



Παγκόσμιος Ηγέτης στο **Ιδανικό** Κλίμα.

Αντλίες Θερμότητας



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Daikin Altherma 3 R MT

The ideal boiler replacement gets extended

Ideal to replace gas boilers

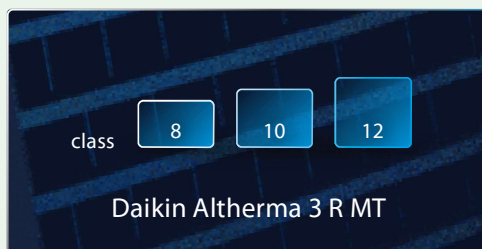
Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 R MT come as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 R MT also fit in medium sized new buildings.



Daikin Altherma 3 R MT offers multiple possibilities to adapt to your customers needs

✓ A leaving water temperature up to 65 °C makes it a **suitable choice for refurbishments**

✓ **Best seasonal efficiencies** providing the highest savings on running costs

✓ Perfect fit for **new buildings**, as well as for low energy houses



Refrigerant split version

Daikin Altherma 3 range presents a new addition to the family – refrigerant split version for medium temperature heat pump.

Daikin Altherma 3 R MT relies on a compressor and a refrigerant to transfer the energy from the air to the water. The Refrigerant split unit provides cooling next to heating and domestic hot water.

Better fit with hydrosplit versions?

The Daikin Altherma 3 solutions for replacement do come also in hydrosplit versions, 3 H MT and 3 H HT. More information can be found here:



The Quintessence of heat pump meeting modern society's expectations



Made in Europe, for Europe

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

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 our heat pumps. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the quintessence of heat pump 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 re-use, R-32 is the perfect solution to attain the new European CO₂ emission targets.

R-32

Timeless 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 grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. When first launched, this unit received two design awards in 2019. This award winning design has been continued in the new models.



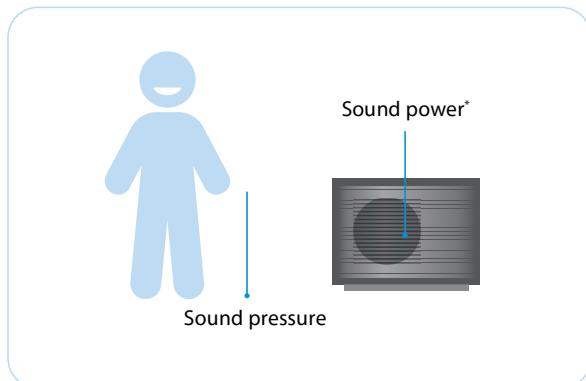
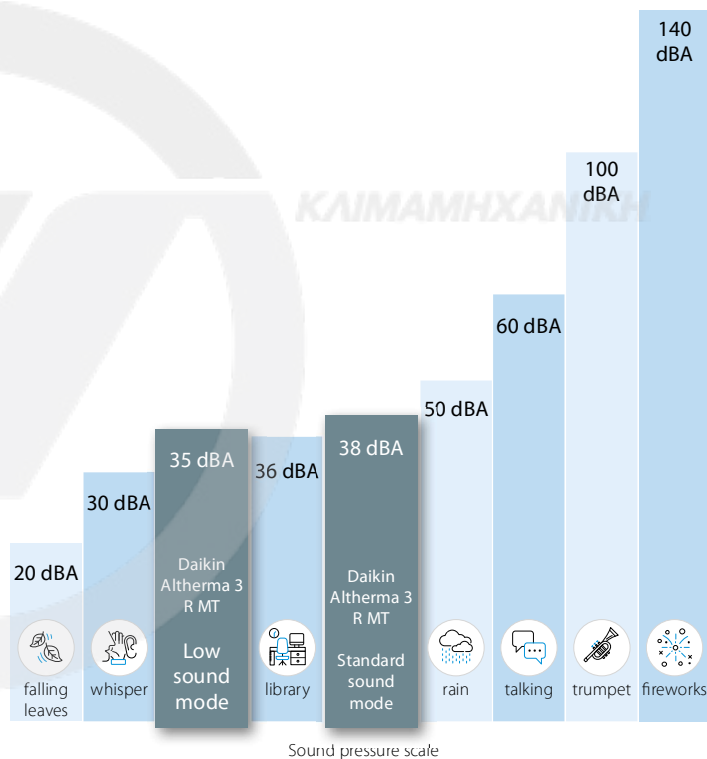


Silence rhymes with comfort

The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

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.

The unit also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!



The acoustic level can be evaluated in two ways

- The **sound power** is generated by the unit itself, independently of distance and environment
- The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.

* Erp sound power: Daikin Altherma 3 R MT: 56 dBA



Innovation at the heart of our concerns

The Daikin Altherma 3 R MT 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 contemporary design casing

The black front grille 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 slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.



reddot design award
winner 2019

A single fan for all capacities

The single fan is slightly larger, replacing the usual double fan for high capacity units (classes 8-10-12).

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.

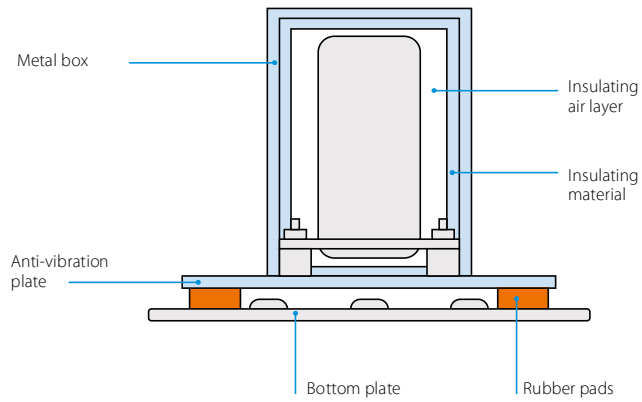


Compressor insulation and anti-vibration

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 unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.



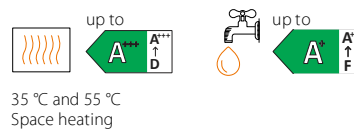
New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. Daikin Altherma 3 R MT is available in classes 8-10-12 delivers up to 65 °C leaving water temperature.



Impressive performance

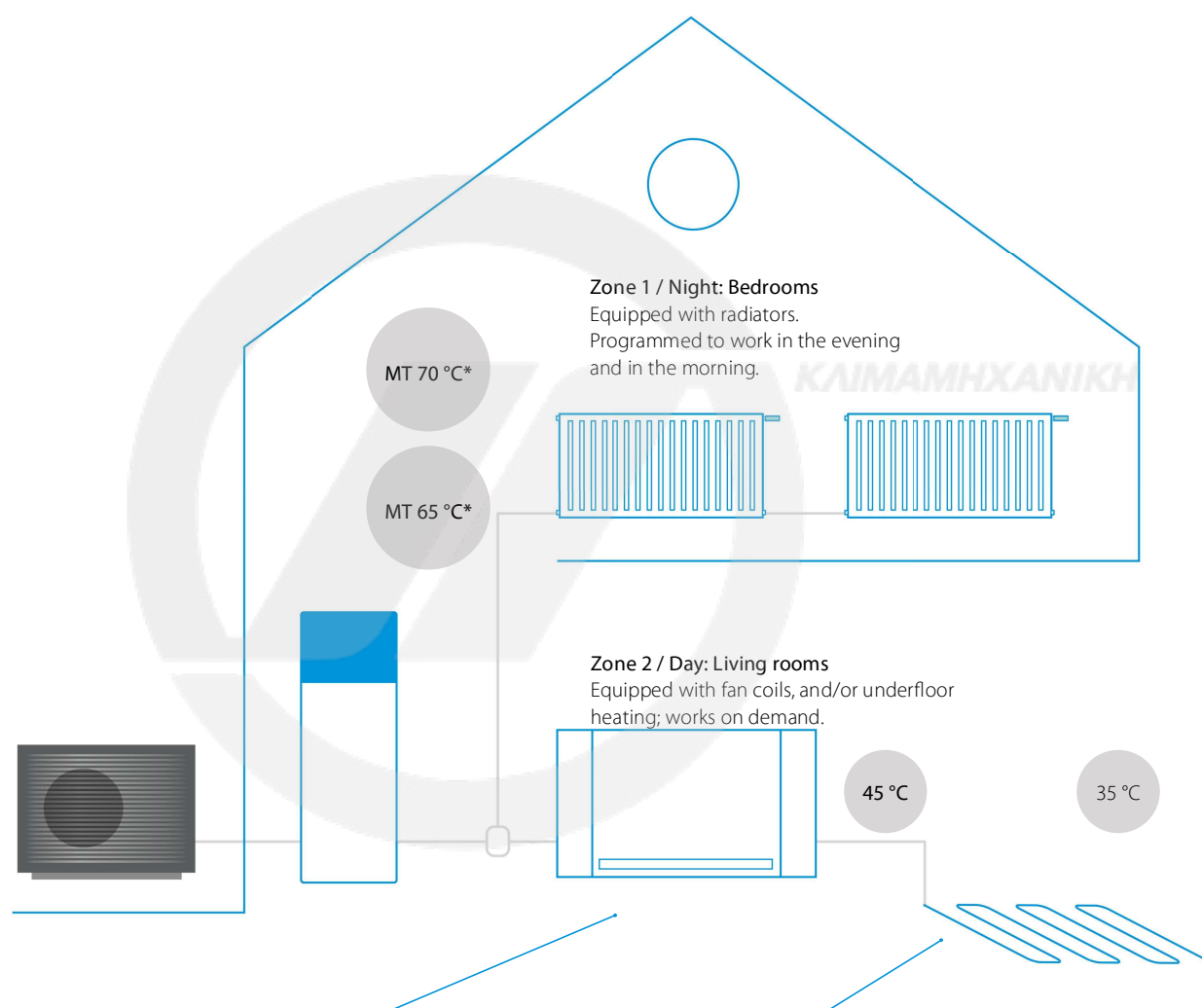
In line with our other heat pump models optimized for replacement, the Daikin Altherma 3 R MT reaches the best performances illustrated in the energy labels:



Feel a true performance

Get the best comfort with the best functionalities

The indoor units come in 3 possible versions: heating only, reversible and bizonal, giving you the opportunity to tailor your Daikin heating system.



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.

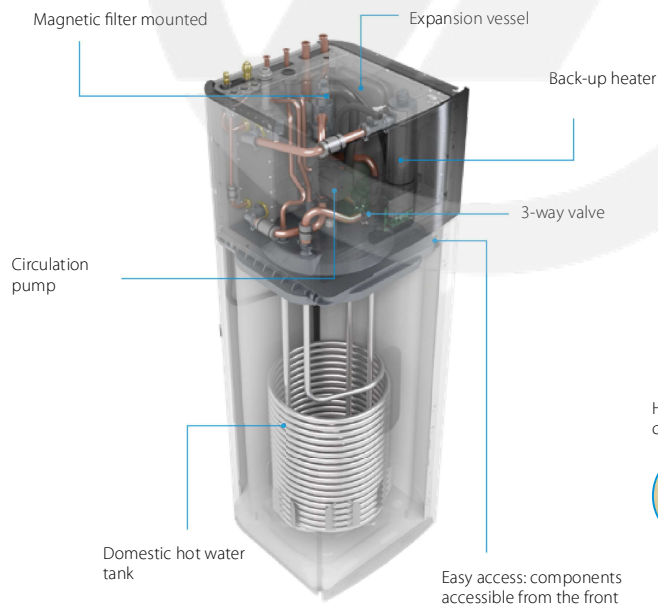
* Daikin Altherma 3 R MT produces a LWT up to 65 °C (08-10-12 classes).

Floor standing unit with integrated tank

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



Floor standing air to water heat pump for heating and hot water: ETVH units
 Floor standing air to water heat pump for heating, cooling and hot water: ETVX units
 Floor standing integrated with two different temperature zones monitoring: ETVZ units



Daikin Altherma 3 R The power pact



The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

КЛИМАТИКА

Improved compactness

A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.

A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



1,100 mm

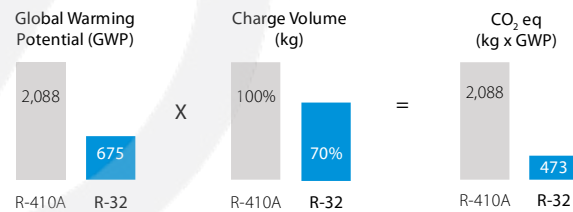


Running on refrigerant R-32

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.

Reduced environmental impact: CO₂eq > reduced by 75%

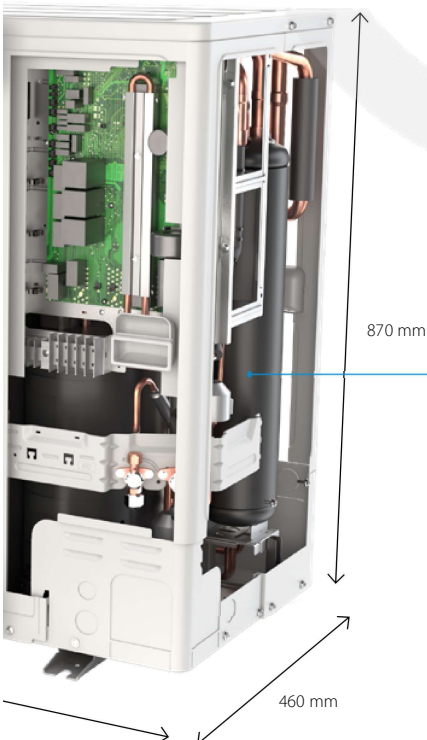
- GWP: R410A: 2,088 > R-32: 675
- 30% less refrigerant charge needed



R-32 BLUEvolution

Ideal for small spaces

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.



Check out the improved compactness!



Improved performance

All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to 60°C at -7°C outside, the unit is intended for new buildings. The unit operations are ensured down to -25°C outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.

World first in its category

Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

A patent is also pending for the plate heat exchanger, positioning once more Daikin as the heat pump leader (patent application n°EP3839360).



Check out the improved performance!



Underfloor heating



Heat pump convector



Daikin Altherma 3 R, a complete offer

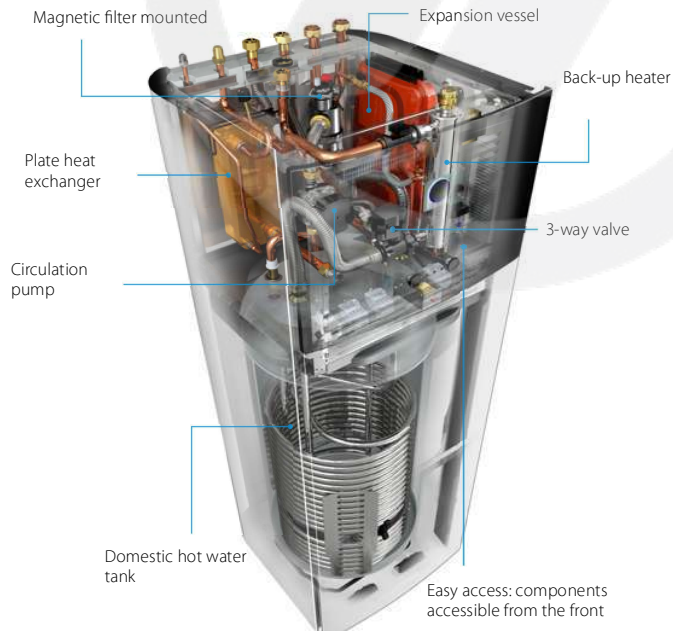
- ☒ Space Heating
- ☒ Space Cooling
- ☒ Domestic hot water
- ☒ App and voice control
- ☒ Flexible emitter choice
- ☒ All year round peace of mind

Floor standing unit with integrated tank

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



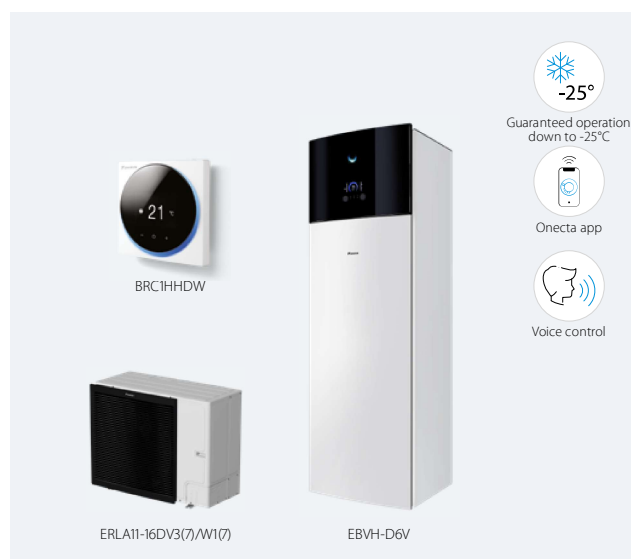
Floor standing air to water heat pump for heating and hot water: EBVH units
 Floor standing air to water heat pump for heating, cooling and hot water: EBVX units
 Floor standing unit integrated with different temperature zones management: EBVZ units



Daikin Altherma 3 R 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 634 mm
- Integrated back-up heater of 6 or 9 kW



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVH-D6V



EBVH-D9W



ERLA11-14DV3



ERLA11-14DW1





ERLA-DV37



ERLA-DW17



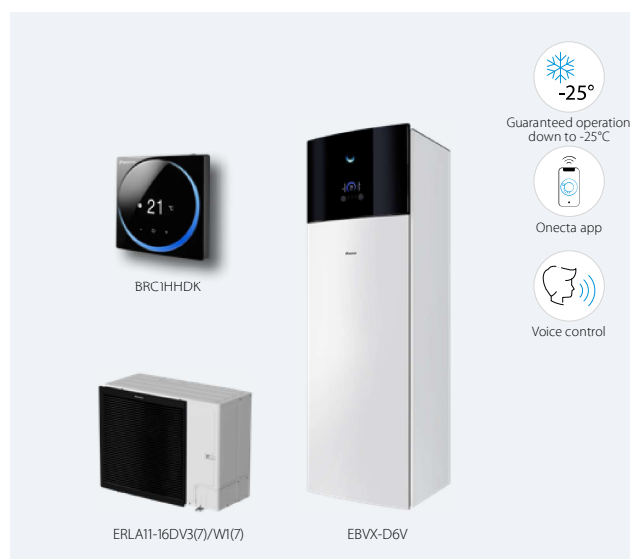
Efficiency data				EBVH + ERLA		11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7
 Space heating	Average climate water outlet 55°C	General	SCOP	%	3.23		3.22		3.32		
			η _{sp} (Seasonal space heating efficiency)		126		130				
		Seasonal space heating eff. class									
	Average climate water outlet 35°C	General	SCOP	%	4.63		4.60		4.61		
		η _{sp} (Seasonal space heating efficiency)	182		181						
		Seasonal space heating eff. class									
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COP _{dhw}			2.73	2.63	2.73	2.63	2.73	2.63	
		η _{wh} (water heating efficiency)			116	109	116	109	116	109	
		Water heating energy efficiency class			A	A	A	A	A	A	
Indoor Unit				EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	
Casing	Colour	White + Black									
	Material	Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,855x595x634	
Weight	Unit		kg	124	133	124	133	124	133	133	
Tank	Water volume		l	180	230	180	230	180	230		
	Maximum water temperature		°C	70							
	Maximum water pressure		bar	10							
	Corrosion protection			Pickling							
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	18 ~ 60						
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	10 ~ 60						
Sound power level	Nom.		dBA	44							
Sound pressure level	Nom.		dBA	30							
Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460							
Weight	Unit		kg	101							
Compressor	Quantity			1							
	Type			Hermetically sealed swing inverter compressor							
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35							
	Cooling	Min. ~ Max.	°CDB	10 ~ 43							
	Domestic hot water	Min. ~ Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.80							
	Charge		TCO ₂ Eq	2.57							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				62							
Sound pressure level (at 1 meter)				48							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~/50/230 / W1/3 ~/50/400						
Current	Recommended fuses			A	32/16						

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R 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 634 mm
- Integrated back-up heater of 6 or 9 kW



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVX-D6V



EBVX-D9W



ERLA11-14DV3













ERLA11-14DW1



ERLA-DV37



ERLA-DW17

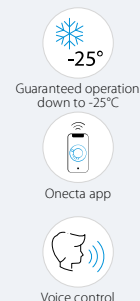
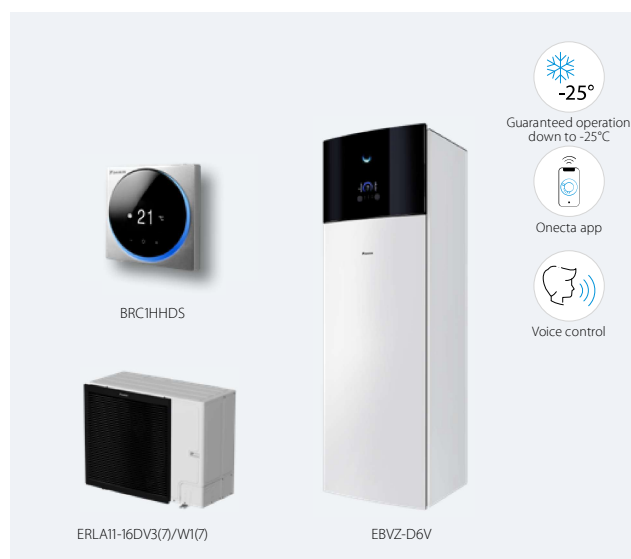
Efficiency data				EBVX + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7	
 Space heating	Average climate water outlet 55°C	General	SCOP η _s (Seasonal space heating efficiency) Seasonal space heating eff. class	%	3.27		3.26		3.35		
					128				131		
											
	Average climate water outlet 35°C	General	SCOP η _s (Seasonal space heating efficiency) Seasonal space heating eff. class	%	4.72 186		4.68 184				
											
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COP _{dhw}			2.73	2.63	2.73	2.63	2.73	2.63	
		η _{wh} (water heating efficiency)	%		116	109	116	109	116	109	
		Water heating energy efficiency class									
Indoor Unit				EBVX	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	
Casing	Colour					White + Black					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm		1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit		kg		124	133	124	133	124	133	
Tank	Water volume		l		180	230	180	230	180	230	
	Maximum water temperature		°C		70						
	Maximum water pressure		bar		10						
	Corrosion protection				Pickling						
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	18 ~ 60						
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43						
		Water side	Min. ~ Max.	°C	5 ~ 22						
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	10 ~ 60						
Sound power level	Nom.		dBA		44						
Sound pressure level	Nom.		dBA		30						
Outdoor Unit				ERLA	11DV3/W1		14DV3/W1		16DV37/W17		
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460						
Weight	Unit		kg		101						
Compressor	Quantity				1						
	Type				Hermetically sealed swing inverter compressor						
Operation range	Heating	Min. ~ Max.	°CDB		-25 ~ 35						
	Cooling	Min. ~ Max.	°CDB		10 ~ 43						
	Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35						
Refrigerant	Type				R-32						
	GWP				675						
	Charge		kg		3.80						
	Charge		TCO2Eq		2.57						
	Control				Expansion valve						
LW(A) Sound power level (according to EN14825)					62						
Sound pressure level Nom. (at 1 meter)					48						
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1 ~/50/230 / W1/3 ~/50/400						
Current	Recommended fuses		A		32/16						

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

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

- A combined stainless steel domestic hot water tank of 180 or 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 634 mm
- Integrated back-up heater of 6 or 9 kW



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500



EBVZ-D6V



EBVZ-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBVZ + ERLA		16S18D6V/9W + 11DV/W		16S23D6V/9W + 11DV/W		16S18D6V/9W + 14DV/W		16S23D6V/9W + 14DV/W		16S18D6V/9W + 16DV7/W7		16S23D6V/9W + 16DV7/W7	
Space heating	Average climate water outlet 55°C	General	SCOP	%	3.23				3.22				3.32				
			η _s (Seasonal space heating efficiency)		131				126				130				
		Seasonal space heating eff. class															
	Average climate water outlet 35°C	General	SCOP	%	4.61				4.60				4.61				
		η _s (Seasonal space heating efficiency)	182				181										
		Seasonal space heating eff. class															
Domestic hot water heating	General	Declared load profile			L		XL		L		XL		L		XL		
	Average climate	COP _{dhw}			2.73		2.63		2.73		2.63		2.73		2.63		
		η _{wh} (water heating efficiency)			116		109		116		109		116		109		
		Water heating energy efficiency class			A		A		A		A		A		A		
Indoor Unit				EBVZ		16S18D6V/9W		16S23D6V/9W		16S18D6V/9W		16S23D6V/9W		16S18D6V/9W		16S23D6V/9W	
Casing	Colour				White + Black												
	Material				Precoated sheet metal												
Dimensions	Unit	HeightxWidthxDepth	mm		1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634			
Weight	Unit		kg		137	145	137	145	137	145	137	145	137	145			
Tank	Water volume		l		180	230	180	230	180	230	180	230	180	230			
	Maximum water temperature		°C		70												
	Maximum water pressure		bar		10												
	Corrosion protection				Pickling												
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35												
		Water side	Min. ~ Max.	°C	18 ~ 60												
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 25												
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Sound power level	Nom.		dBA		44												
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Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460												
Weight	Unit		kg		101												
Compressor	Quantity				1												
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	Control				Expansion valve												
LW(A) Sound power level (according to EN14825)					62												
Sound pressure level Nom. (at 1 meter)					48												
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~/50/230 / W1/3 ~/50/400												
Current	Recommended fuses			A	32/16												

This product contains fluorinated greenhouse gases.

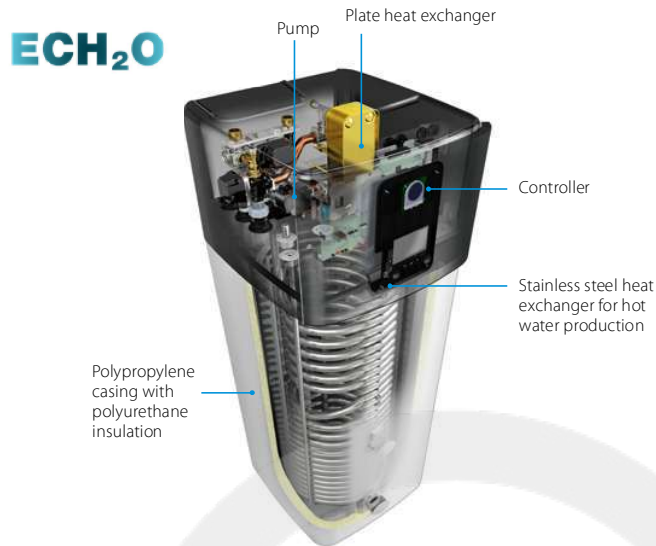


Floor standing unit with integrated ECH₂O tank

R-32

BLUEVOLUTION

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water. The ECH₂O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.



Floor standing air-to-water heat pump for heating and hot water with thermal solar support: EBSH units
 Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar support: EBSHB units
 Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support: EBSX units
 Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar support: EBSXB units

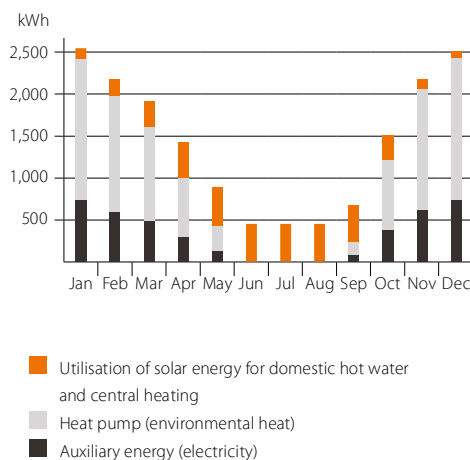
Pressureless (drain-back) solar system EBSH-D, EBSX-D

- 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 EBSHB-D, EBSXB-D

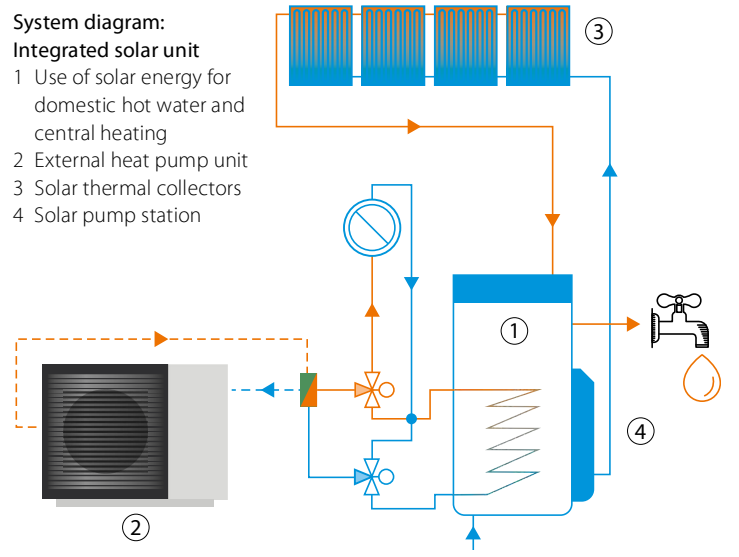
- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma 3 R ECH₂O

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



011-1W0493
011-1W0494



EBSH-D



ERLA11-14DV3





ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data				EBSH + ERLA		11P30D + 11DV/W		11P50D + 11D/W		16P30D + 14DV/W		16P50D + 14DV/W		16P30D + 16DV7/W7		16P50D + 16DV7/W7		
 Space heating	Average climate water outlet 55°C	General	SCOP	η _{sp} (Seasonal space heating efficiency)	%	3.23				3.22				3.32				
			Seasonal space heating eff. class					126				130						
	Average climate water outlet 35°C	General	SCOP	η _{sp} (Seasonal space heating efficiency)	%	4.63				4.60				4.61				
			Seasonal space heating eff. class			182				181								
 Domestic hot water heating	General	Declared load profile				L		XL		L		XL		L		XL		
	Average climate		COP _{dhw}				2.73/2.75		3.05/3.10		2.73/2.75		3.05/3.10		2.73/2.75		3.05/3.10	
			η _{wh} (water heating efficiency)				115/116		126/128		115/116		126/128		115/116		126/128	
			Water heating energy efficiency class															
Indoor Unit				EBSH		11P30D		11P50D		16P30D		16P50D		16P30D		16P50D		
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)																
	Material	Impact resistant polypropylene																
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680		1,910x792x817		1,893x594x680		1,910x792x817		1,893x594x680		1,910x792x817				
Weight	Unit		kg	93		114		93		114		93		114				
Tank	Water volume		l	294		477		294		477		294		477				
	Maximum water temperature		°C					85										
Operation range	Heating	Ambient	Min. ~ Max.	°C					-25 ~ 35									
		Water side	Min. ~ Max.	°C					18 ~ 60									
	Domestic hot water	Ambient	Min. ~ Max.	°C					-25 ~ 35									
		Water side	Min. ~ Max.	°C					10 ~ 60									
Sound power level	Nom.		dBA							44.70								
Sound pressure level	Nom.		dBA							36.80								
Outdoor Unit				ERLA		11DV3/W1		14DV3/W1		16DV37/W17								
Dimensions	Unit	HeightxWidthxDepth	mm					870x1,100x460										
Weight	Unit		kg					101										
Compressor	Quantity							1										
	Type							Hermetically sealed swing inverter compressor										
Operation range	Heating	Min. ~ Max.	°CDB					-25 ~ 35										
	Cooling	Min. ~ Max.	°CDB					10 ~ 43										
	Domestic hot water	Min. ~ Max.	°CDB					-25 ~ 35										
Refrigerant	Type							R-32										
	GWP							675										
	Charge		kg					3.80										
	Charge		TCO ₂ Eq					2.57										
	Control							Expansion valve										
LW(A) Sound power level (according to EN14825)										62								
Sound pressure level Nom. (at 1 meter)										48								
Power supply	Name/Phase/Frequency/Voltage			Hz/V						V3/1 ~/50/230 / W1/3 ~/50/400								
Current	Recommended fuses			A						32/16								

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

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

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source



EBSHB-D



ERLA11-14DV3





ERLA11-14DW1



ERLA-DV37



ERLA-DW17

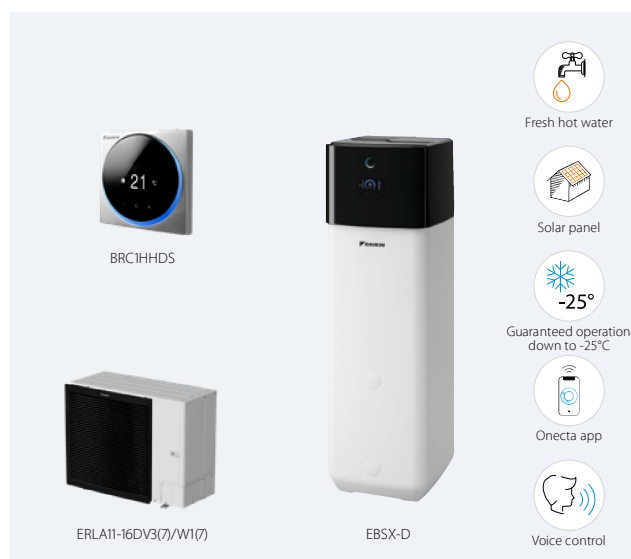
Efficiency data				EBSHB + ERLA		11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
 Space heating	Average climate water outlet 55°C	General	SCOP	η _{sp} (Seasonal space heating efficiency)	%	3.23		3.22		3.32	
						126		130			
	Average climate water outlet 35°C	General	SCOP	η _{sp} (Seasonal space heating efficiency)	%	4.63		4.60		4.61	
						182		181			
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COP _{dhw}	η _{wh} (water heating efficiency)	%	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	
		Water heating energy efficiency class			115/116	126/128	115/116	126/128	115/116	126/128	
Indoor Unit				EBSHB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit		kg	94	117	94	117	94	117		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	18 ~ 60						
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	10 ~ 60						
Sound power level	Nom.		dBA	44.70							
Sound pressure level	Nom.		dBA	36.80							
Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460							
Weight	Unit		kg	101							
Compressor	Quantity			1							
	Type			Hermetically sealed swing inverter compressor							
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35							
	Cooling	Min. ~ Max.	°CDB	10 ~ 43							
	Domestic hot water	Min. ~ Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.80							
	Charge		TCO ₂ Eq	2.57							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				62							
Sound pressure level Nom. (at 1 meter)				48							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~/50/230 / W1/3 ~/50/400						
Current	Recommended fuses			A	32/16						

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

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

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system



011-1W0493
011-1W0494



EBSX-D



ERLA11-14DV3








ERLA11-14DW1



ERLA-DV37



ERLA-DW17

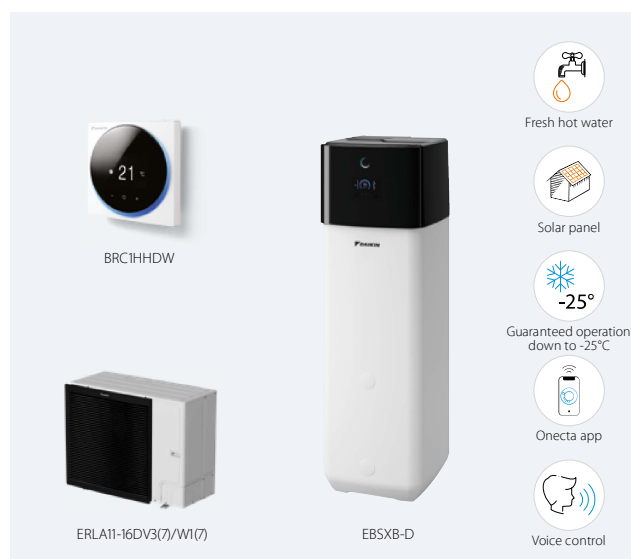
Efficiency data				EBSX + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
 Space heating	Average climate water outlet 55°C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	3.27	128	3.26		3.35	131
			Seasonal space heating eff. class							
	Average climate water outlet 35°C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	4.72	186			4.68	184
			Seasonal space heating eff. class							
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COP _{dhw}			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10
		η _{wh} (water heating efficiency) %			115/116	126/128	115/116	126/128	115/116	126/128
		Water heating energy efficiency class								
Indoor Unit				EBSX	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit		kg	93	114	93	114	93	114	
Tank	Water volume		l	294	477	294	477	294	477	
	Maximum water temperature		°C				85			
Operation range	Heating	Ambient	Min. ~ Max.	°C			-25 ~ 35			
		Water side	Min. ~ Max.	°C			18 ~ 60			
	Cooling	Ambient	Min. ~ Max.	°C			10 ~ 43			
		Water side	Min. ~ Max.	°C			5 ~ 22			
	Domestic hot water	Ambient	Min. ~ Max.	°C			-25 ~ 35			
		Water side	Min. ~ Max.	°C			10 ~ 60			
Sound power level	Nom.		dBA				44.70			
Sound pressure level	Nom.		dBA				36.80			
Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17			
Dimensions	Unit	HeightxWidthxDepth	mm			870x1,100x460				
Weight	Unit		kg			101				
Compressor	Quantity					1				
	Type					Hermetically sealed swing inverter compressor				
Operation range	Heating	Min. ~ Max.	°CDB			-25 ~ 35				
	Cooling	Min. ~ Max.	°CDB			10 ~ 43				
	Domestic hot water	Min. ~ Max.	°CDB			-25 ~ 35				
Refrigerant	Type					R-32				
	GWP					675				
	Charge		kg			3.80				
	Charge		TCO2Eq			2.57				
	Control					Expansion valve				
LW(A) Sound power level (according to EN14825)						62				
Sound pressure level Nom. (at 1 meter)						48				
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1 ~/50/230 / W1/3 ~/50/400				
Current	Recommended fuses		A			32/16				

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

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

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source



011-1W0493
011-1W0494



EBSXB-D



ERLA11-14DV3







ERLA11-14DW1



ERLA-DV37



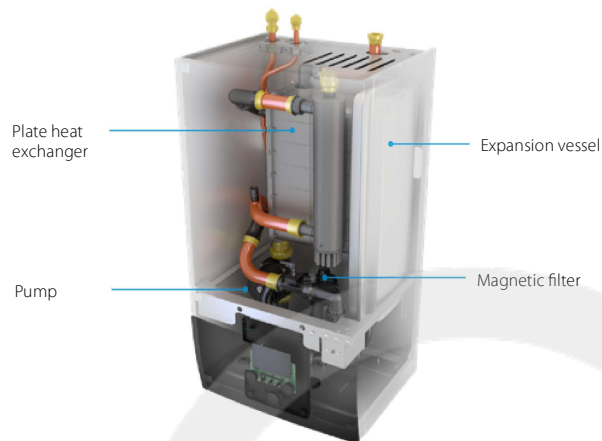
ERLA-DW17

Efficiency data				EBSXB + ERLA		11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
 Space heating	Average climate water outlet 55°C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	Seasonal space heating eff. class	3.27	128	3.26		3.35	131
	Average climate water outlet 35°C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	Seasonal space heating eff. class	4.72		4.68			
						186		184			
 Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COP _{dhw}			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	
		η _{wh} (water heating efficiency) %			115/116	126/128	115/116	126/128	115/116	126/128	
		Water heating energy efficiency class									
Indoor Unit				EBSXB		11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit		kg	94	117	94	117	94	117	94	117
Tank	Water volume		l	294	477	294	477	294	477	294	477
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	18 ~ 60						
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43						
		Water side	Min. ~ Max.	°C	5 ~ 22						
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35						
		Water side	Min. ~ Max.	°C	-25 ~ 35						
	Sound power level Nom.			dBA	44.70						
	Sound pressure level Nom.			dBA	36.80						
Outdoor Unit				ERLA		11DV3/W1	14DV3/W1		16DV37/W17		
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460							
Weight	Unit		kg	101							
Compressor	Quantity			1							
	Type			Hermetically sealed swing inverter compressor							
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35							
	Cooling	Min. ~ Max.	°CDB	10 ~ 43							
	Domestic hot water	Min. ~ Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.80							
	Charge		TCO ₂ Eq	2.57							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				62							
Sound pressure level Nom. (at 1 meter)				48							
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~/50/230 / W1/3 ~/50/400						
Current	Recommended fuses			A	32/16						

This product contains fluorinated greenhouse gases.

Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.



Wall mounted heating only air-to-water heat pump: ETBH units
Wall mounted reversible air-to-water heat pump: ETBX units
Example of installation with a stainless steel domestic hot water tank.

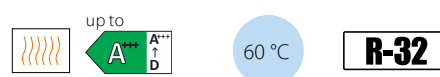
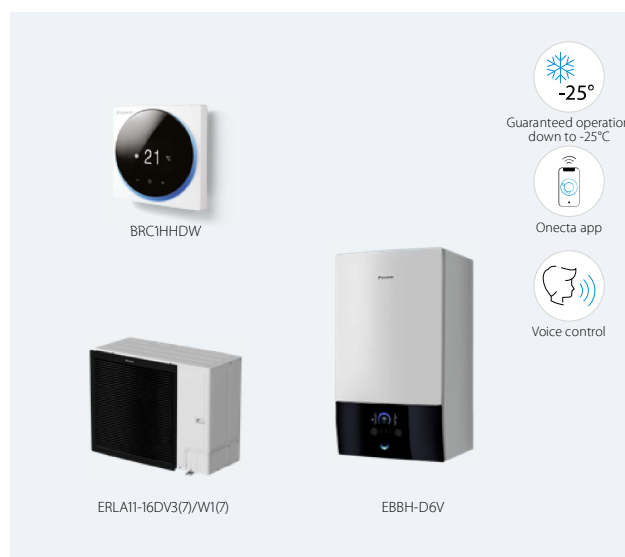




Daikin Altherma 3 R W

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



011-1W0498
011-1W0499
011-1W0500



EBBH-D6V



EBBH-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data		EBBH + ERLA		11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7
	Average climate water outlet 55°C	General	SCOP η _{sp} (Seasonal space heating efficiency) Seasonal space heating eff. class	%	3.23	126	3.22	3.32	130
	Average climate water outlet 35°C	General	SCOP η _{sp} (Seasonal space heating efficiency) Seasonal space heating eff. class	%	4.63	182	4.60	4.61	181

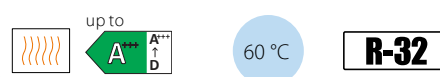
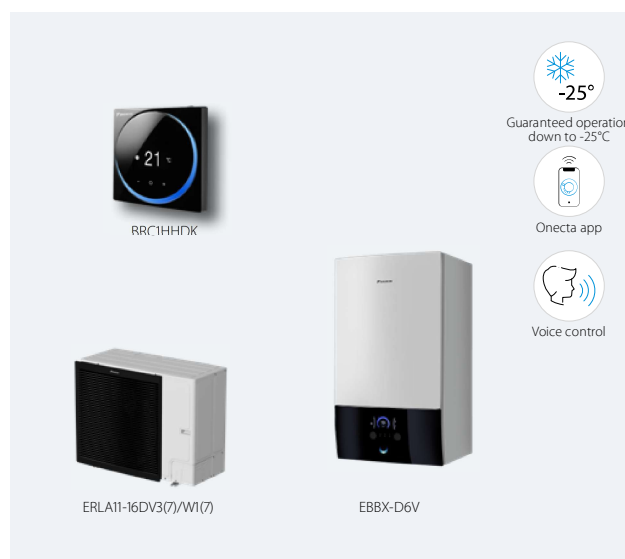
Indoor Unit		EBBH			11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm		840x440x390					
Weight	Unit			kg	52.50		54.50			
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.				dBA		44			
Sound pressure level	Nom.				dBA		30			
Outdoor Unit		ERLA			11DV3/W1		14DV3/W1		16DV37/W17	
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35					
	Cooling		Min. ~ Max.	°CDB	10 ~ 43					
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35					
Refrigerant	Type				R-32					
	GWP				675					
	Charge				kg		3.80			
	Charge				TCO2Eq		2.57			
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)				62						
Sound pressure level Nom. (at 1 meter)				48						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~/50/230 / W1/3 ~/50/400					
Current	Recommended fuses			A	32/16					

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R 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



011-1W0498
011-1W0499
011-1W0500



EBBX-D6V



EBBX-D9W



ERLA11-14DV3



ERLA11-14DW1



ERLA-DV37



ERLA-DW17

Efficiency data		EBBX + ERLA		11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP	3.27		3.26		3.35	
			η _{sp} (Seasonal space heating efficiency)			128		131	
			Seasonal space heating eff. class			A			
	Average climate water outlet 35°C	General	SCOP	4.72				4.68	
			η _{sp} (Seasonal space heating efficiency)	186				184	
			Seasonal space heating eff. class			A			

Indoor Unit		EBBX		11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour			White + Black					
	Material			Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm		840x440x390			
Weight	Unit			kg		52.50		54.50	
Operation range	Heating	Ambient	Min. ~ Max.	°C		-25 ~ 35			
		Water side	Min. ~ Max.	°C		18 ~ 60			
	Cooling	Ambient	Min. ~ Max.	°C		10 ~ 43			
		Water side	Min. ~ Max.	°C		5 ~ 22			
	Domestic hot water	Ambient	Min. ~ Max.	°C		-25 ~ 35			
		Water side	Min. ~ Max.	°C		10 ~ 60			
Sound power level	Nom.			dBA		44			
Sound pressure level	Nom.			dBA		30			
Outdoor Unit		ERLA		11DV3/W1		14DV3/W1		16DV37/W17	
Dimensions	Unit	HeightxWidthxDepth		mm		870x1,100x460			
Weight	Unit			kg		101			
Compressor	Quantity					1			
	Type					Hermetically sealed swing inverter compressor			
Operation range	Heating	Min. ~ Max.		°CDB		-25 ~ 35			
	Cooling	Min. ~ Max.		°CDB		10 ~ 43			
	Domestic hot water	Min. ~ Max.		°CDB		-25 ~ 35			
Refrigerant	Type					R-32			
	GWP					675			
	Charge			kg		3.80			
	Charge			TCO2Eq		2.57			
	Control					Expansion valve			
LW(A) Sound power level (according to EN14825)						62			
Sound pressure level Nom. (at 1 meter)						48			
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1 ~/50/230 / W1/3 ~/50/400				
Current	Recommended fuses		A		32/16				

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R

powered by Bluevolution
with R-32 refrigerant



Why choose Daikin Altherma 3 R?

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



Unique on
the market

High performance

- Leaving water temperature up to 65 °C at high efficiency
- Suitable for both underfloor heating and radiators
- Pedigree trademark in frost protection down to -25 °C, ensuring reliable operation even in the coldest climates
- The Bluevolution technology offers the highest performance:
 - Seasonal efficiency up to A+++
 - Heating efficiency up to a COP of 5.1 (at 7 °C/35 °C)
 - Domestic hot water efficiency up to COP of 3.3 (EN16147)
- Available in 4, 6 and 8 kW

Easy to install

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

Easy commissioning

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

Easy to control

- The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- Control your system from anywhere at any time via the Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems



Control with Onecta app



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

✓ **Best seasonal efficiencies** providing the highest savings on running costs

✓ **Perfect fit for new buildings,** as well as for low energy houses

✓ **A leaving water temperature up to 65 °C makes it also a suitable choice for refurbishments**

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



Daikin Altherma 3 R F

Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

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

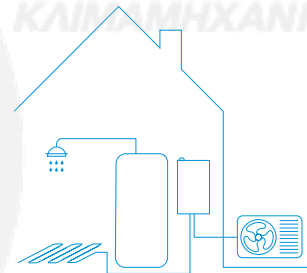


Daikin Altherma 3 R ECH₂O

Floor standing unit with integrated ECH₂O tank

Integrated solar unit and domestic hot water tank

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



Daikin Altherma 3 R W

Wall mounted unit

High flexibility for installation and domestic hot water connection

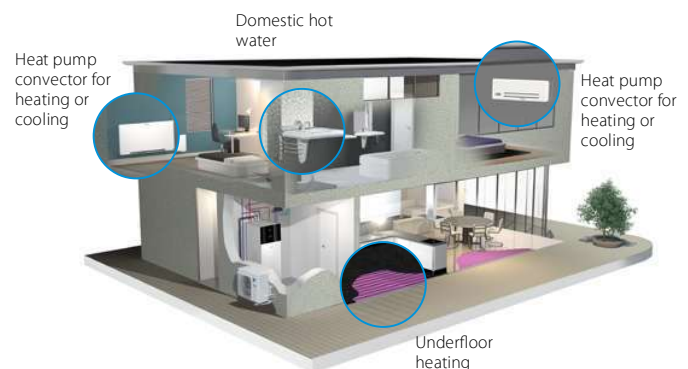
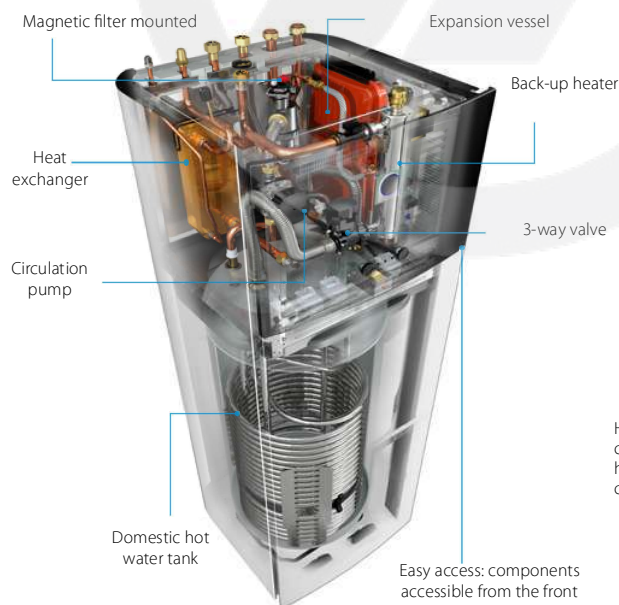
- Compact unit with small installation (almost no side clearance is required)
- Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- Stylish modern design
- Compatible with the Onecta app
- Voice control available

Floor standing unit with integrated tank

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



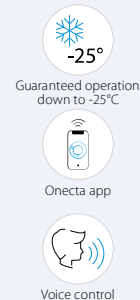
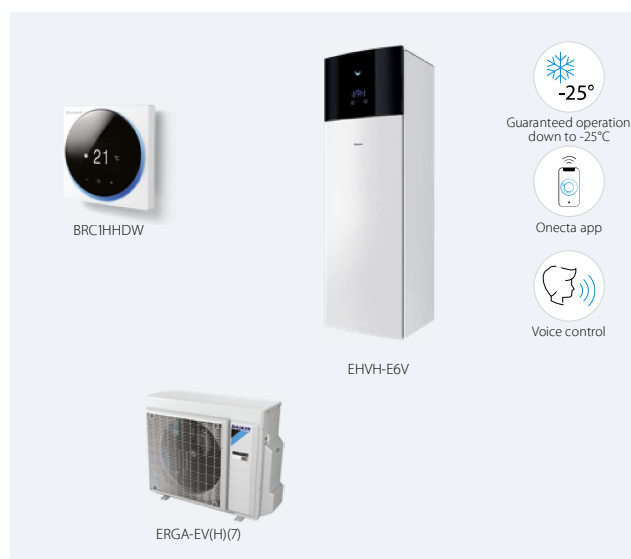
Floor standing air to water heat pump for heating and hot water: EHVH units
 Floor standing air to water heat pump for heating, cooling and hot water: EHVX units
 Floor standing unit integrated with different temperature zones management: EHVZ units



Daikin Altherma 3 R F

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

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



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



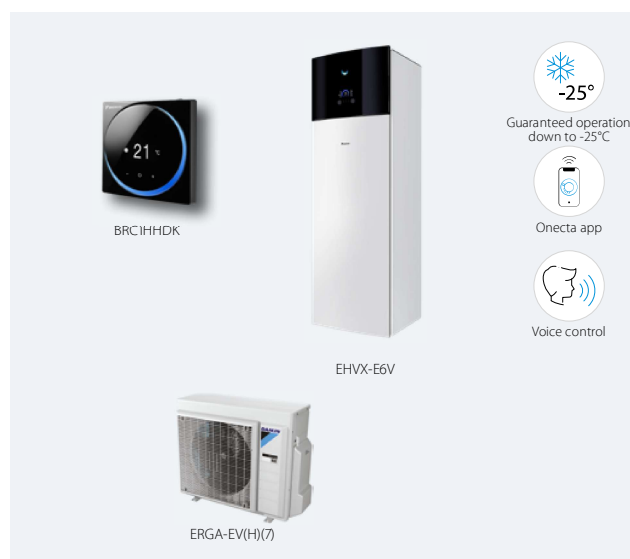
Efficiency data				EHVH + ERGA	04S18E6V + 04EV	04S23E6V + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	%		3.26			3.32	
			rys (Seasonal space heating efficiency)			127			130	
			Seasonal space heating eff. class							
	Average climate water outlet 35 °C	General	SCOP	%	4.48		4.47		4.56	
Domestic hot water heating			rys (Seasonal space heating efficiency)			176			179	
			Seasonal space heating eff. class							
	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	η _{wh} (water heating efficiency)	%		125	133	125	133	125	133
				Water heating energy efficiency class						
Indoor Unit				EHVH	04S18E6V	04S23E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour						White + Black			
	Material						Resin / Sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg		119	128	119	128	119	128
Tank	Water volume		l		180	230	180	230	180	230
	Maximum water temperature		°C					70		
	Maximum water pressure		bar					10		
	Corrosion protection							Pickling		
Operation range	Heating	Ambient	Min.~Max.	°C				5~30		
		Water side	Min.~Max.	°C				15~65		
	Domestic hot water	Ambient	Min.~Max.	°CDB				5~35		
		Water side	Max.	°C				70		
Sound power level	Nom.			dBA				42		
Sound pressure level	Nom.			dBA				28		
Outdoor Unit				ERGA	04EV	06EVH	08EVH7			
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388				
Weight	Unit		kg			58.5				
Compressor	Quantity					1				
	Type					Hermetically sealed swing compressor				
Operation range	Cooling	Min.~Max.	°CDB			10~43				
	Domestic hot water	Min.~Max.	°CDB			-25~35				
Refrigerant	Type					R-32				
	GWP					675.0				
	Charge		kg			1.50				
	Charge		TCO ₂ /Eq			1.01				
Sound power level	Heating	Nom.	dBA		58	60		62		
	Cooling	Nom.	dBA		61		62			
Sound pressure level	Heating	Nom.	dBA		44	47		49		
	Cooling	Nom.	dBA		48	49		50		
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/230				
Current	Recommended fuses		A			25				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

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

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



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



EHVX-E3V



EHVX-E6V



EHVX-E9W



ERGA-EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHVX + ERGA	04S18E3V/E6V + 04EV	04S23E3V/E6V + 04EV	08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7
Heating capacity	Nom.		kW		4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.	kW		0.850 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
Cooling capacity	Nom.		kW		4.86 (1)/4.52 (2)		5.96 (1)/5.09 (2)		6.25 (1)/5.44 (2)	
Power input	Cooling	Nom.	kW		0.810 (1)/1.36 (2)		1.06 (1)/1.55 (2)		1.16 (1)/1.73 (2)	
COP					5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
EER					5.98 (1)/3.32 (2)		5.61 (1)/3.28 (2)		5.40 (1)/3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35	
			rys (Seasonal space heating efficiency)	%	129		128		131	
			Seasonal space heating eff. class				A			
	Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
Domestic hot water heating			rys (Seasonal space heating efficiency)	%	179		178		181	
			Seasonal space heating eff. class				A			
	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	η _{wh} (water heating efficiency)	%		127	125	125	133	125	133
				Water heating energy efficiency class			A			

Indoor Unit				EHVX	04S18E3V/E6V	04S23E3V/E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour						White + Black			
	Material						Resin / Sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg		119	128	119	128	119	128
Tank	Water volume		l		180	230	180	230	180	230
	Maximum water temperature		°C				70			
	Maximum water pressure		bar				10			
	Corrosion protection						Pickling			
Operation range	Heating	Ambient	Min.~Max.	°C			5~30			
		Water side	Min.~Max.	°C			15~65			
	Cooling	Ambient	Min.~Max.	°CDB			5~35			
		Water side	Min.~Max.	°C			5~22			
	Domestic hot water	Ambient	Min.~Max.	°CDB			5~35			
		Water side	Max.	°C			70			
Sound power level	Nom.			dBA			42			
Sound pressure level	Nom.			dBA			28			

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB			10~43	
	Domestic hot water	Min.~Max.	°CDB			-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge	kg				1.50	
	Charge	TCO ₂ /Eq				1.01	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61		62
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage	Hz/V				V3/1N~/50/230	
Current	Recommended fuses	A				25	

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

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

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



011-1W0218 → 222



EHVZ-E6V



EHVZ-E9W



ERGA-EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHVZ + ERGA	04S18E6V + 04EV	08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1)/1.26 (2)	1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	%		3.26		3.32	
			rys (Seasonal space heating efficiency)	%		127		130	
			Seasonal space heating eff. class						
	Average climate water outlet 35 °C	General	SCOP	%	4.48	4.47		4.56	
Domestic hot water heating			rys (Seasonal space heating efficiency)	%		176		179	
			Seasonal space heating eff. class						
	General	Declared load profile							
	Average climate	η _{wh} (water heating efficiency)	%		L 125	XL 133	L 125	XL 133	
				Water heating energy efficiency class					
Indoor Unit				EHVZ	04S18E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour						White + Black		
	Material						Resin / Sheet metal		
Dimensions	Unit	HeightxWidthxDepth	mm		1,650x595x625		1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg		125		133	125	133
Tank	Water volume		l		180		230	180	230
	Maximum water temperature		°C				70		
	Maximum water pressure		bar				10		
	Corrosion protection						Pickling		
Operation range	Heating	Ambient	Min.~Max.	°C			5~30		
		Water side	Min.~Max.	°C			15~65		
	Domestic hot water	Ambient	Min.~Max.	°CDB			5~35		
		Water side	Max.	°C			70		
Sound power level	Nom.			dBA			42		
Sound pressure level	Nom.			dBA			28		
Outdoor Unit				ERGA	04EV	06EVH	08EVH7		
Dimensions	Unit	HeightxWidthxDepth	mm				740x884x388		
Weight	Unit		kg				58.5		
Compressor	Quantity						1		
	Type						Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB				10~43		
	Domestic hot water	Min.~Max.	°CDB				-25~35		
Refrigerant	Type						R-32		
	GWP						675.0		
	Charge		kg				1.50		
	Charge		TCO ₂ Eq				1.01		
Sound power level	Heating	Nom.	dBA	58		60		62	
	Cooling	Nom.	dBA	61			62		
	Heating	Nom.	dBA	44		47		49	
	Cooling	Nom.	dBA	48		49		50	
Power supply	Name/Phase/Frequency/Voltage		Hz/V				V3/1N~50/230		
Current	Recommended fuses		A				25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

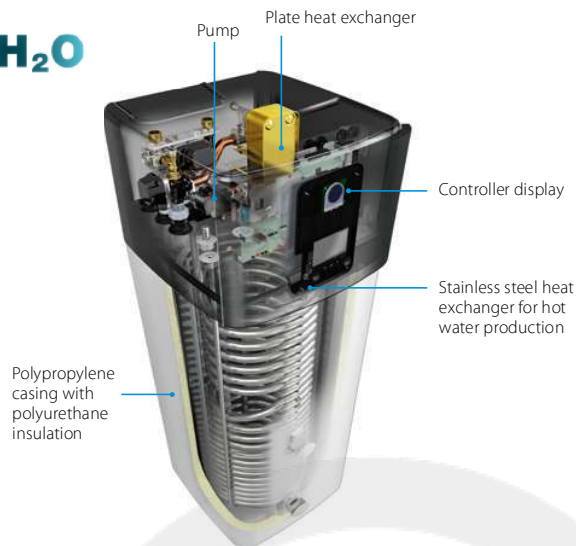


Floor standing unit with integrated ECH₂O tank

R-32

BLUEVOLUTION

ECH₂O



Floor standing air-to-water heat pump for heating and hot water with thermal solar support: ESHS units
 Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar support: ESHSB units
 Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support: EHSX units
 Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar support: EHSXB units

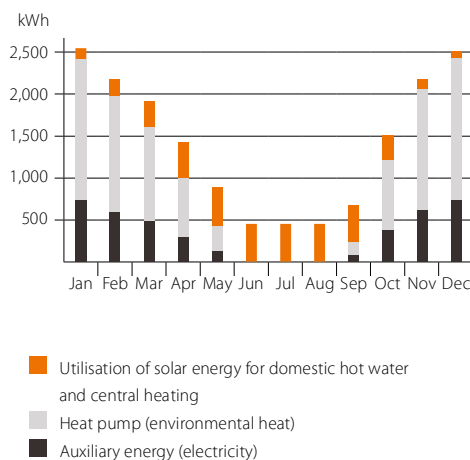
Pressureless (drain-back) solar system (ESH-E, EHSX-E)

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

Pressurised solar system (ESH-E, EHSX-E)

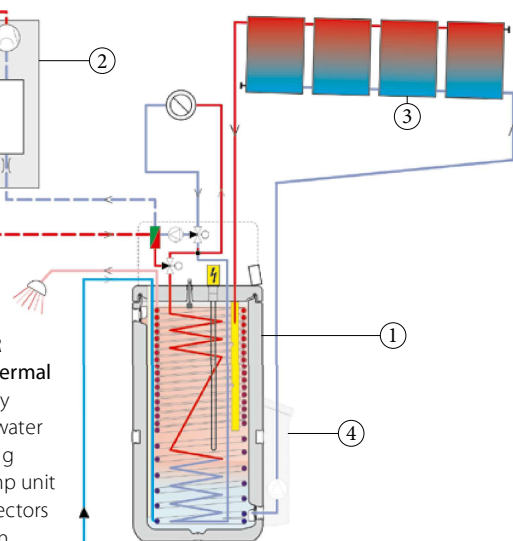
- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Daikin Altherma 3 R ECH₂O with solar thermal

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma 3 R ECH₂O

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

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Possible to connect to photovoltaic solar panels to provide energy for your heat pump
- Compatible with the Onecta app
- Voice control available



011-1W0262
011-1W0264
→ 267



ESH-E



ERGA-EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHSH + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)	1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26			3.32	
			η _{sp} (Seasonal space heating efficiency)	%	127			130	
	Average climate water outlet 35 °C	General	SCOP		4.48	4.47		4.56	
			η _{sp} (Seasonal space heating efficiency)	%	176			179	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	
	Average climate	η _{wh} (water heating efficiency)			118	125	118	125	
		Water heating energy efficiency class							

Indoor Unit				EHSH	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm		1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	
Weight	Unit		kg		77	107	77	107	
Tank	Water volume		l		294	477	294	477	
	Maximum water temperature		°C			85			
Operation range	Heating	Ambient	Min.~Max.	°C		-25~-25			
		Water side	Min.~Max.	°C		18~65			
	Domestic hot water	Ambient	Min.~Max.	°CDB		-25~35			
		Water side	Min.~Max.	°C		25~55			
Sound power level	Nom.		dBA			39			
Outdoor Unit				ERGA	04EV	06EVH	08EVH7		
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388			
Weight	Unit		kg			58.5			
Compressor	Quantity					1			
	Type					Hermetically sealed swing compressor			
Operation range	Cooling	Min.~Max.	°CDB			10.0~43.0			
	Domestic hot water	Min.~Max.	°CDB			-25~35			
Refrigerant	Type					R-32			
	GWP					675.0			
	Charge		kg			1.50			
	Charge		TCO ₂ Eq			1.01			
	Control					Expansion valve			
Sound power level	Heating	Nom.	dBA		58	60	62		
	Cooling	Nom.	dBA		61				
Sound pressure level	Heating	Nom.	dBA		44	47	49		
	Cooling	Nom.	dBA		48	49	50		
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/230			
Current	Recommended fuses		A			25			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

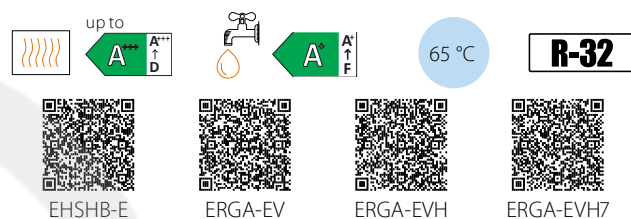
Daikin Altherma 3 R ECH₂O

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

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



011-1W0262
011-1W0264 → 267



Efficiency data				EHSHB + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.		kW		4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.	kW		0.84 (1)/1.26 (2)	1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP			3.26		3.32	
			rs (Seasonal space heating efficiency)	%		127		130	
	Average climate water outlet 35 °C	General	SCOP		4.48	4.47		4.56	
			rs (Seasonal space heating efficiency)	%		176		179	
Domestic hot water heating	General	Declared load profile			L	XL		L	XL
	Average climate	η _{wh} (water heating efficiency)	%		118	125		118	125
				Water heating energy efficiency class					
Indoor Unit				EHSHB	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth	mm		1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	
Weight	Unit		kg		79	110	79	110	
Tank	Water volume		l		294	477	294	477	
	Maximum water temperature		°C			85			
Operation range	Heating	Ambient	Min.~Max.	°C		-25~-25			
		Water side	Min.~Max.	°C		18~65			
	Domestic hot water	Ambient	Min.~Max.	°CDB		-25~-35			
		Water side	Min.~Max.	°C		25~55			
Sound power level	Nom.		dBA			39			
Outdoor Unit				ERGA	04EV	06EVH	08EVH7		
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388			
Weight	Unit		kg			58.5			
Compressor	Quantity					1			
	Type					Hermetically sealed swing compressor			
Operation range	Cooling	Min.~Max.	°CDB			10.0~43.0			
	Domestic hot water	Min.~Max.	°CDB			-25~35			
Refrigerant	Type					R-32			
	GWP					675.0			
	Charge		kg			1.50			
	Charge		TCO ₂ Eq			1.01			
	Control					Expansion valve			
Sound power level	Heating	Nom.	dBA		58	60		62	
	Cooling	Nom.	dBA		61		62		
Sound pressure level	Heating	Nom.	dBA		44	47		49	
	Cooling	Nom.	dBA		48	49		50	
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/IN~/50/230			
Current	Recommended fuses		A			25			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

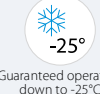
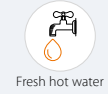
Daikin Altherma 3 R ECH₂O

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

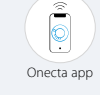
- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Possible to connect to photovoltaic solar panels to provide energy for your heat pump
- Compatible with the Onecta app
- Voice control available



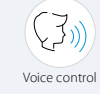
011-1W0262 → 267



Guaranteed operation down to -25°C



Onecta app



Voice control



EHSX-E



ERGA-EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1)/4.52 (2)		5.96 (1)/5.09 (2)		6.25 (1)/5.44 (2)	
Power input	Cooling	Nom.		kW	0.81 (1)/1.36 (2)		1.06 (1)/1.55 (2)		1.16 (1)/1.73 (2)	
COP					5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
EER					5.98 (1)/3.32 (2)		5.61 (1)/3.28 (2)		5.40 (1)/3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35	
			η _{sp} (Seasonal space heating efficiency)	%	129		128		131	
	Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
			η _{sp} (Seasonal space heating efficiency)	%	179		178		181	
Domestic hot water heating	Average climate	Declared load profile			L	XL	L	XL	L	XL
		η _{wh} (water heating efficiency)		%	118	125	118	125	118	125
		Water heating energy efficiency class								

Indoor Unit				EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	
Weight	Unit		kg	77	107	77	107	77	107	
Tank	Water volume		l	294	477	294	477	294	477	
	Maximum water temperature		°C				85			
Operation range	Heating	Ambient	Min.~Max.	°C			-25~-25			
		Water side	Min.~Max.	°C			18~-65			
	Cooling	Ambient	Min.~Max.	°CDB			10~43			
		Water side	Min.~Max.	°C			5~22			
	Domestic hot water	Ambient	Min.~Max.	°CDB			-25~-35			
		Water side	Min.~Max.	°C			25~55			
Sound power level	Nom.		dBA				39			

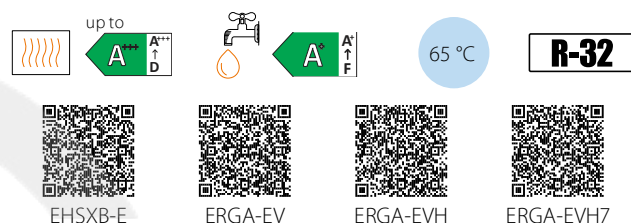
Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB			10.0~43.0	
	Domestic hot water	Min.~Max.	°CDB			-25 ~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge		kg			1.50	
	Charge		TCO ₂ Eq			1.01	
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61		62
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/230	
Current	Recommended fuses		A			25	

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.



Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for **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
- Compatible with the Onecta app
- Voice control available



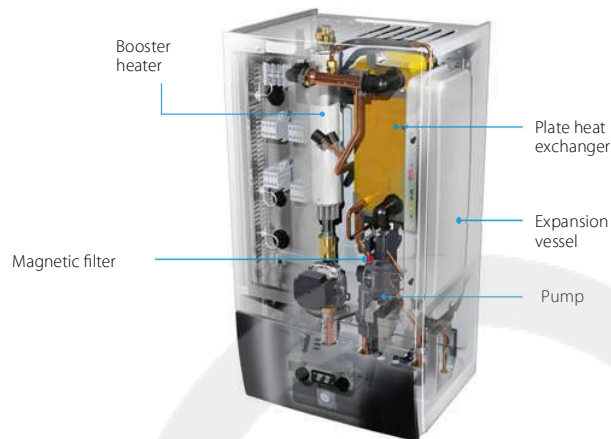
011-1W0262 → 267

Efficiency data				EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1)/4.52 (2)		5.96 (1)/5.09 (2)		6.25 (1)/5.44 (2)	
Power input	Cooling	Nom.		kW	0.81 (1)/1.36 (2)		1.06 (1)/1.55 (2)		1.16 (1)/1.73 (2)	
COP					5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
EER					5.98 (1)/3.32 (2)		5.61 (1)/3.28 (2)		5.40 (1)/3.14 (2)	
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35	
			η _{sp} (Seasonal space heating efficiency)	%	129		128		131	
	Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
			η _{sp} (Seasonal space heating efficiency)	%	179		178		181	
 Domestic hot water heating	General climate	Declared load profile			L	XL	L	XL	L	XL
			η _{wh} (water heating efficiency)	%	118	125	118	125	118	125
			Water heating energy efficiency class							
Indoor Unit				EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm		1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812
Weight	Unit		kg		79	110	79	110	79	110
Tank	Water volume		l		294	477	294	477	294	477
	Maximum water temperature		°C		85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~-25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.		dBA		39					
Outdoor Unit				ERGA	04EV	06EVH	08EVH7			
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388					
Weight	Unit		kg		58.5					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.	°CDB		10.0~43.0					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge		kg		1.50					
	Charge		TCO ₂ Eq		1.01					
Sound power level	Heating	Nom.	dBA		58	60	62			
	Cooling	Nom.	dBA		61		62			
Sound pressure level	Heating	Nom.	dBA		44	47	49			
	Cooling	Nom.	dBA		48	49	50			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230					
Current	Recommended fuses			A	25					

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.



All hydraulic parts included in the compact wall mounted unit.

Wall mounted heating only air-to-water heat pump: EHBH units
Wall mounted reversible air-to-water heat pump: EHBX units



Heat pump convector for heating or cooling

Domestic hot water



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

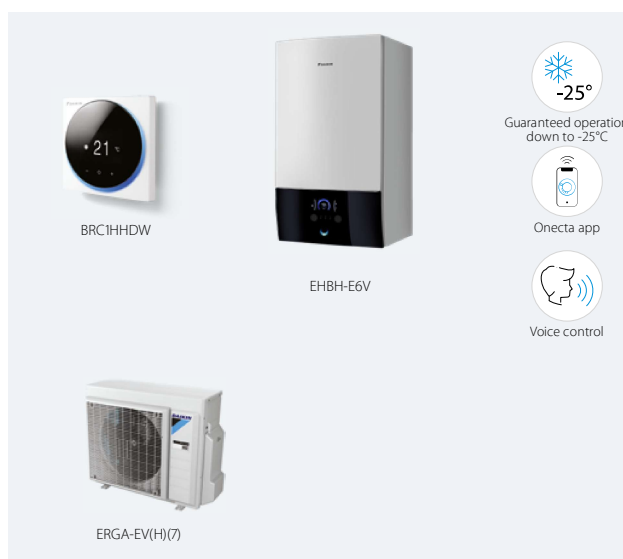


Introduction	Residential indoor air quality	Heating	Split	Sky Air	Rooftop	VRV	Commercial Ventilation & Air purification	Marine Industry	Chillers	Fan coil units	Air handling units	Commercial & Transport Refrigeration	Control systems
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Daikin Altherma 3 R W

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

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH₂O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



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



EHBH-E6V



EHBH-E9W



ERGA-EV



ERGA-EVH



ERGA-EVH7

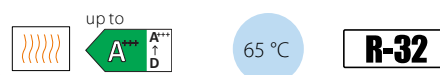
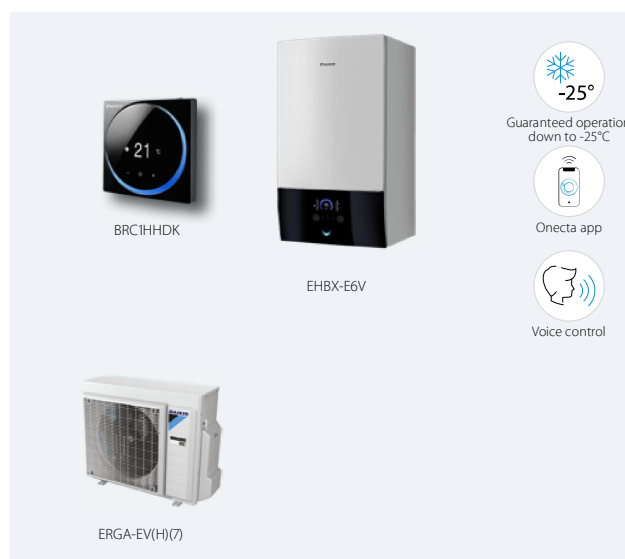
Efficiency data				EHBH + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1)/1.26 (2)	1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class	A+++					
	Average climate water outlet 35 °C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176		179		
				Seasonal space heating eff. class	A+++				
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(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

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

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH₂O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



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



EHBX-E6V



EHBX-E9W





ERGA-EV



ERGA-EVH



ERGA-EVH7

Efficiency data				EHBX + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)		6.00 (1)/5.90 (2)		7.50 (1)/7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)
Cooling capacity	Nom.			kW	4.86 (1)/4.52 (2)		5.96 (1)/5.09 (2)		6.25 (1)/5.44 (2)
Power input	Cooling	Nom.		kW	0.810 (1)/1.36 (2)		1.06 (1)/1.55 (2)		1.16 (1)/1.73 (2)
COP					5.10 (1)/3.65 (2)		4.85 (1)/3.50 (2)		4.60 (1)/3.50 (2)
EER					5.98 (1)/3.32 (2)		5.61 (1)/3.28 (2)		5.40 (1)/3.14 (2)
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35
			η _s (Seasonal space heating efficiency)	%	129		128		131
			Seasonal space heating eff. class						
 Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
		η _s (Seasonal space heating efficiency)	%	179		178		181	
		Seasonal space heating eff. class							

Indoor Unit				EHBX	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour						White + Black		
	Material						Resin, sheet metal		
Dimensions	Unit	HeightxWidthxDepth	mm				840x440x390		
Weight	Unit		kg		42.0		42.4	42.0	42.4
Operation range	Heating	Water side Min.~Max.	°C				15 ~ 65		
	Domestic hot water	Water side Min.~Max.	°C				25~75		
Sound power level	Nom.		dBA				42		
Sound pressure level	Nom.		dBA				28		

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm			740x884x388	
Weight	Unit		kg			58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB			10~43	
	Domestic hot water	Min.~Max.	°CDB			-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge		kg			1.50	
	Charge		TCO ₂ Eq			1.01	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA	58		60	62
	Cooling	Nom.	dBA	61			62
Sound pressure level	Heating	Nom.	dBA	44		47	49
	Cooling	Nom.	dBA	48		49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/IN~/50/230	
Current	Recommended fuses		A			25	

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656








ELVH-E6V



ELVH-E9W



ERRA08-12EW1

Efficiency data				ELVH + ERRA		12S18E6V/9W + 08EW1	12S23E6V/9W + 08EW1	12S18E6V/9W + 10EW1	12S23E6V/9W + 10EW1	12S18E6V/9W + 12EW1	12S23E6V/9W + 12EW1
 Space heating	Average climate water outlet 55 °C	General	SCOP	%	3.42		3.43		3.53		
			η _{sp} (Seasonal space heating efficiency)		134		138				
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class								
			SCOP	4.81		4.84					
			η _{sp} (Seasonal space heating efficiency)	%	190		191				
			Seasonal space heating eff. class								
 Domestic hot water heating	General Average climate	Declared load profile					L				
		COP	dhw	2.8	3.05	2.8	3.05	2.8	3.05		
		η _{wh} (water heating efficiency)	%	120	130	120	130	120	130		
		Water heating energy efficiency class									
Indoor Unit				ELVH	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour	White + Black									
	Material	Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit		kg	120	129	120	129	120	129		
Tank	Water volume		l	180	230	180	230	180	230		
	Maximum water temperature		°C	70							
	Maximum water pressure		bar	10							
	Corrosion protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25						
		Water side	Min.~Max.	°C	15 ~ 65						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35						
		Water side	Min.~Max.	°C	25 ~ 62						
Sound power level	Nom.		dBA	44							
Sound pressure level	Nom.		dBA	30							
Outdoor Unit				ERRA	08EW1	10EW1	12EW1				
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	107							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25							
	Cooling	Min.~Max.	°CDB	10 ~ 43							
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.25							
	Charge		TCO ₂ Eq	2.19							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				56							
Sound pressure level Nom. (at 1 meter)				41.1							
Power supply	Name/Phase/Frequency/Voltage		Hz/V	W1/3~/50/400							
Current	Recommended fuses		A	16							

This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R M T F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656








ELVH-E6V



ELVH-E9W



ERRA08-12EW1

Efficiency data					ELVH + ERRA		12S18E6V/9W + 08EV3	12S23E6V/9W + 08EV3	12S18E6V/9W + 10EV3	12S23E6V/9W + 10EV3	12S18E6V/9W + 12EV3	12S23E6V/9W + 12EV3
	Space heating	Average climate water outlet 55 °C	General	SCOP	%	3.34		131		3.44		135
				rys (Seasonal space heating efficiency)								
		Seasonal space heating eff. class										
		Domestic hot water heating	Average climate	General	SCOP	%	4.69		4.71			
				rys (Seasonal space heating efficiency)		184		186				
		Seasonal space heating eff. class										
		Declared load profile				L						
	Average climate	COP	dhw		2.72	2.96	2.72	2.96	2.72	2.96		
		ηwh (water heating efficiency)	%		117	126	117	126	117	126		
		Water heating energy efficiency class										
Indoor Unit					ELVH	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour	White + Black										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm		1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit		kg		120	129	120	129	120	129		
Tank	Water volume		l		180	230	180	230	180	230		
	Maximum water temperature		°C		70							
	Maximum water pressure		bar		10							
	Corrosion protection				Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25							
		Water side	Min.~Max.	°C	15 ~ 65							
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35							
		Water side	Min.~Max.	°C	25 ~ 62							
Sound power level	Nom.		dBA		44							
Sound pressure level	Nom.		dBA		30							
Outdoor Unit					ERRA	08EV3	10EV3		12EV3			
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533							
Weight	Unit		kg		107							
Compressor	Quantity				1							
	Type				Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25							
	Cooling	Min.~Max.	°CDB		10 ~ 43							
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35							
Refrigerant	Type				R-32							
	GWP				675							
	Charge		kg		3.25							
	Charge		TCO2Eq		2.19							
	Control				Expansion valve							
LW(A) Sound power level (according to EN14825)					54							
Sound pressure level Nom. (at 1 meter)					40.6							
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230							
Current	Recommended fuses		A		32							

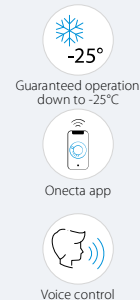
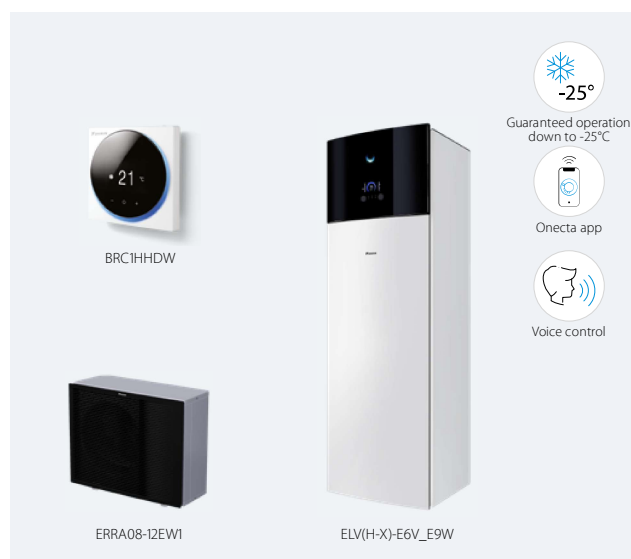
This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656





ELVX-E6V



ELVX-E9W



ERRA08-12EW1

Efficiency data				ELVX + ERRA		12S18E6V/9W + 08EW1	12S23E6V/9W + 08EW1	12S18E6V/9W + 10EW1	12S23E6V/9W + 10EW1	12S18E6V/9W + 12EW1	12S23E6V/9W + 12EW1
 Space heating	Average climate water outlet 55 °C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	3.47		136		3.48		3.58
			Seasonal space heating eff. class								140
	Average climate water outlet 35 °C	General	SCOP	η _{sp} (Seasonal space heating efficiency) %	4.95				4.98		
			Seasonal space heating eff. class		195				196		
 Domestic hot water heating	General	Declared load profile					L				
	Average climate	COP	dhw	2.8	3.05	2.8	3.05	2.8	3.05		
		η _{wh} (water heating efficiency) %	120	130	120	130	120	130			
		Water heating energy efficiency class									
Indoor Unit				ELVX	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour	White + Black									
	Material	Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit		kg	120	129	120	129	120	129		
Tank	Water volume		l	180	230	180	230	180	230		
	Maximum water temperature		°C			70					
	Maximum water pressure		bar			10					
	Corrosion protection					Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C			-25 ~ 25				
		Water side	Min.~Max.	°C			15 ~ 65				
	Domestic hot water	Ambient	Min.~Max.	°C			-25 ~ 35				
		Water side	Min.~Max.	°C			25 ~ 62				
Sound power level	Nom.		dBA			44					
Sound pressure level	Nom.		dBA			30					
Outdoor Unit				ERRA	08EW1	10EW1	12EW1				
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,270x533					
Weight	Unit		kg			107					
Compressor	Quantity					1					
	Type					Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.	°CDB			-25 ~ 25					
	Cooling	Min.~Max.	°CDB			10 ~ 43					
	Domestic hot water	Min.~Max.	°CDB			-25 ~ 35					
Refrigerant	Type					R-32					
	GWP					675					
	Charge	kg				3.25					
	Charge	TCO2Eq				2.19					
	Control					Expansion valve					
LW(A) Sound power level (according to EN14825)						56					
Sound pressure level Nom. (at 1 meter)						41.1					
Power supply	Name/Phase/Frequency/Voltage		Hz/V			W1/3~/50/400					
Current	Recommended fuses		A			16					

This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT F

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

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656








ELVX-E6V



ELVX-E9W



ERRA08-12EW1

Efficiency data					ELVX + ERRA		12S18E6V/9W + 08EV3	12S23E6V/9W + 08EV3	12S18E6V/9W + 10EV3	12S23E6V/9W + 10EV3	12S18E6V/9W + 12EV3	12S23E6V/9W + 12EV3
 Space heating	Average climate water outlet 55 °C	General	SCOP	%	3.37		132		3.38		3.47	
			ηs (Seasonal space heating efficiency)	%							136	
			Seasonal space heating eff. class									
	Average climate water outlet 35 °C	General	SCOP	%	4.79				4.82			
			ηs (Seasonal space heating efficiency)	%	188				190			
			Seasonal space heating eff. class									
 Domestic hot water heating	General	Declared load profile							L			
	Average climate	COP		dhw	2.72	2.96	2.72	2.96	2.72	2.96		
		ηwh (water heating efficiency)		%	117	126	117	126	117	126		
			Water heating energy efficiency class									
Indoor Unit					ELVX	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour				White + Black							
	Material				Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm		1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit		kg		120	129	120	129	120	129		
Tank	Water volume		l		180	230	180	230	180	230		
	Maximum water temperature		°C		70							
	Maximum water pressure		bar		10							
	Corrosion protection				Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25							
		Water side	Min.~Max.	°C	15 ~65							
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~35							
		Water side	Min.~Max.	°C	25 ~62							
Sound power level	Nom.		dBA		44							
Sound pressure level	Nom.		dBA		30							
Outdoor Unit					ERRA	08EV3	10EV3	12EV3				
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533							
Weight	Unit		kg		107							
Compressor	Quantity				1							
	Type				Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25							
	Cooling	Min.~Max.	°CDB		10 ~ 43							
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35							
Refrigerant	Type				R-32							
	GWP				675							
	Charge		kg		3.25							
	Charge		TCO2Eq		2.19							
	Control				Expansion valve							
LW(A) Sound power level (according to EN14825)					54							
Sound pressure level Nom. (at 1 meter)					40.6							
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230							
Current	Recommended fuses		A		32							

This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656








ELVZ-E6V



ELVZ-E9W



ERRA08-12EW1

Efficiency data				ELVZ + ERRA		12S18E6V/9W + 08EW1		12S23E6V/9W + 08EW1		12S18E6V/9W + 10EW1		12S23E6V/9W + 10EW1		12S18E6V/9W + 12EW1		12S23E6V/9W + 12EW1			
 Space heating	Average climate water outlet 55 °C	General	SCOP			3.42				3.43				3.58					
			ηs (Seasonal space heating efficiency)	%	134				134				138						
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class							 A++									
			SCOP		4.81				4.84										
			ηs (Seasonal space heating efficiency)	%	190				191										
			Seasonal space heating eff. class							 A++									
 Domestic hot water heating	Average climate	General	Declared load profile						L										
			COP	dhw	2.8	3.05	2.8	3.05	2.8	3.05									
			ηwh (water heating efficiency)	%	120	130	120	130	120	130									
			Water heating energy efficiency class				 A++												
Indoor Unit				ELVZ	12S18E6V/9W		12S23E6V/9W		12S18E6V/9W		12S23E6V/9W		12S18E6V/9W		12S23E6V/9W				
Casing	Colour	White + Black																	
	Material	Precoated sheet metal																	
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634		1,855x595x634		1,655x595x634		1,855x595x634		1,655x595x634		1,855x595x634					
Weight	Unit		kg	133		141		133		141		133		141					
Tank	Water volume		l	180		230		180		230		180		230					
	Maximum water temperature		°C	70															
	Maximum water pressure		bar	10															
	Corrosion protection			Pickling															
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25														
		Water side	Min.~Max.	°C	15 ~ 65														
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35														
		Water side	Min.~Max.	°C	25 ~ 62														
Sound power level	Nom.		dBA	44															
Sound pressure level	Nom.		dBA	30															
Outdoor Unit				ERRA	08EW1		08EW1		10EW1		10EW1		12EW1		12EW1				
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533															
Weight	Unit		kg	107															
Compressor	Quantity			1															
	Type			Hermetically sealed swing compressor															
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25															
	Cooling	Min.~Max.	°CDB	10 ~ 43															
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35															
Refrigerant	Type			R-32															
	GWP			675															
	Charge		kg	3.25															
	Charge		TCO2Eq	2.19															
	Control			Expansion valve															
LW(A) Sound power level (according to EN14825)				56															
Sound pressure level Nom. (at 1 meter)				41.1															
Power supply	Name/Phase/Frequency/Voltage			Hz/V	W1/3~/50/400														
Current	Recommended fuses			A	16														

This product contains fluorinated greenhouse gases.

Floor standing unit with integrated ECH₂O tank

R-32

BLUEVOLUTION

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water. The ECH₂O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.



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

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

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

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

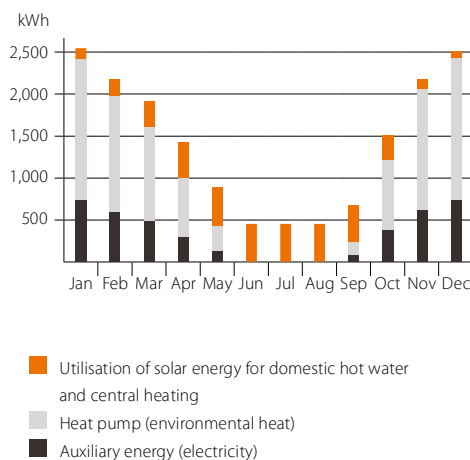
Pressureless (drain-back) solar system (ELSH*, ELSX*)

- 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 (ELSHB*, ELSXB*)

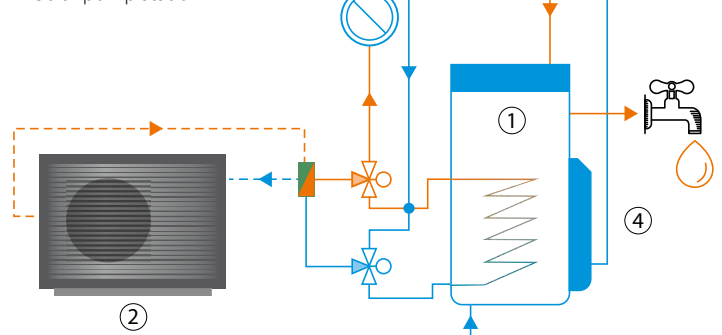
- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma

3 R MT 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
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- 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



011-1W0657
011-1W0658

Efficiency data				ELSH + ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 12EW1	12P50E + 12EW1
Space heating	Average climate water outlet 55 °C	General	SCOP		3.42		3.43		3.53	
			η _{sp} (Seasonal space heating efficiency)			134				138
	Average climate water outlet 35 °C	General	SCOP		4.81			4.84		
			η _{sp} (Seasonal space heating efficiency)		190			191		
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COP	dhw		2.83	3.29	2.83	3.29	2.83	3.29
		η _{wh} (water heating efficiency)	%		119	136	119	136	119	136
		Water heating energy efficiency class								
Indoor Unit				ELSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit		kg	76	91	76	91	76	91	
Tank	Water volume		l	294	477	294	477	294	477	
	Maximum water temperature		°C			85				
Operation range	Heating	Ambient	Min.~Max.			-25 ~25				
		Water side	Min.~Max.			15 ~ 65				
	Domestic hot water	Ambient	Min.~Max.			-25 ~ 35				
		Water side	Min.~Max.			25 ~ 62				
Sound power level	Nom.		dBA			44.7				
Sound pressure level	Nom.		dBA			36.8				
Outdoor Unit				ERRA	08EW1	10EW1	12EW1			
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,270x533				
Weight	Unit		kg			107				
Compressor	Quantity					1				
	Type					Hermetically sealed swing compressor				
Operation range	Heating	Min.~Max.	°CDB			-25 ~25				
	Domestic hot water	Min.~Max.	°CDB			-25 ~35				
Refrigerant	Type					R-32				
	GWP					675				
	Charge		kg			3.25				
	Charge		TCO2Eq			2.19				
	Control					Expansion valve				
LW(A) Sound power level (according to EN14825)						56				
Sound pressure level Nom. (at 1 meter)						41.1				
Power supply	Name/Phase/Frequency/Voltage		Hz/V			W1/3~/50/400				
Current	Recommended fuses		A			16				

This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT 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
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- 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








011-1W0657
011-1W0658



ELSH-E



ERRA08-12EV3

Efficiency data				ELSH + ERRA		12P30E + 08EV3	12P50E + 08EV3	12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3
 Space heating	Average climate water outlet 55 °C	General	SCOP			130		131		135	
			ηs (Seasonal space heating efficiency) %								
			Seasonal space heating eff. class								
	Average climate water outlet 35 °C	General	SCOP	4.69		184		4.71		186	
		ηs (Seasonal space heating efficiency) %									
			Seasonal space heating eff. class								
 Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
	Average climate	COP	dhw	2.75	3.19	2.75	3.19	2.75	3.19		
		ηwh (water heating efficiency) %		116	132	116	132	116	132		
			Water heating energy efficiency class								
Indoor Unit				ELSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour			Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material			Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit		kg	76	91	76	91	76	91		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25						
		Water side	Min.~Max.	°C	15 ~65						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~35						
Water side		Min.~Max.	°C	25 ~62							
Sound power level	Nom.		dBA	44.7							
Sound pressure level	Nom.		dBA	36.8							
Outdoor Unit				ERRA	08EV3	10EV3		12EV3			
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	107							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25							
	Domestic hot water	Min.~Max.	°CDB	-25 ~35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.25							
	Charge		TCO2Eq	2.19							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)				54							
Sound pressure level Nom. (at 1 meter)				40.6							
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230							
Current	Recommended fuses		A	32							

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R MT 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



011-1W0657
011-1W0658

Efficiency data			ELSHB + ERRA 12P30E + 08EW1 12P50E + 08EW1 12P30E + 10EW1 12P50E + 10EW1 12P30E + 12EW1 12P50E + 12EW1							
Space heating	Average climate water outlet 55 °C	General	SCOP	3.42		3.43		3.53		
			η _{sp} (Seasonal space heating efficiency) %		134				138	
	Average climate water outlet 35 °C	General	SCOP	4.81		4.84				
			η _{sp} (Seasonal space heating efficiency) %	190		191				
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
	Average climate	COP	dhw	2.83	3.29	2.83	3.29	2.83	3.29	
		η _{wh} (water heating efficiency) %		119	136	119	136	119	136	
		Water heating energy efficiency class								

Indoor Unit				ELSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit				76	91	76	91	76	91
Tank	Water volume	l			294	477	294	477	294	477
	Maximum water temperature	°C			85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25					
		Water side	Min.~Max.	°C	15 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	25 ~ 62					
Sound power level	Nom.	dBA			44.7					
Sound pressure level	Nom.	dBA			36.8					
Outdoor Unit				ERRA	08EW1	10EW1		12EW1		
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533						
Weight	Unit	kg			107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.	°CDB	-25 ~25						
	Domestic hot water	Min.~Max.	°CDB	-25 ~35						
Refrigerant	Type				R-32					
	GWP				675					
	Charge	kg			3.25					
	Charge	TCO2Eq			2.19					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)				56						
Sound pressure level Nom. (at 1 meter)				41.1						
Power supply	Name/Phase/Frequency/Voltage			Hz/V	W1/3~/50/400					
Current	Recommended fuses			A	16					

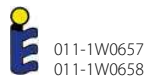
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Daikin Altherma

3 R MT ECH₂O

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






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- 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



ELSHB-E



ERRA08-12EV3

Efficiency data				ELSHB + ERRA 12P30E + 08EV3 12P50E + 08EV3 12P30E + 10EV3 12P50E + 10EV3 12P30E + 12EV3 12P50E + 12EV3							
 Space heating	Average climate water outlet 55 °C	General	SCOP	3.44							
		ηs (Seasonal space heating efficiency)	%	130		131		135			
	Seasonal space heating eff. class										
	Average climate water outlet 35 °C	General	SCOP	4.69		184		4.71		186	
ηs (Seasonal space heating efficiency)			%								
Seasonal space heating eff. class											
 Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
	Average climate	COP	dhw	2.75	3.19	2.75	3.19	2.75	3.19		
	ηwh (water heating efficiency)	%	116	132	116	132	116	132			
	Water heating energy efficiency class										

Indoor Unit			ELSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit		kg	76	91	76	91	76	91
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C				85		
Operation range	Heating	Ambient	Min.~Max.				-25 ~25		
		Water side	Min.~Max.				15 ~65		
	Domestic hot water	Ambient	Min.~Max.				-25 ~35		
		Water side	Min.~Max.				25 ~62		
Sound power level	Nom.		dBA				44.7		
Sound pressure level	Nom.		dBA				36.8		

Outdoor Unit			ERRA	08EV3	10EV3	12EV3
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		107	
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25	
	Domestic hot water	Min.~Max.	°CDB		-25 ~35	
Refrigerant	Type				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO2Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					54	
Sound pressure level Nom. (at 1 meter)					40.6	
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230	
Current	Recommended fuses		A		32	

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Daikin Altherma






3 R MT 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 and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- 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



011-1W0657
011-1W0658

Efficiency data				ELSX+ ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 10EW1	12P50E + 10EW1
 Space heating	Average climate water outlet 55 °C	General	SCOP		3.47		3.48		3.48	
			ηs (Seasonal space heating efficiency)	%			136			
			Seasonal space heating eff. class							
	Average climate water outlet 35 °C	General	SCOP		4.95			4.98		
ηs (Seasonal space heating efficiency)			%	195			196			
Seasonal space heating eff. class										
 Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
	Average COP	dhw	2.83	3.29	2.83	3.29	2.83	3.29		
	climate ηwh (water heating efficiency)	%	119	136	119	136	119	136		
	Water heating energy efficiency class									

Indoor Unit				ELSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit		kg	76	91	76	91	76	91	
Tank	Water volume		l	294	477	294	477	294	477	
	Maximum water temperature		°C			85				
Operation range	Heating	Ambient	Min.~Max.			-25 ~25				
		Water side	Min.~Max.			15 ~65				
	Domestic hot water	Ambient	Min.~Max.			-25 ~35				
		Water side	Min.~Max.			25 ~62				
Sound power level	Nom.		dBA			44.7				
Sound pressure level	Nom.		dBA			36.8				
Outdoor Unit				ERRA	08EW1	10EW1	12EW1			
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,270x533				
Weight	Unit		kg			107				
Compressor	Quantity					1				
	Type					Hermetically sealed swing compressor				
Operation range	Heating	Min.~Max.	°CDB			-25 ~25				
	Domestic hot water	Min.~Max.	°CDB			-25 ~35				
Refrigerant	Type					R-32				
	GWP					675				
	Charge		kg			3.25				
	Charge		TCO2Eq			2.19				
	Control					Expansion valve				
LW(A) Sound power level (according to EN14825)						56				
Sound pressure level Nom. (at 1 meter)						41.1				
Power supply	Name/Phase/Frequency/Voltage		Hz/V			W1/3~/50/400				
Current	Recommended fuses		A			16				

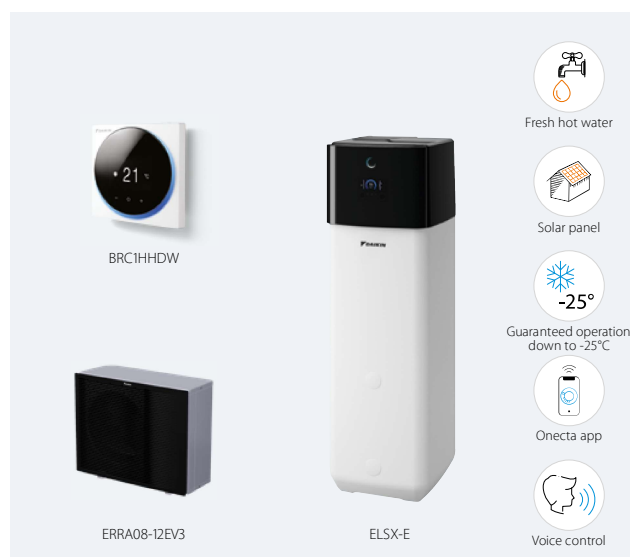
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011-1W0657
011-1W0658



ELSX-E



ERRA08-12EV3

Efficiency data			ELSX+ ERRA	12P30E + 08EV3	12P50E + 08EV3	12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3
Space heating	Average climate water outlet 55 °C	General	SCOP	3.37		3.38		3.47	
			η _{sp} (Seasonal space % heating efficiency)	132				136	
	Average climate water outlet 35 °C	General	SCOP	4.79			4.82		
			η _{sp} (Seasonal space % heating efficiency)	188			190		
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
	Average climate	COP	dhw	2.75	3.19	2.75	3.19	2.75	3.19
		η _{wh} (water heating efficiency) %		116	132	116	132	116	132
		Water heating energy efficiency class							

Indoor Unit			ELSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit		kg	76	91	76	91	76	91
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C			85			
Operation range	Heating	Ambient	Min.~Max.			-25 ~25			
		Water side	Min.~Max.			15 ~65			
	Domestic hot water	Ambient	Min.~Max.			-25 ~35			
		Water side	Min.~Max.			25 ~62			
Sound power level	Nom.		dBA			44.7			
Sound pressure level	Nom.		dBA			36.8			
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Heating	Min.~Max.	°CDB		-25 ~25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power level (according to EN14825)					54				
Sound pressure level Nom. (at 1 meter)					40.6				
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230				
Current	Recommended fuses		A		32				

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R MT ECH₂O

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- Bivalent system: combinable with a secondary heat source



011-1W0657
011-1W0658

Efficiency data			ELSXB+ ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 10EW1	12P50E + 10EW1
Space heating	Average climate water outlet 55 °C	General	SCOP	3.47		3.48		3.48	
			η _{sp} (Seasonal space heating efficiency) %			136			
	Average climate water outlet 35 °C	General	SCOP	4.95			4.98		
			η _{sp} (Seasonal space heating efficiency) %	195			196		
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
	Average climate	COP		2.83	3.29	2.83	3.29	2.83	3.29
		η _{wh} (water heating efficiency) %		119	136	119	136	119	136
		Water heating energy efficiency class							

Indoor Unit		ELSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material	Impact resistant polypropylene						
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680
Weight	Unit		kg	76	91	76	91	76
Tank	Water volume		l	294	477	294	477	294
	Maximum water temperature		°C		85			
Operation range	Heating	Ambient	Min.~Max.		-25 ~25			
		Water side	Min.~Max.		15 ~65			
	Domestic hot water	Ambient	Min.~Max.		-25 ~35			
		Water side	Min.~Max.		25 ~62			
Sound power level	Nom.		dBA		44.7			
Sound pressure level	Nom.		dBA		36.8			

Outdoor Unit			ERRA	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit		kg	107		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-25 ~25		
	Domestic hot water	Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type			R-32		
	GWP			675		
	Charge		kg	3.25		
	Charge		TCO2Eq	2.19		
	Control			Expansion valve		
LW(A) Sound power level (according to EN14825)				56		
Sound pressure level Nom. (at 1 meter)				41.1		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	W1/3~/50/400		
Current	Recommended fuses		A	16		

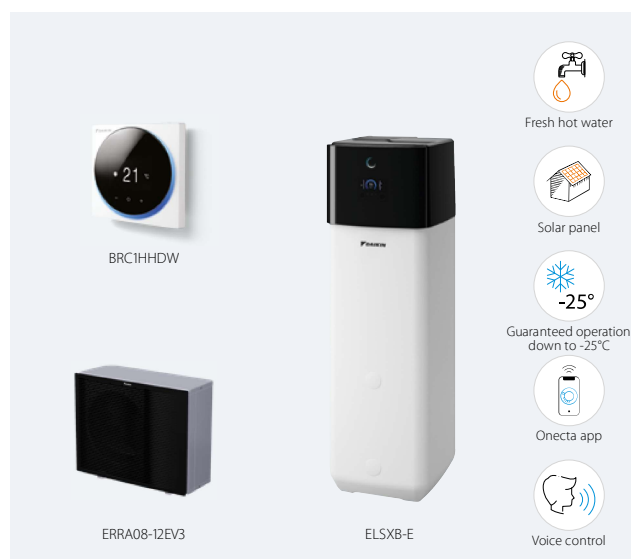
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Daikin Altherma

3 R MT ECH₂O

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- Bivalent system: combinable with a secondary heat source



ELSXB-E

ERRA08-12EV3

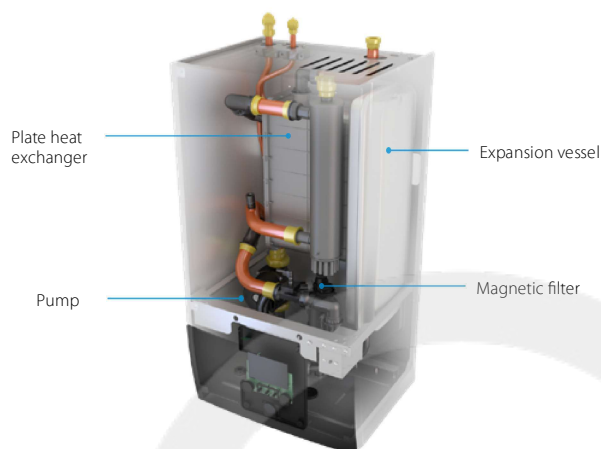
Efficiency data			ELSXB+ ERRA	12P30E + 08EV3	12P50E + 08EV3	12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3
Space heating	Average climate water outlet 55 °C	General	SCOP	3.37		3.38		3.47	
			η _{sp} (Seasonal space % heating efficiency)		132				136
	Average climate water outlet 35 °C	General	SCOP	4.79			4.82		
			η _{sp} (Seasonal space % heating efficiency)	188			190		
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
	Average climate	COP		2.75	3.19	2.75	3.19	2.75	3.19
		η _{wh} (water heating efficiency) %		116	132	116	132	116	132
		Water heating energy efficiency class							

Indoor Unit			ELSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit		kg	76	91	76	91	76	91
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C			85			
Operation range	Heating	Ambient	Min.~Max.			-25 ~25			
		Water side	Min.~Max.			15 ~65			
	Domestic hot water	Ambient	Min.~Max.			-25 ~35			
		Water side	Min.~Max.			25 ~62			
Sound power level	Nom.		dBA			44.7			
Sound pressure level	Nom.		dBA			36.8			
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Heating	Min.~Max.	°CDB		-25 ~25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power level (according to EN14825)					54				
Sound pressure level Nom. (at 1 meter)					40.6				
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230				
Current	Recommended fuses		A		32				

This product contains fluorinated greenhouse gases.

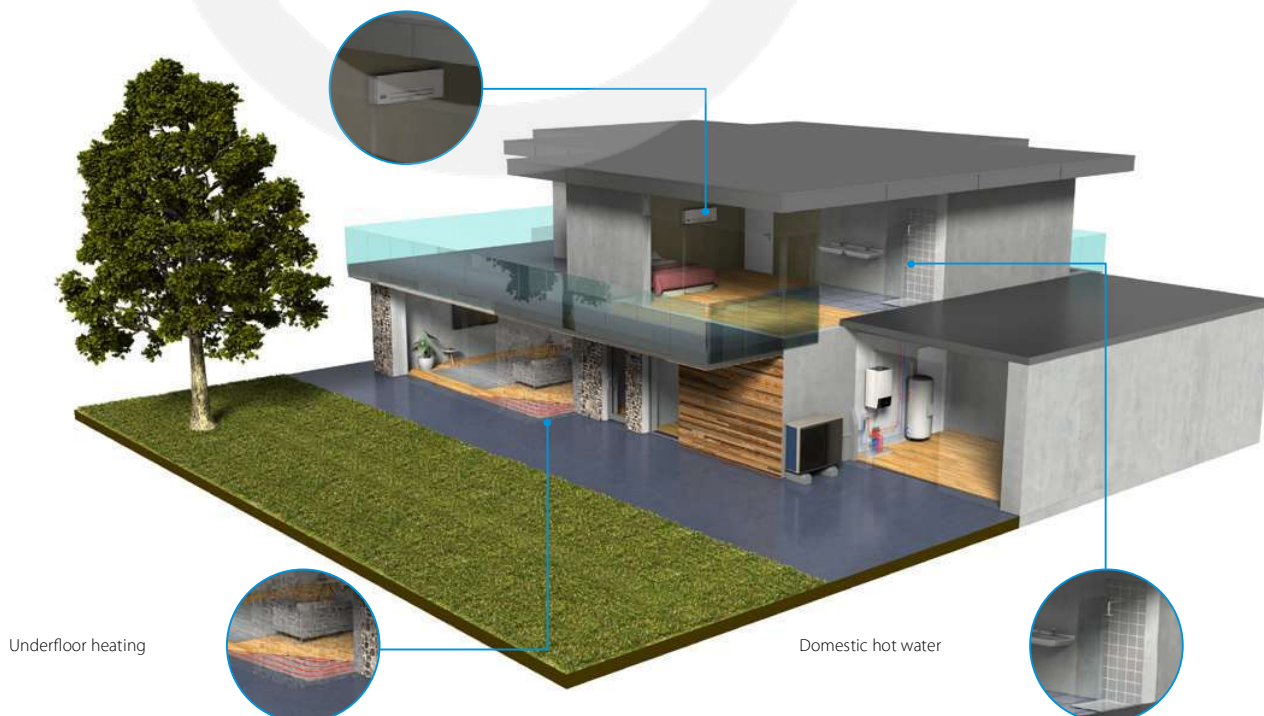
Wall mounted unit

This model is the most compact unit for heating and cooling with high flexibility for a quick and easy installation, with an optional connection to domestic hot water.



Wall mounted heating only air-to-water heat pump: EBBH units
Wall mounted reversible air-to-water heat pump: EBBX units

Heating and cooling

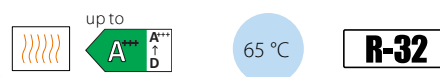
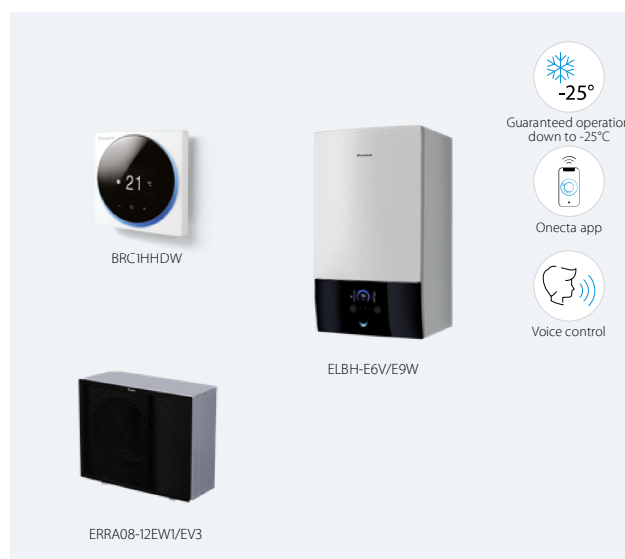


Daikin Altherma

3 R MT W

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

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0653
011-1W0655



ELBH-E6V






ELBH-E9W



ERRA08-12EW1



ERRA08-12EV3

Efficiency data				ELBH + ERRA	12E6V/9W + 08EW1	12E6V/9W + 08EV3	12E6V/9W + 10EW1	12E6V/9W + 10EV3	12E6V/9W + 12EW1	12E6V/9W + 12EV3	
 Space heating	Average climate water outlet 55 °C	General	SCOP	%	3.42	3.42	3.42	3.42	3.42	3.42	
			η _{sp} (Seasonal space heating efficiency)	%	134	130	134	131	138	135	
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class								
			SCOP	%	4.81	4.69	4.84	4.71	4.84	4.71	
			η _{sp} (Seasonal space heating efficiency)	%	190	184	191	186	191	186	
			Seasonal space heating eff. class								
Indoor Unit				ELBH	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W	
Casing	Colour	White + Black									
	Material	Resin, sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390							
Weight	Unit		kg	48.5							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25						
		Water side	Min.~Max.	°C	15 ~ 65						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 35						
		Water side	Min.~Max.	°C	25 ~ 62						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA	30						
Outdoor Unit				ERRA	08EW1	08EV3	10EW1	10EV3	12EW1	12EV3	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	107							
Compressor	Quantity	1									
	Type	Hermetically sealed swing compressor									
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25							
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35							
Refrigerant	Type	R-32									
	GWP	675									
	Charge		kg	3.25							
	Charge		TCO2Eq	2.19							
	Control	Expansion valve									
LW(A) Sound power level (according to EN14825)					56	54	56	54	56	54	
Sound pressure level Nom. (at 1 meter)					41.1	40.6	41.1	40.6	41.1	40.6	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	W1/3~/50/400	V3/1~/50/230	W1/3~/50/400	V3/1~/50/230	W1/3~/50/400	V3/1~/50/230	
Current	Recommended fuses			A	16	32	16	32	16	32	

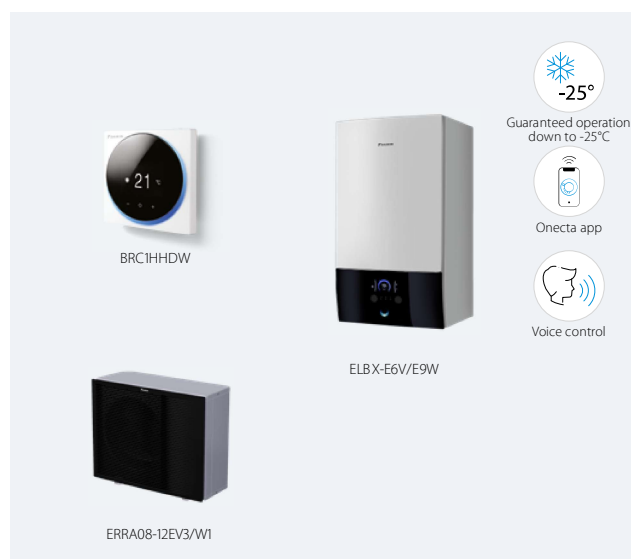
This product contains fluorinated greenhouse gases.

Daikin Altherma

3 R MT W

Wall mounted **reversible** air to water heat pump for heating and cooling

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH₂O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances



011-1W0651
011-1W0653
011-1W0655



ELBX-E6V



ELBX-E9W



ERRA08-12EW1



ERRA08-12EV3

Efficiency data				ELBX + ERRA	12E6V/9W + 08EW1	12E6V/9W + 08EV3	12E6V/9W + 10EW1	12E6V/9W + 10EV3	12E6V/9W + 12EW1	12E6V/9W + 12EV3	
<div>Space heating</div>	Average climate water outlet 55 °C	General	SCOP	%	3.47	3.37	3.48	3.38	3.58	3.47	
			ηs (Seasonal space heating efficiency)	%	136	132	136	132	140	136	
	Seasonal space heating eff. class				A						
	Average climate water outlet 35 °C	General	SCOP		4.95	4.79	4.98	4.82	4.98	4.82	
ηs (Seasonal space heating efficiency)			%	195	188	196	190	196	190		
Seasonal space heating eff. class				A							
Indoor Unit				ELBX	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W	
Casing	Colour	White + Black									
	Material	Resin, sheet metal									
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390							
Weight	Unit		kg	48.5							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25						
		Water side	Min.~Max.	°C	15 ~65						
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~35						
		Water side	Min.~Max.	°C	25 ~62						
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom.			dBA	30						
Outdoor Unit				ERRA	08EW1	08EV3	10EW1	10EV3	12EW1	12EV3	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	107							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25							
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.25							
	Charge		TCO2Eq	2.19							
	Control			Expansion valve							
LW(A) Sound power level (according to EN14825)					56	54	56	54	56	54	
Sound pressure level Nom. (at 1 meter)					41.1	40.6	41.1	40.6	41.1	40.6	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	W1/3~/50/400	V3/1~/50/230	W1/3~/50/400	V3/1~/50/230	W1/3~/50/400	V3/1~/50/230	
Current	Recommended fuses			A	16	32	16	32	16	32	

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