

Daikin Altherma 3 R

Product leaflet 2022



The heat pump standard, upgraded



ERGA-EV(H)(7) series

Why choose

Daikin Altherma air-to-water heat pump?

How does it work?

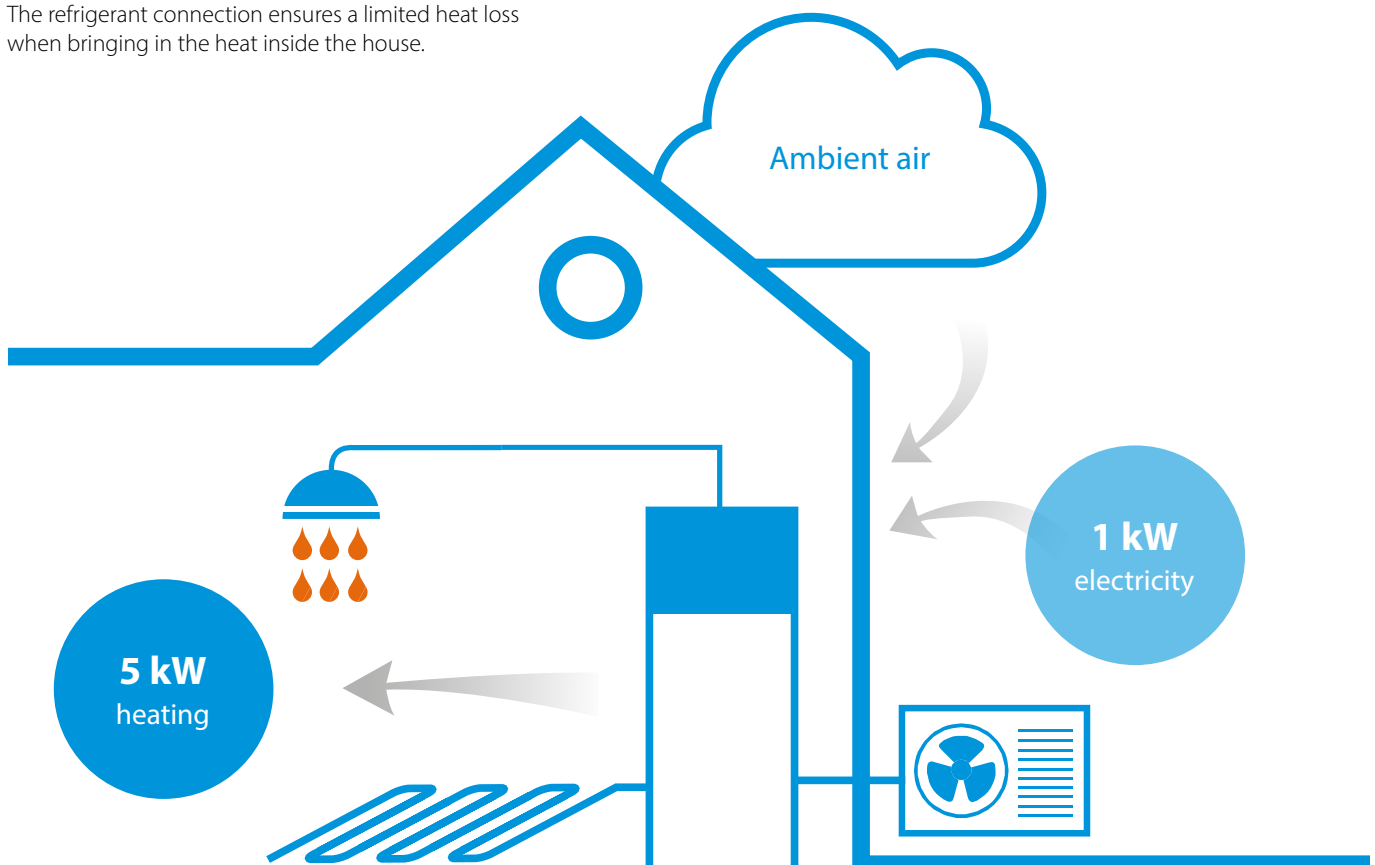
The outdoor unit extracts energy from the air to provide heating, cooling and hot water. They collect up to 75% of their energy in the air, while the rest is provided by electricity. The air-to-water heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, and heat the water up to your needs and to deliver it into your house.

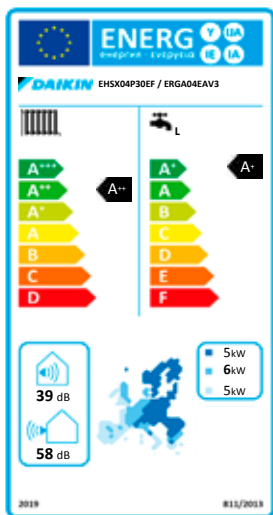
Low temperature heat pump

Ideal for new building applications, low temperature heat pumps are particularly fitting with underfloor heating and heat pump convectors requiring a lower temperature to provide an equivalent comfort as radiators.

Refrigerant connection

Refrigerant split heat pumps are made of an outdoor unit extracting the air and an indoor unit which is the command center on which you control your system. The refrigerant connection ensures a limited heat loss when bringing in the heat inside the house.





Highest energy label

Daikin heat pumps comply with the most recent regulations established by the European Union by holding an energy label with the highest scores, up to A+++ in space heating (35°C water outlet) and A+ in domestic water heating.

Did you know?

Since 2015, all heating products must carry an energy label. The space heaters were rated from A+++ to G and water heaters from A to G.

On 26th September 2019, new energy labels are available and rate the heating products from A+++ to D in space heating, and from A+ to F in water heating.



Daikin Altherma 3 R

powered by Bluevolution with R-32 refrigerant

Why choose **Daikin Altherma 3 R**?

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



High performance

- › Leaving water temperature up to 65 °C at high efficiency
- › Suitable for both underfloor heating and radiators
- › Pedigree trademark in first protection down to -25°C, ensuring reliable operation even in the coldest climates
- › The Bluevolution technology offers the highest performance:
 - Seasonal efficiency up to A+++
 - Heating efficiency up to a COP of 5,1 (at 7 °C/35 °C)
 - Domestic hot water efficiency up to COP of 3,3 (EN16147)
- › Available in 4, 6 and 8 kW

Easy to install

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

Easy commissioning

- › Integrated high resolution colour interface
- › Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to operate
- › 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 compressor ensures consistent room temperatures at all times.
- › Control your system from anywhere at any time via the Daikin Residential 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 R range can also be fully integrated with other home control systems



Control with Onecta app



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



Best seasonal efficiencies

providing the highest savings on running costs



Perfect fit for

new buildings, as well as for low energy houses

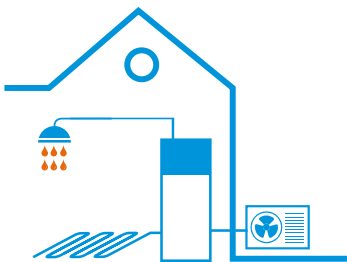


A leaving water

temperature up to 65 °C

makes it also **a suitable choice for refurbishments**

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



Daikin Altherma 3 R F

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
- › Compatible with the Daikin Residential Controller app
- › Voice control available



Daikin Altherma 3 R ECH₂O

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



Daikin Altherma 3 R W

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
- › Compatible with the Daikin Residential Controller app
- › Voice control available

Daikin Altherma 3 R F

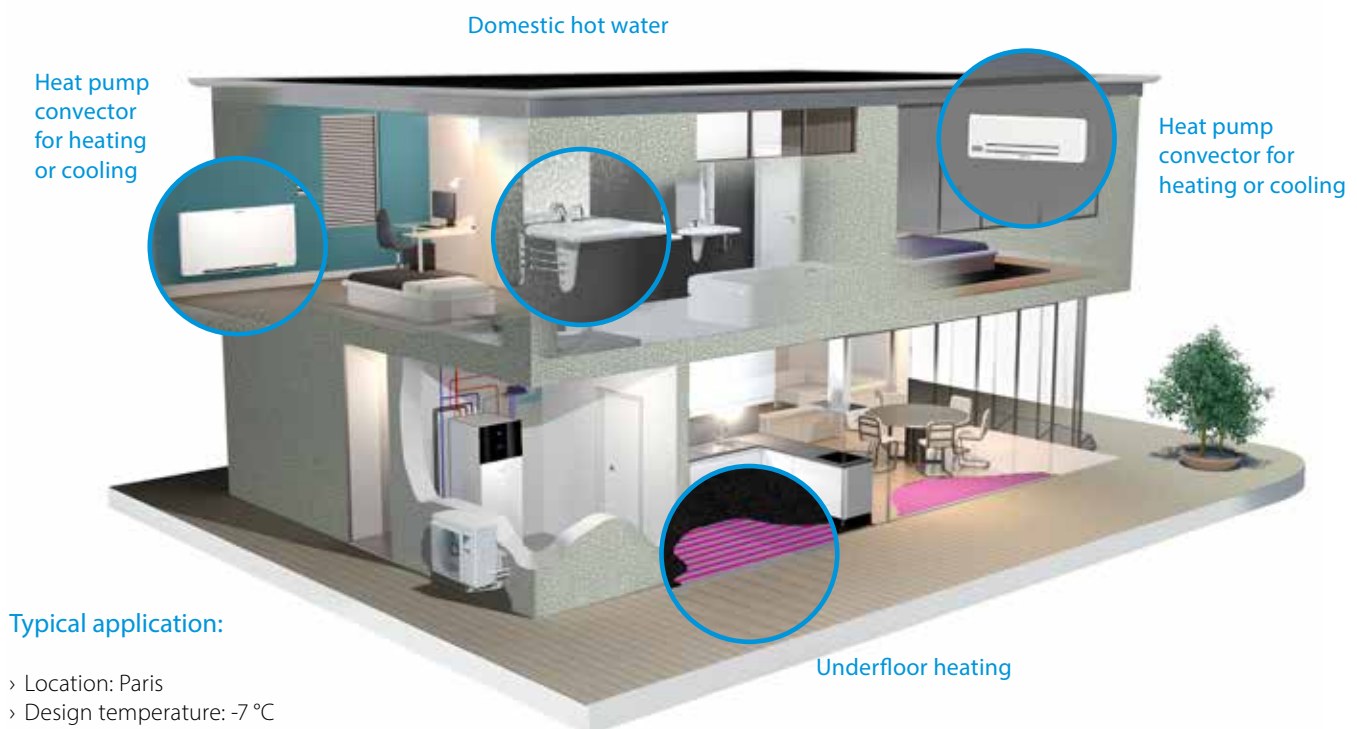
floor standing unit with integrated domestic hot water tank

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

The Daikin Altherma 3 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 625 mm
- › Integrated back-up heater choice of 3, 6, 9 kW
- › Dedicated Bi-Zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



All-in one design

Reduces the installation footprint and height

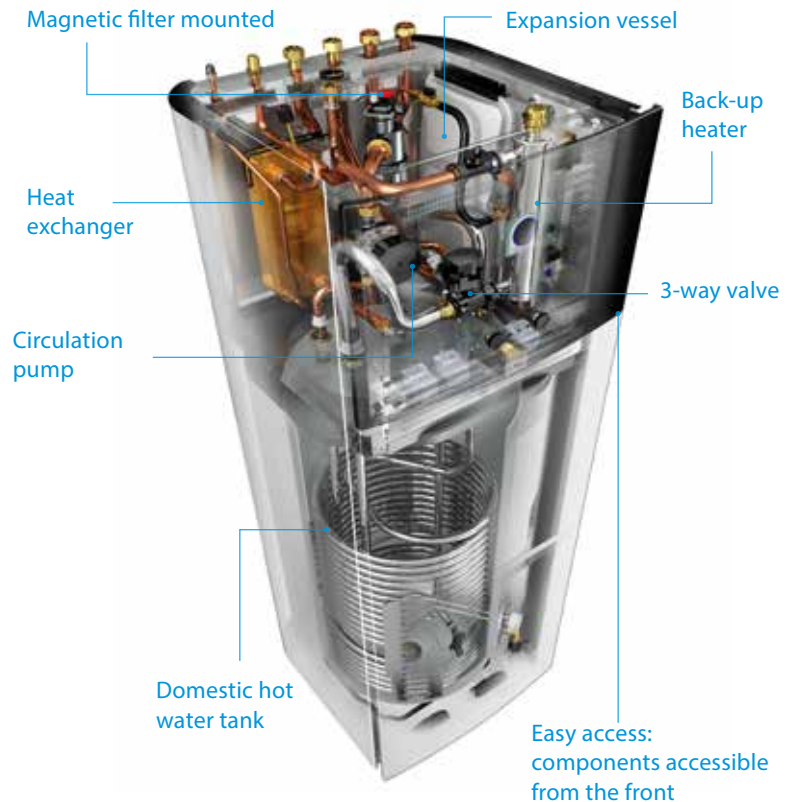
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 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 a 180 L tank and 1,85 m for a 230 L tank, 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, 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 the system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

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

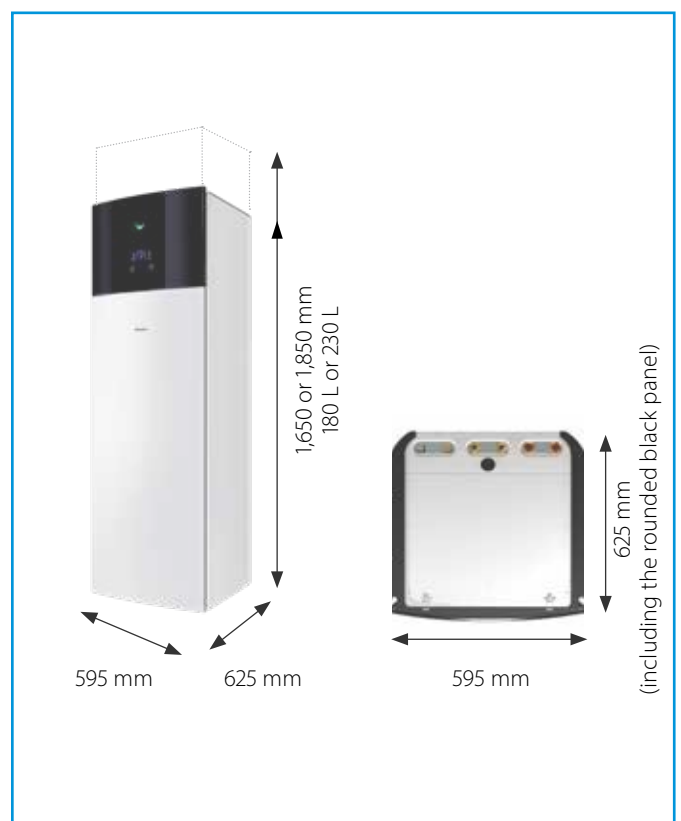
Easy operation

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

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.

Integrated indoor unit



Floor standing unit with integrated ECH₂O tank

The Daikin Altherma low temperature split 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 (500 l tank only)
- › Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

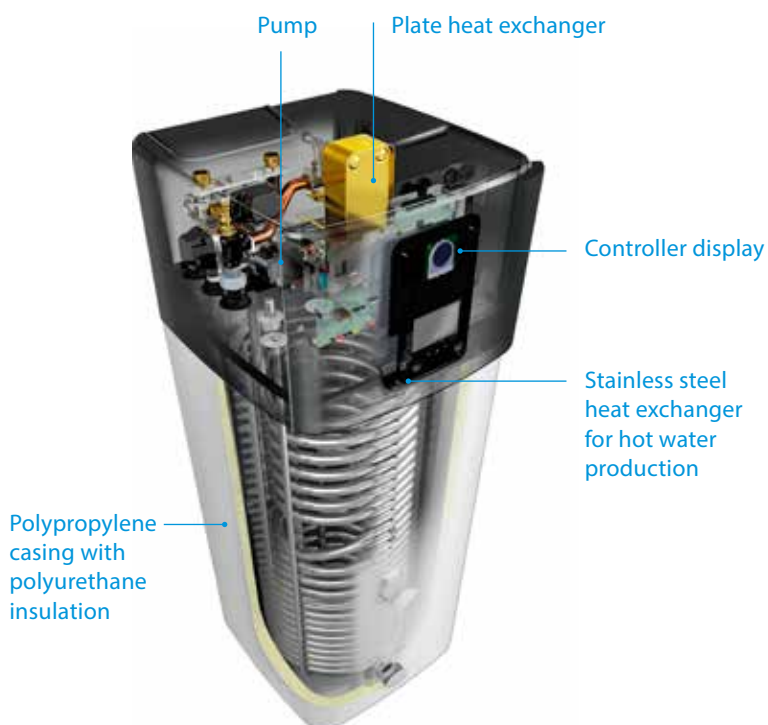
Innovative and high-quality tank

- › 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



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.

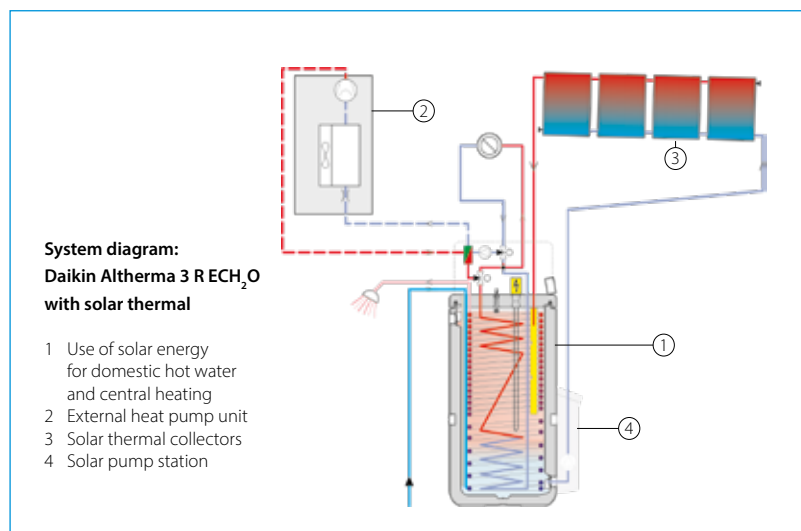
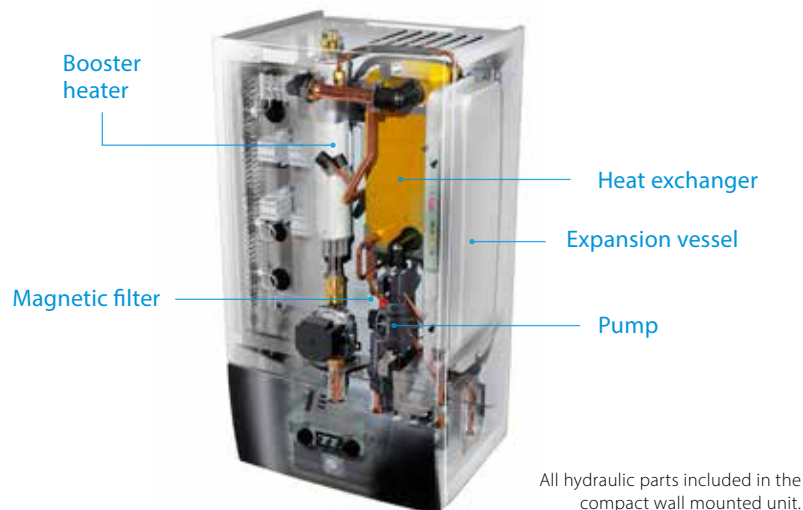
Daikin Altherma 3 R

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R W 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

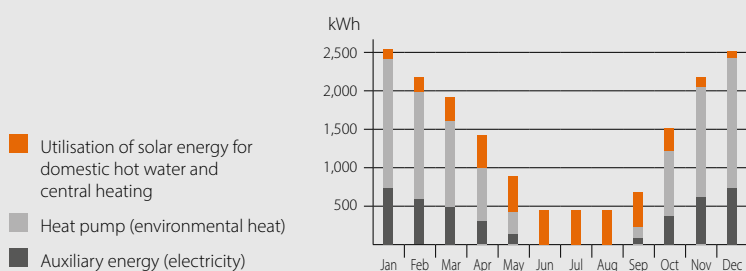


ECH₂O thermal store range: additional hot water comfort

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

Monthly energy consumption of an average detached house





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



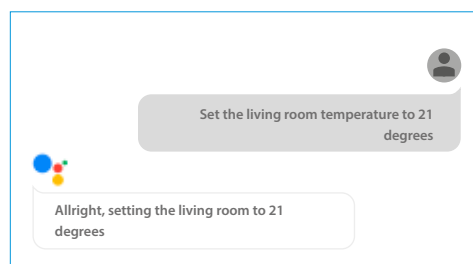
onecta

NEW

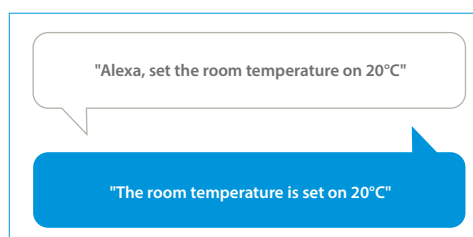
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

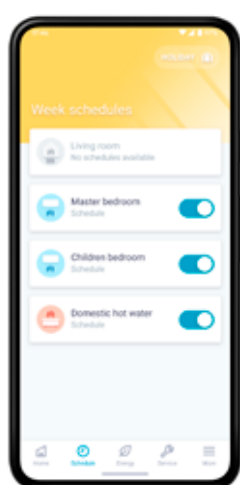
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



Example of using the voice control via Google Assistant



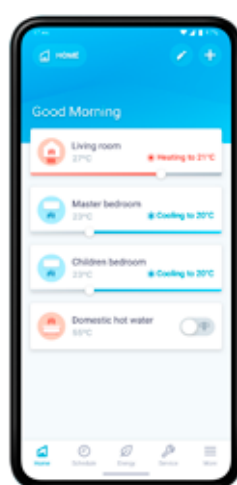
Example of using the voice control via Amazon Alexa



Schedule

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

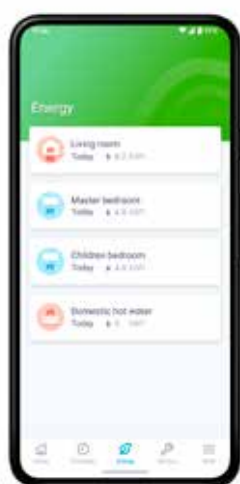
- ☒ Schedule room temperature and operation mode
- ☒ Enable holiday mode to save costs



Control

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

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



Monitor

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

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

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



Scan the QR code to download the app now



User-friendly wired remote controller with premium design

Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW



Silver
RAL 9006 (metallic)
BRC1HHDS

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

Easy update via Bluetooth

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



Award-winning design

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



reddot award 2018
winner





Stand By Me, a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service program, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.



HSN
PRO

Heating Solutions Navigator

Provide the best fit solution for your customers homes



Web portal



Professionals



Daikin e-Care

Access to registration, configuration and trouble shooting



Mobile app



Professionals



Stand By Me

Manage your installation database and offer comfort and service to your customer



Web portal



Professionals



Onecta App

End-user app to control the residential unit



Mobile app



Consumer

NEW

Discover the new features

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



Heating Solutions Navigator

Newest functions:
underfloor heating, Fan Coil
selection tool and ventilation
quotation tool



Daikin e-Care

Newest function:
20 installer settings to solve
problems remotely



Stand By Me

Newest function:
20 installer settings for remote
monitoring (SBM Pro)



Onecta App

Newest function:
voice control thanks to Amazon
Alexa or Google Assistant

NEW

Error notification and 20 installer settings for remote support through SBM Pro and e-care app

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

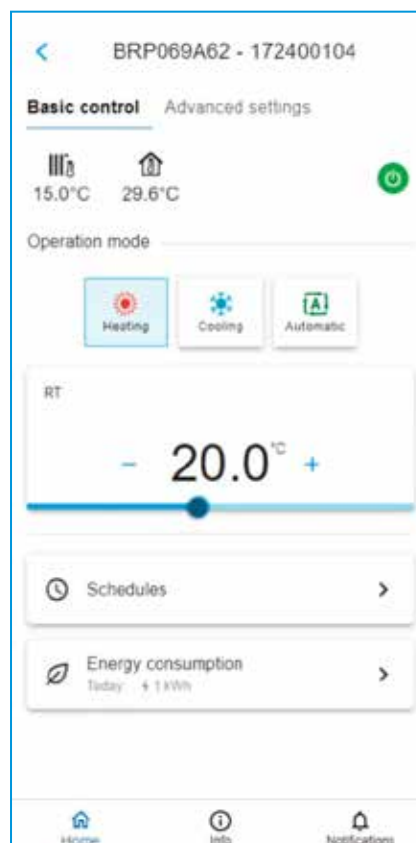
☒ Space heating/cooling

☒ Main zone & Additional zone (LWT)

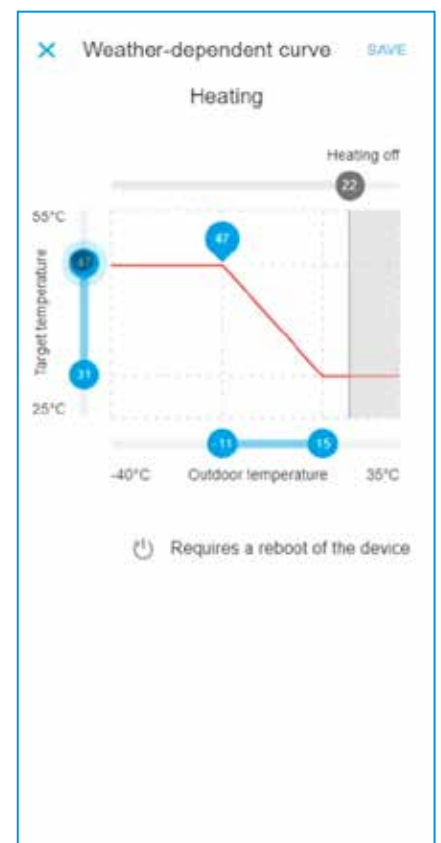
☒ Domestic hot water

☒ Room (RT)

☒ Installer – Error handling



Adjust a room setpoint remotely



Adjust the weather-dependent curve remotely

Daikin Altherma 3 R F

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

- › A combined stainless steel domestic hot water tank of 180 or 230 L 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 625 mm
- › Integrated back-up heater choice of 3, 6, 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Compatible with the Onecta app
- › Voice control available



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



Efficiency data				EHVX + ERGA	04S18E3V/ E6V + 04EV		04S23E3V/ E6V + 04EV		08S18E6V/ E9W + 06EVH		08S23E6V/ E9W + 06EVH		08S18E6V/ E9W + 08EVH7		08S23E6V/ E9W + 08EVH7				
Heating capacity		Nom.			kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (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		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)		6.25 (1) / 5.44 (2)						
Power input		Cooling		Nom.			kW		0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)						
COP							5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)						
EER							5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)		5.40 (1) / 3.14 (2)						
	Average climate water outlet 55 °C	General	SCOP			3.29		3.28		3.35									
			ηs (Seasonal space heating efficiency)		%	129		128		131									
			Seasonal space heating eff. class					A++											
	Average climate water outlet 35 °C	General	SCOP			4.54		4.52		4.61									
			ηs (Seasonal space heating efficiency)		%	179		178		181									
			Seasonal space heating eff. class					A+++											
	General		Declared load profile			L		XL		L		XL		L		XL			
	Average climate		ηwh (water heating efficiency)		%	127		125		134		133		125		133			
				Water heating energy efficiency class		A+													
Indoor Unit				EHVX	04S18E3V/E6V		04S23E3V/E6V		08S18E6V/E9W		08S23E6V/E9W		08S18E6V/E9W		08S23E6V/E9W				
Casing		Colour		White + Black															
		Material		Resin / Sheet metal															
Dimensions		Unit		Height x Width x Depth		mm		1,650 x 595 x 625		1,850 x 595 x 625		1,650 x 595 x 625		1,850 x 595 x 625		1,650 x 595 x 625		1,850 x 595 x 625	
Weight		Unit				kg		119		128		119		128		119		128	
Tank		Water volume				l		180		230		180		230		180		230	
		Maximum water temperature				°C		70											
		Maximum water pressure				bar		10											
		Corrosion protection				Pickling													
Operation range		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	04EV				06EVH				08EVH7						
Dimensions		Unit		Height x Width x Depth		mm		740 x 884 x 388											
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 _{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). This product contains fluorinated greenhouse gases.

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
- › Compatible with the Onecta app
- › Voice control available



011-IW0262 → 267

Efficiency data				EHSX + ERGA		04P30E + 04EV		04P50E + 04EV		08P30E + 06EVH		08P50E + 06EVH		08P30E + 08EVH7		08P50E + 08EVH7		
Heating capacity		Nom.		kW		4.30 (1) / 4.60 (2)				6.00 (1) / 5.90 (2)				7.50 (1) / 7.80 (2)				
Power input		Heating		Nom.		kW		0.84 (1) / 1.26 (2)				1.24 (1) / 1.69 (2)				1.63 (1) / 2.23 (2)		
Cooling capacity		Nom.				kW		4.86 (1) / 4.52 (2)				5.96 (1) / 5.09 (2)				6.25 (1) / 5.44 (2)		
Power input		Cooling		Nom.		kW		0.81 (1) / 1.36 (2)				1.06 (1) / 1.55 (2)				1.16 (1) / 1.73 (2)		
COP								5.10 (1) / 3.65 (2)				4.85 (1) / 3.50 (2)				4.60 (1) / 3.50 (2)		
EER								5.98 (1) / 3.32 (2)				5.61 (1) / 3.28 (2)				5.40 (1) / 3.14 (2)		
Space heating		Average climate water outlet 55 °C	General	SCOP		3.29				3.28				3.35				
				ηs (Seasonal space heating efficiency)		129				128				131				
				Seasonal space heating eff. class						A++								
	Average climate water outlet 35 °C	General	SCOP		4.54				4.52				4.61					
			ηs (Seasonal space heating efficiency)		179				178				181					
			Seasonal space heating eff. class						A+++									
Domestic hot water heating		General		Declared load profile		L		XL		L		XL		L		XL		
		Average climate		ηwh (water heating efficiency)		118		125		118		125		118		125		
		Water heating energy efficiency class								A+								
Indoor Unit				EHSX		04P30E		04P50E		08P30E		08P50E		08P30E		08P50E		
Casing		Colour				Traffic white (RAL9016) / Traffic black (RAL9017)												
		Material				Impact resistant polypropylene												
Dimensions		Unit		Height x Width x Depth		mm		1,892 x 594 x 644		1,905 x 792 x 812		1,892 x 594 x 644		1,905 x 792 x 812		1,892 x 594 x 644		
Weight		Unit				kg		77		107		77		107		77		
Tank		Water volume				l		294		477		294		477		294		
		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										
Outdoor Unit				ERGA		04EV		06EVH		08EVH7								
Dimensions		Unit		Height x Width x Depth		mm		740 x 884 x 388										
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				TCO2/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). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

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
- › Compatible with the Onecta app
- › Voice control available



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



Efficiency data				EHBX + ERGA		04E6V + 04EV		08E6V + 06EVH		08E9W + 06EVH		08E6V + 08EVH7		08E9W + 08EVH7	
Heating capacity		Nom.				kW		4.30 (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		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input		Cooling		Nom.				kW		0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP										5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER										5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating		Average climate water outlet 55 °C		General		SCOP		3.29		3.28		3.35			
						rs (Seasonal space heating efficiency)		%		129		128		131	
						Seasonal space heating eff. class						A++			
		Average climate water outlet 35 °C		General		SCOP		4.54		4.52		4.61			
						rs (Seasonal space heating efficiency)		%		179		178		181	
						Seasonal space heating eff. class						A+++			
Indoor Unit				EHBX		04E6V		08E6V		08E9W		08E6V		08E9W	
Casing		Colour								White + Black					
		Material								Resin, sheet metal					
Dimensions		Unit		Height x Width x Depth		mm				840 x 440 x 390					
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		25~75					
Sound power level		Nom.						dBA		42					
Sound pressure level		Nom.						dBA		28					
Outdoor Unit				ERGA		04EV		06EVH		08EVH7					
Dimensions		Unit		Height x Width x Depth		mm				740 x 884 x 388					
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: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).
This product contains fluorinated greenhouse gases.

Combination table and options			Floor standing integrated	ECH ₂ O	Wall mounted
Type	Description	Material name			
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	●	●	●
	Wireless room thermostat	EKRTR1	●	●	●
	Wireless room thermostat	EKRTR1B	●	●	●
	Wired gital thermostat	EKRTWA	●	●	●
	LAN adapter + PRV solar	BRP069A61		●	
	LAN adapter	BRP069A62		●	
	WLAN module	BRP069A71	●(1)	●(1)	●(1)
	WLAN cartridge	BRP069A78	●(1)	●(1)	●(1)
	Universal centarized controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	●	●	●
Sensors	Remote indoor sensor	KRCS01-1	●(2)	●(2)	●(2)
	Remote outdoor sensor	EKRSCA1	●(2)	●(2)	●(2)
	External sensor for EKTRR room thermostat	EKRTETS	●(3)	●(3)	●(3)
	External sensor for EKTRTB room thermostat	EKRTETSB	●(4)	●(4)	●(4)
Bizone kits	Watts kit	BZKA7V3	●(5)		●
	Generic bizone kit	EKMIKPOAF		●	
	Generic bizone kit	EKMIKPHAF		●	
Domestic hot water	DHW tank	EKHWS(U)-D(3)V3			●
	Thermal stores	EKHWP-(P)B			●
	Third party tank kit	EKHY3PART			●
	Third party tank kit	EKHY3PART2			●(6)
Heat pump convector	Floor standing	FWXV15/20/25*	●(6)	●(6)	●(7)
	Wall mounted	FWXT15/20/25*	●(6)	●(6)	●(7)
	Concealed	FWXM15/20/25*	●(6)	●(6)	●(7)
Other options	Digital I/O PCB	EKRPIHBAA	●(7)		●(8)
	Demand PCB	EKRPIAHTA	●	●	●
	PC USB cable	EKPCCAB4	●	●	●
	Relay smart grid	EKRESLG	●	●	●
	Corner pipe bend kit	EKHVTC	●(5)		
Dedicated ECH ₂ O options	Inline back-up heater (3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V		●(9)	
	Inline back-up heater (6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V		●(9)	
	Inline back-up heater (9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W		●(9)	
	Inline back-up heater connection kit	EKECBUCO3AF		●(9)	
	Dirt separator	156021		●	
	Bivalent connector kit	EKECBIVCO2AF			
	Drain-back connector kit	EKECDBCO2AF		●	
	Circulation stop valves (2 pcs)	165070		●	

- (1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (In case bad reception of signal , the W-LAN cartridge can be removed and replace by WLAN module)
- (2) Only 1 sensor can be connected: indoor OR outdoor sensor.
- (3) Can only be used in combination with the wireless room thermostat EKRTR(1).
- (4) Can only be used in combination with the wireless room thermostat EKRTRB.
- (5) Combination possible except with floor standing bizone models.
- (6) EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor
- (7) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).
- (8) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
- (9) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO*AF is needed to connect the backup heater to the main unit.



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