940	Weather Slate Flat Alu 60/100	39,-
 EKFGW4086	Elbow PP BM-AIR 80 45°	7,-
 EKFGP1296	Weather Slate Flat Alu 60/100 0°-15°	79,-

C83

Material name	Description	Price €
 EKFGV1101	Chimney Connection 60/10 Air Intake Dn. 80 C83	150,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
 EKFGP4660	Elbow PP/GLV 60/100 90°	34,-
 EKFGW4085	Elbow PP MB-AIR 80 90°	7,-
 EKFGP4631	Fixation / Wall Bracket Dn.100	10,-
 EKFGP4651	Extension PP/GLV 60/100 x 500mm	39,-
 EKFGP4652	Extension PP/GLV 60/100 x 1000mm	44,-
EKFGP4661	Elbow PP/GLV 60/100 45°	31,-



Thermal stores and tanks

Hot water heating installation solutions



Why choose a 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

- › EKHTS-AC: available in 200 and 260l in stainless steel
- › EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
- › EKHWS-B: available for 400V applications
- › EKHWS(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

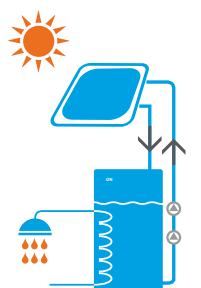
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

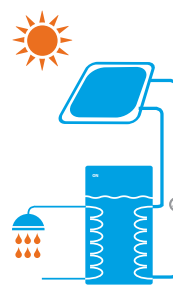
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

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

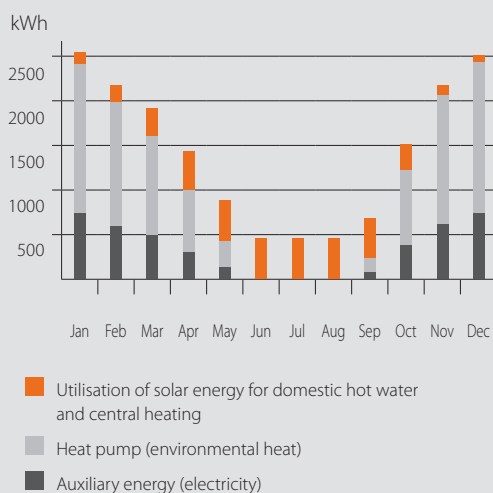
Pressureless (drain-back) solar system

- › 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

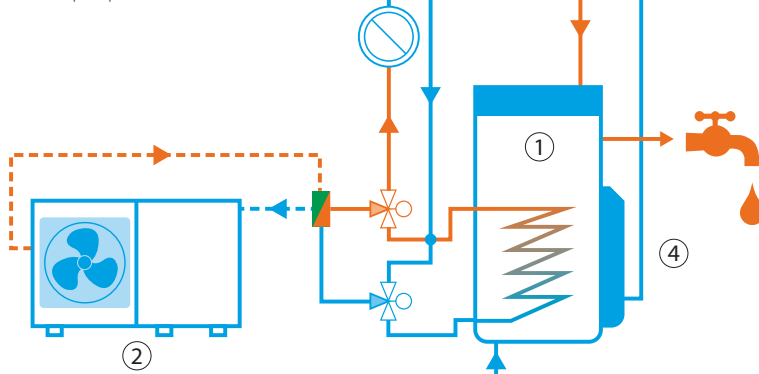
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

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 and solar storage tank

Article	Type / Order No.	Price €
 	Stainless steel hot water storage tank For combination with Altherma HT indoor unit or Altherma LT wall mounted (from Version BB of indoor unit onwards). With Altherma HT Mounting on the indoor unit is possible. With individual installation next to the indoor unit you will need the mounting unit EKFMAHTB for the Altherma HT.	
	With a capacity of 200 litres Dimensions (WxDxH) 600 x 695 x 1.335 mm, weight 70 kg.	EKHTS200AC 1 504,-
	With a capacity of 260 litres Dimensions (WxDxH) 600 x 695 x 1.610 mm, weight 78 kg.	EKHTS260AC 1 698,-
	Hot water storage tank installation kit For individual installation of the stainless steel hot water storage tank EKHTS200AC and EKHTS260AC next to the Altherma HT indoor unit.	EKFMAHTB 608,-


Domestic Hot Water Tank Sets for Daikin Altherma 3 wall mounted

consists of tank, booster heater, thermistor + connection wire (12m), 3-way valve + motor, jumper wire

	Type / Order No.	Price €
	Stainless Steel Domestic Hot Water Tank 150 l incl. 3 kW booster heater 1 ~ 230 V, height 1.015 mm, diameter 600 mm	EKHWS150D3V3 1 248,-
	Stainless Steel Domestic Hot Water Tank 180 l incl. 3 kW booster heater 1 ~ 230 V, height 1.175 mm, diameter 600 mm	EKHWS180D3V3 1 287,-
	Stainless Steel Domestic Hot Water Tank 200 l incl. 3 kW booster heater 1 ~ 230 V, height 1.283 mm, diameter 600 mm	EKHWS200D3V3 1 325,-
	Stainless Steel Domestic Hot Water Tank 250 l incl. 3 kW booster heater 1 ~ 230 V, height 1.553 mm, diameter 600 mm	EKHWS250D3V3 1 385,-
	Stainless Steel Domestic Hot Water Tank 300 l incl. 3 kW booster heater 1 ~ 230 V, height 1.763 mm, diameter 600 mm	EKHWS300D3V3 1 446,-

Domestic Hot Water Tank Sets for Daikin Altherma LT wall mounted

Consists of tank, booster heater, contactor/fuse assembly for BH, thermistor + connection wire (12m), 3-way valve + motor

	Type / Order No.	Price €
	Stainless Steel Domestic Hot Water Tank 150 l incl. 3 kW booster heater 1 ~ 230 V, height 900 mm, diameter 580 mm, weight 37 kg	EKHWS150B3V3 1 167,-
	Stainless Steel Domestic Hot Water Tank 200 l incl. 3 kW booster heater 1 ~ 230 V, height 1.150 mm, diameter 580mm, weight 45kg	EKHWS200B3V3 1 207,-
	Stainless Steel Domestic Hot Water Tank 200 l incl. 3 kW booster heater 2 ~ 400 V, height 1.150 mm, diameter 580 mm, weight 45 kg	EKHWS200B3Z2 1 207,-
	Stainless Steel Domestic Hot Water Tank 300 l incl. 3 kW booster heater 1 ~ 230 V, height 1.600 mm, diameter 580 mm, weight 59 kg	EKHWS300B3V3 1 364,-
	Stainless Steel Domestic Hot Water Tank 300 l incl. 3 kW booster heater 2 ~ 400 V, height 1.600 mm, diameter 580 mm, weight 59 kg	EKHWS300B3Z2 1 364,-
	Wallbracket for 150 l stainless steel tank	EKWBSWW150 349,-

Daikin Sanicube and Hybridcube









Thermal store and solar storage tank



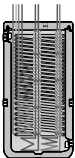

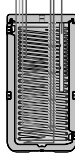
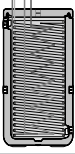
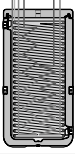
Pressurised
system (-P)



Drain-Back
system (-DB)





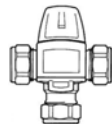

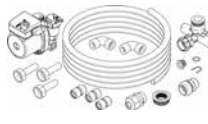



		Type / Order No.	Price €
	Sanicube SCS 328/14/0-P High-performance 300 litre energy store for domestic hot water generation. Dimensions (WxDxH) 595 x 615 x 1.646 mm, weight 57 kg	EKHWC300PB	1 874,-
	Sanicube SCS 538/16/0-P High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (WxDxH) 790 x 790 x 1.658 mm, weight 93 kg	EKHWC500PB	2 315,-
	Sanicube SCS 538/16/16-P High-performance 500 litre stratified storage tank for hot water generation and heating support and for bivalency operation with additional heat generator. Dimensions (WxDxH) 790 x 790 x 1.658 mm, weight 99 kg	EKHWC500PB	2 448,-
	Sanicube SCS 328/14/0-DB High-performance 300 litre energy store for domestic hot water generation. Dimensions (WxDxH) 595 x 615 x 1.646 mm, weight 55 kg	EKHWC300B	1 391,-
	Sanicube SCS 538/0/0-DB High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (WxDxH) 790 x 790 x 1.658 mm, weight 82 kg	EKHWC500B	1 633,-
	Sanicube SCS 538/16/0-DB High-performance 500 litre stratified storage tank for hot water generation and heating support. Dimensions (WxDxH) 790 x 790 x 1.658 mm, weight 88 kg	EKHWC500B	2 009,-
	Sanicube SCS 538/16/16-DB High-performance 500 litre stratified storage tank for hot water generation and heating support and for bivalency operation with additional heat generator. Dimensions (WxDxH) 790 x 790 x 1.658 mm, weight 94 kg	EKHWC500B	2 656,-
	HybridCube HYC 343/19/0-P – Thermal store for LT wall mounted up to 8 kW, Altherma hybrid and all HT High-performance 300 litre energy store for domestic hot water generation. Dimensions (WxDxH) 595 x 615 x 1.646 mm, weight 64 kg	EKHWP300PB	2 005,-



		Type / Order No.	Price €
	HybridCube HYC 544/32/0-P – Thermal store for LT wall mounted up to 16 kW, Altherma hybrid and all HT High-performance 500 litre stratified storage tank for hot water generation and heating support ¹⁾ . Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 98 kg	EKHWP500PB	2 479,-
	HybridCube HYC 343/19/0-DB – Thermal store for LT wall mounted up to 8 kW, Altherma hybrid and all HT High-performance 300 litre energy store for hot water generation. Dimensions (W x D x H) 595 x 615 x 1.646 mm, weight 59 kg	EKHWP300B	1 908,-
	HybridCube HYC 544/32/0-DB – Thermal store for LT wall mounted up to 16 kW, Altherma hybrid and all HT High-performance 500 litre stratified storage tank for hot water generation and heating support ¹⁾ . Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 93 kg	EKHWP500B	2 360,-
	Sanicube SC 538/16/0 High-performance 500 litre thermal store for hot water generation by boiler or other heat source. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 85 kg	EKHWDH500B	2 045,-
	Sanicube SC 538/16/16 High-performance 500 litre thermal store for hot water generation by boiler or other heat source. and for bivalency operation with additional heat generator. Dimensions (W x D x H) 790 x 790 x 1.658 mm, weight 91 kg	EKHWDB500B	2 423,-


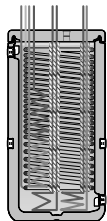
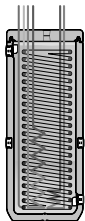
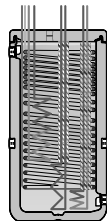
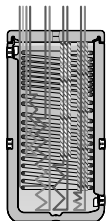
¹⁾ Heating support not in combination with Altherma hybrid.

Thermal store accessories

			Type / Order No.	Price €
	Electric heating element 240 V Output 2 kW including 30–78 °C temperature controller and 95 °C temperature limiter, Immersion depth 1.420 mm	EHS/500/1	165131	462,-
	Electric immersion heater 240/400 V Output 2–6 kW including temperature controller and 98 °C temperature limiter, immersion depth 1.420 mm	EHS/500/5	165135	636,-
	Electric immersion heater 240/400 V Output 2–6 kW including temperature controller and 98 °C temperature limiter, immersion depth 1.100 mm For use with Sanicube Solaris	EHS/500/6	165136	598,-
	Circulation lance For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the ROTEX storage tank	ZKL	165113	143,-
	Thermostatic mixer as scalding protector Thermal safety device for the domestic water pipe. Setting range 35–60 °C	VTA32	156015	100,-
	Screw connection kit 1" For connection of the scald protection VTA32		156016	41,-
	Storage tank incorporation A1 (storage tank return connection and electric immersion heater connection) Kit for connecting a ROTEX A1 condensing boiler to the LT compact or a ROTEX storage tank (compatible with all models from 2013 onwards). Consisting of: piping, fittings, storage tank incorporation. Unpressurised mode	SAA1	160125	166,-
	Storage tank incorporation heat exchanger Variant 2 (storage tank return connection and electric immersion heater connection) Kit for connection of a wood-burning, pellet, oil or gas boiler to the LT compact or a ROTEX storage tank (compatible with all models from 2013) as an alternative to an electric immersion heater. Consists of: piping, fittings, storage tank incorporation and circulation pump. For the connection of a boiler to the unpressurised area, you will need an additional plate heat exchanger (e.g. ROTEX RPWT1 Order No. 162031-RTX). This variant can only be realised with controllable heat generators	SAK	160130	463,-
	Connection elbow SCS/HYC The optional connection elbow enables easy filling of the storage tank via the filling and drain connection on the storage tank (1" female thread connection)	AW BAS	165210	43,-
	Fill and drain connection For RPS3 and tanks from 2013, for easy filling and emptying through the fill and drain valve	KFE BA	165215	33,-
	Convection brake To prevent circulation under gravity in Sanicube water circuits with Drain-Back, 2 pcs., suitable up to 95 °C, for installation in any tank-side heat exchanger connections except pressure solar heat exchanger	SKB	165070	15,-


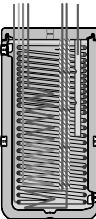
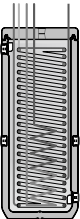
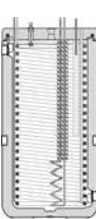
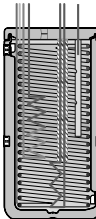
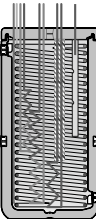
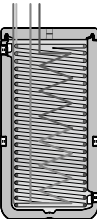
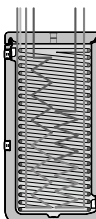
Storage tank selection

Daikin Hygienic storage tank

	HYC 343/19/0-P EKHWP300PB	HYC 544/32/0-P EKHWP500PB	SCS 328/14/0-P EKHWCH300PB	SCS 538/16/0-P EKHWCH500PB	SCS 538/16/16-P EKHWCB500PB
					
Hygienic hot water-generation in instantaneous through-flow principle	•	•	•	•	•
Heat generator combinations					
Boiler combination					
A1 BO	•	•	•	•	•
Pretherma wall mounted gas boiler	•	•	•	•	•
Existing boiler	•	•	•	•	•
Heat pump combination					
LT wall mounted up to 8 kW	•				
LT wall mounted up to 16 kW		•			
Altherma HT	•	•	•	•	•
Altherma hybrid	•	•			
Solar combination					
Drain-Back combination					
Pressurised solar combination	•	•	•	•	•
Solar heating support ¹⁾		•		•	•
Bivalency solution* (combination with additional heat generators or swimming pool)					•

* If a pressurised solar combination or a bivalency solution is to be combined with a heat pump, Daikin recommendation is to use Daikin Altherma ECH₂O heat pumps in Bivalent variant. See next pages: Daikin Altherma 3 R ECH₂O - p.46, Daikin Altherma R ECH₂O - p.74.

¹⁾ Heating support not in combination with Altherma hybrid.

HYC 343/19/0-DB EKHWP300B	HYC 544/32/0-DB EKHWP500B	SCS 328/14/0-DB EKHWCH300B	SCS 538/0/0-DB EKHWC500B	SCS 538/16/0-DB EKHWCH500B	SCS 538/16/16-DB EKHWCB500B	SC 538/16/0 EKHWDH500B	SC 538/16/16 EKHWDB500B
							
•	•	•	•	•	•	•	•
•	•	•		•	•	•	•
•	•	•		•	•	•	•
•	•	•		•	•	•	•
•							
•	•	•		•	•	•	•
•	•						
•	•	•	•	•	•		
	•		•	•	•		
					•		•

Thermal store

Plastic domestic hot water tank with solar support

- › The thermal store EKHWP* is designed to work with Daikin Altherma heat pumps
- › 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
- › Available in 300 and 500 liters



EKHWP500B




EKHWP300B



B

85°C

Accessory		EKHWP	300B	500B	300PB	500PB	
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	1.650	1.660	1.650	1.660
Weight	Unit	Empty	kg	58	82	58	89
 Tank	Water volume		l	294	477	294	477
	Material			Polypropylene			
	Maximum water temperature		°C	85			
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7
	Energy efficiency class			B			
	Standing heat loss		W	64	72	64	72
	Storage volume		l	294	477	294	477
	Heat exchanger	Domestic hot water	Quantity		1		
Tube material			Stainless steel (DIN 1.4404)				
Face area			m²	5.600	5.800	5.600	5.900
Internal coil volume			l	27,1	28,1	27,1	28,1
Operating pressure			bar	6			
Average specific thermal output			W/K	2.790	2.825	2.790	2.825
Charging		Quantity		1			
		Tube material		Stainless steel (DIN 1.4404)			
		Face area	m²	3	4	3	4
		Internal coil volume	l	13	18	13	18
		Operating pressure	bar	3			
		Average specific thermal output	W/K	1.300	1.800	1.300	1.800
Pressurised solar		Average specific thermal output	W/K	-		390.00	840.00
Auxiliary solar heating		Tube material		-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)
		Face area	m²	-	1	-	1
		Internal coil volume	l	-	4	-	4
		Operating pressure	bar	-	3	-	3
	Average specific thermal output	W/K	-	280	-	280	


Domestic hot water tank

Plastic domestic hot water tank with solar support

- › The thermal store EKHWC* is designed to work with a gas/oil boiler
- › The thermal store EKHWD* is designed to work with boilers as well as with Daikin Altherma High Temperature
- › 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
- › Available in 300 or 500 liters



85°C


Accessory				EKHWDH 500B	EKHWDB 500B	EKHWC 300B	EKHWC 300PB	EKHWC 500B	EKHWC 500B	EKHWC 500PB	EKHWC 500B	EKHWC 500PB	
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material			Impact resistant polypropylene									
Dimensions	Unit	Width	mm	790		595		790					
		Depth	mm	790		615		790					
Weight	Unit	Empty	kg	73	76	51	53	69	74	79	80	86	
 Tank	Water volume		l	477		294				477			
	Material			Polypropylene									
	Maximum water temperature			°C			85						
	Insulation	Heat loss	kWh/24h	1,7		1,5		1,7					
	Energy efficiency class			B									
	Standing heat loss			W		72		64		72			
	Storage volume			l		477		294		477			
	Heat exchanger	Domestic hot water	Quantity		1								
Tube material			Stainless steel (DIN 1,4404)										
Face area			m²	4,900		3,800		4,900					
Internal coil volume			l	23,8		18,6		23,8			25,8		
Operating pressure			bar	6									
Average specific thermal output			W/K	2.580		1.890		2.450			2.580		
Charging		Quantity		1				-		1			
		Tube material			Stainless steel (DIN 1,4404)				-		Stainless steel (DIN 1,4404)		
		Face area	m²	2		-		2					
		Internal coil volume	l	11		9		-		9			
		Operating pressure	bar	3		-		3					
		Average specific thermal output	W/K	1.030		920		-		1.030			
Auxiliary solar heating		Tube material			-				Stainless steel (DIN 1,4404)				
		Face area	m²	-				1					
		Internal coil volume	l	-				4					
		Operating pressure	bar	-				3					
		Average specific thermal output	W/K	-				350					


Domestic hot water tank


Stainless steel domestic hot water tank

- › EKHTS-AC: available in 200 and 260l in stainless steel
- › EKHWS-B3V3: available in 150, 200 and 300 litres in stainless steel
- › EKHWS-B3Z2: available for 400V applications
- › EKHWS-D3V3: available in 150, 180, 200, 250 and 300 litres in stainless steel



Accessory		EKHTS		200AC		260AC	
Casing	Colour					Metallic grey	
	Material					Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height	Integrated on indoor unit	mm	2.010		2.285
		Width		mm		600	
		Depth		mm		695	
		Height		mm	1.470		1.745
Weight	Unit	Empty		kg	70		78
	Tank	Water volume		l	200		260
	Material				Stainless steel (EN 1,4521)		
	Maximum water temperature				75		
	Insulation	Heat loss			12,0		15,0
	Energy efficiency class				B		
	Standing heat loss				50		63
	Storage volume				200		260
	Quantity				1		
Heat exchanger	Tube material				Duplex steel (EN 1,4162)		
	Face area				1,560		
	Internal coil volume				7,5		

Accessory		EKHWS		150B3V3	200B3V3	300B3V3	200B3Z2	300B3Z2
Casing	Colour							
	Material			Neutral white Epoxy-coated mild steel				
Dimensions	Unit	Width	mm	580				
		Depth	mm	580				
		Height	mm	900	1.150	1.600	1.150	1.600
Weight	Unit	Empty	kg	37	45	59	45	59
	Tank	Water volume	l	150	200	285	200	285
	Material				Stainless steel (DIN 1,4521)			
	Maximum water temperature				85			
	Insulation	Heat loss	kWh/24h	1,55	1,77	2,19	1,77	2,19
	Energy efficiency class				C			
	Standing heat loss		W	65	74	91	74	91
	Storage volume		l	150	200	285	200	285
	Quantity				1			
Heat exchanger	Tube material				Duplex steel LDX 2101			
	Capacity				3			
Booster heater	Capacity				3			
Power supply	Phase/Frequency/Voltage				1~/50/230		2~/50/400	

Accessory				EKHWS	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
	Tank	Water volume		l	145	174	192	242	292
	Material					Stainless steel (EN 1,4521)			
	Maximum water temperature		°C			75			
	Insulation	Heat loss	kWh/24h	1,1	1,2	1,3	1,4	1,6	
	Energy efficiency class					B			
	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	4,9	6,5	8,2			
	Operating pressure		bar	10					
Booster heater	Capacity				3				
Power supply	Phase/Frequency/Voltage	Hz/V			1~/50/230				



Heat emitters

Heat pump convector

The latest in heat pump convector technology for high performance

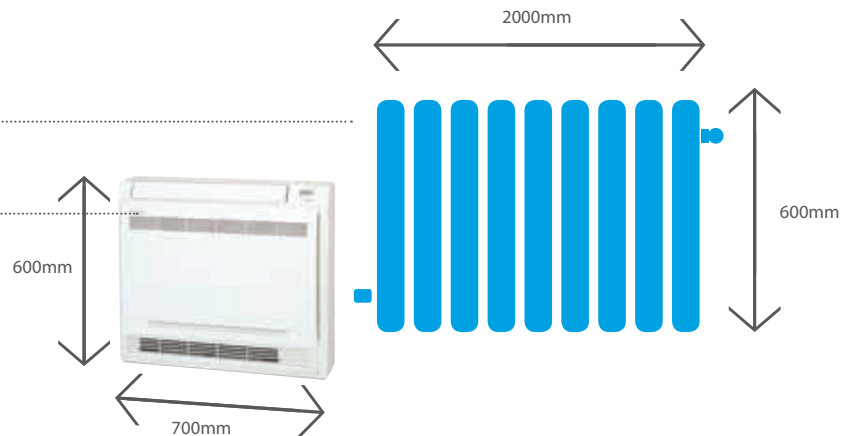
The Daikin heat pump convector is specifically designed to offer optimal efficiencies and comfort for residential applications.

- › Small dimensions compared to low temperature radiators
- › Low sound level, optimal for bedroom applications (down to 19 dBA)
- › High-capacity cooling with water temperatures down to 6°C.



Standard low temperature radiator

Daikin heat pump convector

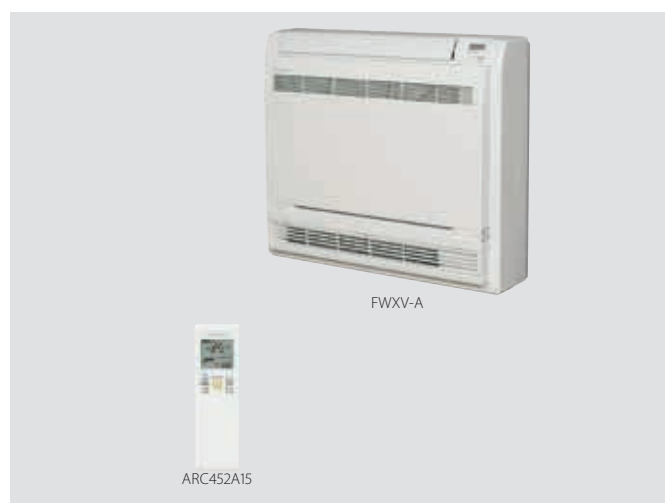


Heat pump convector


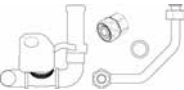
FWXV-A

Floor standing unit saving on running costs when combined with under floor heating thanks to its low leaving water temperatures

- › Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- › Energy efficient heating and cooling system based on air source heat pump technology
- › Optimum energy efficiency when connected to a Daikin Altherma low temperature system
- › The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in heating. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.



- › Its low height enables the unit to fit perfectly beneath a window
- › Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- › Can be installed against a wall or recessed

		Type / Order No.	Price €
	Heat pump convector (remote controller is included) Heat pump dedicated fan coil unit for bi-directional heating and cooling. Compact dimensions makes it a space-saving replacement for low-temperature radiators. Due to very quiet operation it's optimised for use in bedrooms.		
	Heat pump convector 1,5 kW (heating)	FWXV15A	762,-
	Heat pump convector 2,0 kW (heating)	FWXV20A	819,-
	2-way valve kit for heat pump convector Required if heat pump convector is not connected to heating circuit distributor. Includes 2-way valve with actuator, flexi pipes and thermal insulation.	EKVKHPC	131,-

Indoor Unit			FWXV	15A	20A
Heating capacity	Total capacity	Nom.	kW	1,5	2,0
			Btu/h	5.100	6.800
Cooling capacity	Total capacity	Nom.	kW	1,2	1,7
	Sensible capacity	Nom.	kW	0,98	1,4
Power input	Heating	Nom.	kW	0,013	0,015
	Cooling	Nom.	kW	0,013	0,015
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210	
Weight	Unit		kg	15	
Piping connections	Drain/OD/Inlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dBA	19	29
	Cooling	Nom.	dBA	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	

(1) The range of usable water temperature is 6°C (Min.) to 60°C (Max.) (2) Maximum allowable water pressure is 1.18MPa. (3) Comply with drinking water directive 98/83/EC for chilled water, hot water and make up water (4) The amount of water circulation should be 3L/min to 15L/min (0.18m³/hr to 0.9m³/hr). (5) Allowable model of hydrobox interlinking is BA-series. (6) Heat insulation: both inlet and outlet pipes



Solar

maximising renewable energy

Why choose a Daikin solar panel

ECH₂O

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to 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

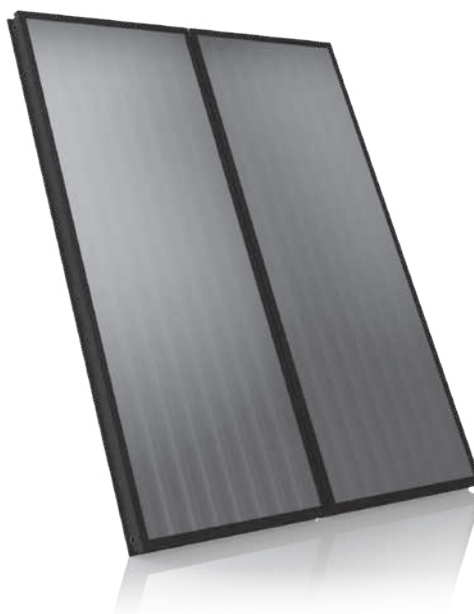
ECH₂O thermal store range: Hot water savings with solar energy

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 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.



011-751016 F



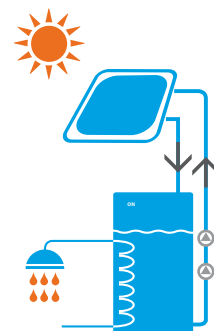
The Drain-Back solar system

✓ 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.

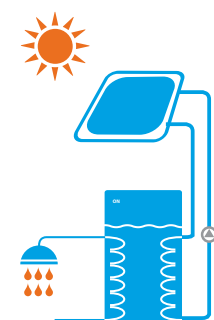
✓ Advantages

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.




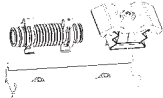




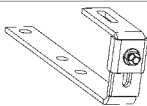
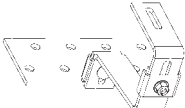

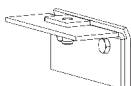


Daikin Solar

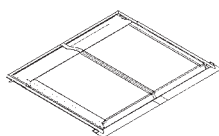
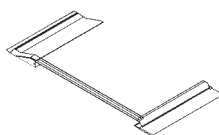
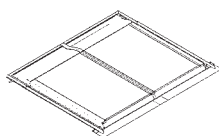
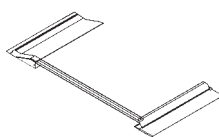
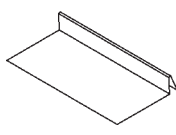
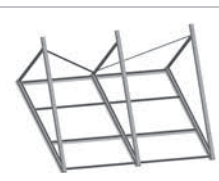


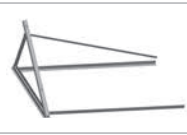
Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany).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



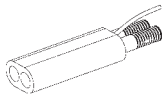









Solar system for pressurised use and Drain-back system

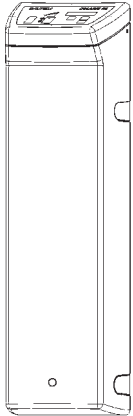

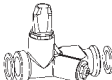




Article		Type / Order No.		Price €
	High-efficiency flat solar panel EKS26P Dimensions (HxWxD): 2.000x1.006x85 mm Solar panel area 1,79 m ² , weight 35 kg. Water content 1,3 l, Max. pressure 6 bar.	EKS21P	EKS21P	681,-
	High-efficiency flat solar panel EKS26P Dimensions (HxWxD): 2.000x1.300x85 mm Solar panel area 2,35 m ² , weight 42 kg. Water content 1,7 l, Max. pressure 6 bar.	EKS26P	EKS26P	797,-
	High-efficiency flat solar panel EKSH26P Dimensions (HxWxD): 1.300x2.000x85 mm Solar panel area 2,35 m ² , weight 42 kg. Water content 2,1 l, Max. pressure 6 bar.	EKSH26P	EKSH26P	827,-
	Solar panel connection Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	162016-RTX	74,-
	Installation profile rail for EKS21P Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	162066	53,-
	Installation profile rail for EKS26P Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	162067	58,-
	Installation profile rail for EKSH26P Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	162068	80,-
	Support for connecting pipe solar panel Support troughs (5 in number, length, in each case, 1,3m) for support of the solar panel plastic connection lines in Drain-Back.	TS	164245	9,-
	On-roof installation pack slate 4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	164723	77,-
	On-roof installation pack MULTI 2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	162085	62,-
	Roof holder for corrugated covering 4 holders including fixing material for one solar panel.	FIX-WD	164703-RTX	74,-
	Roof holder for welted sheet metal covering 4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	164704-RTX	89,-



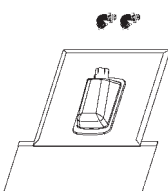
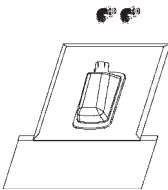
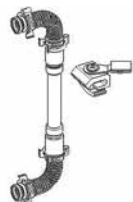
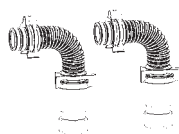
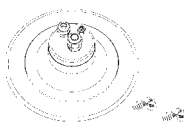
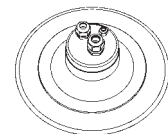

Solar system for pressurised use and Drain-back system



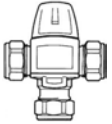


Article		Type / Order No.	Price €
	Basic in-roof assembly package EKS V21P Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P 162017	659,-
	Extension kit in-roof mounting EKS V21P Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P 162018	295,-
	Basic in-roof mounting pack EKS V26P Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P 162019	704,-
	Expansion in-roof mounting pack EKS V26P Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P 162020	307,-
	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 164616-RTX	172,-
	Basic pack flat-roof frame for mounting of two EKS V26P 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 162058	792,-
	Extension pack flat-roof frame for one additional EKS V26P solar panel Extension for FB V26P.	FE V26P 162059	317,-
	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 162060	374,-
	Extension pack flat-roof frame for one additional EKSH26P solar panel Extension for FB H26P.	FE H26P 162061	244,-
	Disassembly tools ducts drain-back system	FIX LP 162029-RTX	9,-

Article		Type / Order No.	Price €
	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	200,-
	Pressure station Consists of: Pipe connection ø 22mm 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	495,-
	ROTEX Solaris plate heat exchanger (6 kW) For connecting the ROTEX PRESSURE STATION to an unpressurised storage tank. For pressurised solar systems with up to 5 solar panels	RPWT1 162031-RTX	454,-
	Fill and drain connection For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA 165215	33,-
	Solar panel pressurised solar line DN 16 15m 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 25m. Without connection fittings.	CON 15P16 162073	659,-
	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 162075	81,-
	Solar panel pressurised solar connection kit DN 16 Fittings for connecting two pressurised solar lines DN 16.	CON XP16 162071	15,-
	Solar panel pressurised solar line DN 20 15m 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 25m. Without connection fittings.	CON 15P20 162074	814,-
	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 162076	118,-
	Solar panel pressurised solar connection kit DN 20 Fittings for connecting the pressurised solar line DN 20.	CON P20 162072	23,-
	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, 2m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.	RCP EKSRCP	234,-
	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 1m thermally-insulated piping.	CON LCP 162045	147,-

Article		Type / Order No.	Price €
	Expansion vessel 12l with connection block For solar panels with pressure systems of max. 2 x EKS21P - solar panels.	MAG S12 162070	153,-
	Expansion vessel 25l with connection block For solar panels with pressure systems of max. 3 solar panels.	MAG S 25 162050	186,-
	Expansion vessel 35l with connection block For solar panels with pressure systems of max. 5 solar panels.	MAG S 35 162051-RTX	287,-
	GLYCOL CORACON SOL 5F 20l can of pre-mixed solar fluid, functional range up to -28°C.	CORACON SOL 5F 162052-RTX	124,-
	GLYCOL CORACON SOL 5 1l of solar fluid concentrate for extension of the frost range. With 20l of solar fluid with 1 l additive, the use range extends down to -33°C. For 20l of solar fluid with 2x 1l of additive, the functional range is extended to -38°C.	CORACON SOL 5 162053	17,-
	Circulation lance For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL 165113	143,-
	Thermostatic mixer as scalding protector Thermal safety device for the domestic water pipe. Setting range 35-60°C.	VTA32 156015	100,-
	Screw connection kit 1" For connection of the scald protection VTA32.	156016	41,-
	Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR 164130	123,-
	3-way switching valve 1" male With motor drive 230V, switchover time 6 sec.	3 W-UV 156034	137,-

Article		Type / Order No.	Price €
	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	833,-
	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 165216	49,-
	Burner blocking contact connection cable For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK 164110-RTX	23,-
	Solar panel FlowGuard solar flow regulator with solar flow indicator 2-16l / min.	FLG 164102-RTX	80,-
	Connection tube solar panel Ready to connect connection line 15m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15 164732	182,-
	Connection tube solar panel Ready to connect connection line 20m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20 164733	218,-
	Solar panel solar flow sensor 100 Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100l/min.	FLS 100 164103-RTX	238,-
	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 164232	81,-

Article	Type / Order No.		Price €										
 <p>Extension connection tube solar panel Ready to plug in including installation material and connection fittings L = 5,0m L = 10,0m Maximum possible length of the connection pipe:</p> <table><tr><th>Number of solar panels</th><th>Max. length</th></tr><tr><td>2</td><td>45m</td></tr><tr><td>3</td><td>30m</td></tr><tr><td>4</td><td>17m</td></tr><tr><td>5</td><td>15m</td></tr></table>	Number of solar panels	Max. length	2	45m	3	30m	4	17m	5	15m	CON X 50 CON X 100	164262 164263	798,- 169,-
Number of solar panels	Max. length												
2	45m												
3	30m												
4	17m												
5	15m												
 <p>Extension of the inflow pipe UV-resistant thermally-insulated, length = 8m, including cable connecting fitting for the solar panel sensor line.</p>	CON XV 80	164264	147,-										
 <p>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, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	EKSRCAP	EKSRCAP	328,-										
 <p>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, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	EKSRCRP	EKSRCRP	328,-										
 <p>Solar panel 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 1m thermally-insulated piping.</p>	CON RVP	162035-RTX	96,-										
 <p>Installation material, solar panel in-roof Ready to plug in including installation material and connection fittings.</p>	RCIP	162037-RTX	180,-										
 <p>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, 8.5m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	RCFP	162038-RTX	346,-										
 <p>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.</p>	CON FE	164709	106,-										
 <p>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.</p>	CON SX	160120	211,-										

Article		Type/Order No.	Price €
	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 160121	179,-
	Circulation lance For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL 165113	143,-
	Thermostatic mixer as scalding protector Thermal safety device for the warm-water pipe. Setting range 35-60°C.	VTA32 156015	100,-
	Screw connection kit 1" For connection of the scald protection VTA32.	156016	41,-
	Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR 164130	123,-
	3-way switching valve 1" male With motor drive 230V, switch-over time 6 sec.	3 W-UV 156034	137,-

Solar panel - Overview EKS21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKS21P

Solar panel EKS21P



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	EKS21P	162012-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	162016-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	162066	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	162085	4 ²⁾	0	6 ²⁾	0	8 ²⁾	0	10 ²⁾	0
In-roof installation package, basic storage for two solar panel	IB EKS21P	162017	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKS21P	162018	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	EKS RPS4A	1	1
Support for connecting pipe solar panel	TS	164245	1	1
Connection pipe solar panel	CON 15	164732	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	162037-RTX	0	1

Nominal volume, complete system

Number of solar panels	2	3	4	5
Connecting line 15m	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 pressure 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	EKS RDS2A	EKS RDS2A	1	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	162073	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	162075	1	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	162074	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	162076	0	0	1
Solar panel expansion vessel 12l *	MAG S12	162070	1	0	0
Solar panel expansion vessel 25l *	MAG S 25	162050	0	1	0
Solar panel expansion vessel 35l *	MAG S 35	162051	0	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKS RCP	1	1	1



Drain-back system



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 EKS26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKS26P

Solar panel EKS26P



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	EKS26P	EKS26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	162016 -RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	162067	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	162085	4 ²⁾	0	0	6 ²⁾	0	0	8 ²⁾	0	0	10 ²⁾	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	162019	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	162020	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	162058	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	162059	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	EKS26P	EKS26P	1	1	1
Additional support troughs for connecting pipe solar panel	TS	164245	1	1	1
Connection pipe solar panel	CON 15	164732	1	1	1
Roof penetration pack solar panel on-roof	EKS26P EKS26P	EKS26P Anthracite EKS26P Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	162037-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	162038-RTX	0	0	1

Material list solar panels with pressure system ¹⁾



Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity	Nominal volume, complete system				
Controller	EKSDSR1A	EKSDSR1A	1	1	1	Number of solar panels	2	3	4	5
Pressure station solar panel	EKS RDS2A	EKS RDS2A	1	1	1					
Solar panel pressurised solar line DN16 15m	CON 15P16	162073	1	1	0	Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Solar panel pressurised solar connection kit DN16	CON CP16	162075	1	1	0					
Solar panel pressurised solar line DN20 15m	CON 15P20	162074	0	0	1	Nominal volume entire system (l)	21	22,7	24,4	26,1
Solar panel pressurised solar connection kit DN20	CON CP20	162076	0	0	1					
Solar panel expansion vessel 12l *	MAG S12	162070	1	0	0					
Solar panel expansion vessel 25l *	MAG S 25	162050	0	1	0					
Solar panel expansion vessel 35l *	MAG S 35	162051	0	0	1					
Installation material solar panel with pressure system ¹⁾	RCP	EKS RCP	1	1	1					

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	162016-RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	162068	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	162085	2 ²⁾	0	4 ²⁾	0	6 ²⁾	0	8 ²⁾	0	10 ²⁾	0
Flat roof support frame basic kit for one solar panel	FB H26P	162060	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	162061	0	0	0	1	0	2	0	3	0	4



Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal volume system (l)	21,6	23,9	26,0	28,1

Material list solar panels with pressure 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 15m	CON 15P16	162073	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	162075	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	162074	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	162076	0	1
Solar panel expansion vessel 12l *	MAG S12	162070	0	0
Solar panel expansion vessel 25l *	MAG S 25	162050	1	0
Solar panel expansion vessel 35l *	MAG S 35	162051	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKSRCP	1	1



Pressurised 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).

List of materials for solar components that connect several storage tanks

DB

Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit 1	CON SX	160120	1	1
Solar panel storage tank extension kit 2	CON SXE	160121	0	1
Solar panel FlowGuard solar flow regulator	FLG	164102-RTX	2	3
RPS4 solar regulation and pump unit	EXSRPS4	EKSRPS4A	1	1



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



Accessory				EKS-V21P	EKS-V26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2.000x1.006x85	2.000x1.300x85	1.300x2.000x85
Weight	Unit		kg	33	42	
Volume			l	1,3	1,7	2,1
Surface	Outer		m ²	2,01	2,60	
	Aperture		m ²	1.800	2.360	
	Absorber		m ²	1,79	2,35	
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.					6	
Stand still temperature Max.					192	
Thermal performance	collector efficiency (η_{col})		%		61	
	Zero loss collector efficiency η_0		%	0,781		0,784
	Heat loss coefficient a_1		W/m ² .K	4.240		4.250
	Temperature dependence of the heat loss coefficient a_2		W/m ² .K ²	0,006		0,007
	Thermal capacity		kJ/K	4,9		6,5
Auxiliary	Solpump		W		-	
	Annual auxiliary electricity consumption Q_{aux}		kWh		-	
	Solstandby		W		-	

EKS-RPS4A/EKS-RDS2A

Pump station

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



Accessory				EKS-RPS4A/EKS-RDS2A	EKS-RPS4A	EKS-RDS2A
Mounting					On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm		815x142x230	410x314x154
Weight	Unit		kg		6	
Operation range	Ambient temperature	Min.~Max.	°C		5~40	0~40
Operating pressure	Max.		bar		-	6
Stand still temperature	Max.		°C		85	120
Thermal performance	collector efficiency (η_{col})		%		-	
	Zero loss collector efficiency η_0		%		-	
Control	Type				Digital temperature difference controller with plain text display	
	Power consumption		W		2	5
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/230	-/50/230
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 intake					Indoor unit	
Auxiliary	Solpump		W		30	23
	Solstandby		W		2,00	5,00
	Annual auxiliary electricity consumption Q_{aux}		kWh		78	89

ROTEX variosafe

Fuel oil tanks












ROTEX variosafe

- › ROTEX variosafe double wall safety tank wit TITEC fire protection and oil odour barrier.
- › Tested odour blocking "PROOFED BARRIER".
- › For installation without walling-off and oil-resistant paint.
- › Total storage capacity 600 l – 25.000 l
- › Important: With ROTEX variosafe 600, 750, 1000, 1500 only use accessories ANK, B2, C, D, L2.




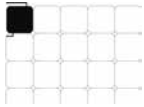
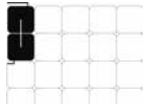
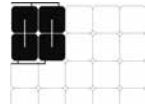

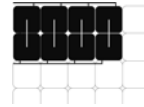
		Comments	Type	Order No.	Price €
	Variosafe 600 l 78 x 78 x 139 cm	Walling-off and oil-resistant paint not required	VSF 600	116060	496,-
	Variosafe 750 l 78 x 78 x 168 cm	Walling-off and oil-resistant paint not required	VSF 750	116075	548,-
	Variosafe 1.000 l 78 x 98 x 196 cm	Walling-off and oil-resistant paint not required	VSF 1000	116100	681,-
	Variosafe 1.500 l 78 x 134 x 192 cm	Walling-off and oil-resistant paint not required	VSF 1500	116150	996,-
	Basic kit ANK Removal fitting for variosafe, GWG LORO-X-connection sleeves, closing-off caps, Installation spanner, with contents indicator	For variosafe VSF 600/750/1000/1500	ANK	110115	216,-
	Connection packs B2 Connection pipes (TITEC), Union nuts, o-rings	VSF 600/750/1000/1500	B2	110203	97,-
	Terminal pack C End pipes (TITEC) cross-piece, union nuts, Sealing caps, O-rings	VSF 600/750/1000	C	110303	92,-

		Comments	Type	Order No.	Price €
	Connection kit D	Only for tank VSF 1000	D	110801	100,-
	Connection kit L2 End pipes (TITEC), Connection pipe (TITEC), Cross-piece, sealing caps, T-pieces, O-rings	For the tanks VSF 600/750/ 1000	L2	110602	134,-
	Assembly wrench	For filling and removal pipes	MOS	110520	5,-
	Manual pump Household kit with reduction pieces 2" x 1 1/2 and M 60 x 4 to 1 1/2" and sealing plugs		HST	110501	124,-
	ROTEX watersafe Safety fitting basic pack Contents: Removal fitting and connection parts for the individual tank. Only german approval available.	For variosafe VSF 600/750/ 1000	WA	110118	273,-
	ROTEX watersafe Safety fitting extension pack Contents: Removal fitting, connection line and connection parts for the extension tank. Only german approval available.	For variosafe VSF 600/750/ 1000	WB	110119	452,-
	Watersafe distributor For reducing suction resistance For connecting up to 5 tanks in parallel incl. coupling connections and bracket. Required above 3 tanks. Only german approval available.	For variosafe VSF 600/750/ 1000	VWS	110120	971,-
	Content measuring set VSF	For variosafe		110506	17,-

	Type	Packaging Unit	Ordering No.	Price per item	Price € per pack. unit
	VA-Oil feeding line PEX-AL compound pipe as oil supply line approved by the building supervision authorities in the DIBT test. Test mark of the building supervision authority: Z-40.23-331 Thick-walled PEX inner pipe with butt-welded aluminium covering and silver-grey PE – external layer. Due to the aluminium covering 100 % diffusion tightness. Neutral to heating oil, prevents no degradation. Type of delivery: ring coil packaged in box. Only german approval available.				
	VA-Oil pipe, Ø 12 x 3	60 m	170631	/m	156,-
	Connection screwed fitting VA-Oil For connection of the oil feed pipe VA-oil to the extraction armature and to the oil filter. Clamping ring screwed fitting made of brass or parts in contact with oil made of stainless steel. Suitable for VA oil pipe, Ø 12 x 3, Connection thread 3/8" male thread. Construction Control Test Sticker: Z-40.23-331 Only german approval available.				
	Connection screwed fitting VA-Oil	VAR1	10 pieces.	178013	/piece
	Connect VA-Oil 10 m PEX-AL compound pipe as an oil-feeding pipe with two screw connections 12 x 3 - 3/8" male thread Only german approval available.		10 m	170632	48,-

Heating oil tanks variosafe 1000 / 750 / 600 / 1500

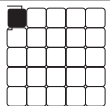
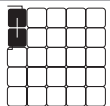
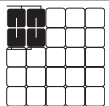
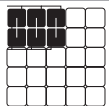
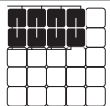
1000 litres

Content/battery designation	1.000 l · VSF 101	2.000 l · VSF 102	4.000 l · VSF 103	6.000 l · VSF 104	8.000 l · VSF 105
Accessory sets per tank combination	1xANK	1xANK/1xB2	1xANK/2xB2/2xC/1xD	1xANK/3xB2/3xC/2xD	1xANK/4xB2/4xC/3xD
Battery dimensions in cm	78 x 98	164 x 98	164 x 202	164 x 306	164 x 410
Room measurements in cm	88 x 143	174 x 143	209 x 247	209 x 351	209 x 455
					
	1 tank	2 tanks	4 tanks	6 tanks	8 tanks


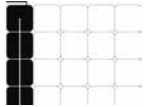
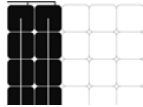

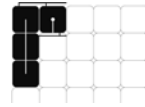
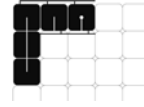
750 litres

Content/battery designation	750 l · VSF 1	1.500 l · VSF 2	3.000 l · VSF 3	4.500 l · VSF 4	6.000 l · VSF 5
Accessory sets per tank combination	1xANK	1xANK/1xB2	1xANK/3xB2/2xC	1xANK/5xB2/3xC	1xANK/7xB2/4xC
Battery dimensions in cm	78 x 78	78 x 164	164 x 164	250 x 164	336 x 164
Room measurements in cm	88 x 123	174 x 209	209 x 209	295 x 209	381 x 209

600 litres

Content/battery designation	600 l · VSF 601	1.200 l · VSF 602	2.400 l · VSF 603	3.600 l · VSF 604	4.800 l · VSF 605
Accessory sets, battery and room measurements as 750 l					
	1 tank	2 tanks	4 tanks	6 tanks	8 tanks

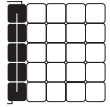
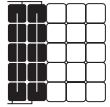
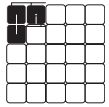
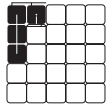
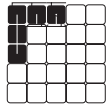
1000 litres

Content/battery designation	5.000 l · VSF 117	10.000 l · VSF 118	3.000 l · VSF 122	4.000 l · VSF 123	5.000 l · VSF 124
Accessory sets per tank combination	1xANK/4xB2	1xANK/8xB2/2xC/1xD	1xANK/1xC/1xD/1xL2	1xANK/1xB2/1C/1xD/1xL2	1xANK/1xB2/2xC/2xD/1xL2
Battery dimensions in cm	422 x 98	422 x 202	164 x 202	250 x 202	250 x 306
Room measurements in cm	432 x 143	467 x 247	209 x 247	295 x 247	295 x 351
					
	5 tanks	10 tanks	3 tanks	4 tanks	5 tanks






750 litres


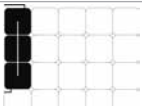
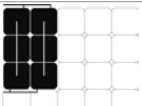
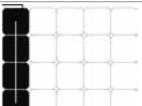
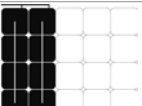
Content/battery designation	3.750 l · VSF 17	7.500 l · VSF 18	2.250 l · VSF 22	3.000 l · VSF 23	3.750 l · VSF 24
Accessory sets per tank combination	1xANK/4xB2	1xANK/9xB2/2xC	1xANK/1xB2/1xC/1xL2	1xANK/2xB2/1xC/1xL2	1xANK/3xB2/2xC/1xL2
Battery dimensions in cm	78 x 422	164 x 422	78 x 164/164	250 x 164	250 x 250
Room measurements in cm	123 x 432	209 x 467	78 x 209/209	295 x 209	295 x 295

600 litres

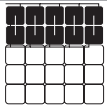
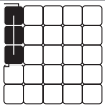
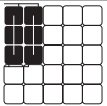
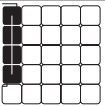
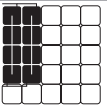
Content/battery designation	3.000 l · VSF 617	6.000 l · VSF 618	1.800 l · VSF 622	2.400 l · VSF 623	3.000 l · VSF 624
Sets of accessories, battery and room dimensions as for 750 l					
	5 tanks	10 tanks	3 tanks	4 tanks	5 tanks

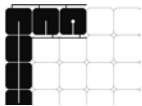
1500 litres

Content/battery designation	1.500 l · VSF 151	3.000 l · VSF 152	4.500 l · VSF 153	6.000 l · VSF 154	7.500 l · VSF 155
Accessory sets per tank combination	1xANK	1xANK/1xB2	1xANK/2xB2	1xANK/3xB2	1xANK/4xB2
Battery dimensions in cm	134 x 78	134 x 164	134 x 250	134 x 336	134 x 422
Room measurements in cm	179 x 88	179 x 174	179 x 260	179 x 346	179 x 432
					
	1 tank	2 tanks	3 tanks	4 tanks	5 tanks

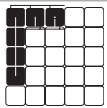
10.000 l - VSF 106	3.000 l - VSF 107	6.000 l - VSF 108	4.000 l - VSF 112	8.000 l - VSF 113
1xANK/5xB2/5xC/4xD	1xANK/2xB2	1xANK/4xB2/2xC/1xD	1xANK/3xB2	1xANK/6xB2/2xC/1xD
164 x 514	250 x 98	250 x 202	336 x 98	336 x 202
209 x 559	260 x 143	295 x 247	346 x 143	381 x 247
				
10 tanks	3 tanks	6 tanks	4 tanks	8 tanks

7.500 l - VSF 6	2.250 l - VSF 7	4.500 l - VSF 8	3.000 l - VSF 12	6.000 l - VSF 13
1xANK/9xB2/5xC	1xANK/2xB2	1xANK/5xB2/2xC	1xANK/3xB2	1xANK/7xB2/2xC
422 x 164	78 x 250	164 x 250	78 x 336	164 x 336
467 x 209	123 x 260	209 x 295	123 x 346	209 x 381

6.000 l - VSF 606	1.800 l - VSF 607	3.600 l - VSF 608	2.400 l - VSF 612	4.800 l - VSF 613
				
10 tanks	3 tanks	6 tanks	4 tanks	8 tanks







6,000 l - VSF 125
1xANK/2xB2/2xC/2xD/1xL2
336 x 306
381 x 351

6 tanks

4.500 l - VSF 25
1xANK/4xB2/2xC/1xL2
336 x 250
381 x 295

3.600 l - VSF 625

6 tanks

ROTEX variosafe, equipped with watersafe, Safe heating oil tanks for high flood-risk areas







1000 litres

Content/battery designation	1.000 l - WSF1001	2.000 l - WSF1002	3.000 l - WSF1003	4.000 l - WSF1004	5.000 l - WSF1005
Accessory sets per tank combination	1xWA	1x WA / 1x WB	3x WA / 1x VWS / VA-Oil / VAR1	4x WA / 1x VWS / VA-Oil / VAR1	5x WA / 1x VWS / VA-Oil / VAR1
Battery dimensions in cm	78 x 98	164 x 98	250 x 98	336 x 98	422 x 98
Room measurements in cm	120 x 143	209 x 143	295 x 143	381 x 143	467 x 143
					
	1 tank	2 tanks	3 tanks	4 tanks	5 tanks

750 litres

Content/battery designation	750 l - WSF751	1.500 l - WSF752	2.250 l - WSF753	3.000 l - WSF754	3.750 l - WSF755
Accessory sets per tank combination	1x WA	1x WA / 1x WB	3x WA / 1x VWS / VA-Oil / VAR1	4x WA / 1x VWS / VA-Oil / VAR1	5x WA / 1x VWS / VA-Oil / VAR1
Battery dimensions in cm	78 x 78	78 x 164	78 x 250	78 x 336	78 x 422
Room measurements in cm	123 x 123	123 x 209	123 x 295	123 x 381	123 x 467

600 litres

Content/battery designation	600 l - WSF601	1.200 l - WSF602	1.800 l - WSF603	2.400 l - WSF604	3.000 l - WSF605
Accessory sets per tank combination	1x WA	1x WA / 1x WB	3x WA / 1x VWS / VA-Oil / VAR1	4x WA / 1x VWS / VA-Oil / VAR1	5x WA / 1x VWS / VA-Oil / VAR1
Battery dimensions in cm	78 x 78	78 x 164	78 x 250	78 x 336	78 x 422
Room measurements in cm	123 x 123	123 x 209	123 x 295	123 x 381	123 x 467
					
	1 tank	2 tanks	3 tanks	4 tanks	5 tanks

Only german approval available.








ROTEX

variocistern

Rainwater storage tanks



		Type	Order No.	Price €
	ROTEx variocistern A 750 Basic tank element with supply DN 50 and overflow DN 100	750 l	190750	382,-
	ROTEx variocistern B 750 Extension storage tank with connection set (With KTW approval, price on application)	750 l	190751	325,-
	ROTEx variocistern A 1000 Basic tank element with supply DN 50 and overflow DN 100	1,000 l	191000	489,-
	ROTEx variocistern B 1000 Extension storage tank with connection set (With KTW approval, price on application)	1,000 l	191001	433,-
	Pump connection kit Including suction hose, crossing piece and float switch. as dry running protection. Cable length 5 m	PAS	193000	125,-
	Replenishment set For fresh water. Including float switch, solenoid valve and inlet funnel. Cable length 5 m.	NSF	193010	212,-
	Connection kit variocistern	VBS	193040	30,-
	Level indicator Fits filling opening EK 50 display in cm	IDEAL-S	193020	32,-

Madoka

The beauty of simplicity.



Silver
RAL 9006 (metallic)
BRC1HHDS



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW

User-friendly wired remote controller
with premium design

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



reddot award 2018
winner



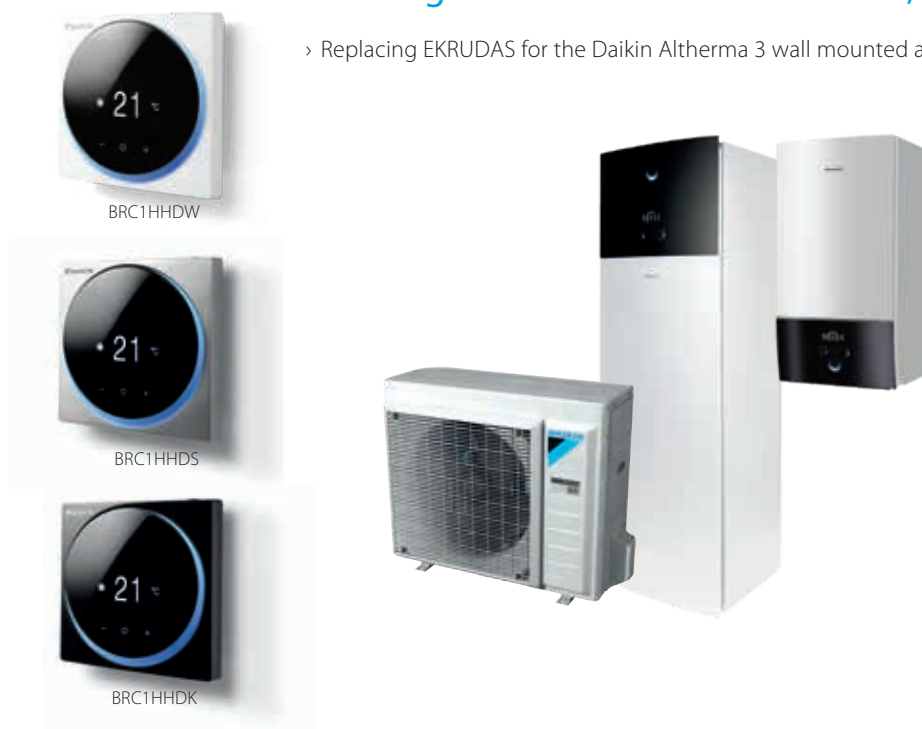
DESIGN
AWARD
2018

BRC1HHDW / BRC1HHDS / BRC1HHDK

Madoka wired remote controller for Daikin Altherma 3

A new generation of user interface, redesigned and intuitive

› Replacing EKRUDAS for the Daikin Altherma 3 wall mounted and floor standing:



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:

No matter your interior design, Madoka will match it. Silver gives an additional touch to stand out in any interior or application, while Black is an ideal 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.

Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store



www.daikin.eu/madoka

Always in control

Daikin Online Controller

The Daikin Online Controller application can control and monitor the status of your heating system and allows you to:

Monitor

- › The status of your heating system
- › Your energy consumption graphs*

Schedule

- › Schedule the set temperature* and operation mode with up to **6 actions per day for 7 days**
- › Enable **holiday mode**
- › View in intuitive mode

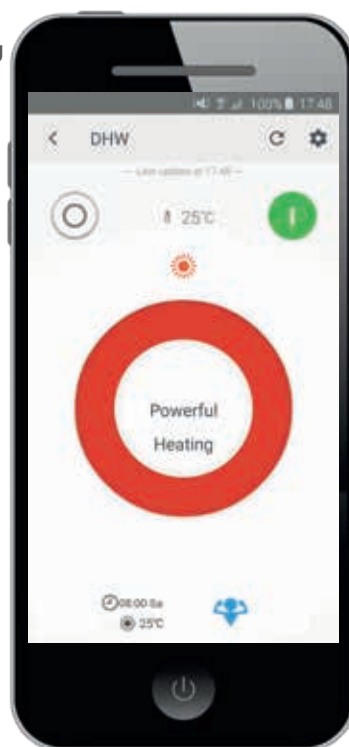
Control **

- › The **operation mode** and set temperature
- › Remotely control your system and domestic hot water

*Starting with ERGA-D

**Control via the app

- › Room thermostat control for space heating and domestic hot water
- › Leaving water temperature control for domestic hot water
- › External control for domestic hot water



Daikin Online Heating Control

The Daikin Online Control Heating app is a multifaceted programme that allows customers to control and monitor the status of their heating system.

Main features

- › 'Daikin Eye' (intuitive setting)
- › Tank temperature monitoring
- › Equipped with GDPR (data protection)
- › Remote firmware update of LAN Adapter
- › Control over multiple unit locations

Applicable Daikin units

- › Daikin Altherma low temperature split
- › Daikin Altherma low temperature monobloc (5-7 kW)
- › Daikin Altherma ground source heat pump
- › Daikin Altherma hybrid heat pump
- › Wall mounted gas condensing boiler D2CND
- › GCU compact

EKRUCBL*

Control

- › Manage space heating, cooling, 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

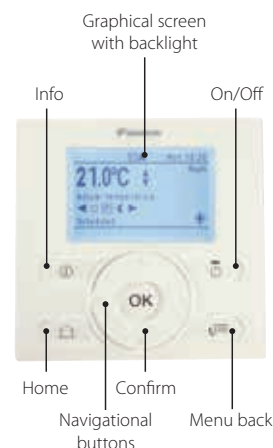
- › An additional user interface can include a room thermostat in the space to be heated
- › Easy commissioning: intuitive interface for advanced menu settings

General features

Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

- › Daikin Altherma low temperature split
 - Wall mounted
 - Floor standing
 - Monobloc (5-7 kW)
- › Daikin Altherma hybrid heat pump
- › Daikin Altherma ground source heat pump
- › Domestic hot water heat pump



* only in combination with EKRTEETS

System controller for Daikin Altherma

Control

Reduce installation time

- › Program all settings for an installation on a laptop computer and simply upload them to the controller during commissioning
- › Reuse similar settings for related installations

Improve service diagnostics and maintenance

- › The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

- › Raise or lower water temperature as a function of the actual room temperature
- › Manage energy consumption
- › Intuitive screen displays the output and input energy of the unit provide consumption transparency

General features

Weather depending floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.

Applicable Daikin units

- › Daikin Altherma low temperature monobloc (11-16 kW)
- › Daikin Altherma high temperature
- › Daikin Altherma Flex Type



EKRTR/EKRTW

Control

The LCD screen of the room thermostat presents the necessary information regarding the setting of the Daikin Altherma system.

Comfort

An external sensor (EKRTETS) can be placed between the underfloor heating and the floor, as an alternative to the wireless room thermostat.

General features

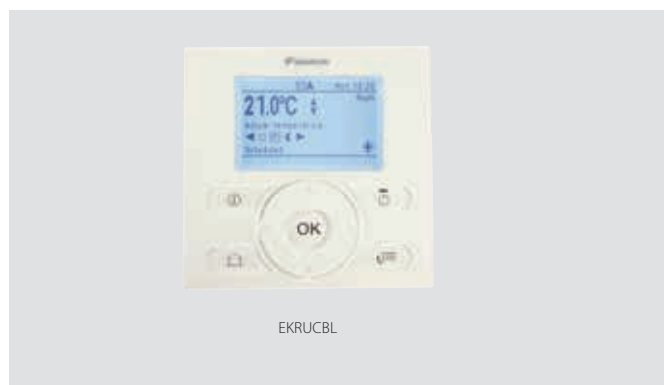
- › Set the temperature of the room based on measurements from the built-in or external sensor
- › Off function (with integrated frost-protection function)
- › Holiday function mode
- › Comfort and reduced function modes
- › Time (day and month)
- › Programmable weekly timer with 2 user defined and 5 preset programmes, with up to 12 actions per day
- › Keylock function
- › Set limits: the installer can change the upper and lower limits
- › Floor temperature protection

Applicable Daikin units

- › Combinable to all Daikin units



Wired remote control for Heating



EKRUCBL

Indoor unit		EKRUCBL/EKRUCBS	1	2	3	4	5	6	7	EKRUCBS
Control systems	Class of temperature control		VI							
	Contribution to seasonal space heating efficiency	%	4,0							

EKRTW/EKRTR

Wired remote control for Heating



EKRTWA

				EKRTR	EKRTWA
Dimensions	Unit	HeightxWidthxDepth	mm	-x-x-	87x125x34
	Thermostat	Height/Width/Depth	mm	87/125/34	-/-/-
	Receiver	Height/Width/Depth	mm	170/50/28	-/-/-
Weight	Unit		g	-	215
	Thermostat		g	210	-
	Receiver		g	125	-
Ambient temperature	Storage	Min./Max.	°C	-20/60	
	Operation	Min./Max.	°C	0/50	
Temperature setting range	Heating	Min./Max.	°C	4/37	
	Cooling	Min./Max.	°C	4/37	
Clock				Yes	
Regulation function				Proportional band	
Power supply	Voltage		V	-	Battery powered 3* AA-LR6 (alkaline)
	Thermostat	Voltage	V	Battery powered 3x AA-LRG (alkaline)	
	Receiver	Voltage	V	230	-
	Frequency		Hz	50	-
	Phase			1~	-
Connection	Type			-	Wired
	Thermostat			Wireless	-
	Receiver			Wired	-
Maximum distance to receiver	Indoor		m	approx. 30m	-
	Outdoor		m	approx. 100m	-
Control systems	Class of temperature control			IV	
	Contribution to seasonal space heating efficiency	%		2,0	



The low sound cover is the ideal and practical way to lower the sound of the Daikin Altherma outdoor unit. It allows for the unit to be in line with local regulations on sound emission or in the case of limited space, when the unit is installed close to a neighbouring property. With the use of this new Low Sound Cover, the sound performances of the Daikin Altherma outdoor units can be reduced with an additional -3 dB(A).



Sound reduction

- Reducing the emitted sound with -3 dB(A) which corresponds to more than 50% reduction of the sound level
- To use with Daikin Altherma ERGA-D or ERLQ-C outdoor units
- In night mode, the sound is reduced to less than 35 dB(A) at 3 metres.



Functional and modern outlook

The smooth and discrete design blends in with today's house architecture.



Safeguarded performance & warranty

- The installation of the low sound cover has no impact on the heating performances of your outdoor unit, only the noise is reduced.
- Your warranty remains unchanged.



Quick installation

- The low sound cover is delivered in a flat pack
- It can be installed over a floor or a wall mounted outdoor unit
- The cover can easily be assembled, based on a set of simple and straightforward instructions, delivered with the pack
- The installation of the low sound cover takes less than 20 minutes



Why Maintenance?



Peace of mind

Daikin Service and our Service Partner Network teams strive to develop smart services & solutions to exceed your expectations. Ensuring that your heating units are maintained by professionals gives you peace of mind!

Improved Safety

When a heating unit doesn't operate in optimal condition over longer periods of time, it could cause unsafe working conditions or accidents. Regular maintenance ensures the unit operates safely and complies with local regulations and requirements.

Full Legal Compliance

Knowing that your heating unit is maintained and serviced gives you the assurance all relevant legal requirements (e.g. F-gas regulation) are fulfilled.
REGULATION (EU) No 517/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006

Cost Savings

In the long run, maintenance is always cheaper than ad-hoc service interventions. Preventive maintenance allows you and Daikin to plan ahead and avoid rushed interventions. Our specialists will come prepared, thus avoiding repeated visits and extra interruptions.

Another benefit is the clear and transparent costs which can easily be budgeted, as well as clear and well-founded lifecycle reports which indicate future needs and requirements to be considered well in advance. Over time this reduces the Total Cost of Ownership (TCO) and related operational costs.

Minimized System Downtime

Scheduled care visits are transparent and easy to plan which gives sufficient time to find suitable dates for visits to avoid impact on production or comfort. A well-maintained heating unit is less likely to fail during high season. Keeping a unit up-to-date on all inspections and maintenance checks means less worry that the unit will break down when it is needed the most.

Increased System Efficiency

Regular maintenance of a heating unit ensures that electricity costs and performance are not jeopardized, and that the safety features and the integrity of the heating unit in line with the latest standards and regulations.



Routine maintenance such as inspections, oil and fluid changes, part replacements and other little fixes can help your heating unit runs much more efficiently. In turn, you will benefit from fuel and energy savings because the heating unit will be running at peak performance.

Emergency Call-out

In case your heating unit should still break down, all Daikin Care packages include access to a hotline number for emergency call-out. Preventive and Extended Care also include Emergency Service Hotline access outside of regular office hours.

Genuine Spare Parts, Tools and Equipment

The spare parts used by Daikin Service or our Service Partner Network are all certified by Daikin, which means that the risk of failure and disturbances can be reduced while ensuring that the warranty is valid.

In case opening, overhaul or repair is needed, Daikin as an OEM manufacturer has all the original tools, casts and equipment to ensure the repair is carried out according to factory recommendations and will keep your equipment up and running.

Daikin uses advanced service tools when we care for our heating units. These tools are not found on the open market and they facilitate advanced troubleshooting and reporting to be done to ensure that the heating unit is optimized and parametrised correctly as well as verifying the integrity of the heating unit.

Attractive Modernisation Solutions

Daikin also offers attractive modernisation solutions (retrofit or full replacement) for a range of older heating units. In the case of retrofit, core parts of the heating unit will be replaced to ensure it can run for many more years. Using Daikin certified retrofit solutions from Daikin or Daikin Certified Partners allow you to enjoy the benefits of reduced operating costs, no need to refurbish or reinstall and will include an attractive warranty policy if performed under a care agreement.





Saving energy doesn't stop with the purchase or installation of energy-efficient equipment; it has to be kept running under optimum conditions.

Good maintenance and servicing are key elements in ensuring the maximum performance.

Are you sure the filters are clean and none of the components are defective?
Are all of your settings correct?

Any of these things may lead to a reduced level of comfort. And while you may not notice the difference right away, you will certainly notice it at the end of the year – when you pay your energy bill.

Our Daikin design team is constantly striving to improve the energy efficiency of our systems.

We at Daikin Service are here to support you in keeping your units up and running efficiently by means of optimised commissioning and start-up, regular and preventative maintenance, remote monitoring, improving the performance of units, and providing cost effective upgrades to benefit from the efficiency gains from our latest state of the art technology.

Optimisation and upgrades



European Remote Monitoring Center



Upgrading / optimisation

Keep the installation in top condition



Care Packages

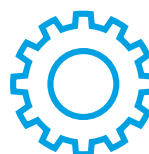


Installation support



Commissioning

Parts and repairs



Spare parts



Repair service

Commissioning

To guarantee your Daikin unit efficiency and long term performance, Daikin offers the **professional start-up of your Daikin system** by highly qualified, OEM educated engineers as part of the commissioning services.

Commissioning through an authorized Partner or by Daikin itself assures you that your unit is working as it should and is delivering all the benefits of a unique climate.

Every commissioning is documented as per Daikin standard and a detailed commissioning report is provided, detailing all activities done and recording the functioning of the units.



The prices listed are based on completion of the Pre-Commissioning checklist which covers a range of core activities including the general conditions at the site, provision of power and the required electrical distribution as well as installation related topics. This ensures that the service can be provided efficiently, on time and giving the best results. For the latest edition of the Pre-Commissioning checklist please visit: www.daikin-ce.com

Description	Material Number	Price €
Commissioning ground source heat pump	CE.S_COM_GROUND	on request
Commissioning Hybrid heat pump	CE.S_COM_HYBRID	on request
Commissioning Solar	CE.S_COM_SOLAR	on request
Commissioning Monosplit	CE.S_COM_SPMON	on request
Commissioning Multisplit up to 3 I/U	CE.S_COM_SPMUL3	on request
Commissioning Multisplit up to 5 I/U	CE.S_COM_SPMUL5	on request
Commissioning LT Split heat pump	CE.S_COM_HPSPLIT	on request
Commissioning HT heat pump	CE.S_COM_HPHT	on request
Commissioning LT monobloc heat pump	CE.S_COM_HPMON	on request
Commissioning accessories	CE.S_COM_ACC	on request
Commissioning boiler	CE.S_COM_BOIL	on request
Additional Services & Materials		
On Request		on request
Labour rates		
Labour hour heating service engineer	CE.S_LA_HOUR_HE	on request
Labour hour service engineer +50%	CE.S_LA_HOUR50	on request
Labour hour service engineer +100%	CE.S_LA_HOUR100	on request
Labour hour service foreman	CE.S_LA_FOR	on request
Labour hour project design	CE.S_LA_PRO	on request
Normal working hours without surcharge	MON – THU: 08:00-17:00, FRI: 08:00-12:00	
50% surcharge	MON – FRI: 07:00-08:00 and 17:00-20:00,SAT: 07:00-20:00	
100% surcharge	Before 07:00 and after 20:00 and on Sundays and holidays	
Travel Costs (not including parking, highway tolls etc)		
Cost allowance per km	CE.S_TR_KM_AL	on request
Flat travel fee per case	CE.S_TR_CASE	on request
Special travel cost (plane, ferry...)	CE.S_TR_SPEC	on request
Travel zone 1	CE.S_TR_Z1	on request
Travel zone 2	CE.S_TR_Z2	on request
Travel zone 3	CE.S_TR_Z3	on request
Travel zone 4	CE.S_TR_Z4	on request
Hourly rate for car travel	CE.S_TR_HOUR	on request
Cancellation		
Failed travel (customer fault)	CE.S_COM_FAILTRAV	50% of planned activity
Training		
Full day Training per person per day (minimum 5 participants)	CE.S_LA_TRA	on request

NOTE:

The listed prices are subject to change and might change without prior notification.

Note that the prices are to be understood as NET prices without VAT and travel.

The listed prices are based on order confirmation minimum 10 days before commencement of work.

Maintenance

Maintenance is the key element to ensure the quality, efficiency and flawless operation of any asset. Our Care agreements are based on years of experience to ensure you reap the full benefits of having Daikin Certified engineers maintain your equipment.

- Be prepared for the cold season
- Lower energy bill & CO₂ emissions
- Ensure silent operation

Regular care safeguards your investment for the full lifetime of the Daikin System. Downtime and failures are avoided, while keeping

operating costs low, as they should be throughout the entire system lifecycle.

Preventive care plans give you cost transparency avoiding unexpected repair costs or degradation of comfort, quality or production loss. Our Care packages also include a comprehensive test of the unit using special Daikin developed diagnostic software to check for leaks and trouble spots.

Daikin Care is a carefully crafted program developed using our long experience and our certified partners throughout Europe to learn from all kind of climates and possible issues.



The care program also ensures that the unit is tested according to the applicable F-Gas regulations §22, and to the Clean air regulation for Combustion.

The care packages are available for:

- Residential / Commercial owners of Daikin Heating appliances
- Home owners with Daikin Heating
- Tenants using Daikin Heating

Daikin Cares contains 3 different levels of maintenance agreements catering to your every need. In addition to these 3 Care packages Daikin offers a comprehensive set of options you can choose from.

1. Care:

Care is the minimal requirement to have a valid warranty, and makes sure your heat pump is operating in a correct fashion and according to parameters.

- The Care package includes the following services:
- Inspections based on predefined activities
- Soft- and firmware upgrades as needed and if required
- Validated Log book according to §22

2. Preventive Care:

Preventive Care keeps the heat pump in optimal condition for a long time.

In addition to the maintenance activities included in the Care package, Preventive Care includes:

- Service based on predefined activities
- Cleaning of the heat exchangers
- On-site system diagnostic and/or analysis during service intervention
- Cleaning or change of filters, water and air side (as applicable)
- Comprehensive, predictive status & measurement report
- Recorded, retrievable service history of each unit
- Emergency support & callout
- Access to technical assistance and repair service

3. Extended Care:

Extended Care provides maximum equipment availability at the minimum Total Cost of Ownership.

In addition to the activities mentioned in the Preventive care package, Extended Care includes:

- Labor- & travel cost, spare parts for planned maintenances are included
- Labor- & travel cost, spare parts for repairs are included
- Filters, spare parts and refrigerant are included
- Extension of warranty

Options:

- Energy audit & report
- Specialist support and consultancy

Description	Care	Preventive Care	Extended Care
Maintenance Boiler	on request	on request	on request
Maintenance Ground source heat pump	on request	on request	on request
Maintenance HT heat pump	on request	on request	on request
Maintenance LT monobloc heat pump	on request	on request	on request
Maintenance LT Split heat pump	on request	on request	on request
Maintenance Hybrid heat pump	on request	on request	on request
Maintenance Solar	on request	on request	on request

Options

Description	Per Hour			
Specialist support and consultancy	on request			
Emergency support	Monday-Friday 17-22h		Weekend, Holiday, Nights	
	on request		on request	
Call out Time (48h included in PR. and EX. CARE)	Call out Time 24h	Call out Time 16h	Call out Time 8h	Call out Time 4h
	on request	on request	on request	on request

NOTE:

The listed prices are subject to change and might change without prior notification. Note that the prices are to be understood as NET prices without VAT and travel. The listed prices are based on order confirmation minimum 10 days before commencement of work.

Service

E-Parts

Find the correct spare part for your Daikin unit, check availability (real-time) and order online.

All in just a few simple steps.

Your benefits:

- › fast handling
- › free shipment
- › 24/7 accessibility
- › flexible delivery
- › "real time" availability

Register now to use the E-Parts service

- Create access for you and your colleagues.
- Simply go to my.daikin.eu
 - download the registration form
 - fill it in
 - and email it back to your local Daikin office

Always accessible for you

You can find the links to E-Parts and to the spareparts bank on our Business Portal:

<http://eparts.daikin-ce.com>
<https://my.daikin.eu>



Service Academy

The Daikin Service Academy offers individual learning paths covering all service cases for Daikin products. Our goal is to help you delivering better Service on site and therefore grow your business.

Goals & Objectives

With the Daikin Service Academy we want to offer a uniform European learning program for service technicians (internal & external) to become the best of the best.

- Ensure that our partners have skilled labour available
- Enable and deliver high quality Service to our end users
- Enhance performance and efficiency, using
 - less time for service interventions
- Improve quality and hence customer satisfaction on site
- Foster career paths to keep service technicians in the HVAC-R industry
- Offer trainings in local language wherever possible

Our training packages cover following areas:

- Installation & Pre-Commissioning
- Commissioning
- Maintenance
- Troubleshooting & Repair
- Application & Design



Want to know more?

Please contact us for more information about the Daikin Academy Central Europe: academy@daikin-ce.com

Remote Monitoring Services

The latest technology matched with superb service to improve the efficiency and reliability of your HVAC-R installation.

Connected air conditioning works smarter. We offer several ways to manage your products and installations remotely. From performance monitoring to predictive logic and analyses and more, our Intelligent Network is a cost-efficient way to increase the security, uptime and reliability of your installation.



Analytics

Data is our raw material, and data analytics is our product. The continuous monitoring and analysis of a system's operating data is not only the key to ensuring efficient operation, cutting operating and maintenance costs and optimizing user comfort. Data analysis also provides further valuable and often surprising insights.



Hassle-free connection

We know that connecting a system to the cloud can often be a real challenge – but that's no longer your problem. We'll take care of the connection, including the mobile network and the router, both of which are remotely monitored to maximize infrastructure reliability.



Daikin Cloud Service

Our web-based service provides reliable and secure remote monitoring. Our top priority is to earn your trust. Daikin Cloud Service meets the highest security standards in all respects – safeguarding your data privacy as well as transporting and storing your data securely at all times.

The benefits of remote monitoring



Remote control

Daikin Cloud Service is a web-based remote monitoring and control solution for HVAC systems that can even manage the energy consumption of several buildings at once. There's no need to install any special software. Everything is accessible using a standard browser, whether via a computer or a mobile device.



No potential problem goes unnoticed

What's more, Daikin Cloud Service provides automatic notification if it detects a possible malfunction. This unique predictive notification feature enables service measures to be initiated even before the user notices that a problem has arisen – thus maximizing reliability and minimizing service costs.



Maximum performance

The performance of even the best system can be impaired if it is not properly operated. Continuous monitoring allows load profiles, usage patterns and operating conditions to be closely followed. The data obtained is the basis for optimizing a system's operation and maintenance as well as its return on investment.



Real case

Real life examples, how continuous monitoring and data analysis could be useful:



-20%

Lower VRV consumption

Thanks to analysis of the VRV systems energy consumption data, we could provide the recommendation, how to change the usage pattern. The result was 20% reduction of electricity costs for cooling and about 15% in heating.



30%

Higher outlet temperature

Thanks to operation data analysis, we identified the possible comfort issues. Following operation assessment provided the base for taking the countermeasures to increase their comfort.



40%

Spare refrigeration capacity

Long term monitoring of the Conveni pack, identified that the client has a 40% spare refrigeration capacity. This allowed to reduce the number of installed devices and thus save the investment costs.



-20%

Lower investment costs

Operation data analysis of the old VRV system confirmed, that the replacement capacity and system layout could be optimized. This allowed to decrease investment costs of the replacement system and to resolve comfort issues.

Commercial terms and conditions

(Last update: Jan 2019)

These commercial terms and conditions (hereinafter 'Terms') shall apply to all of our offers, deliveries and services to companies (B2B) in Slovenia. Part I shall apply to deliveries of goods. Part II shall apply to services by our customer service. Any individual agreements deviating from these Terms shall be valid only if confirmed by us in writing and duly signed. Any informal statements are invalid. Any commercial terms and conditions of the ordering party shall not be applicable. Acceptance of the goods is in any event deemed to constitute acknowledgment of our Terms. Our customer services to consumers (B2C) shall be subject to separate commercial terms and conditions. Our commercial terms and conditions can be found at www.daikin-ce.com.

I. COMMERCIAL TERMS AND CONDITIONS FOR DELIVERIES OF GOODS

1. OFFER

Our offers are without engagement and non-binding. Any representation of models and any information about dimensions, weights and technical data are non-binding and subject to production-related and model-related changes. Such changes shall not constitute a defect.

2. PLACING OF AN ORDER, CHANGE OF THE DELIVERABLE

- Orders must be placed in writing (by letter, fax or email or online ordering system). When Daikin confirms receipt of the order, this does not constitute an acceptance of the order. We are deemed to have accepted an order not until after we have explicitly confirmed acceptance in writing or actually executed that order. Any arrangement and agreement reached verbally and by phone must be confirmed in writing.
- We reserve the right to rescind the contract even after having accepted an order if information we have obtained about the customer's liquidity in the meantime suggests that the customer will not be able to pay for the entire or for part of the order.
- Having accepted an order, we also reserve the right to change and improve the deliverable, e.g. in respect of its type and design, to the extent the customer can be reasonably expected to accept such changes and improvements in consideration of our interests (e.g. delivery of an equivalent or more sophisticated device). Such changes and improvements are deemed approved in advance.
- The customer's cancellation or change of an entire or part of an order requires our written consent and entitles us to charge the customer - in addition to the services already provided and costs accrued - a (cancellation) fee equal to 20 % of the order value and at least € 250. For certain product groups, which are manufactured on the basis of a specific order, (e.g. multiple scroll, screw chiller, AHU etc), separate cancellation rules apply, which can be found at www.daikin-ce.com.

3. PRICES AND TERMS OF PAYMENT

- Prices are based on the price list, as amended from time to time, which is usually issued once a year. We reserve the right to change prices also during the year.
- Prices are understood to be net prices without any taxes, duties or charges in the quoted currency including packaging, unless otherwise indicated. We will not take back packaging and packing material.
- We will not accept any objections to invoices which are received more than two weeks after receipt of an invoice. Unless otherwise indicated, invoices are due net 30 days from the invoice date; the payment date is the date on which a payment is received by us. In case of late payment, we will charge default interest at a rate of 12% p.a. In case of default, we may also demand all costs related to the collection of our claim, including, without limitation, dunning and collection charges.
- If payment by instalments has been agreed, the maturity date will be accelerated if the customer is in default in respect of only one instalment.
- We may make deliveries dependent on advance payment.
- The customer may not withhold or offset payments in reliance on warranty or other claims.

4. DELIVERY TIME

- Indicated delivery times are non-binding and for reference only, although we endeavour to meet indicated deadlines. The customer has no right to insist on compliance with a certain delivery time. As a consequence, delays in delivery will not entail any claims for damages and do not entitle the customer to rescind the contract. The same holds true if delivery deadlines are not met due to force majeure, strike or other events outside our control.
- We will not accept penalty claims asserted by the customer under any circumstances.
- Partial deliveries are permitted.
- If the ordering party is in arrears on an earlier delivery, Daikin may withhold deliveries pending payment of the earlier delivery and is not required to pay to the ordering party any damages in this respect.

5. ACCEPTANCE OF DELIVERIES, TRANSFER OF RISK, DELAYED ACCEPTANCE

- Unless otherwise agreed, deliveries are made CIP (Incoterms 2010) to the named destination.
- In principle, delivery CIP covers only minimum transport insurance. Additional transport insurance will be purchased only if explicitly requested by customer and subject to a separate agreement and at the customer's cost and expense.
- The customer must immediately check deliverables received by him or directly by his customers for any transport damage and he must record any damage to the packaging or the device in the delivery note and shall refuse delivery towards the forwarding agent. If the customer finds out only later that goods are damaged, the customer shall report any such damage to us immediately, in no case later than three working days after delivery; otherwise, any insurance claim may expire.
- If the customer is in delay with acceptance, we - notwithstanding our other rights - may charge the goods as delivered or may otherwise dispose of them without setting a time limit. If we otherwise dispose of the goods, the delivery time will recommence on the day we receive the customer's written request calling for delivery of the goods.
- We may charge the customer for any costs incurred due to late acceptance, including, without limitation, any storage costs, waiting periods, etc..

6. RESERVATION OF TITLE

- We will retain title to goods delivered pending full payment of all claims arising from our business relationship with the customer, even if the purchase price for specifically designated claims was paid. If our conditional goods are processed, we will acquire title to the new item without consideration. If the goods delivered by us are mixed, processed or combined with other items, the customer hereby assigns to us in

proportion of the value of our invoices an ownership or co-ownership right of the combined or new item, both in respect of the interim and the final products.

- The customer may resell goods delivered by us and the items created by processing, mixing or combining these only in the ordinary course of business. The customer hereby assigns to us any claims arising from such resale or from any other legal ground toward third parties, including, ancillary rights, in order to secure our - future - claims that may arise from our business relationship. The customer must record the assignment of these claims in his books not later than when the goods are resold.
- Before having paid the purchase price of an item, the customer may resell that item only if he simultaneously informs the second buyer (end customer) that the resale proceeds have previously been assigned.
- The customer may collect the assigned claims as long as he fulfils his payment obligations towards us according to the terms of the contract. The customer may not otherwise dispose of the conditional goods (e.g.: transfer of property by way of security, pledging).
- The customer must immediately inform us of any attachment or other impairment of the conditional goods and/or the assigned claims and explain to the third party that we have retained title to those goods. Any related cost will be borne by the customer.

7. WARRANTY

Unless otherwise agreed and excluding any further claims, we warrant for any defects and the absence of warranted qualities of the goods at the time of delivery as follows:

- Unless otherwise indicated below, the warranty period is 36 months of the delivery date (delivery to the forwarding agent). The customer bears the burden of proof that a defect had existed already at the time of delivery.
- The customer may assert a warranty claim only if the equipment is both installed and put into operation by Daikin or a company trained and authorized by Daikin according to the Daikin installation instructions and regularly maintained according to the Daikin service notes and/or operation instructions.
- No warranty and/or liability is accepted, unless the customer reports visible defects by giving written notice within 3 working days of delivery and any other defects are reported without delay after initial discovery.
- For Products qualified to be registered in our Stand By Me system, like Split systems and Altherma Heat Pumps, the warranty period is only 24 month after the commissioning date but maximum 30 month after the delivery date (whatever applies first).
- Unless specifically agreed, Goods branded as "Daikin Applied Systems", "Zanotti", "J&E Hall International for Daikin", "Tewis", "Hubbard", "Dadanko" among others, which are typically manufactured on the basis of a specific order, such as chillers, applied heat pumps, condensing units (equipped with scroll, screw or centrifugal compressor), Air handling units (AHU), refrigeration condensing units and Marine units include a 12-month warranty period, provided that the machine was put into operation by Daikin itself or by a company & person certified by Daikin. Goods branded as "Luvu" and "Guntner" such as air-coolers, evaporators, condensers and related options and accessories generally include a 24 month warranty period.
- For "Rotex" branded products generally a 24-month warranty period is valid except for following variations: 10 years for underfloor heating pipes and system plates, VA-piping and varisafe oil storage tanks. 5 years for solar panels, variosystem and highcube oil tanks and variocistern rainwater tanks. 3 years for hot water storage tanks HYC, SCS and SC.
- In a warranty event, we undertake, at our discretion, to repair the defective goods or components or to make available faultless goods or components. There are no other warranty remedies or claims whatsoever. Labour cost, travel times, supplies, such as, refrigerant, freezing agents, glycol and lubricants, or other costs (e.g. for installation, retrofitting) will not be reimbursed.
- Daikin, at its own discretion, can provide software and/or Hardware updates from time to time. Updates may include error corrections, improvements as well as upgrades and enhancements. Updates are provided to the customer in machine-readable and installable form, including installation instructions. The customer is required to install updates at his own cost and expense within a reasonable period of time. Any damage caused by a failure to install updates shall be the customer's sole responsibility, and Daikin does not accept any liability nor warranty due to the failure to update a unit.
- In addition to paragraphs 2 to 3, no warranty and/or liability is accepted for defects that have been caused by inadequate or improper use or treatment, failure to observe operating conditions or maintenance instructions, excessive use or inadequate operating materials or substitute materials or spare parts not provided by Daikin. In addition, no warranty is accepted for usual wear and tear of wearing parts, including, but not limited to, filters, burner nozzles, carbon brushes of engines, couplings, electrodes, protection anodes, UV probes, grids, oil or other consumables.
- Unless we are granted the required time and opportunity to take all necessary warranty measures, we are released from any warranty claims and damages. If the customer continues to use defective goods, we warrant and/or are liable only for the original defect. We will not reimburse any cost of repairs which are carried out without our express prior consent. We disclaim any liability for the consequences of such repairs.
- The warranty period for spare parts and other improvements is 6 months after delivery (delivery to the forwarding agent).
- If a defect is remedied, the warranty period will not recommence for the replaced or repaired components.
- We may refuse to remedy defects as long as the customer is in default with his payment obligations.
- If third-party products are delivered and installed, warranty is restricted to assigning the warranty claims we may assert against the supplier of the third-party product. The customer may not assert any other warranty claims and does not qualify for any claims for a price reduction.
- Daikin may request that parts claimed in Warranty Claims as malfunctioning be provided for detailed investigation, this includes broken, defective or assumed damaged goods, parts or systems. In cases where the investigation reveals the warranty claim is unfounded and the warranty is rejected (e.g. part was damaged by external factors, lack of maintenance, part is working properly, etc.) investigation and/or shipment fees may apply.

8. LIABILITY

We are liable for damage only if we demonstrably acted with intent or gross negligence. We disclaim any liability for slight negligence. We are particularly not liable for

consequential damage (e.g. idle times due to wrong deliveries) and financial loss, lost profit, unachieved savings, loss of interest and any damage suffered from third-party claims against the customer, unless the foregoing is attributable to our intent or gross negligence. If damage is attributable to the defective condition of goods delivered to us, we are liable only to the extent the producer or upstream supplier is liable to us. Our liability does in any case not exceed the invoice value of the incriminated goods.

9. RETURNED GOODS

1. Goods can be returned and exchanged only upon our express and written consent. We accept returned goods only with a minimum net value of € 100.00 per item and a maximum net value of € 50,000.00 per item and only provided that those goods are not damaged, have not been used, are in original packaging and are fit for resale. In particular, returns of already installed units (including chillers) and returns of any made to order units as well as spare parts are not permitted.
2. The customer shall complete the "Request for Goods Return" form (available at the Daikin Business Portal <https://my.daikin.eu>) and send it to us to the fax number or email address provided by us within 10 calendar days after delivery, otherwise we will not accept the return.
3. Goods must be returned freight paid at the risk of customer to the destination indicated by us.
4. In every case of a return, a maximum of 80% of the net price charged by us to the customer will be credited. All standard returns will be subject to a restocking / administration charge of 20 % of the net price.
5. All returns will be inspected by us. If goods are returned wrongly (i.e. not in compliance with paragraph 1. Above), we may refuse the returns and have them returned back to the customer at the customer's risk and costs. Alternatively, we may charge a higher restocking / administration fee than the above mentioned 20%.
6. Credit notes of any nature whatsoever will exclusively be offset against future deliveries.

10. INSTALLATION

It is the responsibility of the customer to install and commission the goods and to ensure its employees, agents and subcontractors or any other persons used by the customer to install and commission the goods are fully trained to do so and that the terms of any instructions or manuals provided with the goods are followed.

11. ENVIRONMENT, LICENCES

1. The customer shall be responsible for all costs, charges, and expenses arising from or in connection with the decommissioning, recovery, recycling and disposal of all or part of the goods and shall not seek to recover such expenses or contribution from us.
2. The customer is responsible for obtaining and complying with all relevant licenses, permissions, permits and consents from appropriate regulatory bodies and for complying with any other lawful authority in connection with the storage, installation, operation, use, maintenance, repair, transportation, decommissioning, recovery and eventual disposal of the goods.
3. Where the customer sells all or part of the goods to another party, the customer may enter into a similar covenant with that party.

12. CONFIDENTIALITY

1. All information and/or advice, whether written or oral, whether in relation to the goods or to our business, given by us to the customer, shall not be disclosed to any third party without our prior written consent, save to the extent that such information and/or advice is in the public domain otherwise than by virtue of a breach of this condition or that the disclosure is required by law.
2. The customer shall promptly give notice to us of any disclosure required by law and we may seek an appropriate remedy to prevent such disclosure. The customer undertakes to fully co-operate with us (at the customer's own expense) if we reject the validity of such a requirement.

13. INTELLECTUAL PROPERTY RIGHTS

1. The customer shall have no rights to any intellectual property owned by or licensed to us.
2. The customer shall not allow any trademark or instruction or warning applied to the goods to be obliterated or obscured.
3. All designs, samples, models, experimental equipment, marketing devices, accessories and other items relating to the goods or their development or creation shall remain our property, shall be treated as confidential and shall not be copied, reproduced or disclosed to any person without our prior written consent.

14. PERSONAL DATA

1. The customer's personal data, which we received on the occasion of an order, will be electronically stored and processed for the purposes of fulfilling the order, providing goods and services to the customer, managing the relationship with the customer, for our internal accounting and processes and for legal or regulatory purposes. For some of these purposes we may need to share the customer's data with third parties but we always ensure that the data are kept confidential and protected by third parties.
2. The customer agrees that we may ask credit reference agencies and/or credit insurance or collection companies to run credit searches or checks against the customer in order to assess the customer's financial performance and that we may pass on the customer information (name, address, contact details, name of owner, order details, order history, payment behavior, customer balance) to companies such as Atradius Credit Insurance N.V., Zweigniederlassung Österreich, CRIF GmbH, Österreich, Akzeptia Inkasso GmbH or others for this purpose.
3. The customer further agrees that we and other members of our group (as mentioned at www.daikin.com) may use the customer's personal data (name, address, contact details, order details and history) also for our own marketing purposes and contact the customer by phone, e-mail or SMS or other messaging service about our products and services which may be of interest to the customer. The customer may revoke his consent at any time. For details and specific applications e refer to our b2b & b2c privacy policy which can be found at www.daikin-ce.com.

15. PLACE OF JURISDICTION, APPLICABLE LAW

1. All disputes arising from or in connection with this Agreement shall be exclusively referred to the courts in Vienna.
2. All contracts concluded by us and all disputes arising in connection with those contracts shall be governed by and construed in accordance with Austrian law without giving effect to its conflict of law rules and the UN Sales Convention.

16. SEVERABILITY

Should any term of these commercial terms and conditions or of the contract concluded between us and the customer be invalid or ineffective, this shall not affect the remaining terms hereof or thereof. Invalid terms shall be replaced by lawful terms which closest reflect the parties' intent.

II. COMMERCIAL TERMS AND CONDITIONS FOR SERVICES

The following conditions shall apply to services provided by our customer service, such as installation, putting into operation, inspection and troubleshooting, repair and maintenance.

1. SCOPE OF SERVICES

1. The precise scope of service results from our written offer or our written confirmation of order. Any additional services not expressly indicated in the offer and/or the confirmation of order and provided by us on the customer's request will be charged separately pursuant to our applicable price list. The same shall apply if an on-site inspection provides that further services are required.
2. In case of remote monitoring units, our customer service will take action only if instructed by the customer or that such action is agreed upfront in writing.
3. We provide services only for the equipment and unit components delivered and/or produced by us. The scope of services therefore does not include a test of third-party components, a leak test of supply pipes created by the customer, a test of electric supply and/or connection lines, a hydraulic adjustment of the unit. In case of units consisting of third components, our services do not include an inspection of the entire unit. We will in particular not check whether the unit is complete and whether its safety devices are consistent with pertinent regulations and the state of the art.
4. We are not required to check whether information provided and documents (e.g. descriptions of units, schemes) supplied by the customer are correct.

2. COST ESTIMATES

1. Cost estimates are non-binding and without engagement.
2. If we provided a cost estimate or a package offer, we will obtain prior consent by the customer in respect of any necessary additional work that can only be identified upon execution, is required to create operability and exceeds 10% of the sum total.

3. DUTIES TO COOPERATE

1. The customer shall ensure that any cooperation required for the provision of services owed by us is granted timely and free of charge.
2. The customer shall in particular grant access to the units as required. The customer shall provide at the customer's own cost and expense all necessary technical requirements (e.g. power supply), unless such requirements are to be provided by us under a special agreement. The customer shall ensure that the respective operating site is sufficiently lit. If required, the customer shall provide ladders and scaffolding to enable our employees to easily access the site safely. The operating site must be easily accessible with a customer service vehicle.
3. The customer shall provide all necessary information and documents to enable a smooth provision of the agreed services. Before the provision of services commences, the customer shall in particular disclose any change made by the customer or third parties to standard settings, the control system and other parameters as well as any damage to the unit the customer is aware of.
4. When a unit is put into operation, the customer shall also provide the requirements referred to in our related conditions.
5. If the customer does not properly cooperate, we may discontinue our work. In addition, the customer shall bear all related extra costs, including idle times of our employees who cannot be used otherwise on short notice, as well as any costs for additional travel time, based on the applicable prices of our price list.

4. PRICES AND TERMS OF PAYMENT

1. Prices for services are based on the service price list applicable when an order is placed, unless our written offer provides otherwise.
2. Services will generally be charged based on time actually spent at the agreed hourly rates plus travel expenses based on flat fees or time actually spent (km and time).
3. Our regular service hours are from Mon-Fri from 08.30 to 16.30. A 50% surcharge on regular compensation will be charged outside such service times. A 100% surcharge on compensation will be charged for work provided on Sundays, public holidays and from 20.00 to 07.00.
4. Spare parts will be charged on the basis of the price list applicable on the date of replacement of a unit component. We shall retain title to spare parts pending full payment of an invoice.
5. Invoices will be issued after performance of service, or upon mutual written agreement.
6. If an order is cancelled by the customer, or the site/unit is inaccessible or unavailable the customer will be charged 50% of the order value plus travel expenses, but at least EUR 250.00.
7. Unless otherwise indicated, invoices shall be due and payable without deduction immediately after invoicing.
8. Otherwise, Section 3 (Prices and Terms of Payment) of our terms and conditions of sale shall apply mutatis mutandis.

5. WARRANTY

1. We warrant for the diligent, professional provision of services. All services will be provided by qualified personnel.
2. No warranty is accepted, unless the customer gives written notice of visible defects within 3 working days of performance of the service and of any other defects without delay after initial discovery.
3. Otherwise, Section 7 (Warranty) of our terms and conditions of sale shall apply mutatis mutandis.

6. MISCELLANEOUS

Unless otherwise provided herein, the provisions of our terms and conditions of sale, especially those concerning delivery times, reservation of title, liability, environment and licenses, personal data, jurisdiction and applicable law shall apply to services mutatis mutandis.

The Daikin Commercial terms and conditions are also available in the internet at www.daikin.si/t&c

DAIKIN AIRCONDITIONING CENTRAL EUROPE HandelsgmbH

campus 21, Europaring F12/402, A-2345 Brunn am Gebirge · Tel.: +43 / 2236 / 32557 · Fax: +43 / 2236 / 32557-910 · e-mail: office@daikin.si · www.daikin.si



BLUEvolution

The new generation Daikin Altherma 3

High performance - The 3rd Generation of Daikin Altherma is taking you beyond the imaginable with its performance: A+++ Seasonal efficiency and operation range down to -25°C.

Easy to install - The floor standing unit only has a 0,37 m² footprint and you can choose for white or silver-grey colour.

Easy to control - Fully digital, the Daikin Altherma 3 can be controlled from everywhere with an app or a home control system.

For more information: www.daikin.eu

DAIKIN AIRCONDITIONING CENTRAL EUROPE HandelsgmbH

campus 21, Europaring F12/402, A-2345 Brunn am Gebirge · Tel.: +43 / 2236 / 32557 · Fax: +43 / 2236 / 32557-910 · e-mail: office@daikin.si · www.daikin.si

Daikin products are distributed by:



qualityaustria

SYSTEM CERTIFIED
ISO 14001:2015
ISO 9001:2015



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. / Daikin Central Europe HandelsGmbH. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH have compiled the content of this publication to the best of their knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

DACE Heating Pricelist 2019-2020 for Slovenia | Version March 2019
We reserve the right for printing errors and model changes



Pricelist 2019-2020 Heating