

Daikin Altherma 3 H HT The quintessence of heat pump **Product catalogue**







reddot design award winner 2019



EPRA-D series





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Designed to withstand the coldest climate conditions

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 CO₂ emissions.

Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.



Design and space-saving installation

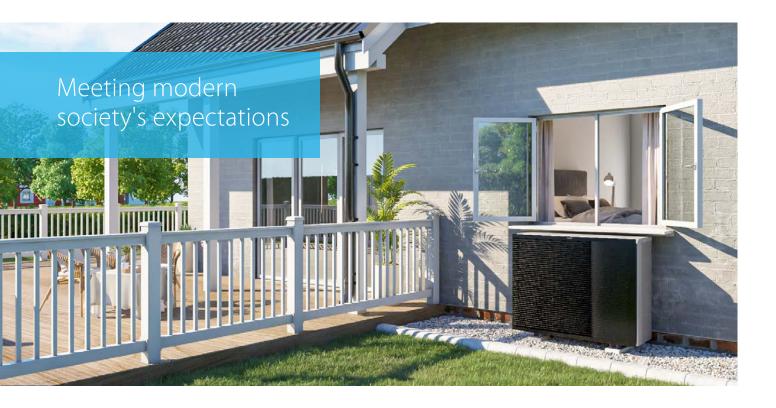
Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

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.





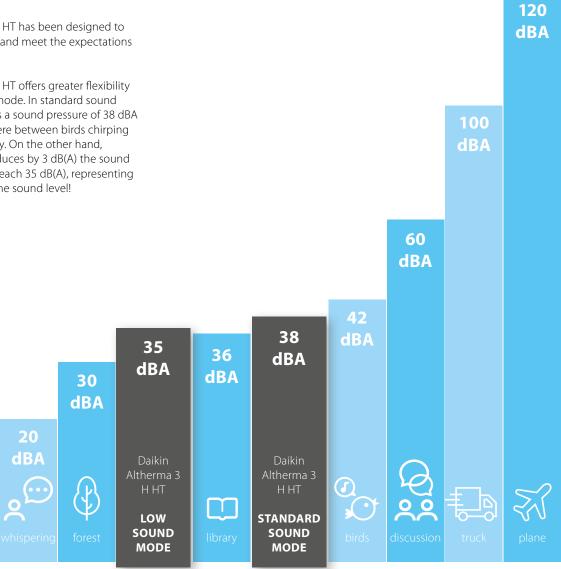




Silence rhymes with comfort

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!



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.



2019

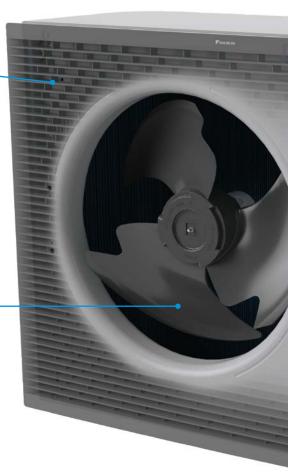


reddot design award winner 2019

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.

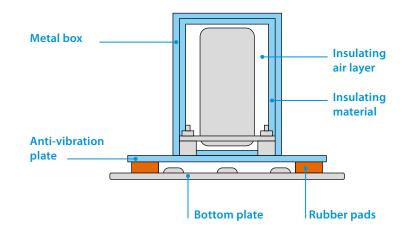


Compressor insulation and anti-vibration

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 CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

Unrivalled capacities

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

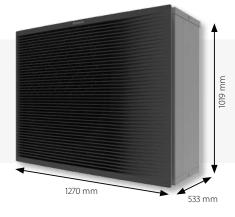


One solution, multiple combinations

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

The ECH_2O unit is equipped with a thermal DHW tank of 300 or 500L that can be connected to thermal solar panels.

Wall mounted model

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



595 mm = 300L 790 mm = 500L



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.

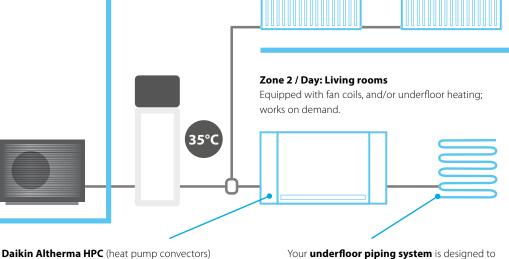
🕂 Heating only model

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 the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.

Zone 1 / Night: Bedrooms Equipped with radiators. Programmed to work in the evening and in the morning.



70°C

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.







BLUEVOLUTION



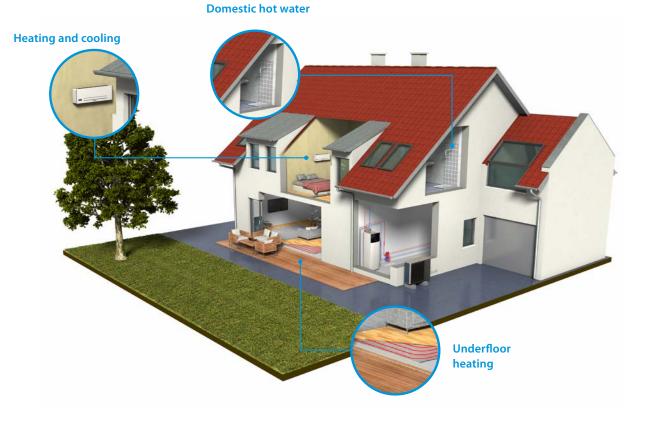
Why choose Daikin floor standing unit with integrated domestic hot water tank?

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

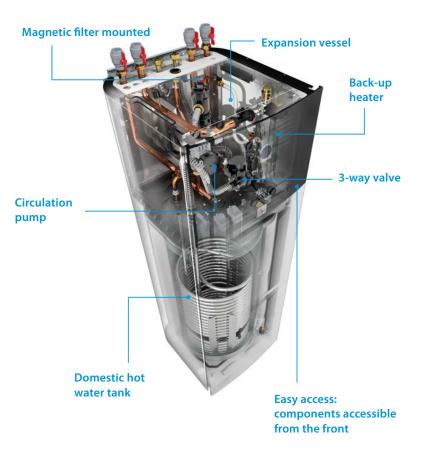
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

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

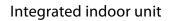
Log in and you'll be able to completely configure the unit via the new MMI in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

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.





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



BLUEVOLUTION



EPRA14-18DV3/W1





			Model 1ph/	3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1			
Preț unitate e	xterioară	EPRA	Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281,			
			Model 1ph al	h/ari	16518D6V/G	16523D6V/G	16518D6V/G	16523D6V/G	16518D6V/G	16523D6V/G			
			· · ·	b/gri									
Preț unitate i	nterioară	ETVH	Lei		21.581,-/22.872,-	22.765,-/23.817,-	21.581,-/22.872,-	22.765,-/23.817,-	21.581,-/22.872,-	22.765,-/23.817,-			
			Model 3ph a	lb/gri	16518D9W/G	16523D9W/G	16S18D9W/G	16523D9W/G	16S18D9W/G	16S23D9W/G			
			Lei		22.541,-/23.587,-	23.103,-/24.394,-	22.541,-/23.587,-	23.103,-/24.394,-	22.541,-/23.587,-	23.103,-/24.394,-			
Efficiency data				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/W			
Space heating	Average	General	SCOP				3,58	/ 3,57					
	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%			1	40					
•			Seasonal space heating e	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 e	eff. class			A+	++					
Domestic hot water heating	General	Declared lo	ad 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 l	neating efficiency)	%	110 / 106	108 / 107	110/106	108 / 107	110/106	108 / 107			
•		Water heat	ng energy efficiency	class				A					
Indoor Unit		ETV				16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)			
Casing	Colour				D9W(G) D9W(G) D9W(G) D9W(G) D9W(G) White + Black								
5	Material						Precoated	sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625			
Weight	Unit		J	kg	109	118	109	118	109	118			
Tank	Water volur	ne		1	180	230	180	230	180	230			
	Maximum v	vater temper	ature	°C				0					
	Maximum v	vater pressur	e	bar	10								
	Corrosion p	rotection			Pickling								
Operation range	Heating	Water side	Min.~Max.	°C			15	~ 70					
	Domestic hot water	Water side	Max.	°C			6	3					
Sound power level	Nom.			dBA			4	14					
Sound pressure level	Nom.			dBA			3	0					
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					
	Туре						Hermetically seale	d scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB			10	~ 43					
	Heating		Min.~Max.	°CDB			-28	~ 35					
	Domestic h	ot water	Min.~Max.	°CDB			-28	~ 35					
Refrigerant	Туре						R-	32					
	GWP						6	75					
	Charge			kg			4.	20					
	Charge			TCO₂Eq									
	Control				Expansion valve								
LW(A) Sound power level (according to EN14825)					54								
Sound pressure level (at 1 meter)	Nom.				43,0 48,0								
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V	Hz/V V3/1~/50/230 / W1/3~/50/400								
i owci supply					A 32/16								

Daikin Altherma 3 H HT F

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

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- > Integrated back-up heater of 6, 9 kW
- > Heat pump operation down to -28°C



BLUEVOLUTION





EPRA14-18DV3/W1





Pret unitate exteriora PFA Instructed exteriora PERA Instructed exteriora Pail Instructed exteriora Pail Instructed exteriora Pail Instructed exteriora Pail Pail Instructed exteriora Pail				Model 1ph/3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1		
Pret unitate interioran FVx Model 1ph alb/gri Lei 195300/VG 19530	Preț unitate e	xterioară	EPRA									
Pregunitate interioring FTV Lei 24,240,752.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.322 25,185,762.38 42,340,725.31 42,355 42,350 42,355 <				-								
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Interval ETVX + EPAA 1531BD/VIG/U 16532D/VIG/U												
minute yoals EUX + EVX (space heating) Opwin(c) + 140V/W				Lei	24.963,-/26.007,-	25.769,-/26.814,-	24.963,-/26.007,	25.769,-/26.814,-	24.963,-/26.007,-	25.769,-/26.814,-		
	Efficiency data			ETVX + EPRA						16S23D6V(G)/ D9W(G) + 18DV/W		
	Space heating		General				3,62	/ 3,63				
Areage dimate were old SYC General beating efficiency sound space heating efficiency entry SCOP beating efficiency sound space heating efficiency entry Image ficiency sound space heating efficiency entry Image ficiency sound space heating efficiency entry XL XL L XL L XL Merage climate Declared load profile were were ficiency 100 / 106 108 / 107 100 / 105 108 / 107 110 / 106 108 / 107 110 / 106 108 / 107 110 / 106 108 / 107 110 / 106 108 / 107 110 / 106 108 / 107 110 / 106 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 107 108 / 108 109 / 118 100 / 118 / 100 108 / 107 108 / 10				heating efficiency)								
	-											
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Cooling Water side MinMax. °C 5 ~ 50 Dumski blunker Water side Max. °C 63 Sound power level Nom. GBA 44 Sound pressure level Nom. dBA 30 Dutdoor Unit EPRA 14DV3/W1 16DV3/W1 18DV3/W1 Dimensions Unit Height/Width/Depth mm 1003x1270x533 Texperity Dimensions Unit Height/Width/Depth mm 1003x1270x533 146/151 Sound pressore Quantity kg 146/151 146/151 Compressor Quantity Kg 10 ~ 43 100 ~ 43 Type Inv-Max. °CDB 28 ~ 35 10 ~ 43 Deprestion range MinMax. °CDB 28 ~ 35 10 ~ 43 Iefrigerant Figerant KinMax. °CDB 28 ~ 35 10 ~ 42 GWP Karge Kg 4.20 2.84 10 ~ 42 GNP Kg Kg 4.20 <td< td=""><td>Operation range</td><td></td><td></td><td>Min.~Max. °C</td><td colspan="8"></td></td<>	Operation range			Min.~Max. °C								
iound power level Nom. dBA 44 iound pressure level Nom. dBA 30 Dutdoor Unit EPRA 14DV3/W1 16DV3/W1 18DV3/W1 Dimensions Unit HeightwikidtxDepth mm 1003x1270x533 Dimensions Unit HeightwikidtxDepth mm 1003x1270x533 Operation range Quantity 1 1003x1270x533 Depretion range Colling Min.~Max. °CDB 100 × 43 Operation range Colling Min.~Max. °CDB		Cooling	Water side				5 ~	- 50				
Nom. dBA 14DV3/W1 30 Dutdoor Unit EPRA 14DV3/W1 16DV3/W1 18DV3/W1 Dimensions Unit Height/Wildth/Depth mm 1003x1270x533 Veight Unit Height/Wildth/Depth mm 1003x1270x533 Veight Unit Kg 11003x1270x533 Second		Domestic hot water	Water side	Max. °C			6	53				
Durd or Unit EPRA 14DV3/W1 16DV3/W1 18DV3/W1 Divideor Unit HeightxWidthxDepth m 1003x1270x533	Sound power level	Nom.										
Dimensions Unit HeightxWidthxDepth mm 1003x1270x533 Weight Unit kg 146/151 Compressor Quantity 1 1 Type Hermetically sealed scroll compressor 1 Operation range Cooling Min.~Max. °CDB 10~43 Heating Min.~Max. °CDB -28 ~ 35 - Domestic hot water Min.~Max. °CDB -28 ~ 35 - Kefrigerant Type R-32 - - GWP 675 - - - Charge TCO.Eq 2.84 - - Control Expansion valve - - - W(A) Sound power Favariantian set of the	Sound pressure level	Nom.		dBA			3	30				
Weight Unit kg 146/151 Compressor Quantity 1 1 Type Hermetically sealed scroll compressor 1 Operation range Cooling Min.~Max. °CD8 0.43 Heating Min.~Max. °CD8 -28 ~ 35 -28 ~ 35 Domestic hot water Min.~Max. °CD8 -28 ~ 35 -28 ~ 35 Domestic hot water Min.~Max. °CD8 -28 ~ 35 -28 ~ 35 Omestic hot water Min.~Max. °CD8 -28 ~ 35 -28 ~ 35 Omestic hot water Min.~Max. °CD8 -28 ~ 35 -28 ~ 35 GWP R-32	Outdoor Unit			EPRA	14D	/3/W1	16D\	/3/W1	18D\	/3/W1		
Quantity 1 Type Hermetically sealed scroll compressor Operation range Cooling Min.~Max. °CDB Heating Min.~Max. °CDB -28 ~ 35 Domestic hot water Min.~Max. °CDB -28 ~ 35 Domestic hot water Min.~Max. °CDB -28 ~ 35 Refrigerant Type 675 GWP 675	Dimensions	Unit		HeightxWidthxDepth mm			1003x1	270x533				
Type Hermetically sealed scroll compressor Operation range Cooling Min.~Max. °CDB 10 ~ 43 Heating Min.~Max. °CDB 10 ~ 43	Weight	Unit		kg			146	/151				
Operation range Cooling Min.~Max. °CDB 10~43 Heating Min.~Max. °CDB -28~35	Compressor	Quantity						•				
Heating Min.~Max. °CD8 -28 ~ 35 Domestic hot water Min.~Max. °CD8 -28 ~ 35 Domestic hot water Min.~Max. °CD8 -28 ~ 35 Refrigerant Type R-32												
Domestic hot water Min.~Max. °CD8 28 ~ 35 lefrigerant Type R-32	Operation range											
Type R-32 GWP 675 Charge kg Charge kg Charge TCO_Eq Control 2,84 Control Expansion valve W(A) Sound power evel (according to XN14825) S4 Sound pressure level at 1 meter) Nom. Vower supply Name/Phase/Frequency/Voltage Hz/V V3/1~/50/230 / W1/3~/50/400												
GWP 675 Charge kg 4.20 Charge TCO,Eq 2,84 Control Expansion valve W(A) Sound power evel (according to IN14825) 54 Sional pressure level at 1 meter) Nom. 43,0 48,0 Yower supply Name/Phase/Frequency/Voltage Hz/V V3/1~/50/230 / W1/3~/50/400			ot water	Min.~Max. °CDB								
Charge kg 4.20 Charge TCO_2Eq 2,84 Control Expansion valve W(A) Sound power Expansion valve evel (according to IN14825) 54 iound pressure level at 1 meter) Nom. Power supply Name/Phase/Frequency/Voltage Hz/V V3/1~/50/230 / W1/3~/50/400	Refrigerant											
Charge TCO,Eq 2,84 Control Expansion valve W(A) Sound power evel (according to :N14825) 54 iound pressure level at 1 meter) Nom. Power supply Name/Phase/Frequency/Voltage Hz/V VV V3/1~/50/230 / W1/3~/50/400				ka								
Control Expansion valve W(A) Sound power 54 evel (according to N14825) 54 iound pressure level Nom. 43,0 48,0 41 meter) V3/1~/50/230 / W1/3~/50/400												
W(A) Sound power 54 evel (according to IN14825) 54 sound pressure level Nom. 43,0 48,0 41 meter) Valn~/50/230 / W1/3~/50/400				ICO ₂ Eq								
iound pressure level Nom. 43,0 48,0 48,0 at 1 meter)	LW(A) Sound power level (according to	Control										
Power supply Name/Phase/Frequency/Voltage Hz/V V3/1~/50/230 / W1/3~/50/400	EN14825) Sound pressure level (at 1 meter)	Nom.				4	3,0		4	3,0		
		Name/Phas	e/Frequency	/Voltage H7/V	1z/V V3/1~/50/230 / W1/3~/50/400							
	Current											



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



BLUEVOLUTION



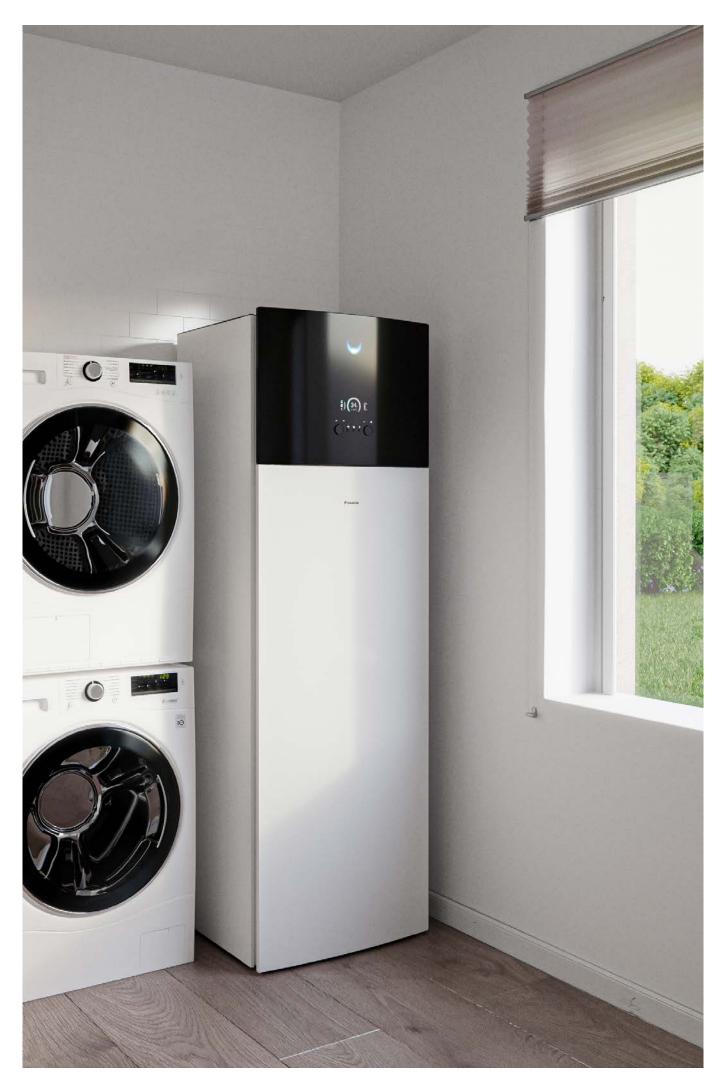
ETVZ-D6V

EPRA14-18DV3/W1

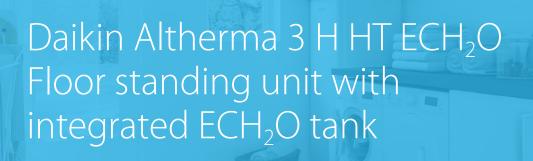
BRC1HHDS



D			Model 1ph/	'3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1	
Preț unitate e	exterioara	EPRA	Lei	-	20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281,	
			Model 1ph al	b/ari	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	
Preț unitate i	nterioară	ETVZ	Lei		25.616,-/26.576,-	26.799,-/27.137,-	25.616,-/26.576,-	26.799,-/27.137,-	25.616,-/26.576,-	26.799,-/27.137,-	
					16518D6V/D9W	16523D6V/D9W	16518D6V/D9W	16523D6V/D9W	16518D6V/D9W	16S23D6V/D9W	
Efficiency data			ETV	Z + EPRA	+ 14DV/W	+ 14DV/W	+ 16DV/W	+ 16DV/W	+ 18DV/W	+ 18DV/W	
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	%			177	/ 176			
	outlet 35 C		heating efficiency)	<i>"</i> 1							
Description of the state	C I	D. J. J. H.	Seasonal space heating	eff. class		241	1	++		NI NI	
Domestic hot water heating	General	Declared lo	ad profile		L	XL	L	XL	L	XL	
	Average climate	COPdhw	(C)	0/	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	
	chindle		heating efficiency)	%	110 / 106	108 / 107	110 / 106	108 / 107	110/106	108 / 107	
		water heatir	ng energy efficiency cla	SS				A			
Indoor Unit				ETVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	
Casing	Colour							+ Black			
	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			180	230	180	230	180	230	
-	Maximum v	ater temper	rature	°C				0			
		ater pressu	re	bar				0			
	Corrosion p							ding			
Operation range	Heating		Min.~Max.	°C				~ 70			
	Domestic hot water	Water side	Max.	°C				53			
Sound power level	Nom.			dBA				14			
Sound pressure level	Nom.			dBA			3	80			
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			
	Туре							d scroll compressor			
Operation range	Cooling		Min.~Max.	°CDB				~ 43			
	Domestic h	ot water	Min.~Max.	°CDB				~ 35			
Refrigerant	Type GWP							32 75			
	Charge			kg			4.	20			
	Charge			TCO ₂ Eq			2,	84			
	Control						Expansi	on valve			
LW(A) Sound power level (according to EN14825)	Nom.				54						
Sound pressure level (at 1 meter)	Nom.					4.	3,0		4	3,0	
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V	Hz/V V3/1~/50/230 / W1/3~/50/400						
Current	Recommen	ded fuses		А	A 32/16						







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

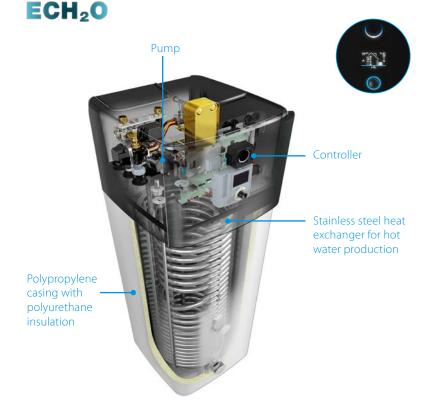
- The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- Electronic management of both heat pump and ECH₂O 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



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.

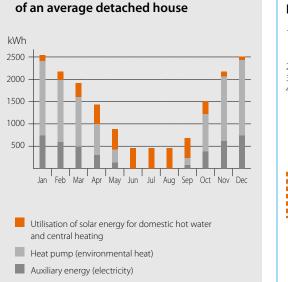
Pressureless (drain-back) solar system (ETSH-D, ETSX-D)

- > 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

Monthly energy consumption

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



Daikin Altherma 3 H HT ECH₂O

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

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Heat pump operation down to -28°C
- Possible to connect to photovoltaic solar panels to provide energy for your heat pump



BLUEVOLUTION





D			Model 1ph/	3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1				
Preț unitate ex	kterioara	EPRA	Lei	-	20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281				
			Model 1ph al	b/gri	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D				
Preț unitate in	nterioară	ETSH	Lei		22.011,-	25.316,-	22.011,-	25.316,-	22.011,-	25.316,-				
Efficiency data			ETS	H + 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			3,58 / 3,57								
*	water outlet 55°C		ns (Seasonal space heating efficiency) Seasonal space heating e	% ff. class				40						
	Average climate	General	SCOP				4,51	/ 4,48						
	water outlet 35°C		ns (Seasonal space heating efficiency)	%		177 / 176								
			Seasonal space heating e	t. class				++						
Domestic hot water heating	General	Declared lo	ad profile		L	XL 275/267	L	XL	L	XL				
	Average climate	COPdhw	heating efficiency)	%	2,38	2,75 / 2,67 115 / 111	2,38 101	2,75 / 2,67 115 / 111	2,38 101	2,75 / 2,67 115 / 111				
*	climate		ing energy efficiency c		101	115/111		4	101	115/111				
Indoor Unit				ETSH	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D				
Casing	Colour			EISH	105300		affic white (RAL9016			105300				
cusing	Material							t polypropylene	,					
Dimensions	Unit		HeightxWidthxDepth	mm		1891x590x615	inipactresistan	1896x785x785	1891x590x615	1896x785x785				
Weight	Unit		neighannaambepan	kg	77	94	77	94	77	94				
Tank	Water volum	ne			294	477	294	477	294	477				
	Maximum w		ature	°C	271			5	271					
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 35						
		Water side	Min.~Max.	°C	1									
	Domestic	Ambient	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			32	2.8						
Outdoor Unit				EPRA	140	/3/W1	16D\	/3/W1	18D\	/3/W1				
Dimensions	Unit		HeightxWidthxDepth	mm				270x533						
Weight	Unit			kg				/ 151						
Compressor	Quantity			-				1						
	Type						Hermetically seale	d scroll compressor						
Operation range	Cooling		Min.~Max.	°CDB				~ 35						
	Domestic ho	ot water	Min.~Max.	°CDB			-28	~ 35						
Refrigerant	Туре						R-	32						
	GWP						6	75						
	Charge			kg			4.	20						
	Charge			TCO ₂ Eq			2,	84						
	Control						Expansi	on valve						
LW(A) Sound power level (according to EN14825)							5	4						
Sound pressure level (at 1 meter)					43,0 48,0									
Power supply	Name/Phase/Frequency/Voltage Hz/V													
Current	Recommended fuses				A 32/16									

Daikin Altherma 3 H HT ECH₂O

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

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source> Heat loss is reduced to a minimum thanks to the high
- quality insulation • App control possible for managing heating and hot
- water operation
- Heat pump operation down to -28°C



BLUEVOLUTION



EPRA14-18DV3/W1

ETHSB-D



D			Model 1ph/3	Bph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1			
Preț unitate ex	cterioară	EPRA	Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281			
			Model 1ph all	o/ari	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D			
Preț unitate ir	iterioară	ETSHB	Lei	<i>,</i> 911	23.932,-	27.237,-	23.932,-	27.237,-	23.932,-	27.237,-			
Efficiency data				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		140 0/00	1400/00		/ 3,57	1004/14	1004/14			
* •	water outlet 55℃		ns (Seasonal space <u>heating efficiency)</u> Seasonal space hear eff. class	% ting			1	40 ++					
	Average climate	General	SCOP				4.51	/ 4,48					
	water outlet35°C		ns (Seasonal space heating efficiency)	%				/ 176					
			Seasonal space hear eff. class	ting	A+++								
Domestic hot water heating	General	Declared lo			L	XL	L	XL	L	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			
•		Water heatir	ig energy efficiency clas	s				A					
Indoor Unit				ETSHB	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D			
Casing	Colour					Tr	affic white (RAL9016) / Dark grey (RAL70)11)				
	Material					Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm		1891x590x615	· · ·	1896x785x790	1891x590x615	1896x785x785			
Weight	Unit			kg	79	100	79	100	79	100			
Tank	Water volun	ne		I	294	477	294	477	294	477			
	Maximum w	ater temper	ature	°C				35					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35								
		Water side	Min.~Max.	°C		15 ~ 70							
	Domestic hot water	Ambient Water side	Min.~Max. Min.~Max.	°CDB °C				~ 35 ~ 73					
Sound power level	Nom.	Water side		dBA				~ 73					
Sound pressure level	Nom.			dBA				2.8					
Outdoor Unit				EPRA	140	/3/W1			100	/3/W1			
Dimensions	Unit		HeightxWidthxDepth	mm	140\	/3/1/1		/3/W1 270x533	1801	3/W1			
Weight	Unit		neightamathabepth	kg				/ 151					
Compressor	Quantity						110	1					
	Туре						Hermetically seale	d scroll compressor					
Operation range	Heating		Min.~Max.	°CDB				~ 35					
	Domestic ho	ot water	Min.~Max.	°CDB			-28	~ 35					
Refrigerant	Туре						R	-32					
	GWP						6	75					
	Charge			kg			4	20					
	Charge			TCO ₂ Eq			2	84					
	Control						Expans	on valve					
LW(A) Sound power level (according to EN14825)					54								
Sound pressure level (at 1 meter)	Nom.					4	3,0		48	3,0			
Power supply	Name/Phase		/Voltage	Hz/V									
Current	Recommend	ded fuses		A	A 32/16								

Daikin Altherma 3 H HT ECH₂O

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

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -28°C
- Possible to connect to photovoltaic solar panels to provide energy for your heat pump



BLUEVOLUTION





			Model 1ph/	3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1				
Preț unitate e	xterioara	EPRA	Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281,				
D		FTOV	Model 1ph al	b/gri	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D				
Preț unitate ir	iterioara	ETSX	Lei		24.316,-	27.621,-	24.316,-	27.621,-	24.316,-	27.621,-				
Efficiency data				X + 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) Seasonal space heating	off class				\++						
•	Average climate	General	SCOP		4,57									
	water outlet 35°C		ns (Seasonal space	%		4,57								
			heating efficiency)											
	Comoral	Dealersalle	Seasonal space heating	eff. class	· ·			+++						
Domestic hot water heating	General Average	Declared lo COPdhw	ad profile		L 2,38	XL 2,75 / 2,67	L 2,38	XL 2,75 / 2,67	L 2,38	XL 2,75 / 2,67				
•	climate		ating efficiency)	%	2,38	2,7572,67	2,38	2,7572,07	2,38	2,75/2,67				
*	cimate		energy efficiency class	,,,	101	1137111	101	A	101	1137111				
Indoor Unit				ETSX	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D				
Casing	Colour			EIJA	105300			6) / Dark grey (RAL7		TOPSUD				
casing	Material							nt polypropylene	011)					
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785				
Weight	Unit			kg	77	94	77	94	77	94				
Tank	Water volu			Ī	294 477 294 477 294 477									
-		vater temper		°C	85									
Operation range	Heating	Ambient	Min.~Max.	°C				8~35 5~70						
_	Cooling	Water side Ambient	Min.~Max. Min.~Max.	°C °CDB										
	Cooling	Water side	Min.~Max.	°C	10~43 5~22									
	Domestic	Ambient	Min.~Max.	°CDB				8~35						
	hot water	Water side	Min.~Max.	°C			10	0~63						
Sound power level	Nom.			dBA				15.6						
Sound pressure level	Nom.			dBA			2	32.8						
Outdoor Unit				EPRA	14D\	/3/W1	16D\	/3/DW1	18DV	3/DW1				
Dimensions	Unit		HeightxWidthxDepth	mm				1270x533						
Weight	Unit			kg			14	6/151						
Compressor	Quantity							1						
Operation range	Type Heating		Min.~Max.	°CDB				ed scroll compresso 3 ~ 43	r					
operation range	Cooling		Min.~Max.	°CDB				~ 43						
	Domestic h	ot water	Min.~Max.	°CDB				5~35						
Refrigerant	Туре						F	R-32						
-	GWP							75.0						
	Charge			kg			4	1.20						
	Charge			TCO ₂ Eq			1	2,84						
	Control							sion valve						
LW(A) Sound power level (according to EN14825)								54						
Sound pressure level (at 1 meter)	Nom.					4	13,0		4	8,0				
Power supply		e/Frequency	/Voltage	Hz/V										
Current	Recommen	ded fuses		A	A 32/16									



BLUEVOLUTION

Daikin Altherma 3 H HT ECH₂O

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

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



EPRA14-18DV3/W1

ETSXB-D



D		FDD -	Model 1ph/	3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1		
Preț unitate e	xterioara	EPRA	Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281,		
			Model 1ph al	b/ari	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D		
Preț unitate ir	nterioară	ETSXB	Lei		26.238,-	29.543,-	26.238,-	29.543,-	26.238,-	29.543,-		
Efficiency data			ETSXB-	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					/ 3,63				
5	water outlet 55°C		ns (Seasonal space	%				142				
			heating efficiency)	<i>(</i> ())								
-	Average climate	General	Seasonal space heating SCOP	eff. class	A++ 4,57							
	water outlet 35°C	General	ns (Seasonal space	%				-				
	water outlet 55 C		heating efficiency)	70				180				
			Seasonal space heating	eff. class			A	+++				
Domestic hot water heating	General	Declared lo	ad profile		L	XL	L	XL	L	XL		
	Average	COPdhw			2,38	2,58 / 2,75	2,38	2,58 / 2,75	2,38	2,58 / 2,75		
•	climate		ating efficiency)	%	101	108 / 115	101	108 / 115	101	108 / 115		
		Water heating	energy efficiency class					A				
Indoor Unit				ETSXB-D	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D		
Casing	Colour					Tr	affic white (RAL901	6) / Dark grey (RAL7	011)			
	Material			Impact resistant polypropylene								
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785		
Weight	Unit			kg	79	100	79	100	79	100		
Tank	Water volu			I	294	477	294	477	294	477		
Operation range	Heating	vater temper Ambient	ature Min.~Max.	°C °C				85 5~35				
Operation range	пеациу	Water side	Min.~Max.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				5~35 5~70				
	Cooling	Ambient	Min.~Max.	°CDB)~43				
	y	Water side	Min.~Max.	°C				~22				
	Domestic	Ambient	Min.~Max.	°CDB			-2	8~35				
	hot water	Water side	Min.~Max.	°C)~63				
Sound power level	Nom.			dBA				15.6				
Sound pressure level	Nom.			dBA				32.8				
Outdoor Unit				EPRA	14DV	3/DW1	16D	V3/W1	18D'	/3/W1		
Dimensions	Unit		HeightxWidthxDepth	mm			1003x	1270x533				
Weight	Unit			kg			14	5/151				
Compressor	Quantity							1				
0	Туре			0000				ed scroll compresso	•			
Operation range	Heating Cooling		Min.~Max. Min.~Max.	°CDB °CDB				3 ~ 35 ~ 43				
	Domestic h	ot water	Min.~Max.	°CDB				~ 45 5 ~ 35				
Refrigerant	Туре	or water	Mini. Max.	000				-32				
	GWP							75.0				
	Charge			kg			4	1.20				
	Charge			TCO ₂ Eq			2	2,84				
	Control						Expans	ion valve				
LW(A) Sound power level (according to EN14825)								54				
Sound pressure level His page contains prei (at 1 meter)	in Nom y data.				43,0 48,0							
Power supply Name/Phase/Frequency/Voltage Hz/V												
Current	Recommen	ded fuses		A	A 32/16							







BLUEVOLUTION

Daikin Altherma 3 H HT W Wall mounted unit

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



BLUEVOLUTION





Preț unitate e	xterioară	EPRA	Model 1ph	/3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1		
r reç amate e	Attenduru		Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281		
Preț unitate i	atorioară	ЕТВН	Model 1ph a	lb/gri	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W		
Preç unitate îi	itenoara	EIDH	Lei		15.171,-	15.809,-	15.171,-	15.809,-	15.171,-	15.809,-		
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				
	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%			1	40				
•			Seasonal space heati	ng eff. class			A	++				
	Average	General	SCOP				4,51	/ 4,48				
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%			177	/ 176				
			Seasonal space heati	ng eff. class			A	++				
Indoor Unit				ETBH	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W		
Casing	Colour						White	+ Black				
	Material				Sheet metal							
Dimensions	Unit		HeightxWidthxDepth	mm								
Weight	Unit			kg								
Operation range	Heating	Water side	Min.~Max.	°C				~ 70				
	Domestic hot water	Water side	Min.~Max.	°C			25	~ 80				
Sound power level	Nom.			dBA			4	14				
Sound pressure level	Nom.			dBA			3	30				
Outdoor Unit				EPRA	14DV	/3/DW1	16D	V3/W1	18DV	3/DW1		
Dimensions	Unit		HeightxWidthxDepth	mm			1003x1	270x533				
Weight	Unit			kg			146	/151				
Compressor	Quantity							1				
	Туре						Hermetically seale	d scroll compressor				
Operation range	Cooling		Min.~Max.	°CDB			-28	~ 35				
	Domestic h	ot water	Min.~Max.	°CDB			-25	~ 35				
Refrigerant	Туре							-32				
	GWP							5.0				
	Charge			kg				20				
	Charge			TCO ₂ Eq								
	Control						•	on valve				
LW(A) Sound power level (according to EN14825)							<u>-</u>	54				
Sound pressure level (at 1 meter)	Nom.					4	3,0		4	8,0		
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V			V3/1~/50/230	/W1/3~/50/400				
Current	Recommen	ded fuses		А								

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 $\rm ECH_2O$ thermal store
- > Heat pump operation down to -28°C



up to

BLUEVOLUTION





Prot unitate e	vtorioară	EPRA	Model 1ph/	3ph	14DV3/W1	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1	
Preț unitate e	xterioara	EPKA	Lei		20.827,-/23.134,	20.827,-/23.134,	23.901,-/26.207,	23.901,-/26.207,	26.976,-/29.281,	26.976,-/29.281	
			Model 1ph al	b/gri	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W	
Preț unitate i	nterioară	ETBX	Lei		17.838,-	18.468,-	17.838,-	18.468,-	17.838,-	18.468,-	
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 outlet 55°C		ns (Seasonal space heating efficiency)	%			14	12			
•			Seasonal space heating	g eff. class			A	+			
	Average	General	SCOP				4,	57			
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%			18	80			
			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							
Weight	Unit			kg	kg 42						
Operation range	Heating	Water side	Min.~Max.	°C			18 ~	- 70			
	Cooling Water side			°C			5 ~	50			
	Domestic hot water	Water side	Min.~Max.	°C			25 ~	- 80			
Sound power level	Nom.			dBA			4	4			
Sound pressure level	Nom.			dBA			3	0			
Outdoor Unit				EPRA	14DV	B/DW1	16D\	/3/W1	18DV	B/DW1	
Dimensions	Unit		HeightxWidthxDepth	mm			1003x12	270x533			
Weight	Unit			kg			146/	'151			
Compressor	Quantity						1				
	Туре						Hermetically sealed	scroll compressor			
Operation range	Cooling		Min.~Max.	°CDB			10 ~	43			
	Heating		Min.~Max.	°CDB			-28	~ 35			
	Domestic h	ot water	Min.~Max.	°CDB			-25	~ 35			
Refrigerant	Туре						R-	32			
5	GWP						67				
	Charge			kg			4,2				
	Charge			TCO ₂ Eq							
	Control			100/204			Expansio				
LW(A) Sound power level (according to EN14825)	control						5				
Sound pressure level (at 1 meter)	Nom.					4	3,0		48	3,0	
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V			V3/1~/50/230 /	W1/3~/50/400			
Current	Recommen	ded fuses	-	A 32/16							

Thermal stores and tank 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



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.

Pressureless (drain-back) solar system

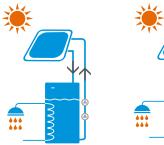
- The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

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

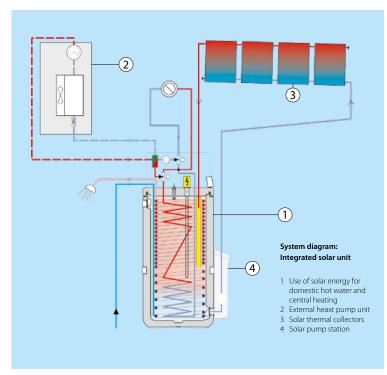


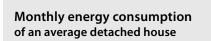
Drain-back solar system

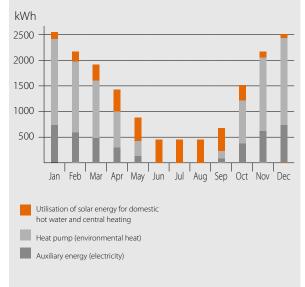
Pressurised solar system

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)



EKHWP500B

EKHWP300B

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 volu	me	1	294	477	294	477	
	Material				Polypro	pylen		
	Maximum	water temperature	°C		85			
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7	
	Energy effic	ciency class			В			
	Standing h	eat loss	w	64	72	64	72	
	Storage vol	ume	1	294	477 294			
Heat exchanger	Domestic	Quantity			1			
	hot water	Tube material			Stainless steel	(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		6			
		Average specifc 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	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 stee (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				Epoxy coa	ted 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				4	Stainless steel (EN 1.452	1)				
•	Maximum	water temperature	°C			75					
•	Insulation	Heat loss	kWh/24h	1.1	1.2	1.3	1.4	1.6			
	Energy effi	ciency class		В							
	Standing h	eat loss	W	45	50	55	60	68			
	Storage vo	lume	1	145	174	192	242	292			
Heat exchanger	Domestic	Quantity				1					
	hot water	Tube material				Stainless steel (EN 1.452	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					3					
Power supply	Phase/Freq	uency/Voltage	Hz/V			1~/50/230					

Daikin Altherma HPC Floor standing model



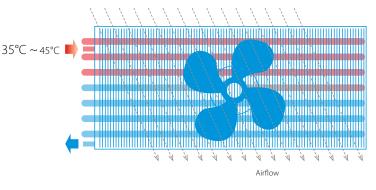
By providing cooling and heating, Daikin Altherma HPC is combinable with underfloor piping and can replace outdated radiators. The unit is available in three models (floor standing, wall mounted and concealed) and fits in any bedrooms or living rooms thanks to its silent operation.



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.

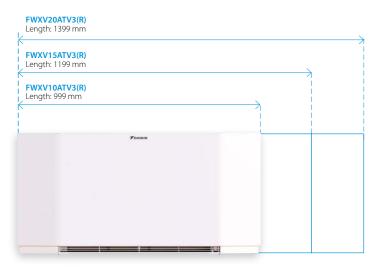


- > Optimized for new build houses
- Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.



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).

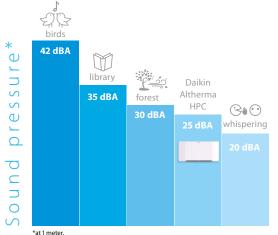






Discreet

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.



Sw



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



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.

EKRTCTRL1 23â

....

EKWHCTRL1

> Built-in controller > Fully modulating > Multicolor display

> Wall controller

EKWHCTRLO

> Fully modulating

> In combination with

EKRTCTRL2

ЕКРСВО

20

> Built-in controller > 4 speed selection

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



Perfect combination

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

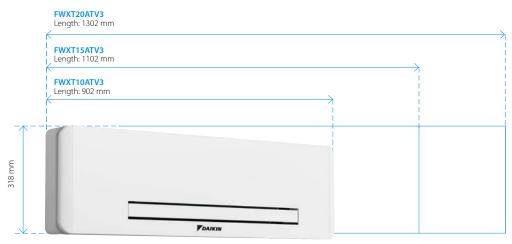






Slim design

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



Fully modulating controller allowing remote control of the unit.

EKWHCTRL1



Wall controller
 Fully modulating







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



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.

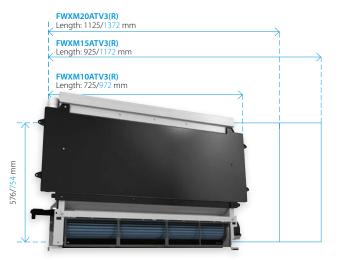


Concealed model



Slim design

Blue dimensions are for the front cover.



Depth: 128 mm



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



EKWHCTRL1



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





Madoka The beauty of simplicity.



Silver RAL 9006 (metallic) BRC1HHDS



RAL 9005 (matt) BRC1HHDK



User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

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



reddot award 2018 winner



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



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
- Í Change the requested domestic hot water temperature
- Í Powerful mode (fast heating domestic hot water)

*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.



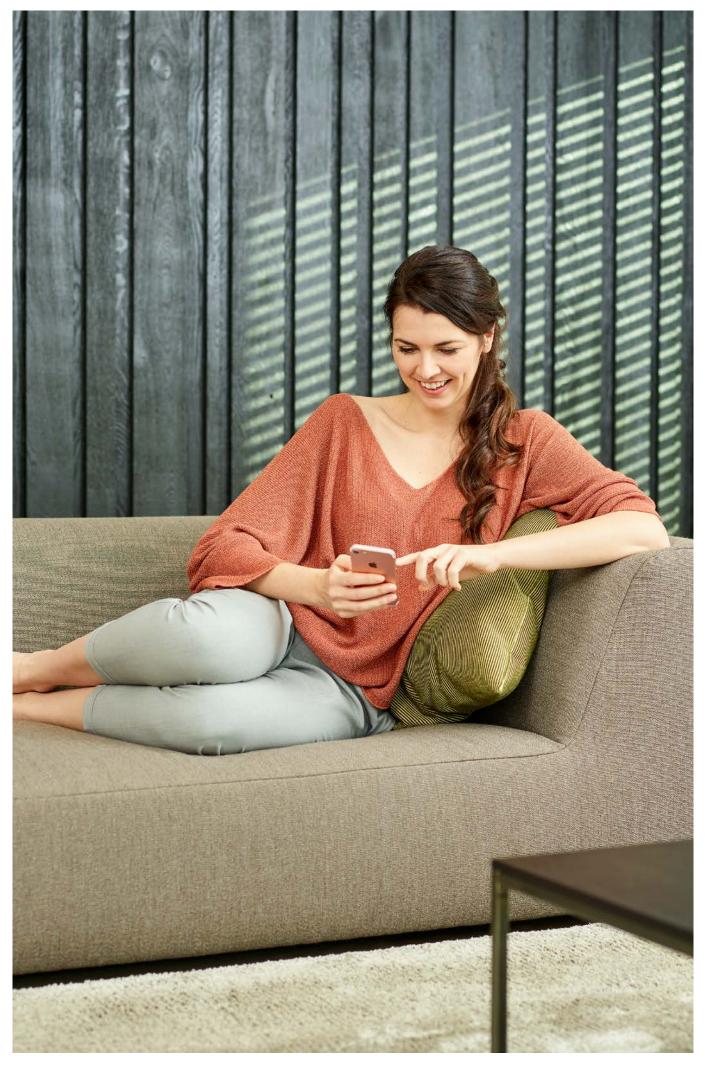
App with intuitive lay-out





Identify





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.





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

extension

- applies to both labour and parts
- Model is the second sec



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

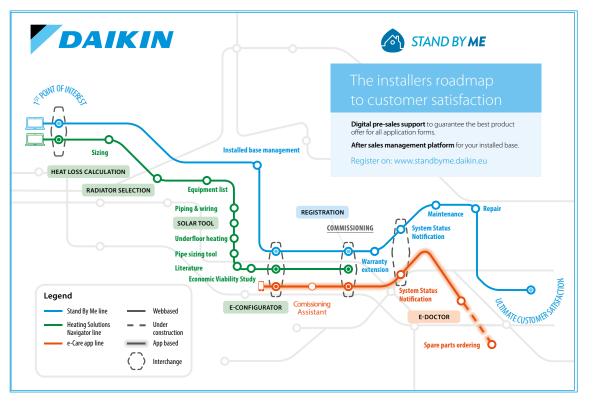


Extended warranty on parts

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
- Melps 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.



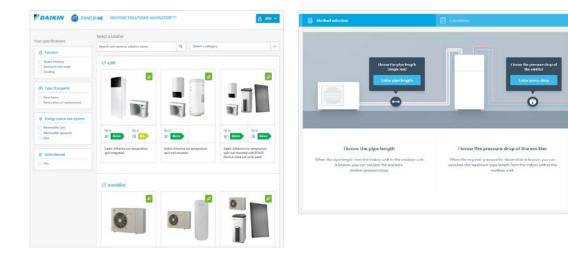
Stand By Me roadmap overview

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.



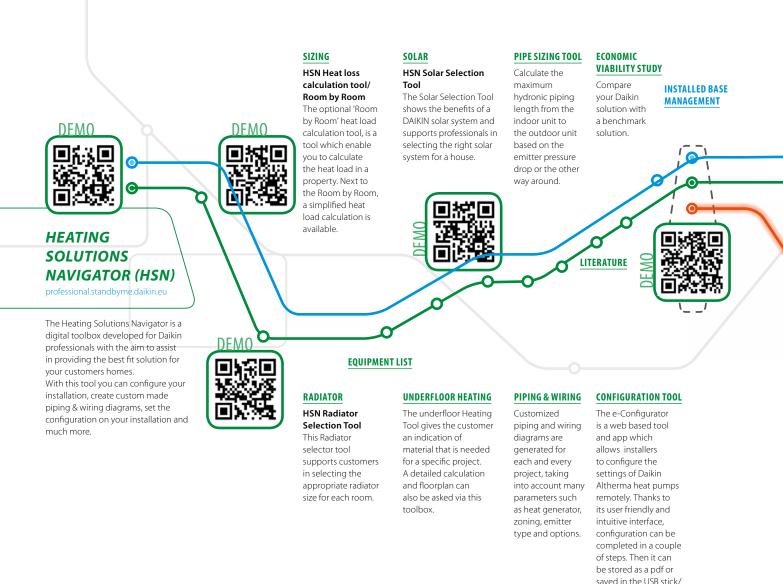


www.standbyme.daikin.eu

Stand By Me and the Heating Solutions Navigator are build to connect between yourself and Daikin to make your life easier.

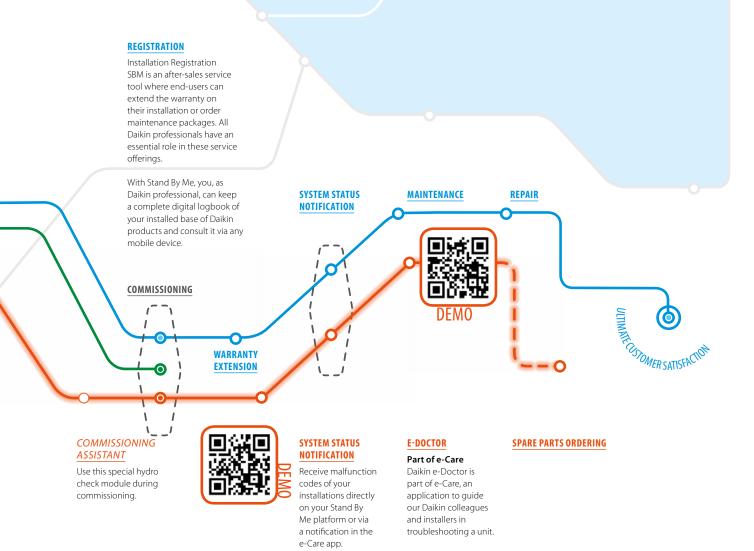
Interested in how the platform operates? Please scan the QR-codes to see a demo for each tool.

SD card to upload it in the heat pump on site.





CONTACT YOUR LOCAL SBM/HSN SPECIALIST







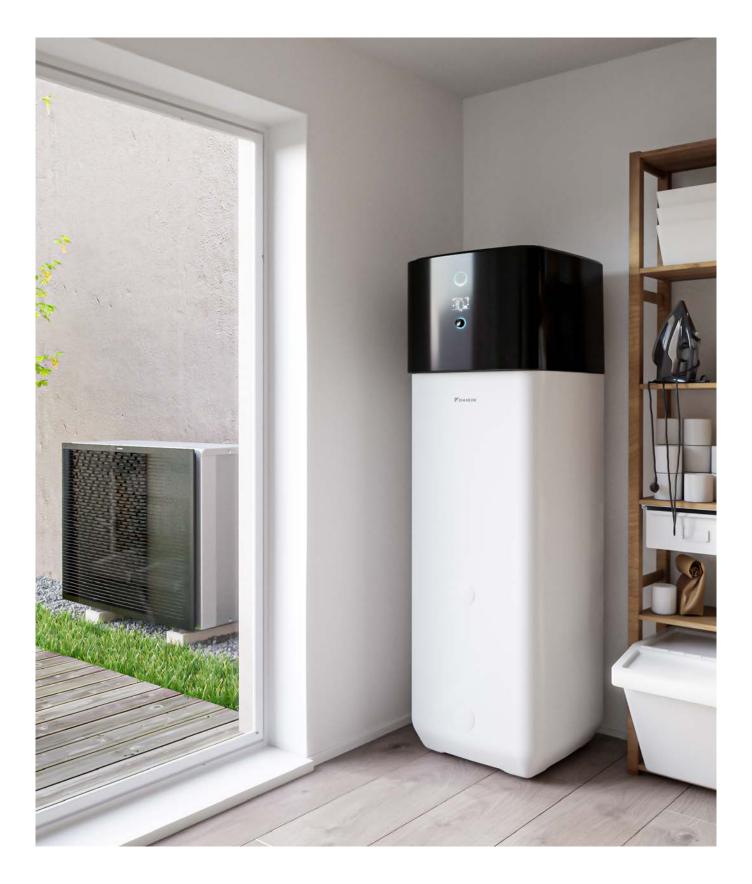
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Dedicated connection kit: EKEPHT3H
 Dedicated connection kit: EKEPHT3H (3) EKHY3PART can be used if you have a tank in which you can insert the thermistor
 EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor

(5) Only 1 sensor can be connected: indoor OR outdoor sensor
(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

Floor standing integrated tank		Floor standing integrated bi-zone	Floor standing integrated ECH ₂ O	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
0	ervx16525DA9W(G)	e1v210323DA9W		EKJNFJ4A	EKWIST 1/2
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