



High temperature air-to-water heat pump Heating, cooling and domestic hot water











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Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H HT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products such as the Daikin Altherma 3 H HT. The Daikin Altherma 3 H HT is the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grill makes the unit fit into any environment.

All these dedicated components were specially developed in-house to make the Daikin Altherma 3 H HT unique.

Superior performance, renewable energy use, design and acoustic comfort. This is what the Quintessence of heat pump is all about.

BLUEVOLUTION

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions.

Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

R-32

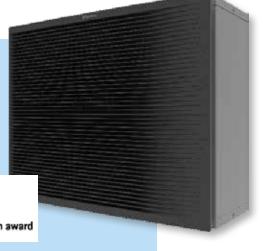
Design and space-saving installation

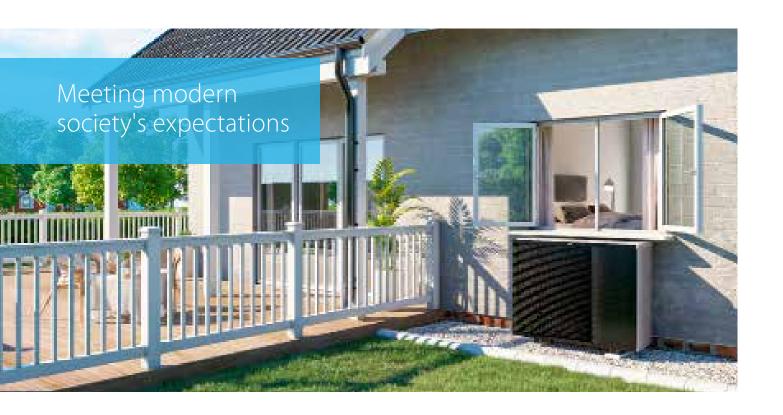
Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grill stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.





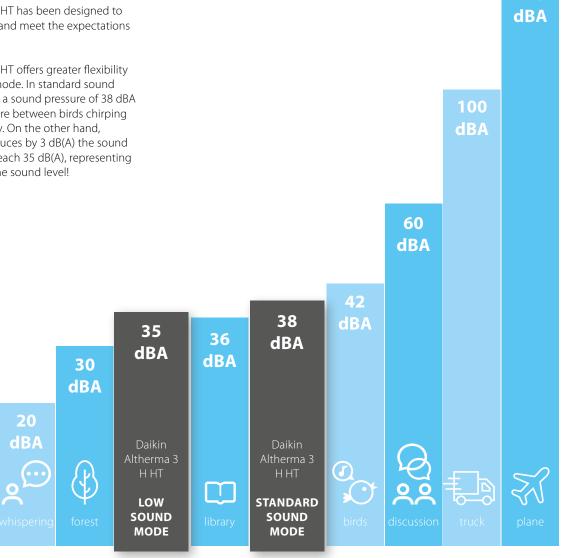




Silence rhymes with comfort

The Daikin Altherma 3 H HT has been designed to reduce its acoustic level and meet the expectations of today's society.

The Daikin Altherma 3 H HT offers greater flexibility by having a low sound mode. In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library. On the other hand, the low sound mode reduces by 3 dB(A) the sound pressure at 3 meters to reach 35 dB(A), representing a real reduction of half the sound level!



120

Innovation At the heart of our concerns

The Daikin Altherma 3 H HT is at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

A redesigned casing

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

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

This unique design already got design awards.





A single fan for high capacities

The single fan is slighlty larger, replacing the usual double fan for high capacity units (14-16-18 kW).

The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

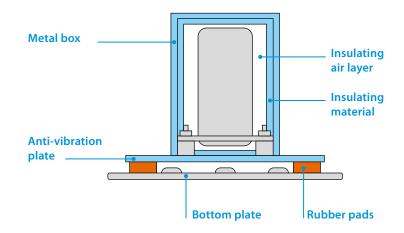


Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the Daikin Altherma 3 H HT benefits from a double sound reduction by using a rubber pads between the bottom plate and the vibration plate under the compressor.





New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. The Daikin Altherma 3 H HT compressor is able to deliver a high leaving water temperature of 70°C on its own.

Moreover, Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

Unrivalled capacities

With these new developments, the Daikin Altherma 3 H HT reached the best performances illustrated in the energy labels:





One solution, multiple combinations

The Daikin Altherma 3 H HT range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

Outdoor unit The outdoor unit is available in 3 classes 14-16-18 kW.

Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595x625mm. The unit is equipped with a tank of 180 or 230L to answer your domestic hot water demand.

Integrated ECH₂O DHW tank model

1270 mm

The ECH₂O unit is equipped with a thermal DHW tank of 300 or 500L that can be connected to thermal solar panels.

533 mm

Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water.







Get the best comfort

with the best functionalities

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

Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water. Reversible model If cooling is needed, all three indoors have dedicated reversible models. Reversible means that Zone 1 / Night: Bedrooms the system can invert its way of Equipped with radiators. working and provide cooling Programmed to work in the evening instead of heating. The cooling and in the morning. function requires a underfloor piping system or fan coil units. Zone 2 / Day: Living rooms Equipped with fan coils, and/or underfloor heating; works on demand

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

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

Bizone model

The integrated floor standing model also has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.







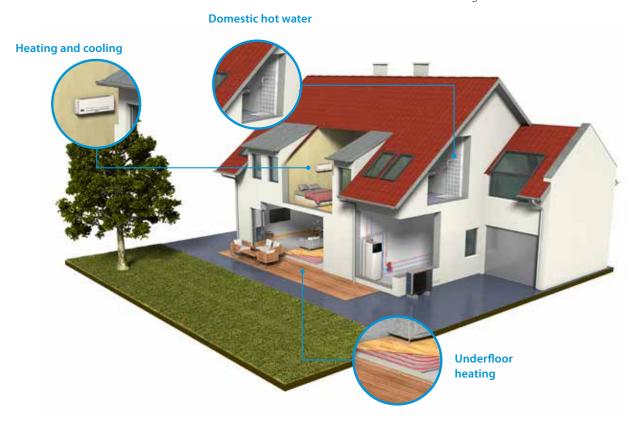


Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system to deliver heating, domestic hot water and cooling for renovation or large new built.

All in one system to save installation space and time

- > A combined stainless steel domestic hot water tank of 180 or 230 L and 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 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



All-in one design

Reduces the installation footprint and height

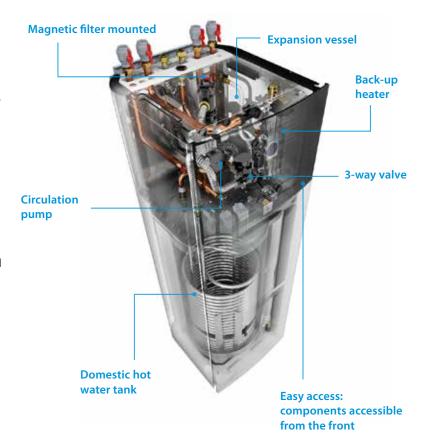
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

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 an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

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



Advanced user interface

The Daikin Eye

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

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

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

Easy operation

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

Beautiful design

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

Integrated indoor unit







Daikin Altherma 3 H HT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- 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 of 6 or 9 kW
- > Heat pump operation down to -28°C













Efficiency data			ETV	H + EPRA	16S18D6V(G)/ D9W(G) + 14DV/W	16S23D6V(G)/ D9W(G) + 14DV/W	16S18D6V(G)/ D9W(G) + 16DV/W	16S23D6V(G)/ D9W(G) + 16DV/W	16S18D6V(G)/ D9W(G) + 18DV/W	16S23D6V(G)/ D9W(G) + 18DV/V	
Space heating	Average	General	SCOP				3,58	/ 3,57			
♣	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%			1	40			
			Seasonal space heating	eff. class			A	++			
	Average	General	SCOP				4,51	/ 4,48			
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%			177	/ 176			
			Seasonal space heating	eff. class			A-	-++			
Domestic hot water heating	General	Declared le	oad profile		L	XL	L	XL	L	XL	
_	Average	COPdhw			2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	
•	climate	ŋwh (water	heating efficiency)	%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107	
		Water hea	ting energy efficiency	class				A			
Indoor Unit				ETVH	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	
Casing	Colour						White	+ Black	,	,	
•	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit			kg	109	118	109	118	109	118	
Tank	Water volur	ne		Ī	180	230	180	230	180	230	
	Maximum v	vater tempe	rature	°C			7	70			
-	Maximum v	vater pressu	re	bar			1	10			
	Maximum water pressure bar Corrosion protection						Picl	kling			
Operation range	Heating	· · · · · · · · · · · · · · · · · · ·						~ 70			
	Domestic hot water	Water side	Max.	°C			6	53			
Sound power level	Nom.			dBA			4	14			
Sound pressure level	Nom.			dBA			3	30			
Outdoor Unit				EPRA	140\	/3/W1	160\	/3/W1	180\	/3/W1	
Dimensions	Unit		HeightxWidthxDepth	mm	1401	3,441		270x533	100	13/111	
Weight	Unit		rieigiixwiddixDeptii	kg				/151			
Compressor	Quantity			, kg			170				
Compressor	Type						Hermetically seale	d scroll compressor			
Operation range	Cooling		Min.~Max.	°CDB				~ 43			
	Heating		Min.~Max.	°CDB				~ 35			
	Domestic h	ot water	Min.~Max.	°CDB				~ 35			
Refrigerant	Туре							-32			
	GWP							75			
	Charge			kg				20			
	Charge			TCO ₂ Eq				.84			
	Control			2 1				on valve			
Sound power level (at 1 meter)	Nom.				54						
Sound pressure level	Nom.			43,0 48,0							
Power supply	Name/Phas	Name/Phase/Frequency/Voltage Hz/V				Hz/V V3/1~/50/230 / W1/3~/50/400					
Current	Recommen	ded fuses	-	Α							





Daikin Altherma 3 H HT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- 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 of 6, 9 kW
- > Heat pump operation down to -28°C













Efficiency data			i	TVX + EPRA	16S18D6V(G)/ D9W(G) + 14DV/W	16S23D6V(G)/ D9W(G) + 14DV/W	16S18D6V(G)/ D9W(G) + 16DV/W	16S23D6V(G)/ D9W(G) + 16DV/W	16S18D6V(G)/ D9W(G) + 18DV/W	16S23D6V(G)/ D9W(G) + 18DV/V	
Space heating	Average	General	SCOP				3,62	/ 3,63			
_	climate water		ns (Seasonal space	%			1	42			
<u></u>	outlet 55°C		heating efficiency)					42			
			Seasonal space heat	ing eff. class				++			
	Average	General	SCOP				4	57			
	climate water		ns (Seasonal space	%			1	80			
	outlet 35°C		heating efficiency)								
			Seasonal space heat	ing eff. class				++			
Domestic hot water heating	General		oad profile		L	XL	L	XL	L	XL	
	Average	COPdhw			2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	
<u></u>	climate		heating efficiency)	%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107	
		Water hea	ting energy efficier	ncy class				A			
Indoor Unit				ETVX	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	
Casing	Colour						White	+ Black			
	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDeptl	n mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit			kg	109	118	109	118	109	118	
Tank	Water volur	ne			180	230	180	230	180	230	
	Maximum v	Maximum water temperature °C						0			
	Maximum v	vater pressu	re	bar				0			
	Corrosion protection							ding			
Operation range	Heating		Min.~Max.	°C				~ 70			
	Cooling		Min.~Max.	°C				- 50			
	Domestic hot water	Water side	Max.	°C	63						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA				30			
Outdoor Unit				EPRA	14D\	/3/W1	16D\	/3/W1	18DV	/3/W1	
Dimensions	Unit		HeightxWidthxDepth	mm				270x533			
Weight	Unit			kg			146	/151			
Compressor	Quantity							1			
	Type							d scroll compressor			
Operation range	Cooling		Min.~Max.	°CDB				~ 43			
	Heating		Min.~Max.	°CDB				~ 35			
	Domestic h	ot water	Min.~Max.	°CDB				~ 35			
Refrigerant	Туре							32			
	GWP							75			
	Charge			kg				20			
	Charge			TCO₂Eq				84			
	Control							on valve			
Sound power level (at 1 meter)	Nom.							54			
Sound pressure level	Nom.			43,0 48,0							
Power supply	Name/Phase		y/Voltage	Hz/V			V3/1~/50/230	/ W1/3~/50/400			
Current	Recommen	ded fuses		Α			32	/16			





Daikin Altherma 3 H HT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -28°C





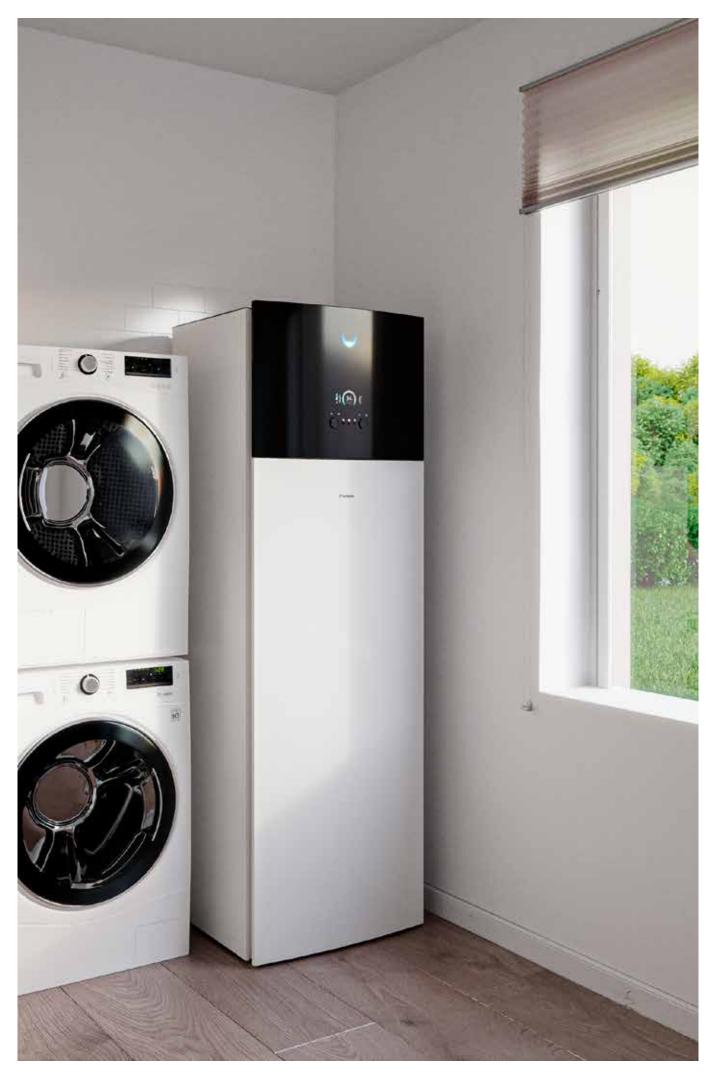








Efficiency data			ETV	Z + EPRA	16S18D6V/D9W + 14DV/W	16S23D6V/D9W + 14DV/W	16S18D6V/D9W + 16DV/W	16S23D6V/D9W + 16DV/W	16S18D6V/D9W + 18DV/W	16S23D6V/D9W + 18DV/W		
Space heating	Average	General	SCOP					/ 3,57	. 1021/11	. 1021/11		
	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%			1.	40				
			Seasonal space heating of	eff. class			A	++				
	Average	General	SCOP				4,51	/ 4,48				
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%			177	/ 176				
			Seasonal space heating of	eff. class			A+	++				
Domestic hot water heating	General	Declared le	oad profile		L	XL	L	XL	L	XL		
	Average	COPdhw			2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55		
<u>~</u>	climate	ŋwh (water	heating efficiency)	%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107		
•		Water heati	ng energy efficiency clas	SS				A				
Indoor Unit				ETVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W		
Casing	Colour						White	+ Black		1		
3	Material						Precoated	sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	120	128	120	128	120	128		
Tank	Water volur	ne		Ī	180	230	180	230	180	230		
	Maximum v	vater tempe	rature	°C			7	70				
_	Maximum v	vater pressu	re	bar			1	10				
	Corrosion p	Maximum water pressure bar Corrosion protection					Picl	kling				
Operation range	Heating	Water side	Min.~Max.	°C		15 ~ 70						
	Domestic hot water	Water side	Max.	°C			6	53				
Sound power level	Nom.			dBA			4	14				
Sound pressure level	Nom.			dBA				30				
Outdoor Unit				EPRA	14D\	/3/W1	16D\	/3/W1	18D\	/3/W1		
Dimensions	Unit		HeightxWidthxDepth	mm			1003x1	270x533				
Weight	Unit			kg			146	/151				
Compressor	Quantity							1				
	Type						Hermetically sealed	d swing compressor				
Operation range	Cooling		Min.~Max.	°CDB			10 -	~ 43				
	Domestic h	ot water	Min.~Max.	°CDB			-28	~ 35				
Refrigerant	Туре						R-	-32				
	GWP						6	75				
	Charge			kg			4.	20				
	Charge			TCO ₂ Eq				84				
	Control							on valve				
Sound power level (at 1 meter)	Nom.	Nom.			54							
Sound pressure level	Nom.				43,0 48,0							
Power supply	Name/Phase	e/Frequency	y/Voltage	Hz/V	Hz/V V3/1~/50/230 / W1/3~/50/400							
Current	Recommen	ded fuses		Α			32					





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

Innovative and high-quality tank

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

Combinable with other heat sources

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

ECH₂O



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 iconbased menus.

Beautiful design

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

ECH₂O thermal store range: additional hot water comfort

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

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

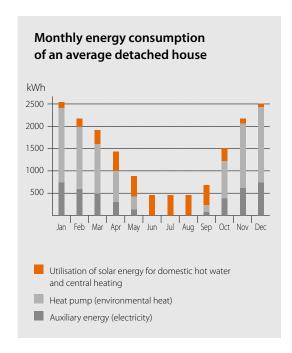
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

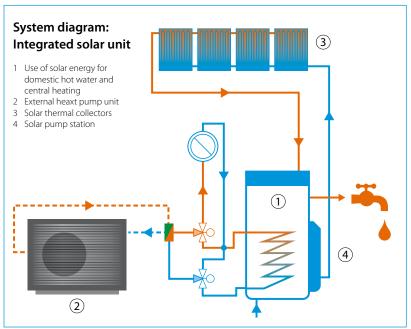
Pressureless (drain-back) solar system (ETSH-D, ETSX-D)

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

Pressurised solar system (ETSHB-D, EHSXB-D)

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









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
- > Heat pump operation down to -28°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump











Efficiency data			ETSH	+ EPRA	16P30D+	16P50D+	16P30D+	16P50D +	16P30D+	16P50D+		
					14DV/W	14DV/W	16DV/W	16DV/W	18DV/W	18DV/W		
Space heating	Average climate		SCOP				3,58	/ 3,57				
•	water outlet 55°C		ns (Seasonal space	%			1	40				
•			heating efficiency) Seasonal space heating eff.	elace								
•	Average climate	Conoral	SCOP	LIdSS				++				
	water outlet 35°C		ns (Seasonal space	%			4,51	/ 4,48				
			heating efficiency)					/ 176				
Domestic hot water heating	General	Declared lo	Seasonal space heating eff.	class				-++ <l< td=""><td></td><td></td></l<>				
Joinestic not water neating	Average	COPdhw	au pronie		2.38	2.75 / 2.67	2,38	2.75 / 2.67	2,38	2,75 / 2,67		
	climate		heating efficiency)	%	101	115 / 111	101	115 / 111	101	115 / 111		
			ing energy efficiency cla	SS	-			A				
Indoor Unit				ETSH	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D		
Casing	Colour					Tra	affic white (RAL9016) / Dark grey (RAL70	11)			
	Material						Impact resistan	t polypropylene				
Dimensions	Unit		HeightxWidthxDepth	mm		1891x590x615		1896x785x785	1891x590x615	1896x785x785		
Weight	Unit			kg		77		94	77	94		
Tank	Water volum	ne		- 1		294		477	294	477		
	Maximum w	ater temper	ature	°C		85						
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 35				
		Water side	Min.~Max.	°C			15	~ 70				
	Domestic Ambie		Min.~Max.	°CDB	-28 ~ 35							
	hot water	Water side	Min.~Max.	°C			10	~ 63				
Sound power level	Nom.			dBA			4	5.6				
Sound pressure level	Nom.			dBA			3	2.8				
Outdoor Unit				EPRA	14DV	/3/W1	16D\	/3/W1	18D\	/3/W1		
Dimensions	Unit		HeightxWidthxDepth	mm			1003x1	270x533				
Weight	Unit			kg			146	/ 151				
Compressor	Quantity							1				
	Type						Hermetically seale	d swing compressor				
Operation range	Cooling		Min.~Max.	°CDB			-28	~ 35				
	Domestic ho	ot water	Min.~Max.	°CDB			-28	~ 35				
Refrigerant	Type						R	-32				
•	GWP						6	75				
	Charge			kg			4	.20				
	Charge			TCO ₂ Eq			2	.84				
	Control							on valve				
Sound power level (at 1 meter)	Nom.						•	54				
Sound pressure level	Nom.			43,0 48,0								
Power supply	Name/Phase	/Frequency/	Voltage	Hz/V	V3/1~/50/230 / W1/3~/50/400							
Current	Recommend		·	Α								





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
- > Heat pump operation down to -28°C











Efficiency data			ETSHE	-D + EPRA	18P30D + 14DV/W	16P50D + 14DV/W	18P30D + 16DV/W	18P50D + 16DV/W	18P30D + 18DV/W	18P50D + 18DV/W
Space heating	Average climate	General	SCOP			1 - 1 - 1 / 1 -		/ 3,57	100171	
	water outlet 55°C	-	ns (Seasonal space	%			1	40		
♣			heating efficiency) Seasonal space he	ating						
•			eff. class				Α	++		
	Average climate water outlet35°C		SCOP	%			4,51	/ 4,48		
	water outletss C		ns (Seasonal space heating efficiency)				177	/ 176		
			Seasonal space he eff. class	ating			A-	+++		
Domestic hot water heating	General		oad profile)	(L		
	Average	COPdhw			2,38	2,58 / 2,75	2,38	2,58 / 2,75	2,38	2,58 / 2,75
×.	climate		neating efficiency)	%	101	108 / 115	101	108 / 115	101	108 / 115
•		Water heat	ing energy efficiency cl	iss				A		
Indoor Unit				ETSHB	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour					Tra	affic white (RAL9016	i) / Dark grey (RAL70	11)	
	Material						Impact resistan	t polypropylene		
Dimensions	Unit		HeightxWidthxDepth	mm		1891x590x615		1896x785x790	1891x590x615	1896x785x785
Weight	Unit			kg		79		100	79	100
Tank	Water volur			- 1		294		477	294	477
Maximum water to peration range Heating Amb				°C				35		
_	Heating	Ambient	Min.~Max.	°C				~ 35		
		Water side		°CDB				~ 70		
	Domestic hot water	Ambient	Min.~Max.	°CDB				~ 35		
Sound power level	Nom.	water side	iviin.~iviax.	dBA				~ 73 5.6		
Sound pressure level	Nom.			dBA				2.8		
Outdoor Unit Dimensions	Unit		HeightxWidthxDepth	EPRA mm	14D\	/3/W1		/3/W1	18D\	/3/W1
Weight	Unit		HeightxwiathxDepth	kg				270x533		
Compressor	Quantity			NY				/ 151 1		
compressor	Type							d swing compressor		
Operation range	Heating		Min.~Max.	°CDB				~ 35		
	Domestic h	ot water	Min.~Max.	°CDB				~ 35		
Refrigerant	Туре						R	-32		
-	GWP						6	75		
	Charge			kg			4	.20		
	Charge			TCO₂Eq			2	.84		
	Control						Expans	on valve		
Sound power level (at 1 meter)	Nom.						į	54		
Sound pressure level	Nom.			43,0 48,0						
Power supply	Name/Phase/Frequency/Voltage Hz/V			13/1 /30/230/11/3 /30/100						
Current	Recommen	ded fuses		A			32	/16		





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 -28°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump





EPRA14-18DV3/W1



ETSX-D





Efficiency data			ET	SX + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W
Space heating	Average climate	General	SCOP				3,62	/ 3,63		
_	water outlet 55°C		ns (Seasonal space	%			1	42		
			heating efficiency)							
			Seasonal space heating	eff. class				1++		
	Average climate	General	SCOP				4	,57		
	water outlet 35℃		ns (Seasonal space	%			1	80		
			heating efficiency) Seasonal space heating	off class			Α			
Domestic hot water heating	General	Declared lo		en. class				+++ XL		
Domestic not water neating	Average	COPdhw	au prome		2,38	2,75 / 2,67	2,38	2,75 / 2,67	2,38	2,75 / 2,67
•	climate		eating efficiency)	%	101	115 / 111	101	115 / 111	101	115 / 111
	Cilliate		energy efficiency class	70	101	113/111			101	113/111
•		water neating	renergy eniciency class					A		
Indoor Unit				ETSX	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour					Tr	raffic white (RAL901		011)	
	Material						Impact resistar	nt polypropylene		
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785
Weight	Unit			kg	77	94	77	94	77	94
Tank	Water volui			- 1	294	477	294	477	294	477
		vater temper		°C				85		
Operation range	Heating	Ambient	Min.~Max.	°C				3~35		
		Water side		°C				i~70		
	Cooling	Ambient	Min.~Max.	°CDB)~43		
		Water side	Min.~Max.	°C						
	Domestic	Ambient	Min.~Max.	°CDB				3~35		
	hot water	Water side	Min.~Max.	°C)~63		
Sound power level	Nom.			dBA				5.6		
Sound pressure level	Nom.			dBA			3	2.8		
Outdoor Unit				EPRA	14D\	/3/W1	16DV	/3/DW1	18DV	3/DW1
Dimensions	Unit		HeightxWidthxDepth	mm			1003x1	270x533		
Weight	Unit			kg			146	5/151		
Compressor	Quantity							1		
	Type						Hermetically seale	d swing compresso	r	
Operation range	Heating		Min.~Max.	°CDB			-28	~ 43		
	Cooling		Min.~Max.	°CDB			10	~ 43		
	Domestic h	ot water	Min.~Max.	°CDB			-25	i ~35		
Refrigerant	Type							-32		
	GWP							75.0		
	Charge			kg			4	.20		
	Charge						_			
				TCO₁Ea			2	84		
	Charge			TCO₂Eq				ion valve		
Sound power level	Charge			TCO₂Eq			Expans	ion valve 54		
(at 1 meter)	Charge Control			TCO₂Eq		4	Expans	ion valve	4	8.0
	Charge Control Nom.	e/Frequency	/Voltage	TCO₂Eq		4	Expans	ion valve	4	8,0





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

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











Efficiency data			ETSXI	3-D + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W	
Space heating	Average climate	General	SCOP				3,62	2 / 3,63			
_	water outlet 55°C		ns (Seasonal space	%				142			
			heating efficiency)	"							
	Average climate	General	Seasonal space heatin	g en. class	1			\++ 1.57			
	water outlet 35°C	General	ns (Seasonal space	%				1,57			
	Water outlet 33 C		heating efficiency)	70			•	180			
			Seasonal space heatin	a eff. class			A	+++			
Domestic hot water heating	General	Declared lo		J				XL			
•	Average	COPdhw			2,38	2,58 / 2,75	2,38	2,58 / 2,75	2,38	2,58 / 2,75	
	climate	ŋwh (water he	ating efficiency)	%	101	108 / 115	101	108 / 115	101	108 / 115	
			energy efficiency class					A			
Indoor Unit				ETSXB-D	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour			LIJAD-D	101 300			6) / Dark grey (RAL7		101 300	
cusing	Material							nt polypropylene	011)		
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785	
Weight	Unit		.,	kg	79	100	79	100	79	100	
Tank	Water volui	me		Ĭ	294	477	294	477	294	477	
	Maximum v	water temper	ature	°C				85			
Operation range	Heating	Ambient	Min.~Max.	°C			-2	5~35			
	Wa		Min.~Max.	°C			15	5~70			
_	Cooling	Ambient	Min.~Max.	°CDB				0~43			
		Water side		°C							
	Domestic	Ambient	Min.~Max.	°CDB				8~35			
	hot water	Water side	Min.~Max.	°C				0~63			
Sound power level	Nom.			dBA				15.6			
Sound pressure level	Nom.			dBA			3	32.8			
Outdoor Unit				EPRA	14DV	3/DW1	16D	V3/W1	18D	/3/W1	
Dimensions	Unit		HeightxWidthxDepth	mm			1003x	1270x533			
Weight	Unit			kg			14	6/151			
Compressor	Quantity							1			
	Type							ed swing compresso	r		
Operation range	Heating		Min.~Max.	°CDB				3 ~ 35			
	Cooling		Min.~Max.	°CDB				~ 43			
	Domestic h	ot water	Min.~Max.	°CDB				5 ~35			
Refrigerant	Type							R-32			
	GWP							75.0			
	Charge			kg				1.20			
	Charge			TCO ₂ Eq				2,84			
	Control							sion valve			
Sound power level (at 1 meter)	Nom.							54			
Sound pressure level	Nom.					Λ	3,0		Λ	8,0	
Power supply		se/Frequency,	Moltage	Hz/V							
Current	Recommen		, voitage	A							
This page contains pro		iaca iases			32/10						











Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

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



Flexibility in providing domestic hot water

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

ECH₂O thermal store range: additional hot water comfort

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

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



Flexibility in providing space heating

Daikin Altherma 3 H HT W is the prefect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

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







Daikin Altherma 3 H HT W

Wall mounted **heating only** air-to-water heat pump

- > 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
- > Heat pump operation down to -28°C











Efficiency data			ETBH	+ EPRA	16D6V + 14DV/DW	16D9W + 14DV/DW	16D6V + 16DV/W	16D9W + 16DV/W	16D6V + 18DV/DW	16D9W + 18DV/DW		
Space heating	Average	General	SCOP				3,58	/ 3,57				
<u>.</u>	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%			14	40				
			Seasonal space heatin	g eff. class			A-	++				
	Average	General	SCOP				4,51	/ 4,48				
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%			177	/ 176				
			Seasonal space heatin	g eff. class			A+	++				
Indoor Unit				ETBH	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W		
Casing	Colour						White	+ Black				
	Material						Sheet	metal				
Dimensions	Unit		HeightxWidthxDepth	mm			840x4	40x390				
Weight	Unit			kg			4	2				
Operation range	Heating	Water side	Min.~Max.	°C	18 ~ 70							
	Domestic hot water	Water side	Min.~Max.	°C			25 -	~ 80				
Sound power level	Nom.			dBA	dBA 44							
Sound pressure level	Nom.			dBA			3	0				
Outdoor Unit				EPRA	14DV3/DW1 16DV3/W1 18DV3/DW1							
Dimensions	Unit		HeightxWidthxDepth	mm			1003x1	270x533				
Weight	Unit			kg			146	/151				
Compressor	Quantity							1				
	Type						Hermetically sealed	d swing compressor				
Operation range	Cooling		Min.~Max.	°CDB			-28	~ 35				
	Domestic h	ot water	Min.~Max.	°CDB			-25	~ 35				
Refrigerant	Туре							32				
	GWP						67					
	Charge			kg				20				
	Charge			TCO ₂ Eq								
	Control				Expansion valve							
Sound power level (at 1 meter)	Nom.				54							
Sound pressure level	Nom.				43,0 48,0							
Power supply	Name/Phas	e/Frequency.	/Voltage	Hz/V	/V V3/1~/50/230 / W1/3~/50/400							
Current	Recommen	ded fuses		Α	A 32/16							





Daikin Altherma 3 H HT W

Wall mounted **reversible** air-to-water heat pump

- > 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
- > Heat pump operation down to -28°C











Efficiency data			ETBX	+ EPRA	16D6V + 014DV/W	16D9W + 14DV/W	16D6V + 16DV/W	16D9W + 16DV/W	16D6V + 18DV/W	16D9W + 18DV/W		
Space heating	Average	General	SCOP				3,62	3,63	'			
_	climate water		ns (Seasonal space	%			14	12				
<u></u>	outlet 55°C		heating efficiency)					+Z 				
•			Seasonal space heating	g eff. class			A-	+				
	Average	General	SCOP				4,	57				
	climate water		ns (Seasonal space	%	180							
	outlet 35°C		heating efficiency)									
			Seasonal space heating	g eff. class			A+	++				
Indoor Unit				ETBX	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W		
Casing	Colour						White-	+ Black				
	Material						Sheet	metal				
Dimensions	Unit		HeightxWidthxDepth	mm			840x44	10x390				
Weight	Unit			kg			4	2				
Operation range	Heating	Water side	Min.~Max.	°C	18 ~ 70							
	Cooling	Water side	Min.~Max.	°C			5 ~	50				
		Water side	Min.~Max.	°C			25 ~	- 80				
	water			IDA 44								
Sound power level	Nom.			dBA 44								
Sound pressure level	Nom.			dBA			3	0				
Outdoor Unit				EPRA	14DV3/DW1 16DV3/W1 18DV3/DW1							
Dimensions	Unit		HeightxWidthxDepth	mm			1003x12	270x533				
Weight	Unit			kg			146/	151				
Compressor	Quantity						1					
	Type						Hermetically sealed	swing compressor				
Operation range	Cooling		Min.~Max.	°CDB			10 ~	· 43				
	Heating		Min.~Max.	°CDB			-28					
	Domestic ho	ot water	Min.~Max.	°CDB			-25					
Refrigerant	Type						R-:	32				
	GWP						67.					
	Charge			kg			4,2					
	Charge			TCO₂Eq								
	Control						Expansion					
Sound power level (at 1 meter)	Nom.				54							
Sound pressure level	Nom.				43,0 48,0							
Power supply	Name/Phase	e/Frequency	Voltage	Hz/V	z/V V3/1~/50/230 / W1/3~/50/400							
	Recommend				A 32/16							



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 ECH₂O thermal store range

ECH₂O thermal store: additional hot water comfort

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

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

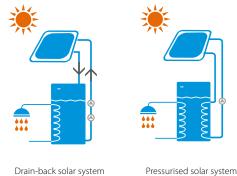
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

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

Reliability

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

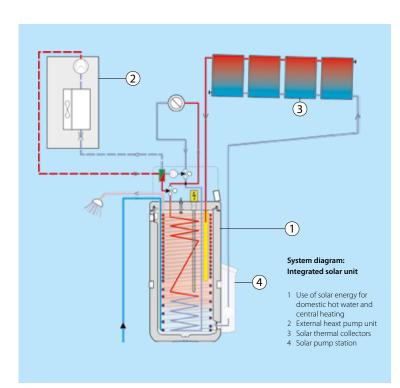


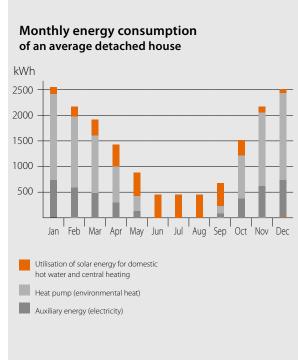
Pressureless (drain-back) solar system

- > 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





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		ĺ		Traffic white (RAL9016) / Dark grey (RAL7011)		
	Material				Impact resistan	t 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 volu	me	- 1	294	477	294	477	
	Material				Polypr	opylen		
<u>.</u>	Maximum v	water temperature	°C		8	5		
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7	
	Energy effic	ciency class			l	3		
	Standing h	eat loss	W	64	72	64	72	
	Storage vol	ume	- 1	294	477	294	477	
Heat exchanger	Domestic	Quantity				1		
	hot water	Tube material			Stainless stee	l (DIN 1.4404)		
		Face area	m²	5.600	5.800	5.600	5.900	
		Internal coil volume	- 1	27.1	28.1	27.1	28.1	
		Operating pressure	bar			5		
		Average specifc thermal output	W/K	2,790	2,825	2,790	2,825	
	Charging	Quantity		1				
		Tube material			Stainless stee	l (DIN 1.4404)		
		Face area	m²	3	4	3	4	
		Internal coil volume	- 1	13	18	13	18	
		Operating pressure	bar		:	3		
		Average specifc thermal output	W/K	1,300	1,800	1,300	1,800	
	Pressurised solar	Average specifc thermal output	W/K		=	390.00	840.00	
	Auxiliary solar	Tube material		-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)	
	heating	Face area	m²	=	1	-	1	
		Internal coil volume	- 1	=	4	-	4	
		Operating pressure	bar	-	3	-	3	
		Average specifc thermal output	W/K	-	280	-	280	

Domestic hot water tank

Stainless steel domestic hot water tank

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



Accessory			EKHWS	150(U)D3V3	180(U)D3V3	200(U)D3V3	250(U)D3V3	300(U)D3V3
Casing	Colour					Neutral white		
	Material				Ероху соа	ited steel / Epoxy-coated	l mild steel	
Weight	Unit	Empty	kg	45	50	53	58	63
Tank	Water volu	me	1	145	174	192	242	292
	Material				9	Stainless steel (EN 1.4521	1)	
~	Maximum v	water temperature	°C			75		
•	Insulation	Heat loss	kWh/24h	1.1	1.2	1.3	1.4	1.6
	Energy effic	ciency class				В		
	Standing h	eat loss	W	45	50	55	60	68
	Storage vol	ume	1	145	174	192	242	292
Heat exchanger	Domestic	Quantity				1		
	hot water	Tube material			9	Stainless steel (EN 1.4521	1)	
		Face area	m²	1.050	1.400		1.800	
		Internal coil volume	1	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



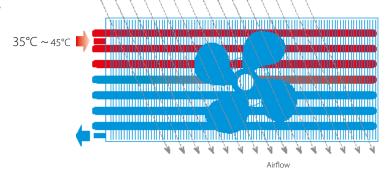
By providing cooling and heating, Daikin Altherma HPC is combinable with underfloor piping and can replace outdated radiators. The unit is available in three models (floor standing, wall mounted and concealed) and fits in any bedrooms or living rooms thanks to its silent operation.



What is a heat pump convector

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

A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures in the radiator, and in the long run, contribute to direct energy savings or users.

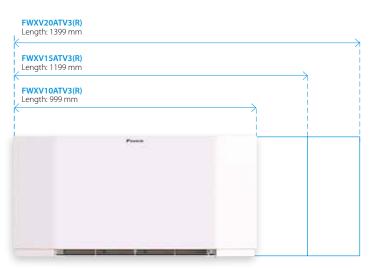


- > Optimized for new build houses
- > Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.



Slim design

The floor standing Daikin Altherma HPC measures 135 mm (depth), this heat pump can fit in any house or apartment.





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 selected at ultra-low temperatures (35/30°C regime).

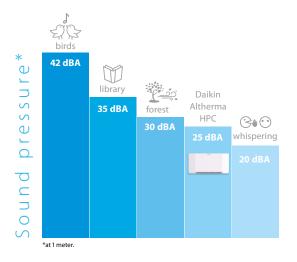






Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. The unit's sound pressure measures 25dB(A) at 1m when the fan is on a low-speed setting.





DC Inverter

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



Controls

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





Modulated airflow

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



*Only applicable for EKRTCTRL1, EKWHCTRL1



Perfect combination

This heat pump convector fits perfectly within the Daikin Altherma 3 range.

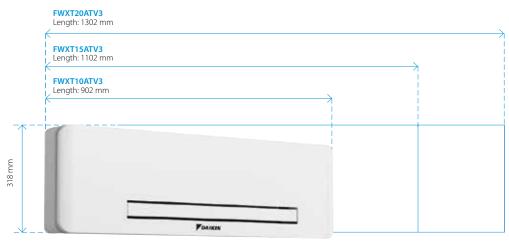






Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves. Its wall hung application saves space on the floor for furnitures and decoration.



Depth: 128 mm



Controls

Fully modulating controller allowing remote control of the unit.

EKWHCTRL1



- > Wall controller
- > Fully modulating



Compactness



SLIM DEPTH

Depth of 129 mm is an outstanding technical achievement that ensures the best fitting into any residential dwelling.

MORE SPACE FOR VALVES

A special attention to the easiness of installation: the space for hydraulic valves is wide and easy accessible.



MODULATED AIRFLOW

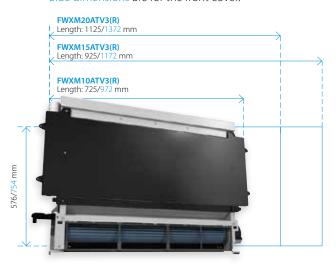
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.





Slim design

Blue dimensions are for the front cover.



Depth: 128 mm



Flexible installation

Daikin Altherma HPC can be installed in 4 different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally of vertically. For horizontal, in ceiling installation, 3 different possibilities are offered:

- > Horizontal cover panel and vertical grill for air outlet
- > Horizontal intake grill and vertical grill for air outlet
- > Horizontal in and out grills for air outlet



Controls

EKWHCTRL1



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





Madoka

The beauty of simplicity.







User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

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





BRC1HHDW / BRC1HHDS / BRC1HHDK

Madoka wired remote controller for Daikin Altherma 3

A new generation of user interface, redesigned and intuitive



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







Intuitive control with a premium design:

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

Three colours to match any interior design:

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

White offers a sleek, modern look.

Easily set operation parameters:

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

Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version.

To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store.









www.daikin.eu/madoka

Online controllers



Daikin Residential Controller

The Daikin Residential Controller application can, from any place at any time, control and monitor the status of your heating system and allows you to (*):

Monitor

- > The status of your system:
- Room temperature
- Requested room temperature
- Operation mode
- > Energy consumption graphs (day, week, month)

Schedule

> Schedule the room temperature and operation mode with up to **6 actions per day for 7 days** Í Enable **holiday mode**

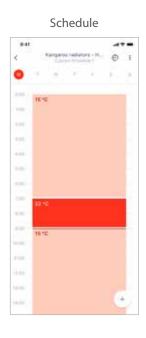
Control

- > Operation mode
- Í Change the requested room temperature
- I Change the requested domestic hot water temperature
- Powerful mode (fast heating domestic hot water)



App with intuitive lay-out

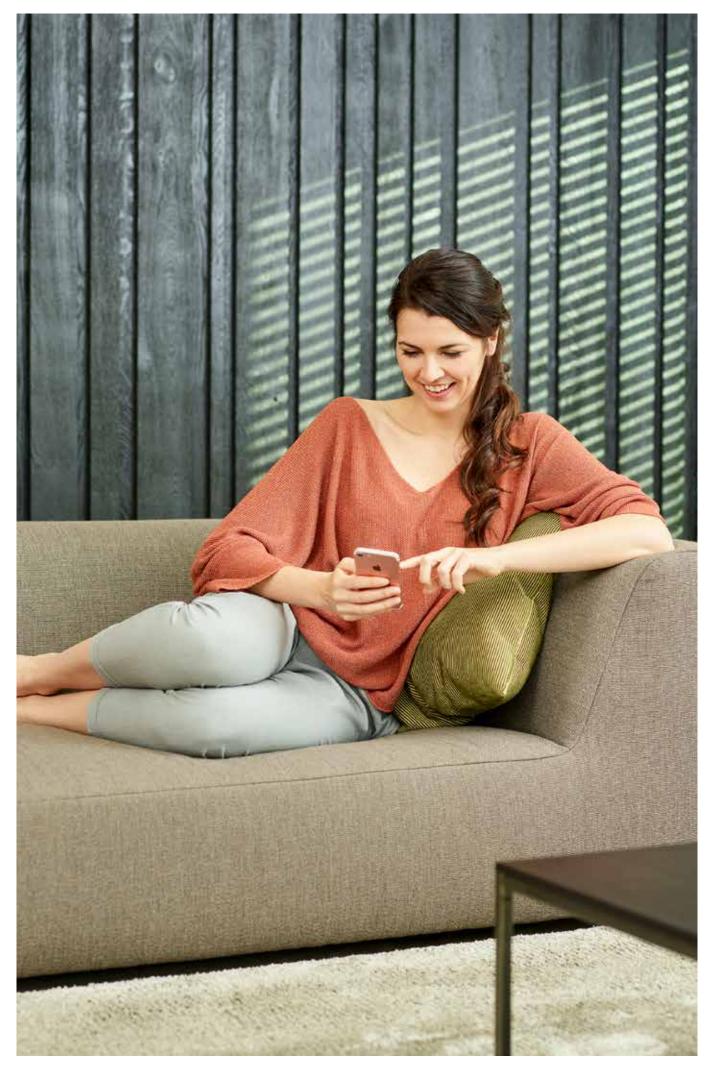
Control







^{*}Availability of functions is depending on the system type, configuration and operation mode. App functionality is only available if both the Daikin system and the App have Internet connectivity.



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 programme, 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.



Free warranty extension



The first advantage of **Stand By Me** is a free warranty extension:

- **▼** applies to both labour and parts
- **▼** begins immediately after registration

X

Quick follow-up by Daikin service partners

Daikin service partners are automatically notified when a customer registers their installation on **www.standbyme.daikin.eu** and needs maintenance.

Your customer is guaranteed:

- **▼** quick and reliable service
- management of all information related to their installation such as, registration documents, attendance records, maintenance records, etc.
- ✓ realtime error codes are informing the service partner about possible issues



Extended warranty on parts

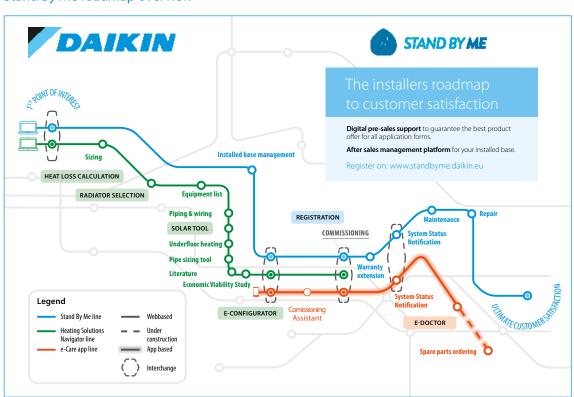
For a small fee, customers can extend the warranty on specific parts. Contact your local Daikin branche to have more information about the specific offer in your country.

Stand By Me guarantees:

- **▼** that each component is replaced quickly
- ✓ helps avoid financial surprises
- ✓ long life and smooth operation and all other benefits of a Daikin installation
- reliable service from official Daikin service partners

Daikin service partners work exclusively with Daikin parts and have all of the necessary technical knowledge to solve any issue that may arise.

Stand By Me roadmap overview

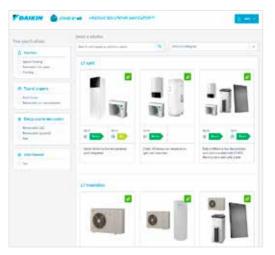


Heating Solutions Navigator



Want to know more about our Heating Solutions Navigator?

- > The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers home.
- > With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





E-Care app

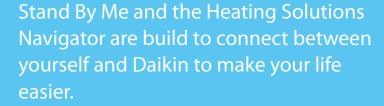


The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.



STAND BY ME

www.standbyme.daikin.eu



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



SIZING

HSN Heat loss calculation tool/ Room by Room

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

SOLAR

HSN Solar Selection

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

PIPE SIZING TOOL

Calculate the maximum hydronic piping length from the indoor unit to the outdoor unit based on the emitter pressure drop or the other way around.

ECONOMIC VIABILITY STUDY

Compare your Daikin solution with a benchmark solution.

LITERATURE

INSTALLED BASE MANAGEMENT



SOLUTIONS NAVIGATOR (HSN)

professional.standbyme.daikin.eu

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.



EQUIPMENT LIST

RADIATOR

HSN Radiator Selection Tool

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

UNDERFLOOR HEATING

The underfloor Heating Tool gives the customer an indication of material that is needed for a specific project. A detailed calculation and floorplan can also be asked via this toolbox.

PIPING & WIRING

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

CONFIGURATION TOOL

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



CONTACT YOUR LOCAL SBM/HSN SPECIALIST

REGISTRATION

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

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

COMMISSIONING

WARRANTY EXTENSION

COMMISSIONING ASSISTANT

Use this special hydro check module during commissioning.

SYSTEM STATUS NOTIFICATION

SYSTEM STATUS

NOTIFICATION

Receive malfunction codes of your installations directly on your Stand By Me platform or via a notification in the e-Care app.

E-DOCTOR

Part of e-Care

MAINTENANCE

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

REPAIR





SPARE PARTS ORDERING

E-CARE



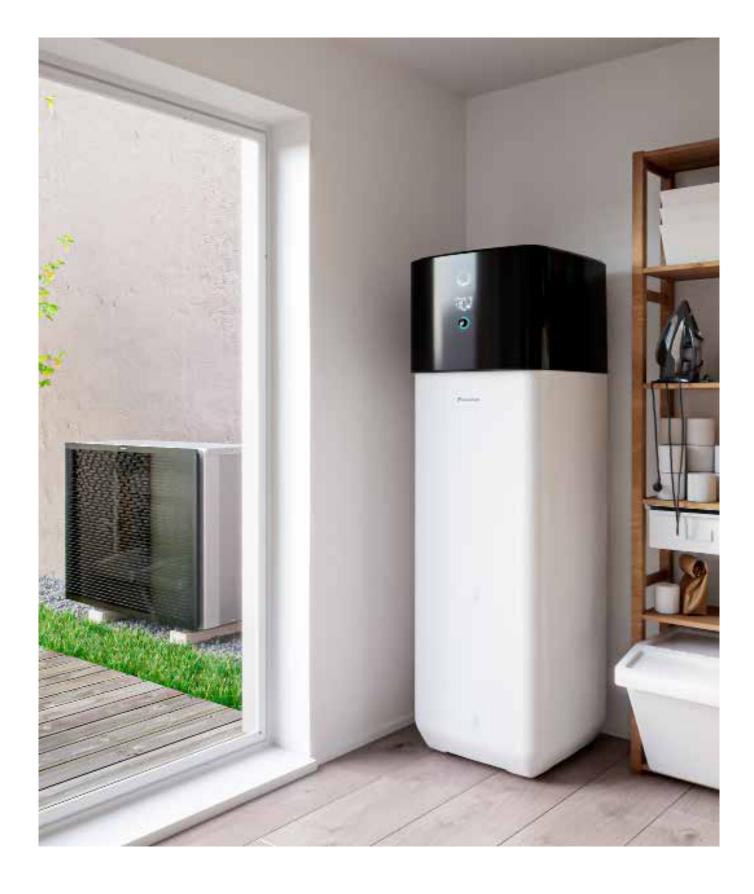




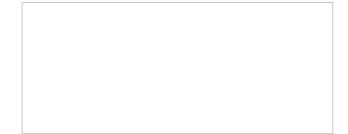
Combination	table and entions		Wall mounted H/O Reversible	
Combination	n table and options		(White)	(White)
			ETBH16DA6V	
Туре	Description	Material name	ETBH16DA9W	ETBX16DA9W
tdoor unit		EPRA14DAV3/W1	•	•
		EPRA16DAV3/W1	•	•
		EPRA18DAV3/W1	•	•
ntrols	Wired room thermostat	BRC1HHDA*	•	•
	Wired digital thermostat	EKWCTRDI1V3	•	•
	Wired analog thermostat	EKWCTRAN1V3	0	•
	Valve actuator	EKWCVATR1V3	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•
	LAN Adaptors LARD	BRP069A61	•	•
	LAN Adapters + APP	BRP069A62	•	•
	W-LAN adapter (Module / Cartridge)	BRP069A71 / BRP069A78	•	•
at pump convector	Floor standing	FWXV10-15-20ATV3	0	•
	Wall mounted	FWXT10-15-20ATV3	•	•
	Concealed	FWXM10-15-20ATV3	•	•
mestic hot water tank		EKHWS(U)150D3V3	•	•
		EKHWS(U)180D3V3	•	•
	Stainless steel tank	EKHWS(U)200D3V3	•	•
		EKHWS(U)250D3V3	•	•
		EKHWS(U)300D3V3	•	•
	Polypropylene tank	EKHWP300B	o (1)	○ (1)
		EKHWP500B	o (2)	o (2)
		EKHWP300PB	o (1)	○ (1)
		EKHWP500PB	o (2)	o (2)
	Third party tank kit	EKHY3PART	• (3)	○ (3)
		EKHY3PART2	(4)	o (4)
	Bi-zone kit	BZKA7V3	•	•
	Remote indoor sensor	KRCS01-1	o (5)	o (5)
	Remote outdoor sensor	EKRSCA1	o (5)	○ (5)
	PC USB cable	EKPCCAB4	•	•
ptions	Universal centarlized controller	EKCC8-W	•	•
DUIONS	Digital I/O PCB	EKRP1HBAA	o (6)	o (6)
	Demand PCB	EKRP1AHTA	•	•
	Freeze protection valve	AFVALVE1	•	•
	Conversion kit H/O => reversible	EKHBCONV	•	
	CONTROL MELIO — PREVENDIE	EKHVCONV2		
	Backup heater switch box	EKBUHSWB		
	Backup heater 1kW	EKBUB1C		
	Backup heater 3kW	EKBUB3C		
Dedicated options for ECH ₂ O unit	Backup heater 9kW	EKBU9C		
	Room thermostat	EHS157034		
	Mixer module	EHS157067		
	Optional outdoor sensor	EKRSC1		
	Gateway for Apps	EHS157056		
	Hydraulic separator	172900		
	Heat insulation for HWC	172901		
	Pump group with mixer module	156075		
	Pump group without mixer module	156077		
	Connection kit for MK1	156053		
	Dirt seperator SAS1	156021		
	Dirt separator SAS2	156023		
	Biv Connector Kit	141589		
	DB connector Kit	141590		

⁽¹⁾ Dedicated connection kit: EKEPHT3H
(2) Dedicated connection kit: EKEPHT5H (3) EKHY3PART can be used if you have a tank in which you can insert the thermistor
(4) EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor

		Floor standing	Floor standing	Solar kit HT	
Floor standing i		Floor standing integrated bi-zone	integrated ECH₂O	Solar kit HT incl. pump station	Mounting stand
H/O (White + grey)	Reversible (White + Grey)	H/O (White)	H/O (White)		
ETVH16S18DA6V (G)	ETVX16S18DA6V (G)	ETVZ16S18DA6V	ETSH(B)16P30DA		
ETVH16S18DA9W (G)	ETVX16S18DA9W (G)	ETVZ16S18DA9W	ETSH(B)16P50DA		
ETVH16S23DA6V (G)	ETVX16S23DA6V (G)	ETVZ16S23DA6V	ETSX(B)16P30DA		
ETVH16S23DA9W (G)	ETVX16S23DA9W (G)	ETVZ16S23DA9W	ETSX(B)16P50DA	EKSRPS4A	EKMST1/2
•	•	•	•		•
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