

# Daikin Altherma 3 R

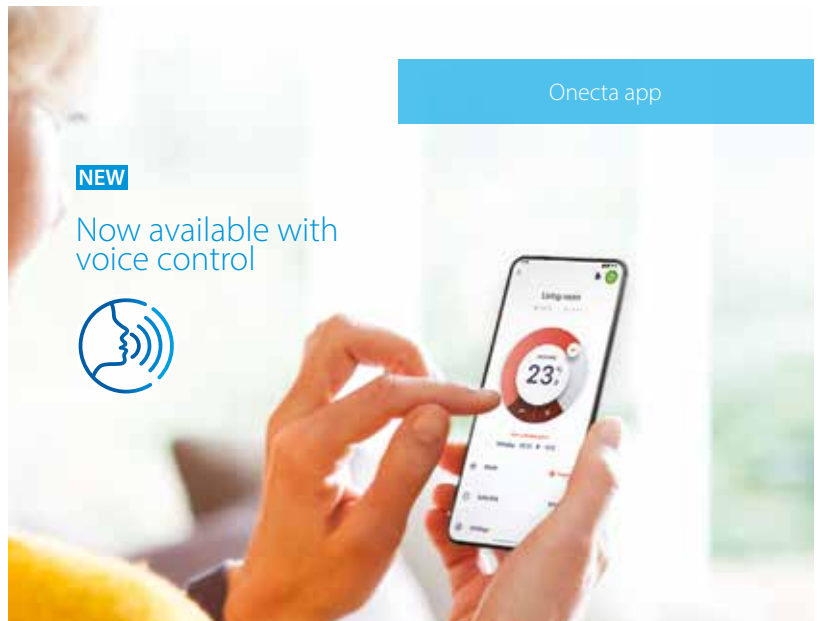
Product catalogue 2022



The heat pump standard, upgraded



ERGA-E series



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# 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 frost 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

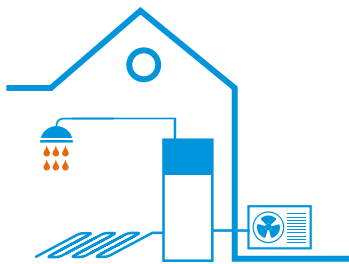
**new buildings**, as well as for low energy houses

### ✓ 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

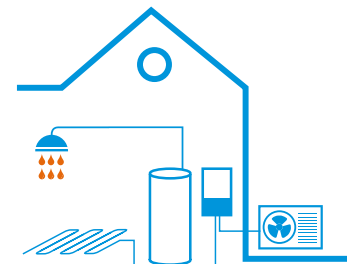


#### Daikin Altherma 3 R ECH<sub>2</sub>O

##### Floor standing unit with integrated ECH<sub>2</sub>O 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

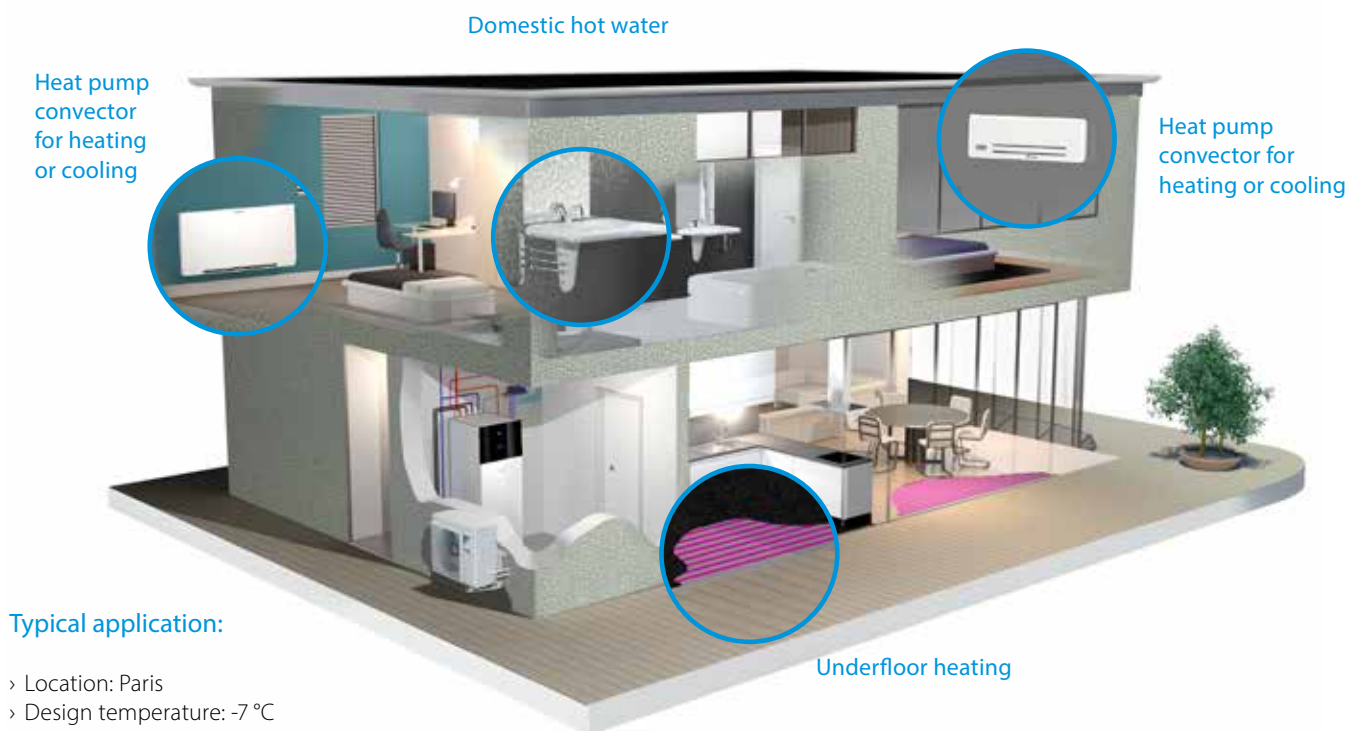
floor standing unit with integrated domestic hot water tank

## 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



### Typical application:

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

# All-in one design

## Reduces the installation footprint and height

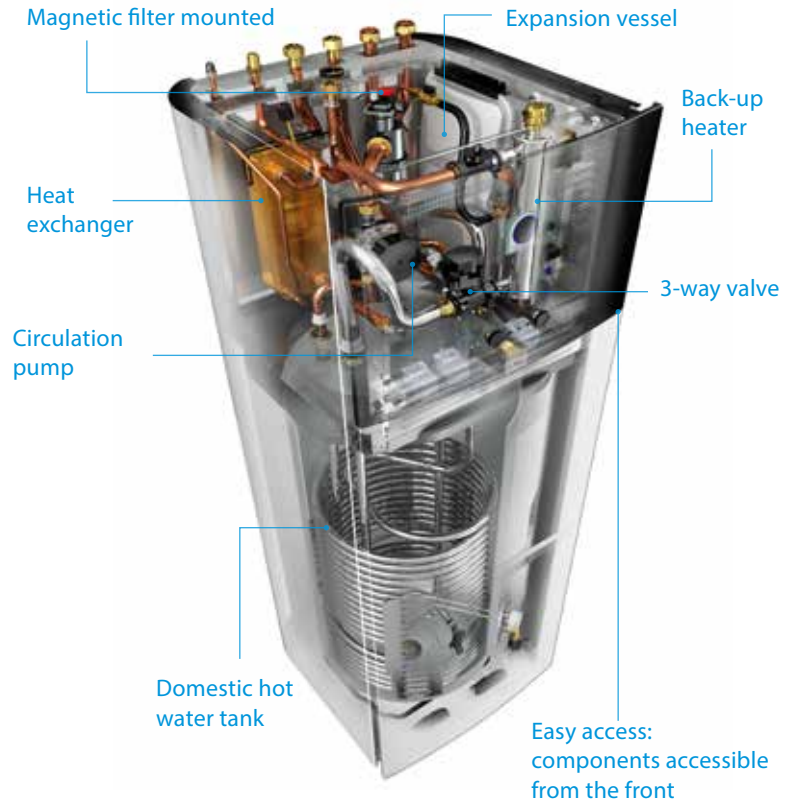
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 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.

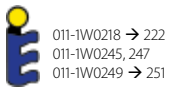
## Integrated indoor unit



# Daikin Altherma 3 R F

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

- > A combined stainless steel domestic hot water tank of 180 or 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 6 or 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		EHVH + ERGA		04S18E 6V+ 04EV	04S23E 6V+ 04EV	08S18E6V/ E9W + 06EVH	08S23E6V/ E9W + 06EVH	08S18E6V/ E9W + 08EVH	08S23E6V/ E9W + 08EVH
Heating capacity	Nom.			4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating Nom.			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 <sub>sp</sub> (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	
Domestic hot water heating	Average climate	General	η <sub>sp</sub> (Seasonal space heating efficiency)	176				179	
			Seasonal space heating eff. class			A+++			
Domestic hot water heating	Average climate	General	Declared load profile	L	XL	L	XL	L	XL
			Water heating energy efficiency class	125		133		125	
				A+					

Indoor Unit		EHVH		04S18E6V	04S23E6V	08S18E6VH/E9WH	08S23E6VH/E9WH	08S18E6VH/E9WH	08S23E6VH/E9WH	
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
	Water volume			l	180	230	180	230	180	230
Tank	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		04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388		
Weight	Unit			kg		
Compressor	Quantity			58.5		
	Type			1		
Operation range	Cooling	Min.~Max.	°CDB	Hermetically sealed swing compressor		
	Domestic hot water	Min.~Max.	°CDB	10~43		
Refrigerant				-25~35		
	Type			R-32		
	GWP			675.0		
	Charge			1.50		
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		
Current	Recommended fuses			A		

(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 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



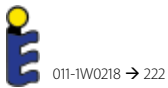
Efficiency data		EHVX + ERGA		04S18E3V/E6V + 04EV		04S23E3V/E6V + 04EV		08S18E6V/E9W + 06EVH		08S23E6V/E9W + 06EVH		08S18E6V/E9W + 08EVH		08S23E6V/E9W + 08EVH			
Heating capacity	Nom.			4.30 (1) / 4.60 (2)				6.00 (1) / 5.90 (2)				7.50 (1) / 7.80 (2)					
Power input	Heating	Nom.		0,850 (1) / 1,26 (2)				1,24 (1) / 1,69 (2)				1,63 (1) / 2,23 (2)					
Cooling capacity	Nom.			4.86 (1) / 4.52 (2)				5.96 (1) / 5.09 (2)				6.25 (1) / 5.44 (2)					
Power input	Cooling	Nom.		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					
			ηs (Seasonal space heating efficiency)	129				128				131					
			Seasonal space heating eff. class					A++									
			SCOP	4.54				4.52				4.61					
Space heating	Average climate water outlet 35 °C	General	SCOP	179				178				181					
			ηs (Seasonal space heating efficiency)					A+++									
			Seasonal space heating eff. class														
			SCOP	4.54				4.52				4.61					
Domestic hot water heating	General	Declared load profile		L		XL		L		XL		L		XL			
		Average climate	η <sub>wh</sub> (water heating efficiency)	127	125	134	133	125	133	125	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			
	Water volume	l		180		230		180		230		180		230			
Tank	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		08EVH									
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 <sub>2</sub> Eq				1.01											
Sound power level	Heating	Nom.	dBA		58		60		62								
		Nom.	dBA		61		62		62								
	Cooling	Nom.	dBA		44		47		49								
		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 F

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

- › 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 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Compatible with the Onecta app
- › Voice control available



up to

Efficiency data		EHVZ + ERGA		04S18 E6V + 04EV	08S18 E6V/E9W + 06EVH	08S23 E6V/E9W + 06EVH	08S18 E6V/E9W + 08EVH	08S23 E6V/E9W + 08EVH	
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 <sub>sp</sub> (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		
Domestic hot water heating	Average climate	General	η <sub>sp</sub> (Seasonal space heating efficiency)	176		179			
			Seasonal space heating eff. class	A+++					
Domestic hot water heating	Average climate	General	Declared load profile	L		XL		L	
			Water heating energy efficiency class	125		133		125	
			A+						
Indoor Unit		EHVZ		04S18E6V	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	
Weight	Unit	kg		125	230	133	125	133	
	Water volume	l		180	230	180	230	230	
Tank	Maximum water temperature	°C		70					
	Maximum water pressure	bar		10					
	Corrosion protection	Pickling							
	Operation range	Heating	Ambient	Min.~Max.	°C				
Operation range	Domestic hot water	Water side	Min.~Max.	°C					
		Ambient	Min.~Max.	°CDB					
Sound power level	Nom.	Water side	Max.	°C					
		Max.	dBA						
Sound pressure level	Nom.				dBA				
					28				
Outdoor Unit		ERGA		04EV	06EVH	08EVH			
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388					
Weight	Unit	kg		58.5					
	Quantity	1							
Compressor	Type	Hermetically sealed swing compressor							
	Operation range	Cooling	Min.~Max.	°CDB					
Operation range	Domestic hot water	Min.~Max.	°CDB						
		Type	R-32						
Refrigerant	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.





# Floor standing unit with integrated ECH<sub>2</sub>O tank

The Daikin Altherma low temperature split integrated ECH<sub>2</sub>O 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 ECH<sub>2</sub>O 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

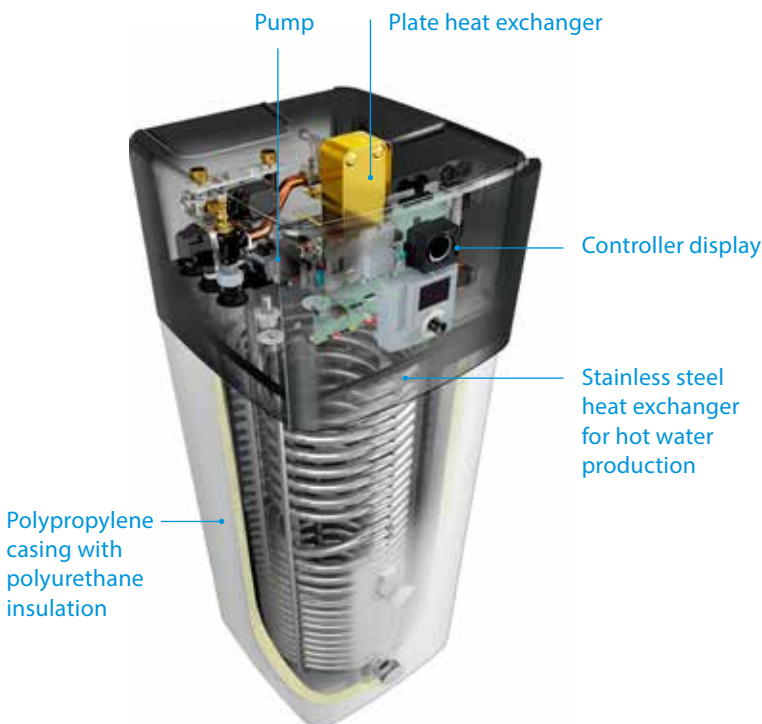
### Innovative and high-quality tank

- › 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

## ECH<sub>2</sub>O



### 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.

## ECH<sub>2</sub>O 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

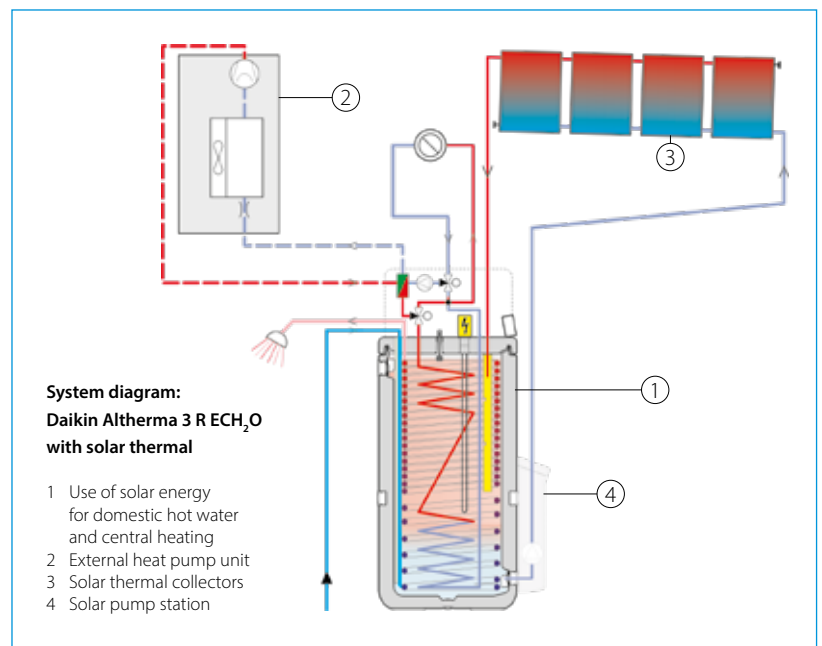
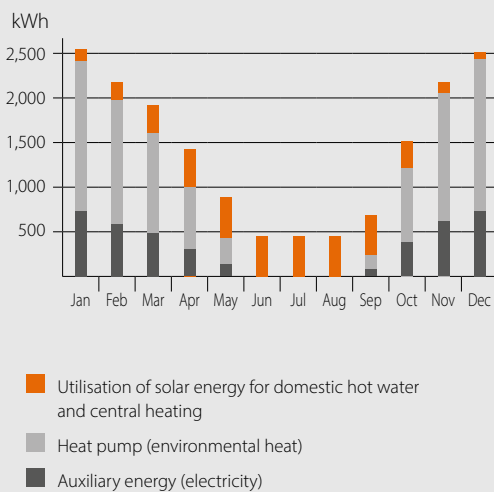
### Pressureless (drain-back) solar system (EHS<sub>H</sub>-E, EHS<sub>X</sub>-E)

- › 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 (EHS<sub>H</sub>B-E, EHS<sub>X</sub>B-E)

- › 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



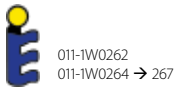
# Daikin Altherma 3 R ECH<sub>2</sub>O

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



up to **A+++** **A+** **R-32**



Efficiency data				EHS-E + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH
Heating capacity	Nom.			kW		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW		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 <sub>s</sub> (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
Domestic hot water heating	General	Declared load profile	η <sub>s</sub> (Seasonal space heating efficiency)	176				179	
			Seasonal space heating eff. class	A+++					
			Water heating energy efficiency class	L		XL		L	
	Average climate		η <sub>wh</sub> (water heating efficiency)	118		125		118	
			Water heating energy efficiency class	A+					

Indoor Unit				EHS-E	04P30E	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
Weight	Unit		kg	77		107		77		107
Tank	Water volume		l	294		477		294		477
	Maximum water temperature		°C	85		85		85		85
Operation range	Heating	Ambient	Min.~Max.	°C		-25~-25		-25~-25		-25~-25
		Water side	Min.~Max.	°C		18~65		18~65		18~65
	Domestic hot water	Ambient	Min.~Max.	°CDB		-25~-35		-25~-35		-25~-35
		Water side	Min.~Max.	°C		25~55		25~55		25~55
Sound power level	Nom.		dB(A)	39		39		39		39

Outdoor Unit				ERGA	04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388		740 x 884 x 388	
Weight	Unit		kg	58.5		58.5	
Compressor	Quantity			1		1	
	Type			Hermetically sealed swing compressor		Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB	10.0~43.0		10.0~43.0	
	Domestic hot water	Min.~Max.	°CDB	-25 ~-35		-25 ~-35	
Refrigerant	Type			R-32		R-32	
	GWP			675.0		675.0	
	Charge		kg	1.50		1.50	
	Charge		TCO <sub>Eq</sub>	1.01		1.01	
Sound power level	Control			Expansion valve		Expansion valve	
	Heating	Nom.	dB(A)	58		60	
	Cooling	Nom.	dB(A)	61		62	
Sound pressure level	Heating	Nom.	dB(A)	44		47	
	Cooling	Nom.	dB(A)	48		49	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		V3/1N~/50/230	
Current	Recommended fuses		A	25		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.

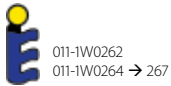
# Daikin Altherma 3 R ECH<sub>2</sub>O

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



up to



Efficiency data		EHSB + ERGA		04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH	
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	kW		0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26		3.32			
			η <sub>s</sub> (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		
Domestic hot water heating	Average climate	General	η <sub>s</sub> (Seasonal space heating efficiency)	176		179			
			Water heating energy efficiency class	A+++					
Domestic hot water heating	Declared load profile	General	Water heating efficiency	L	XL	L	XL		
			Water heating energy efficiency class	A+					
Indoor Unit		EHSB		04P30E	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	
Weight	Unit	kg			79	110	79	110	
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				
Outdoor Unit		ERGA		04EV	06EVH	08EVH			
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	TCO,Eq			1.01				
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.

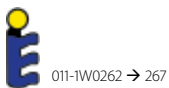
# Daikin Altherma 3 R ECH<sub>2</sub>O

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- › 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



up to **A+++** **A+** **R-32**



011-1W0262 → 267

Efficiency data		EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH	
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.	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.	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	
			η <sub>s</sub> (Seasonal space heating efficiency)	%	129		128		131
		Seasonal space heating eff. class				A++			
		General	SCOP	4.54		4.52		4.61	
η <sub>s</sub> (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	
		η <sub>wh</sub> (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	1,905 x 792 x 812
Weight	Unit		kg	77	107	77	107	77	107
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Sound power level	Nom.		dBA	39					

Outdoor Unit		ERGA	04EV	06EVH	08EVH	
Dimensions	Unit	Height x Width x Depth	mm			
Weight	Unit		kg			
Compressor	Quantity		1			
	Type		Hermetically sealed swing compressor			
Operation range	Cooling	Min.~Max.	°CDB			
	Domestic hot water	Min.~Max.	°CDB			
Refrigerant	Type		R-32			
	GWP		675.0			
	Charge	kg	1.50			
	Charge	TCO,Eq	1.01			
Sound power level	Heating	Nom.	dBA	58	60	62
	Cooling	Nom.	dBA	61	62	62
Sound pressure level	Heating	Nom.	dBA	44	47	49
	Cooling	Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V			
Current	Recommended fuses		A			

(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.



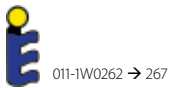
# Daikin Altherma 3 R ECH<sub>2</sub>O

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



up to



Efficiency data				EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH	
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			
			η <sub>s</sub> (Seasonal space heating efficiency) %	129		128		131			
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class			A++					
			SCOP	4.54		4.52		4.61			
Domestic hot water heating	Average climate	General	η <sub>s</sub> (Seasonal space heating efficiency) %	179		178		181			
			Seasonal space heating eff. class			A+++					
	Declared load profile	General	L	L		L		L		L	
			XL	XL		XL		XL		XL	
Average climate			Water heating energy efficiency class			A+					
				L	XL	L	XL	L	XL		
				118	125	118	125	118	125		
						A+					
Indoor Unit				EHSXB	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	1,905 x 792 x 812	
	Weight			kg	79	110	79	110	79	110	
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						
Outdoor Unit				ERGA	04EV	06EVH	08EVH				
Dimensions	Unit	Height x Width x Depth		mm	740 x 884 x 388						
	Weight			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 Control			TCO <sub>Eq</sub>	1.01						
Sound power level	Heating	Nom.	dBA	58		60		62			
		Nom.	dBA	61		62					
	Cooling	Nom.	dBA	44		47		49			
Sound pressure level	Heating	Nom.	dBA	44		47		49			
	Cooling	Nom.	dBA	48		49		50			
Power supply	Name/Phase/Frequency/Voltage			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

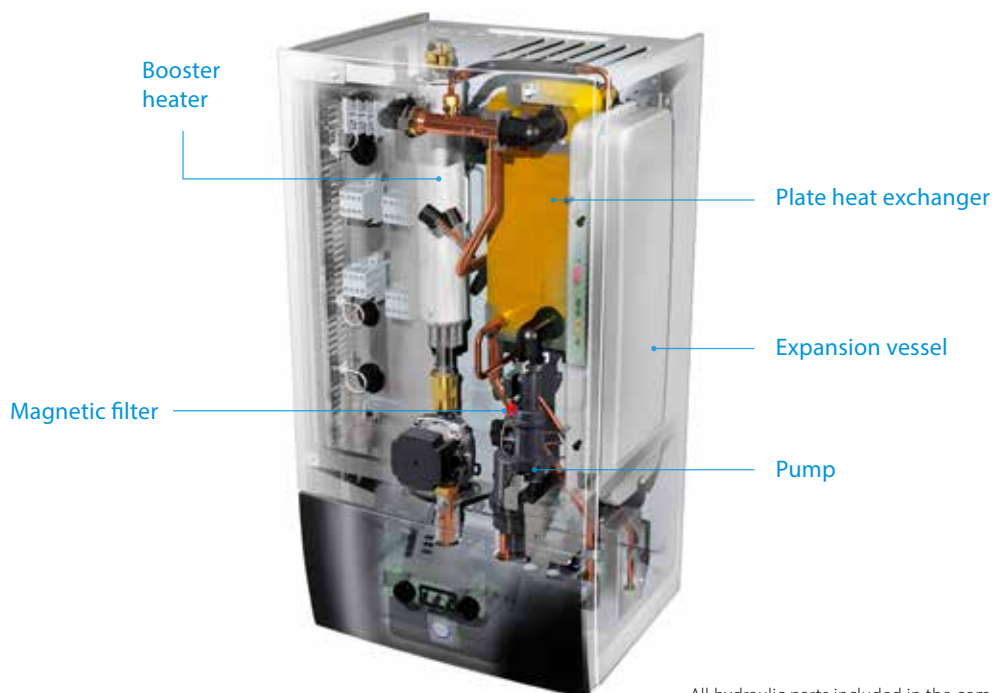
Wall mounted unit

## 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 ECH<sub>2</sub>O 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 tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH<sub>2</sub>O thermal stores.

### ECH<sub>2</sub>O 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



Example of installation with a stainless steel domestic hot water tank (EKHWS-D).

# Daikin Altherma 3 R W

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 ECH<sub>2</sub>O thermal store
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



Efficiency data				EHBH + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH	08E9W + 08EVH
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		
			η <sub>s</sub> (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	
			η <sub>s</sub> (Seasonal space heating efficiency)	%	176		179		
			Seasonal space heating eff. class		A+++				
Indoor Unit				EHBH	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
	Heating	Water side	Min.~Max.	°C	15 ~65				
Operation range	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	08EVH		
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	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 ECH<sub>2</sub>O thermal store
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



Efficiency data				EHBX + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH	08E9W + 08EVH
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	
			η <sub>s</sub> (Seasonal space heating efficiency)	129		128		131	
	Average climate water outlet 35 °C	General	SCOP	4.54		4.52		4.61	
			η <sub>s</sub> (Seasonal space heating efficiency)	179		178		181	
				A++			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							
	Heating	Water side	Min.~Max.	°C	42.0		42.4	42.0	42.4
Operation range	Domestic hot water	Water side	Min.~Max.	°C	15 ~65				
					25~75				
Sound power level	Nom.	dBA							
Sound pressure level	Nom.	dBA							
				42			28		

Outdoor Unit				ERGA	04EV	06EVH	08EVH	
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388				
Weight	Unit	kg						
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					
				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						
Current	Recommended fuses	A						
				V3/1N~/50/230			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.

# Thermal stores and tanks

## Hot water heating installation options

### 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 tank

#### Stainless steel tanks

##### Comfort

- › Available in 150, 180, 200, 250 and 300 litres in stainless steel EKHWS(U)-D

##### 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 ECH<sub>2</sub>O thermal store range

## ECH<sub>2</sub>O 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

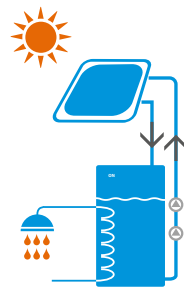
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

## Efficiency

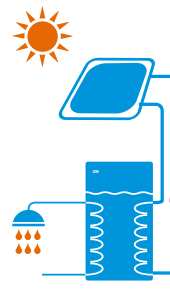
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

## Reliability

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



Drain-back solar system



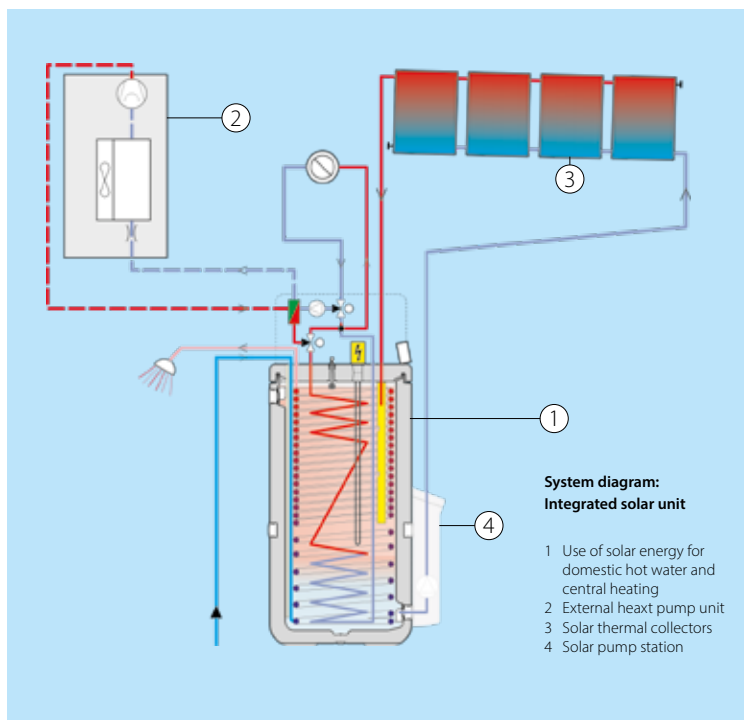
Pressurised solar system

### Pressureless (drain-back) solar system

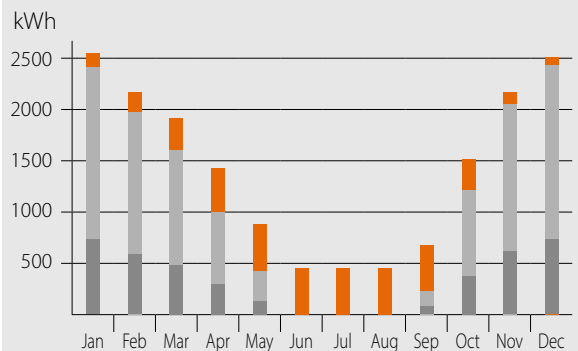
- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

### 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



- Utilisation of solar energy for domestic hot water and central heating
- Heat pump (environmental heat)
- Auxiliary energy (electricity)

# Thermal store

## Plastic domestic hot water tank with solar support

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



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	
Weight	Unit	Empty	kg	58	82	58	89	
Tank	Water volume		l	294	477	294	477	
	Material			Polypropylen				
	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	
	Pressurised solar	Operating pressure	bar	3				
		Average specific thermal output	W/K	1,300	1,800	1,300	1,800	
	Auxiliary solar heating	Average specific thermal output		W/K	-	390.00	-	840.00
		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		

## EKHWS(U)-D

# Domestic hot water tank

## Stainless steel domestic hot water tank

- › Available in 150, 180, 200, 250 and 300 litres in stainless steel EKHW5(U)-D



Accessory		EKHWS	150(U)D3V3	180(U)D3V3	200(U)D3V3	250(U)D3V3	300(U)D3V3	
Casing	Colour		Neutral white					
	Material		Epoxy coated steel / Epoxy-coated mild steel					
Weight	Unit	Empty	kg	45	50	53	58	63
		Water volume	l	145	174	192	242	292
Tank	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	kW	3					
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230					





# Daikin Altherma HPC Floor standing model



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

## Why Indoor Air Quality Matters

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

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

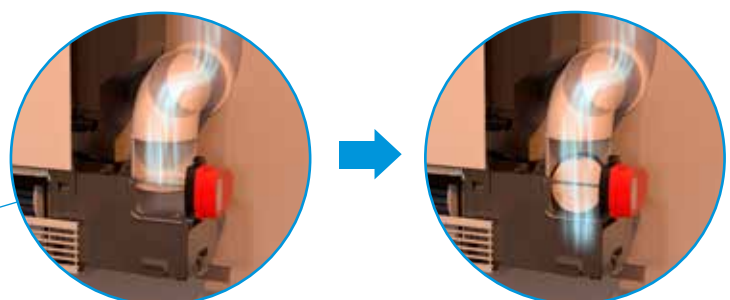
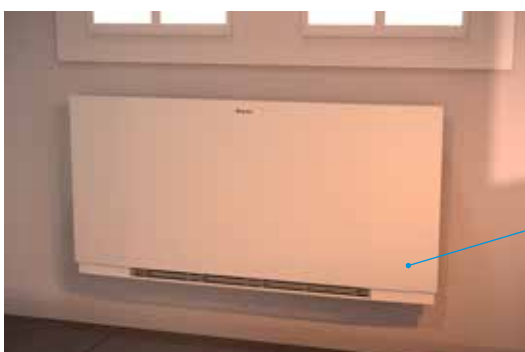
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

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



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

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

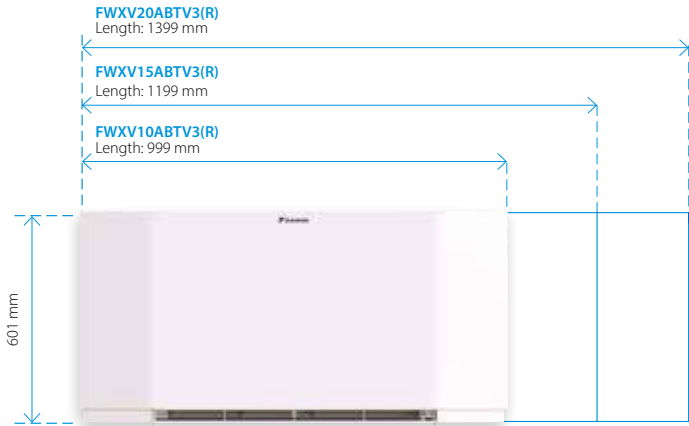




### Slim design



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



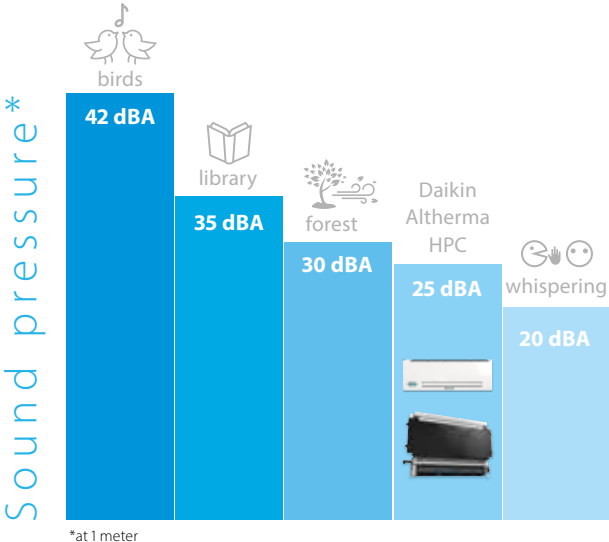
### Fast and high capacity

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



### Discreet

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



### Controls

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

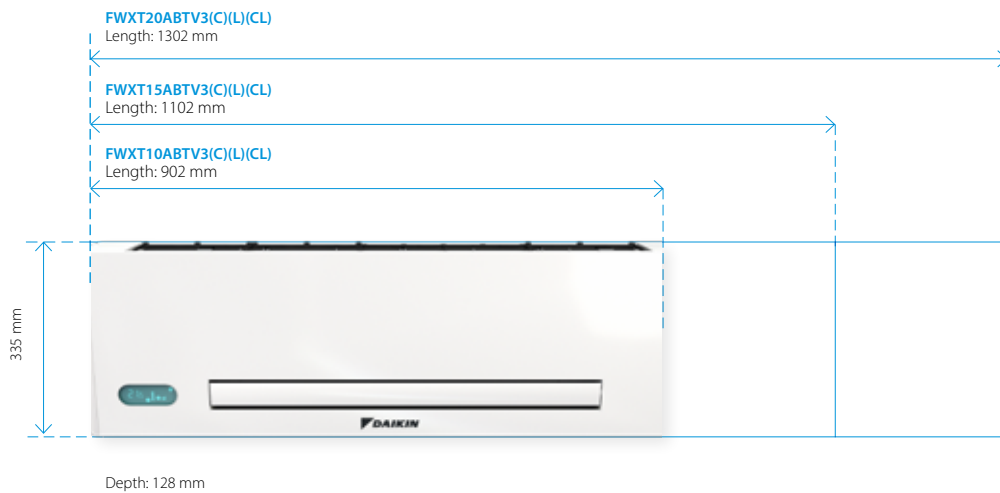
- EKRTCTRL1**
  - > Built-in controller
  - > Fully modulating
  - > Multicolor display
- EKRTCTRL2**
  - > Built-in controller
  - > 4 speed settings
- EKWHCTRL1**
  - > Wall controller
  - > Fully modulating
  - > In combination with EKWHCTRL0
- EKPCBO**
  - > Built-in controller
  - > ON/OFF
  - > In combination with external thermostats
- EKWHCTRL1A**
  - > Wall controller
  - > Fully modulating
  - > In combination with EKWHCTRL0
  - > Includes indoor air quality sensor



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

## Slim design

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



## Controls

Choice of:

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

### EKWHCTRL1



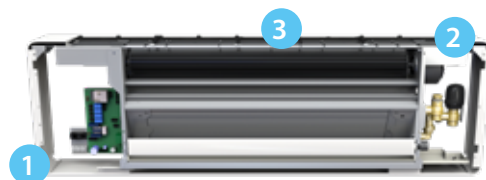
- > Wall controller
- > Fully modulating
- > For models FWXT-ABTV3(L)

### Infrared remote controller



- > Remote
- > Fully modulating
- > For models FWXT-ABTV3C(L)

## Compactness



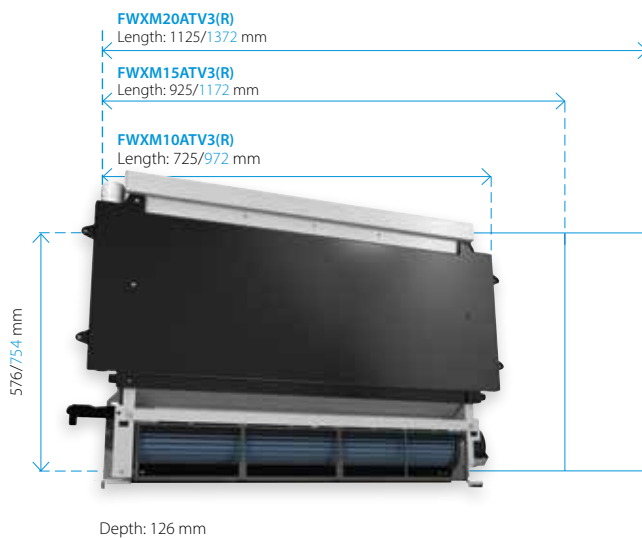
- 1 Slim depth**  
The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.
- 2 More space for valves**  
Ease of installation: the space for hydraulic valves is wide and easily accessible.

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



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

## Slim design



Blue dimensions are for the front cover.

## Controls

### EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

## Flexible installation

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

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



# Onecta App

Now available with voice control



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



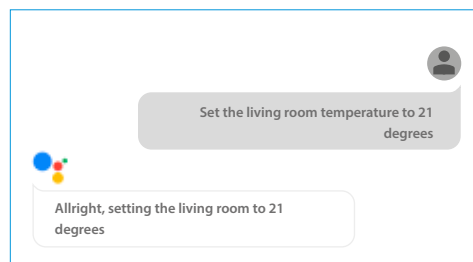
# onecta

**NEW**

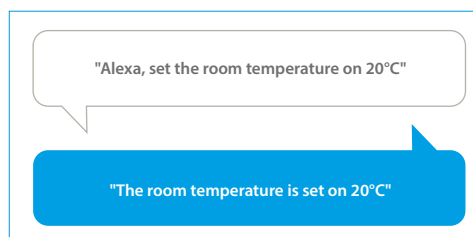
## Voice control

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.

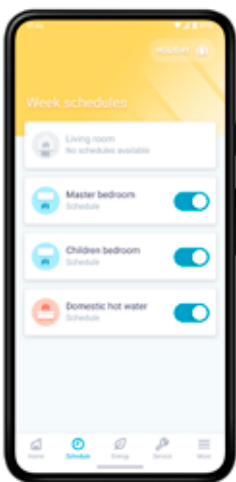
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



Example of using the voice control via Google Assistant



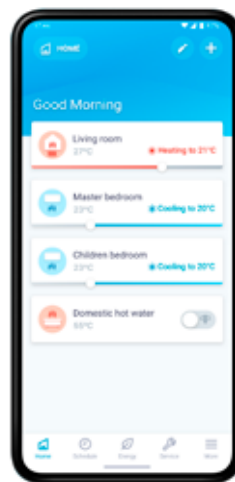
Example of using the voice control via Amazon Alexa



## Schedule

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

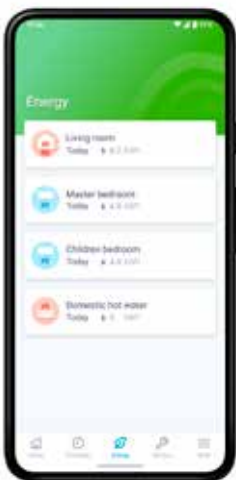
- Schedule room temperature and operation mode
- Enable holiday mode to save costs



## 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.

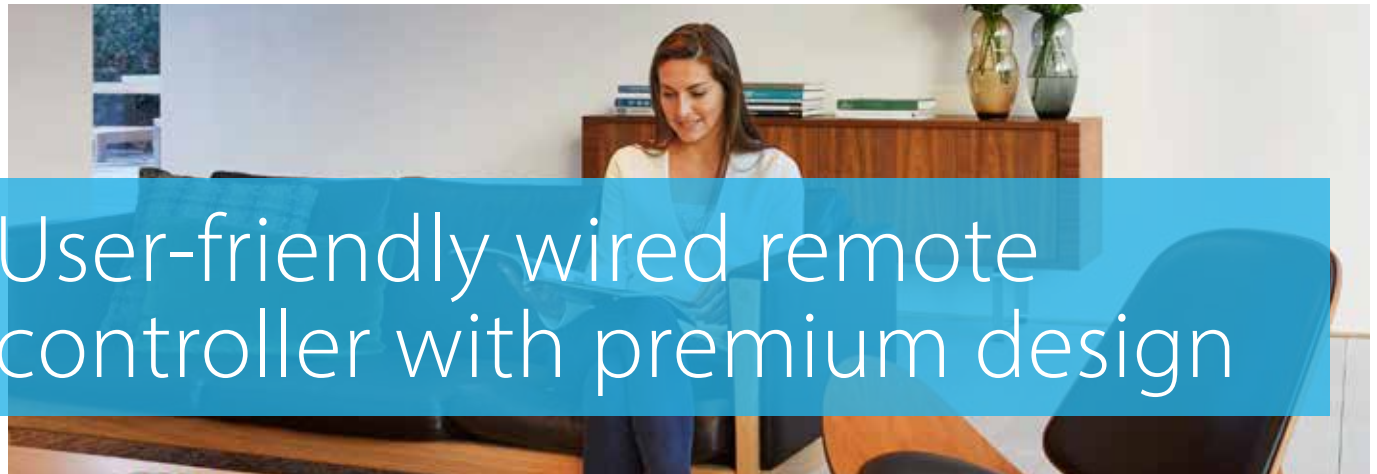
- Check the status of the heating system
- Access energy consumption graphs (day, week, month)

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.

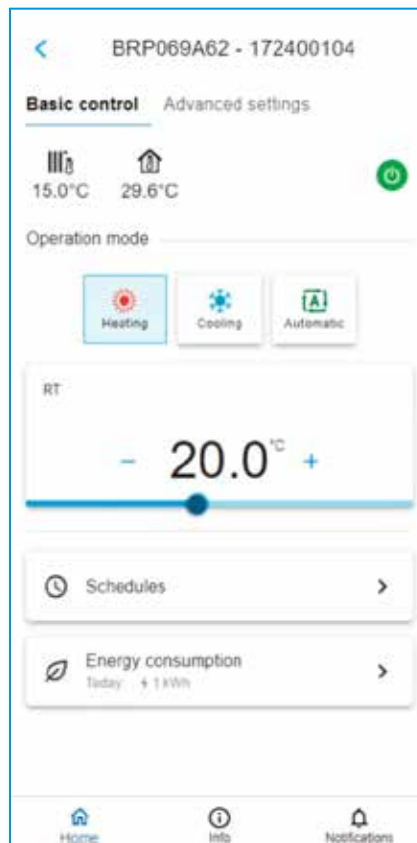
Space heating/cooling

Main zone & Additional zone (LWT)

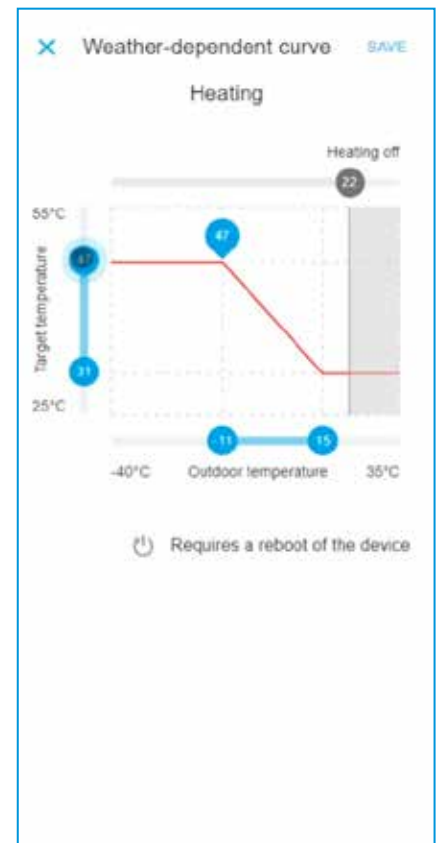
Domestic hot water

Room (RT)

Installer – Error handling



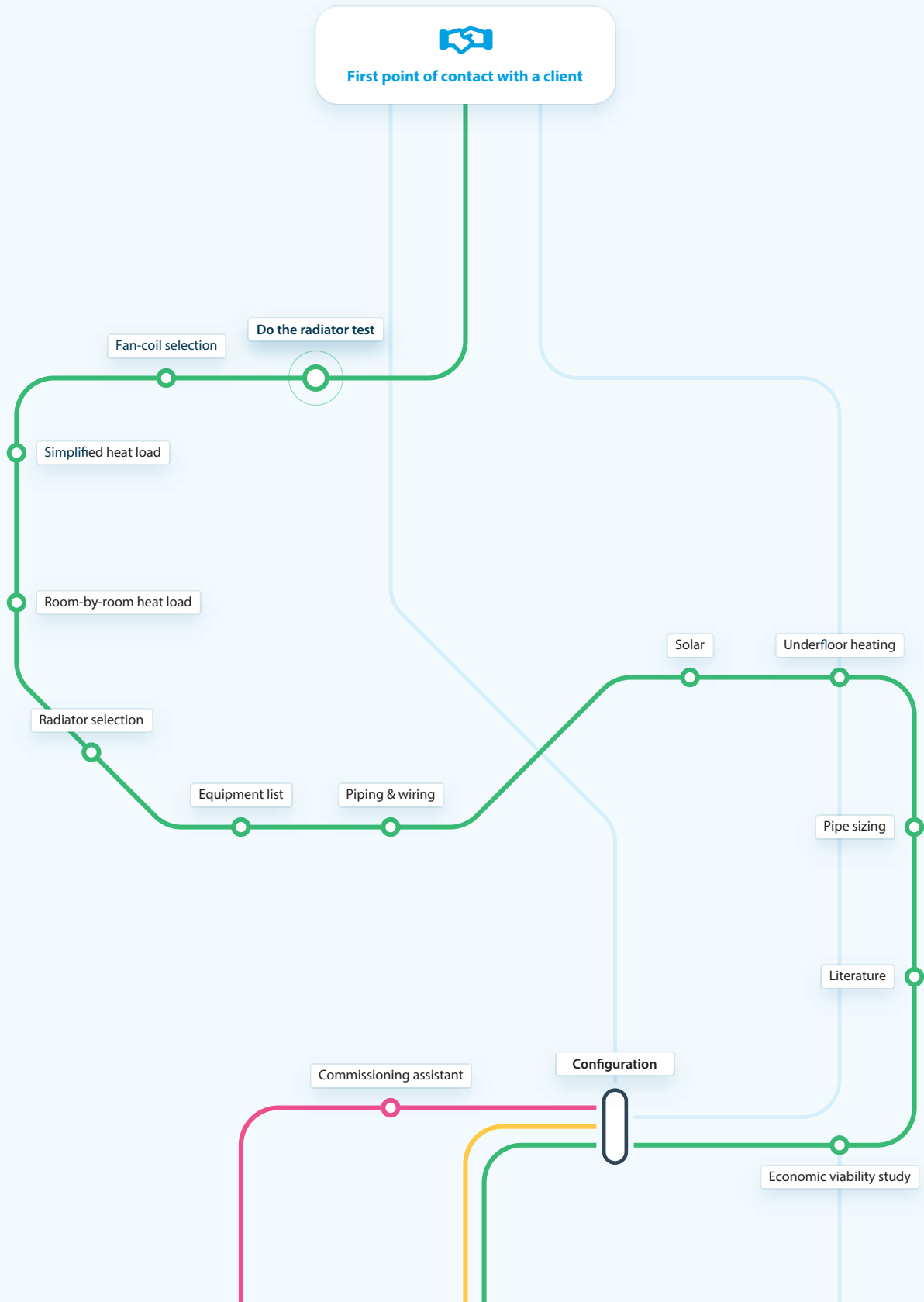
Adjust a room setpoint remotely

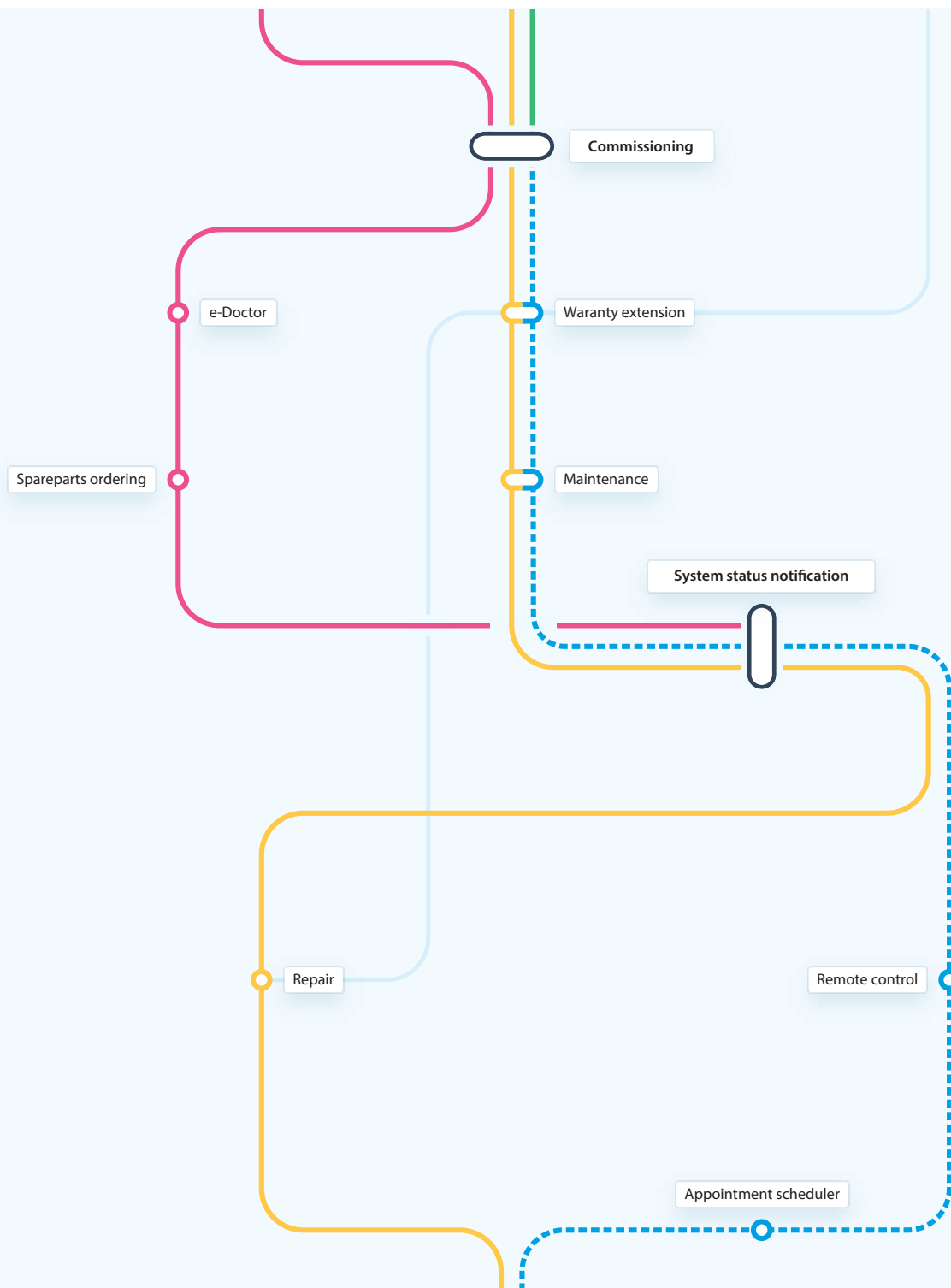


Adjust the weather-dependent curve remotely

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





**Heating Solutions Navigator**

- Do the radiator test
- Fan-coil selection
- Simplified Heat load
- Room by Room heat load
- Commissioning assistant
- Equipment list
- Piping & wiring
- Solar
- Underfloor heating
- Pipe sizing
- Literature
- Economic viability study
- Configuration
- Commissioning

**e-Care Mobile App**

- Commissioning assistant
- Commissioning
- e-Doctor
- Spareparts ordering
- System status notifications

**Stand By Me**

- Configuration
- Commissioning
- Warranty extension
- System status notifications

**Onecta App**

- Warranty extension
- Maintenance
- Remote control
- Appointment scheduler

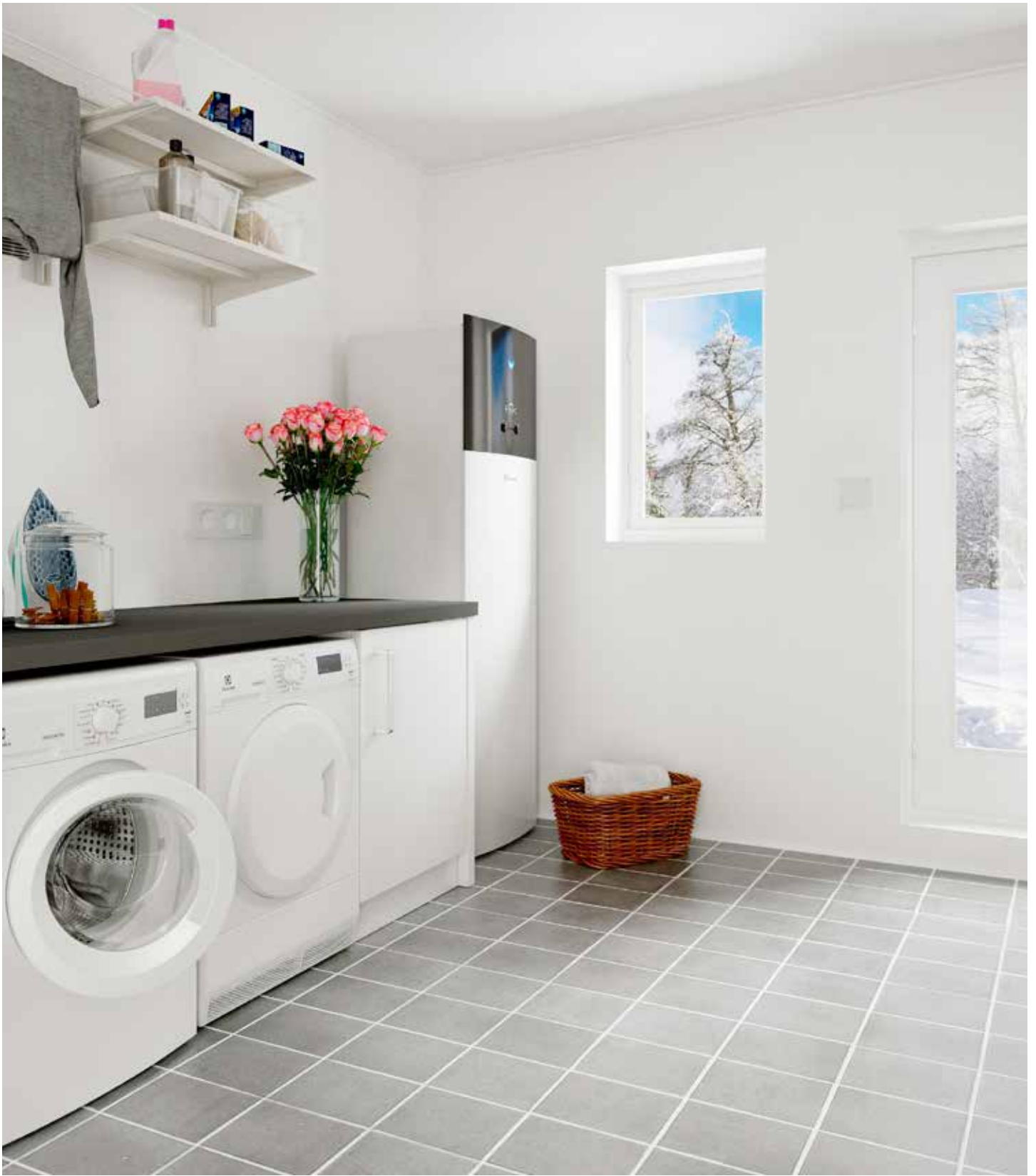
# Combination table and options

			Floor standing				
			Heating only		Reversible		Biz
			EHVH04S18E6V	EHVH08S18E6V	EHVX04S18E3V	EHVX08S18E6V	EHVZ04S18E6V
			EHVH04S23E6V	EHVH08S23E6V	EHVX04S23E3V	EHVX08S23E6V	
				EHVH08S18E9W	EHVX04S18E6V	EHVX08S18E9W	
				EHVH08S23E9W	EHVX04S23E6V	EHVX08S23E9W	
Type	Description	Material name					
Outdoor unit	4kW	ERGA04EAV3	•		•		•
	6kW	ERGA06EAV3H		•		•	
	8kW	ERGA08EAV3H		•		•	
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	•	•	•	•	•
	Wireless room thermostat	EKRTR1	•	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•	•
	Wired gital thermostat	EKRTWA	•	•	•	•	•
	LAN adapter + PRV solar	BRP069A61					
	LAN adapter	BRP069A62					
	WLAN module	BRP069A71	• (1)	• (1)	• (1)	• (1)	• (1)
	WLAN cartridge	BRP069A78	• (1)	• (1)	• (1)	• (1)	• (1)
	Universal centralzed controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	•	•	•	•	•
Sensors	Remote indoor sensor	KRCS01-1	• (2)	• (2)	• (2)	• (2)	• (2)
	Remote outdoor sensor	EKRSCA1	• (2)	• (2)	• (2)	• (2)	• (2)
	External sensor for EKRTR room thermostat	EKRTETS	• (3)	• (3)	• (3)	• (3)	• (3)
	External sensor for EKRTRB room thermostat	EKRTETSB	• (4)	• (4)	• (4)	• (4)	• (4)
Bizone kits	Watts kit	BZKA7V3	•	•	•	•	
	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					
Heat pump convector	Floor standing	FWXV15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
	Wall mounted	FWXT15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
	Concealed	FWXM15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
Other options	Digital I/O PCB	EKRPIHBAA	• (7)	• (7)	• (7)	• (7)	• (7)
	Demand PCB	EKRPIAHTA	•	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•	•
	Relay smart grid	EKRESLG	•	•	•	•	•
	Corner pipe bend kit	EKHVTC	•	•	•	•	•
Dedicated ECH <sub>2</sub> O options	Inline back-up heater (3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V					
	Inline back-up heater (6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V					
	Inline back-up heater (9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W					
	Inline back-up heater connection kit	EKECBUCO3AF					
	Dirt separator	156021					
	Bivalent connector kit	EKECBIVCO2AF					
	Drain-back connector kit	EKECDBCO2AF					
	Circulation stop valves (2 pcs)	165070					
Fill and drain connection KFE BA	165215						

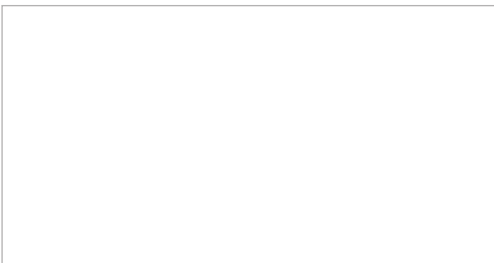
- (1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (In case bad reception of signal, the W-LAN cartridge can be removed and replace by WLAN module)
- (2) Only 1 sensor can be connected: indoor OR outdoor sensor.
- (3) Can only be used in combination with the wireless room thermostat EKRTR(1).
- (4) Can only be used in combination with the wireless room thermostat EKRTRB.

one	ECH <sub>2</sub> 0				Wall mounted			
	Standard		Bivalent		Heating only		Reversible	
	EHS04P30E	EHS08P30E	EHSB04P30E	EHSB08P30E	EHB04E6V	EHB08E6V	EHBX04E6V	EHBX08E6V
EHVZ08S18E6V								
EHVZ08S23E6V		EHS08P50E		EHSB08P50E		EHB08E9W		EHBX08E9W
EHVZ08S18E9W		EHSX04P30E		EHSXB04P30E				
EHVZ08S23E9W		EHSX04P50E		EHSXB04P50E				
		EHSX08P30E		EHSXB08P30E				
		EHSX08P50E		EHSXB08P50E				
	•		•		•		•	
•		•		•		•		•
•		•		•		•		•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
•	•	•	•	•	•	•	•	•
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)
• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)
• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)
					•	•	•	•
	•	•	•	•				
	•	•	•	•				
					•	•	•	•
					•	•	•	•
					•	•	•	•
					• (5)	• (5)	• (5)	• (5)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (7)					• (7)	• (7)	• (7)	• (7)
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	•	•	•	•				
			•	•				
	•	•	•	•				
	•	•	•	•				

(5) EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor  
(6) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).  
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.  
(8) Only 1 Backup heater can be connected on one unit: 3 or 6\* or 9 kW (\*No 6T1-model applicable). EKECBUCO\*AF is needed to connect the backup heater to the main unit.



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