

Daikin Altherma 3 Product catalogue 2018



Setting the new heat pump standard





EHB(H/X)-D



BRP069A61/62



ERGA-D(A)

EHVH-D(-/G)

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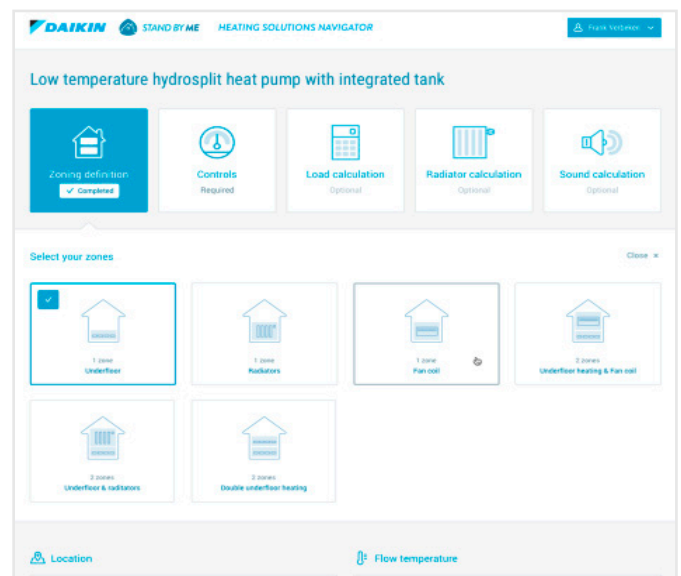
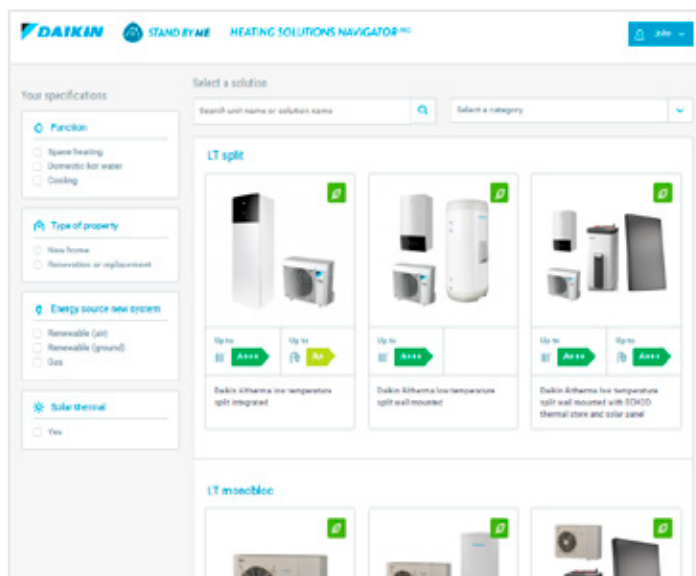
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Supporting tools

Heating Solutions Navigator

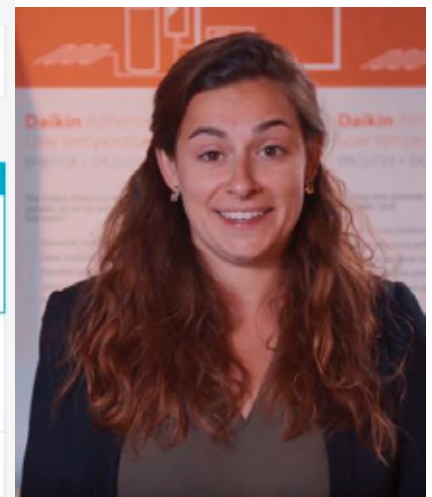
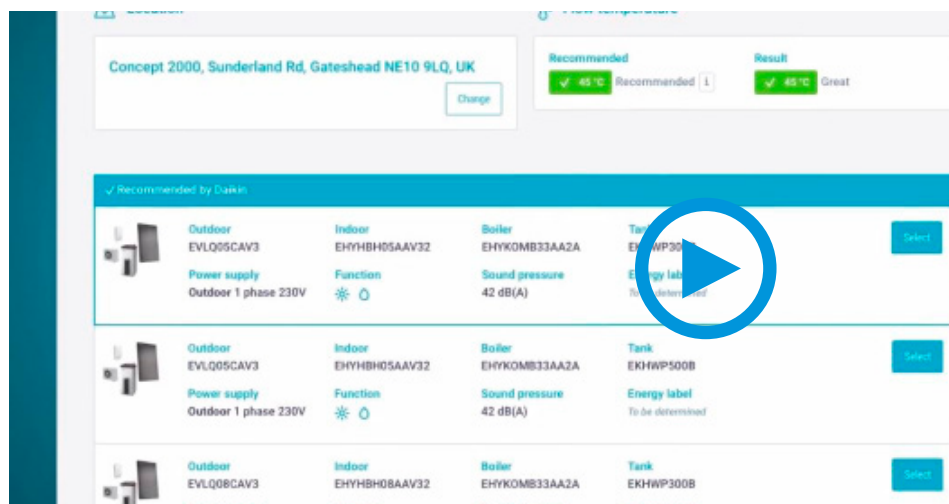
HSN provides the best fit solution for your customers home:

- › User-friendly interface showcases the wide array of Daikin Heating Solutions available
- › Estimation of the required heat load from a simple intuitive approach to a deeper detailed room-by-room calculation
- › Country specific elements are taken into account
- › Create custom made piping & wiring diagrams
- › Link to flue gas selection tool for gas based solutions
- › Set the configuration of your installation
- › Overview of all the options specifically for your installation
- › Quick link to the installation specific literature
- › Compare economic and ecological benefit of the Daikin solution against a conventional heating installation.
- › Storage of all your leads on you Stand By Me account
- › Easy conversion from lead to installation to invite your end user for extra after-sales services



Want to know more about our Heating Solutions Navigator?

- › Have a look at your video on [YouTube!](#)



Stand By Me, my climate of security



With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.



After-sales services

Stand By Me offers after-sales services such as warranty extensions and maintenance contracts:

- warranty extension on parts and/or labour
- starts on commissioning date



Quick follow-up by Daikin service partners

Daikin service partners are automatically linked with their customer after registration on www.standbyme.daikin.eu. A notification is sent when a customer purchases a maintenance contract.

Your customer is guaranteed:

- quick and reliable service
- complete installation logbook including registration documents, maintenance deadlines, repair reports etc.



Key account portal

The key account portal is the perfect solution for large accounts:

- keep track of all your installations
- project management
- remote metering (UK only)

› For more details about the Stand By Me services in your country, contact your local Daikin office.

Business portal

- › Learn more about Daikin's units on our extranet portal: my.daikin.eu
- › Receive information in a matter of seconds using our powerful search tool
- › Customise search options to only see information that is relevant for you
- › Accessible via a mobile device or computer

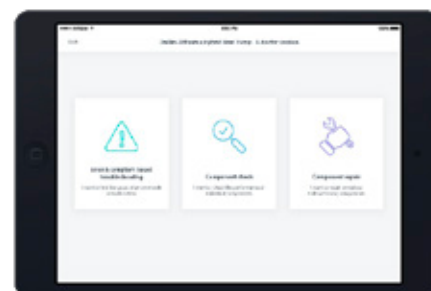
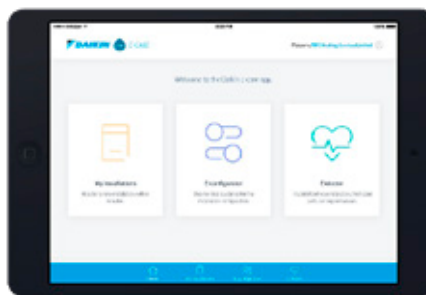


my.daikin.eu

E-care app NEW

All-in-one app for the dealer

- › Register your installation on Stand By Me via simple **QR code** scanning
- › Quick configuration of your heat pump in **only 7 steps**
- › Diagnosis of malfunction by QR code scanning and error code input



Daikin Altherma 3 R-32 powered by Bluevolution



Why choose Daikin Altherma 3?

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R32.



High performance

- › Delivering temperatures up to 65°C at high efficiency, the R32 Daikin Altherma 3 is suitable for both underfloor heating and radiators and retains its pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates.
- › The optimal combination of 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 work: all key hydraulic elements are already factory mounted
- › The new design enables that all servicing can be done from the front and all piping can be accessed at the top of the unit
- › Stylish modern outlook
- › The outdoor unit is tested and charged with refrigerant, installation time is reduced

Easy commissioning :

- › Integrated high resolution colour interface
- › Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to work
- › Next to that the 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 compressors maximises the efficiency of the new R32 Daikin Altherma 3 at each outdoor temperature, assuring consistent room temperatures at all times.
- › To control on a daily basis your home temperature, settings can be done anywhere at any time via the Daikin Online Controller app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R32 Daikin Altherma 3 range can also be fully integrated with other home control systems



Control via app

Daikin Altherma 3

offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies** providing the highest savings on running costs
- Perfect fit for **new builds**, as well as for low energy houses
- A leaving water temperature up to 65°C makes it also **a perfect choice for refurbishments**



To cover all applications, the Daikin Altherma 3 is available in 2 different indoor units :



Floor standing unit with integrated domestic hot water tank

Compact and yet 100 % comfort guaranteed

- › All components and connections are factory mounted
- › Very small 600 x 600 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 silvergrey



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

Floor standing unit with integrated domestic hot water tank

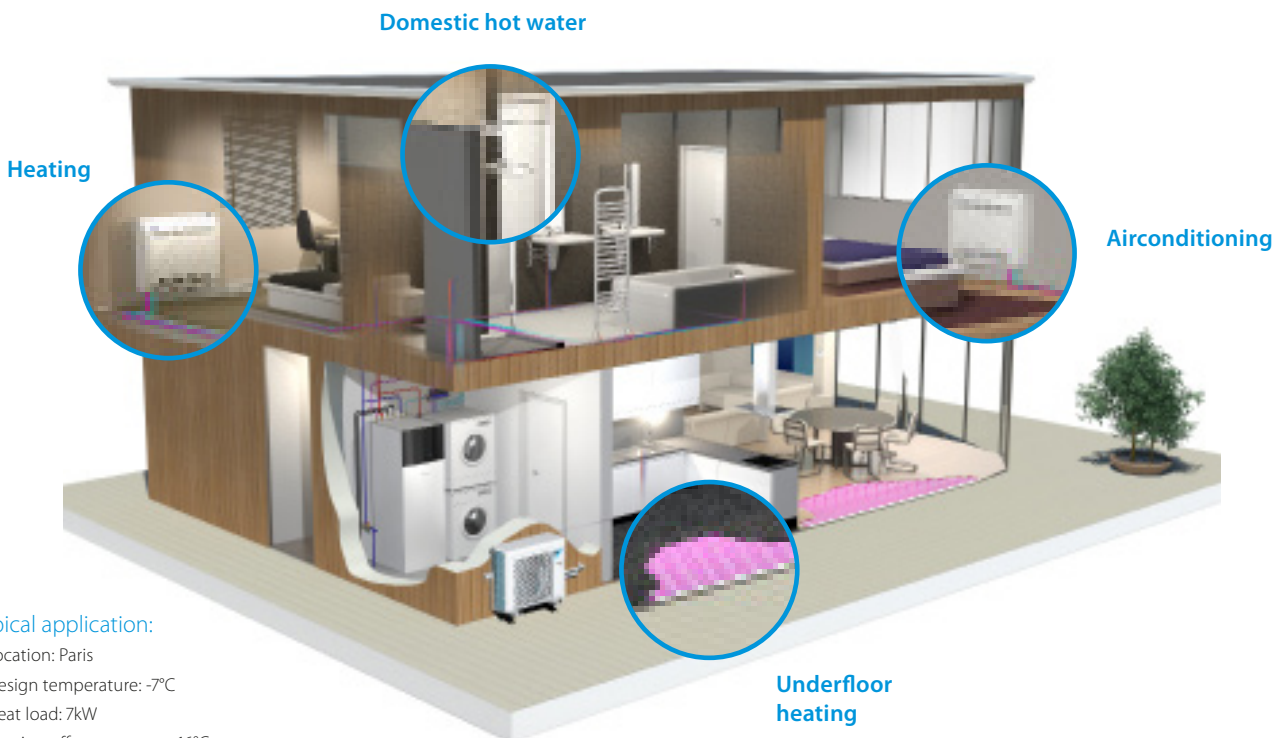


Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems.
- › Inclusion of all hydraulic components means no third party components are required.
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 600 x 600 mm
- › Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available
- › Dedicated bi-zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



Typical application:

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

All-in one design

Reduces the installation footprint and height

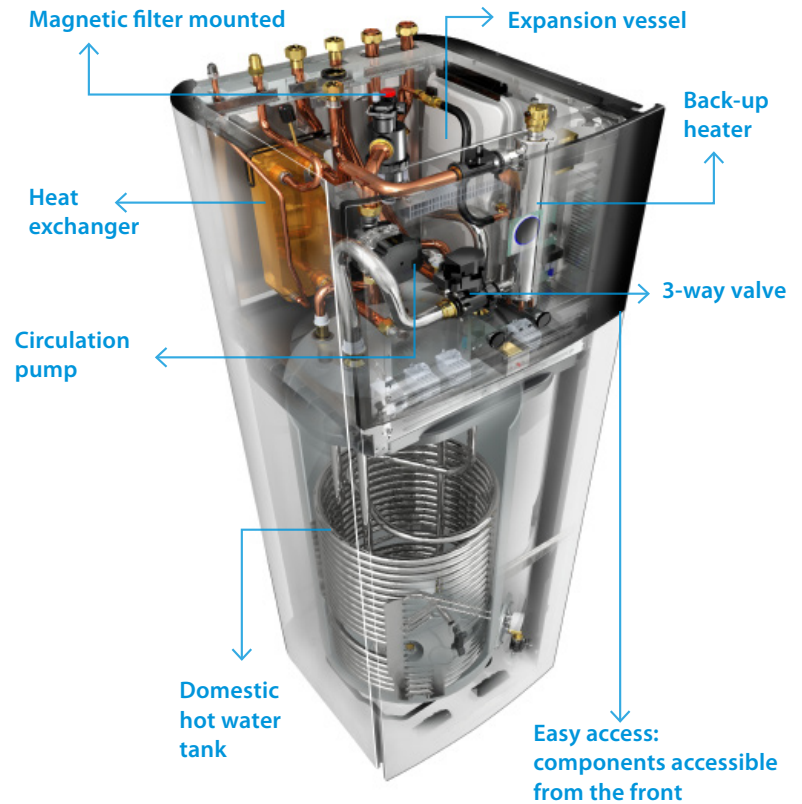
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 600 x 600 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

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



Advanced MMI



The Daikin Eye

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

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

Quick to configure

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

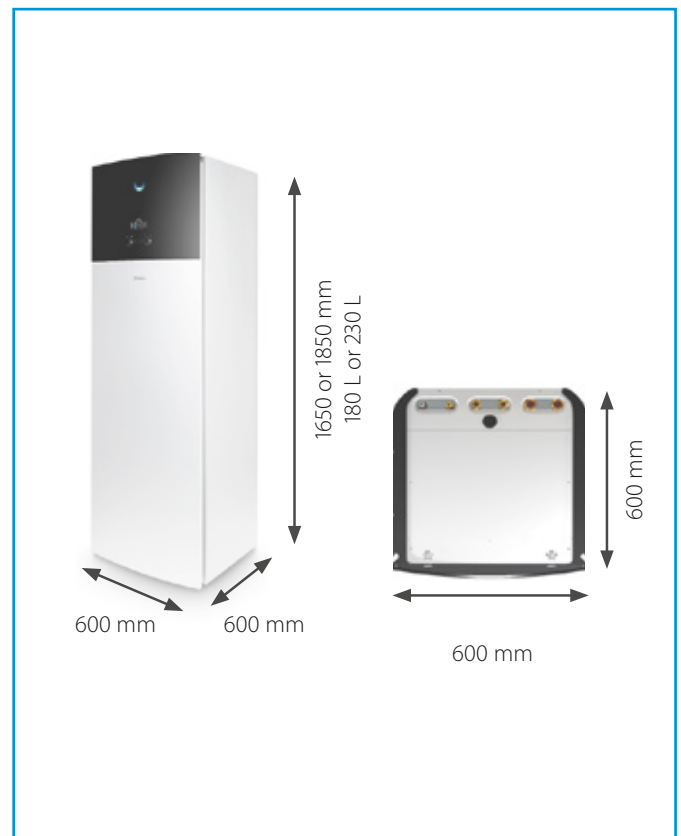
Easy operation

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

Beautiful design

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

Integrated indoor unit



Daikin Altherma 3 low temperature split integrated floor standing unit

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
- > 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 600x600mm
- > Integrated back-up heater choice of 6 or 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25°C



A+++ (3) **65°C** **R-32**

Efficiency data		EHVH + ERGA		04S18D6V(G)+04DV	04S23D6V(G)+04DV	08S18D6V(G)/D9W(G)+06DV	08S23D6V(G)/D9W(G)+06DV	08S18D6V(G)/D9W(G)+08DV	08S23D6V(G)/D9W(G)+08DV	
Heating capacity	Nom.	kW		4.30 (1) / 4.20 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.50 (2)		
Power input	Heating	Nom.		kW		1.24 (1) / 1.69 (2)		1.63 (1) / 2.14 (2)		
COP				5.10 (1) / 3.62 (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+++ (3)							
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
		Average climate		ηwh (water heating efficiency)	127	134	127	134	127	134
		Water heating energy efficiency class		A+						

Indoor Unit		EHVH		04S18D6V(G)	04S23D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour	White + Black							
	Material	Resin / Sheet metal							
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625
Weight	Unit	kg		131	139	131	139	131	139
Tank	Water volume		l	180	230	180	230	180	230
	Maximum water temperature		°C	60					
	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	60				
Sound power level	Nom.	dBA		42					
Sound pressure level	Nom.	dBA		28					

Outdoor Unit		ERGA		04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm		
Weight	Unit	kg		740x884x388		
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			
	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) (3)According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature split integrated floor standing unit

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
- > 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 600x600mm
- > Integrated back-up heater choice of 3, 6, 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25°C



A+++ **65°C** **R-32**
(3)

Efficiency data				EHVX + ERGA	04S18D3V(G)/D6V(G) + 04DV	04S23D3V(G)/D6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW		4.30 (1) / 4.20 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.50 (2)	
Power input	Heating	Nom.		kW		0,850 (1) / 1.16 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.14 (2)	
Cooling capacity	Nom.			kW		5.56 (1) / 4.37 (2)	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW		0,940 (1) / 1.14 (2)	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP						5.10 (1) / 3.62 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER						5.94 (1) / 3.84 (2)	5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (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+++ (3)		
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	XL
	Average climate	ηwh (water heating efficiency)		127	134	127	134	127	134	134
		Water heating energy efficiency class								A+

Indoor Unit				EHVX	04S18D3V(G)/D6V(G)	04S23D3V(G)/D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour			White + Black						
	Material			Resin / Sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,850x595x625
Weight	Unit			131	139	131	139	131	139	139
Tank	Water volume			180	230	180	230	180	230	230
	Maximum water temperature			60						
	Maximum water pressure			10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.			60				
		Water side	Min.~Max.			5~30				
	Cooling	Ambient	Min.~Max.			15~65				
		Water side	Min.~Max.			5~35				
	Domestic hot water	Ambient	Min.~Max.			5~22				
		Water side	Min.~Max.			5~35				
Sound power level	Nom.					60				
Sound pressure level	Nom.					42				
						28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit			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			1.50			
Sound power level	Heating	Nom.	dB(A)	60		62	
	Cooling	Nom.	dB(A)	60		62	
Sound pressure level	Heating	Nom.	dB(A)	44		49	
	Cooling	Nom.	dB(A)	48		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) (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature split integrated bi-zone

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 600x600mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25°C



A+++ **65°C** **R-32**
(3)

Efficiency data				EHVZ + ERGA		04S18D6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW		4.30 (1) / 4.20 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.50 (2)	
Power input	Heating	Nom.		kW		0.850 (1) / 1.16 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.14 (2)	
COP						5.10 (1) / 3.62 (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 _s (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
η _s (Seasonal space heating efficiency)			176						179	
Seasonal space heating eff. class									A+++ (3)	
Domestic hot water heating	General	Declared load profile				L	XL		L	XL
	Average climate	η _{wh} (water heating efficiency)				127	134		127	134
	Water heating energy efficiency class									A+
Indoor Unit				EHVZ	04S18D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	
Casing	Colour			White + Black						
	Material			Resin / Sheet metal						
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	136	144	136	144		
Tank	Water volume			l	180	230	180	230		
	Maximum water temperature			°C	60					
	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	60					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					
Outdoor Unit				ERGA	04DV	06DV	08DV			
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					
	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) (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature split integrated floor standing unit without backup heater

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
- > 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 600x600mm
- > Outdoor unit extracts heat from the outdoor air, even at -25°C



A+++ **65°C** **R-32**
(3)

Efficiency data				EHVH + ERGA	04S23DV(G) + 04DV	08S23DV(G) + 06DV	08S23DV(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.20 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.50 (2)
Power input	Heating	Nom.			kW	0.850 (1) / 1.16 (2)	1.63 (1) / 2.14 (2)
COP					5.10 (1) / 3.62 (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	
		ηs (Seasonal space heating efficiency)	176		179		
		Seasonal space heating eff. class			A+++ (3)		
Domestic hot water heating	General	Declared load profile				XL	
	Average climate	ηwh (water heating efficiency)	%			134	
		Water heating energy efficiency class				A+	

Indoor Unit				EHVH	04S23DV(G)	08S23DV(G)	08S23DV(G)
Casing	Colour			White + Black			
	Material			Resin / Sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x595x625			
Weight	Unit			kg			
Tank	Water volume			l			
	Maximum water temperature			°C			
	Maximum water pressure			bar			
	Corrosion protection			Pickling			
Operation range	Heating	Ambient	Min.~Max.	°C		5~30	
		Water side	Min.~Max.	°C		10~70	
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35	
		Water side	Max.	°C		70	
Sound power level	Nom.			dB(A)			
Sound pressure level	Nom.			dB(A)			

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

(1)Condition 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)Condition 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)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Options

Type		Material name	Daikin Altherma 3 LT split Wall mounted	Daikin Altherma 3 LT split Floor standing
Controls	Remote user interface	EKRUDAS	•	•
	LAN Adapter + PV Solar connection	BRP069A61	•	•
	LAN only	BRP069A62	•	•
	Room thermostat (wired)	EKRTWA	•	•
	Room thermostat (wireless)	EKRTR1	•	•
	External sensor	EKRTETS	•	•
Adapter	Demand PCB	EKRP1AHTA	•	•
	Digital I/O PCB	EKRP1HBAA	•	•
Back-up heater	Back-up heater kit	EKLBHUHC6W1		• only for EHVH-DV(G)
Installation	Bi-zone kit (watts kit)	BZKA7V3	•	• (excluding EHVZ)
	Remote indoor sensor	KRCS01-1	•	•
Sensors	Remote outdoor sensor	EKRSCA-1	•	•
	PC USB Cable	EKPCAB3	•	•





Wall mounted unit

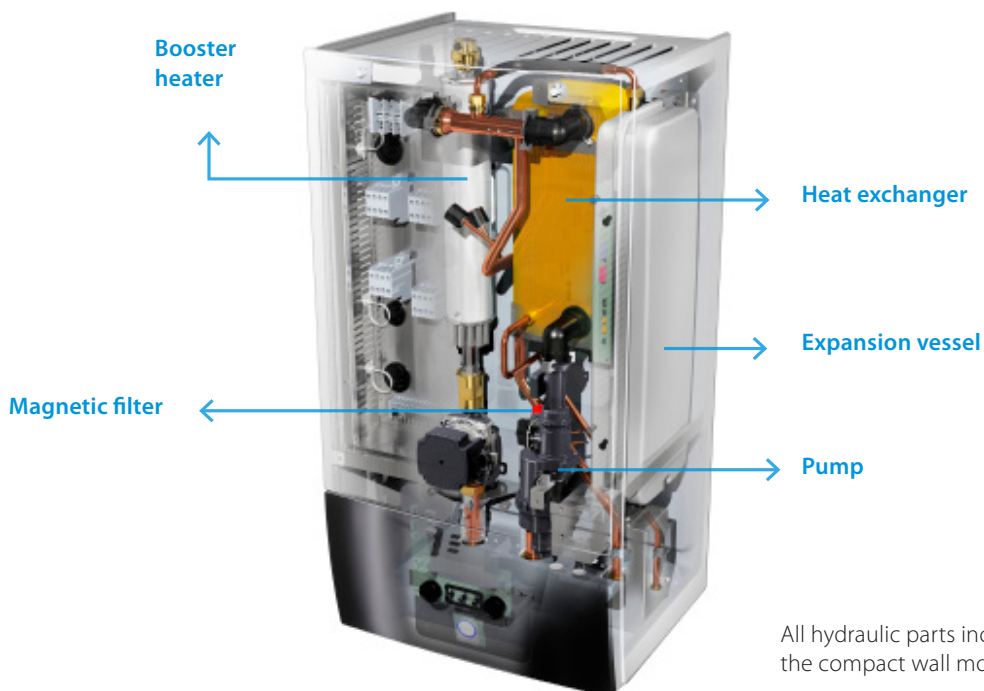


Why choose Daikin wall mounted unit?

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

High flexibility for installation and domestic hot water connection

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



All hydraulic parts included in the compact wall mounted unit

Flexibility in providing domestic hot water

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

ECH₂O thermal store range: additional hot water comfort

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

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



How does it work?

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

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



Daikin Altherma 3 low temperature split wall mounted unit

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



A+++ (3) **65°C** **R-32**

Efficiency data		EHBH + ERGA		04D6V + 04DV		08D6V + 06DV		08D9W + 06DV		08D6V + 08DV		08D9W + 08DV			
Heating capacity	Nom.	kW		4.30 (1) / 4.20 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.50 (2)		7.50 (1) / 7.50 (2)					
Power input	Heating	kW		0.85 (1) / 1.16 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.14 (2)		1.63 (1) / 2.14 (2)					
COP				5.10 (1) / 3.62 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)					
Space heating	Average climate water outlet 55°C	General	SCOP	3.26		3.32				3.32					
			η_s (Seasonal space heating efficiency) %	127		130				130					
	Seasonal space heating eff. class			A++											
	Average climate water outlet 35°C	General	SCOP	4.48		4.47				4.56					
η_s (Seasonal space heating efficiency) %			176		179				179						
Seasonal space heating eff. class			A+++ (3)												
Indoor Unit				EHBH		04D6V		08D6V		08D9W		08D6V		08D9W	
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				15 ~65					
	Domestic hot water	Water side	Min.~Max.	°C		25~80				25~80					
Sound power level	Nom.	dBA		42				28							
Sound pressure level	Nom.	dBA		28											
Outdoor Unit				ERGA		04DV		06DV		08DV					
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											
	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) (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature split wall mounted unit

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



Efficiency data				EHBX + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.		kW	4.30 (1) / 4.20 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.50 (2)	
Power input	Heating	Nom.	kW	0.850 (1) / 1.16 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.14 (2)	
Cooling capacity	Nom.		kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP				5.10 (1) / 3.62 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER				5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP	-		3.26		3.32	
			η_s (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	
		η_s (Seasonal space heating efficiency) %		176		179			
		Seasonal space heating eff. class	A+++ (3)						
Indoor Unit				EHBX	04D6V	08D6V	08D9W	08D6V	08D9W
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					
	Domestic hot water	Water side	Min.~Max.	°C					
Sound power level	Nom.		dB(A)	42					
Sound pressure level	Nom.		dB(A)	28					
Outdoor Unit				ERGA	04DV	06DV	08DV		
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388					
Weight	Unit		kg	58.5					
Compressor	Quantity	1							
	Type	Hermetically sealed swing compressor							
Operation range	Cooling		Min.~Max.	°CDB					
	Domestic hot water		Min.~Max.	°CDB					
Refrigerant	Type	R-32							
	GWP	675.0							
	Charge		kg	1.50					
	Control	Expansion valve							
Sound power level	Heating	Nom.	dB(A)	58		60			62
	Cooling	Nom.	dB(A)	61			62		
Sound pressure level	Heating	Nom.	dB(A)	44		47			49
	Cooling	Nom.	dB(A)	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) (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Options

Type		Material name	Daikin Altherma 3 LT split Wall mounted	Daikin Altherma 3 LT split Floor standing
Controls	Remote user interface	EKRUDAS	•	•
	LAN Adapter + PV Solar connection	BRP069A61	•	•
	LAN only	BRP069A62	•	•
	Room thermostat (wired)	EKRTRWA	•	•
	Room thermostat (wireless)	EKRTR1	•	•
Adapter	External sensor	EKRTEFS	•	•
	Demand PCB	EKR1AHTA	•	•
Back-up heater	Digital I/O PCB	EKR1HBAA	•	•
	Back-up heater kit	EKLBUHCB6W1		• only for EHVH-DV(G)
Installation	Bi-zone kit (watts kit)	BZKA7V3	•	• (excluding EHVZ)
Sensors	Remote indoor sensor	KRCS01-1	•	•
	Remote outdoor sensor	EKRSCA-1	•	•
Others	PC USB Cable	EKPCCAB3	•	•





Thermal stores and tank

Hot water heating installation options

Why choose a thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank



Domestic hot water tank

Stainless steel tanks

Comfort

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

Efficiency

- › High-quality insulation keeps heat loss to a minimum
- › Efficient temperature heating: from 10°C to 50°C in only 60 minutes
- › Available as an integrated solution or separate tank

Reliability

- › At necessary intervals, the unit can heat up water up to 60°C to prevent the risk of bacteria growth



The ECH₂O thermal store range

ECH₂O thermal store: additional hot water comfort

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

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

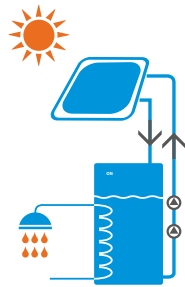
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

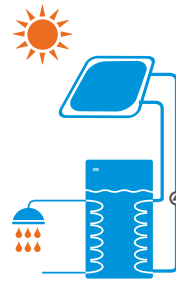
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

Reliability

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



Drain-back solar system



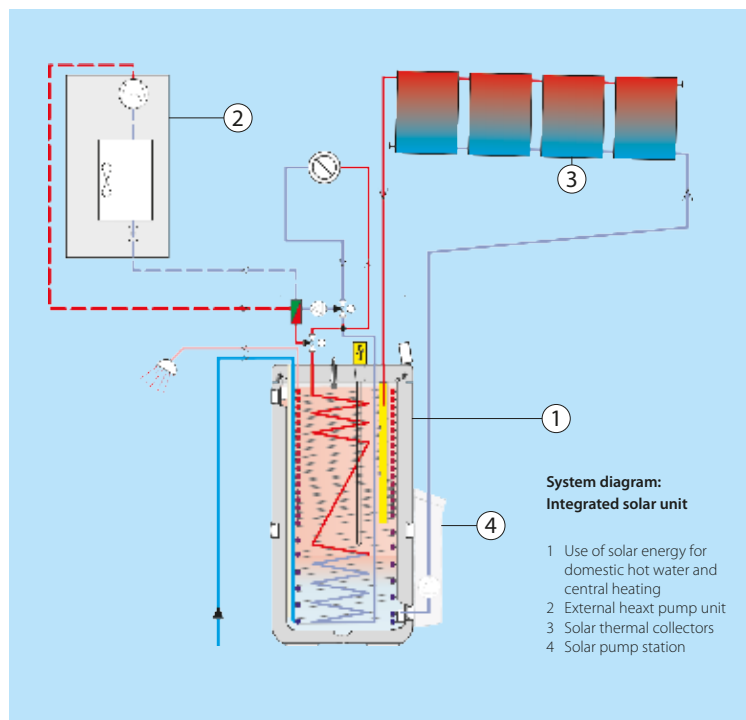
Pressurised solar system

Pressureless (drain-back) solar system

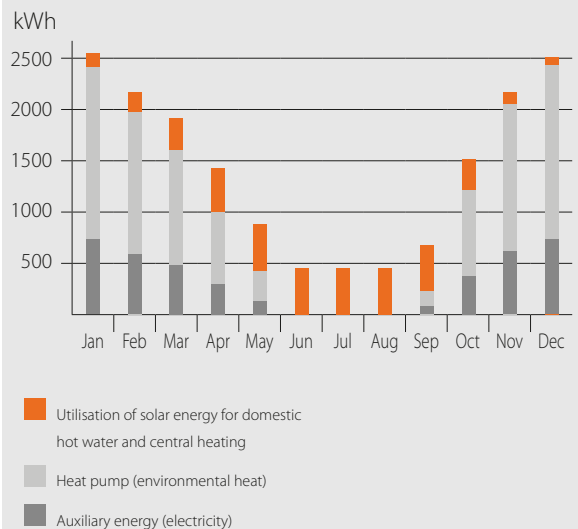
- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system

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



Monthly energy consumption of an average detached house




Thermal store

Plastic domestic hot water tank with solar support

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



Accessory		EKHWP	300B	500B	300PB	500PB	
Casing	Colour		Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material		Impact resistant polypropylene				
Dimensions	Unit	Width	mm	595	790	595	790
		Depth	mm	615	790	615	790
Weight	Unit	Empty	kg	58	82	58	89
	Tank	Water volume	l	294	477	294	477
	Material		Polypropylen				
	Maximum water temperature		°C	85			
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7
	Energy efficiency class			B			
	Standing heat loss		W	64	72	64	72
	Storage volume		l	294	477	294	477
	Heat exchanger	Domestic hot water	Quantity		1		
Tube material				Stainless steel (DIN 1.4404)			
Face area			m ²	5.600	5.800	5.600	5.900
Internal coil volume			l	27.1	28.1	27.1	28.1
Operating pressure			bar	6			
Average specific thermal output			W/K	2,790	2,825	2,790	2,825
Charging		Quantity		1			
		Tube material		Stainless steel (DIN 1.4404)			
		Face area	m ²	3	4	3	4
		Internal coil volume	l	13	18	13	18
		Average specific thermal output	W/K	1,300	1,800	1,300	1,800
Pressurised solar		Average specific thermal output	W/K	-	-	390.00	840.00
Auxiliary solar heating		Tube material		-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)
		Face area	m ²	-	1	-	1
		Internal coil volume	l	-	4	-	4
	Operating pressure	bar	-	3	-	3	
	Average specific thermal output	W/K	-	280	-	280	


Domestic hot water tank

Stainless steel domestic hot water tank

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



EKHWS(U)-D

Accessory		EKHWS	150(U)D3V3	180(U)D3V3	200(U)D3V3	250(U)D3V3	300(U)D3V3
Casing	Colour		Neutral white				
	Material		Epoxy coated steel / Epoxy-coated mild steel				
Weight	Unit	kg	45	50	53	58	63
	Empty						
Tank	Water volume	l	145	174	192	242	292
	Material		Stainless steel (EN 1.4521)				
	Maximum water temperature	°C	75				
	Insulation Heat loss	kWh/24h	1.1	1.2	1.3	1.4	1.6
	Energy efficiency class		B				
	Standing heat loss	W	45	50	55	60	68
	Storage volume	l	145	174	192	242	292
	Heat exchanger	Domestic hot water	Quantity	1			
Tube material			Stainless steel (EN 1.4521)				
Face area		m ²	1.050	1.400	1.800		
Internal coil volume		l	4.9	6.5	8.2		
Operating pressure		bar	10				
Booster heater	Capacity	kW	3				
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230				

Always in control

Daikin Online Controller

The Daikin Online Controller application can control and monitor the status of your heating system and allows you to:

Monitor

- › The status of your heating system
- › Your energy consumption graphs*

Schedule

- › Schedule the set temperature* and operation mode with up to **6 actions per day for 7 days**
- › Enable **holiday mode**
- › View in intuitive mode

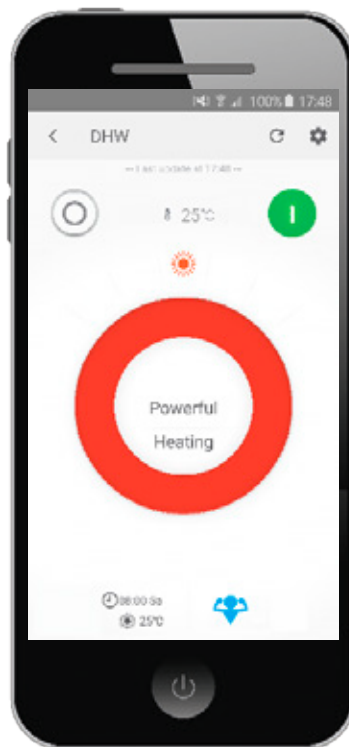
Control **

- › The **operation mode** and set temperature
- › Remotely control your system and domestic hot water

*Starting with ERGA-D

**Control via the app

- › Room thermostat control for space heating and domestic hot water
- › Leaving water temperature control for domestic hot water
- › External control for domestic hot water



Daikin Online Heating Control

The Daikin Online Control Heating app is a multifaceted programme that allows customers to control and monitor the status of their heating system.

Main features

- › 'Daikin Eye' (intuitive setting)
- › Tank temperature monitoring
- › Equipped with GDPR (data protection)
- › Remote firmware update of LAN Adapter
- › Control over multiple unit locations

Applicable Daikin units

- › Daikin Altherma low temperature split
- › Daikin Altherma low temperature monobloc (5-7 kW)
- › Daikin Altherma ground source heat pump
- › Daikin Altherma hybrid heat pump
- › Wall mounted gas condensing boiler D2CND
- › GCU compact

		Thermostat	APP	BRP069A61 BRP069A62	KRCS01-1	EKRUDAS	EKRTR
Daikin Altherma 3	Room temperature	Yes	Yes	•		•	
		No	Yes	•	•		
	External control	Yes	No				•
	Leaving water temperature	Yes	No			•	

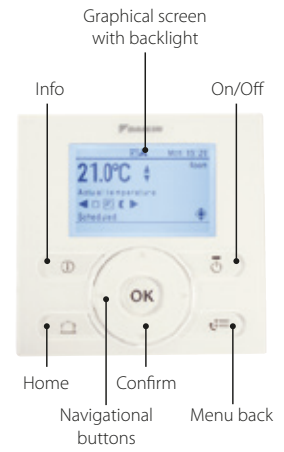
EKRUDAS

Control

- › Manage room and domestic hot water temperature
- › User-friendly remote control with contemporary design
- › Easy to use with direct accessibility to all main functions

Comfort

- › An additional user interface can include a room thermostat in the space to be heated
- › Easy commissioning via an intuitive interface



Indoor unit		EKRUDAS
Control systems	Class of temperature control	VI
	Contribution to seasonal space heating efficiency	4.0

EKRTR/EKRTW

Control

The LCD screen of the room thermostat presents the necessary information regarding the setting of the Daikin Altherma system.

Comfort

An external sensor (EKRTETS) can be placed between the underfloor heating and the floor, as an alternative to the wireless room thermostat.



General features

- › Set the temperature of the room based on measurements from the built-in or external sensor
- › Off function (with integrated frost-protection function)
- › Holiday function mode
- › Comfort and reduced function modes
- › Time (day and month)
- › Programmable weekly timer with 2 user defined and 5 preset programmes, with up to 12 actions per day
- › Keylock function
- › Set limits: the installer can change the upper and lower limits
- › Floor temperature protection

Applicable Daikin units

- › Combinable to all Daikin units

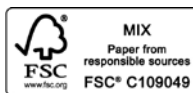
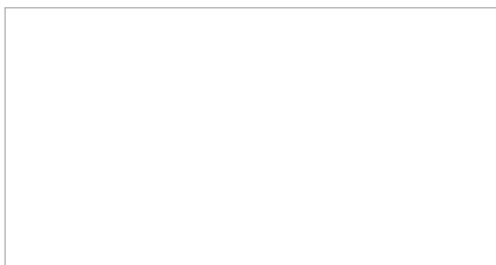
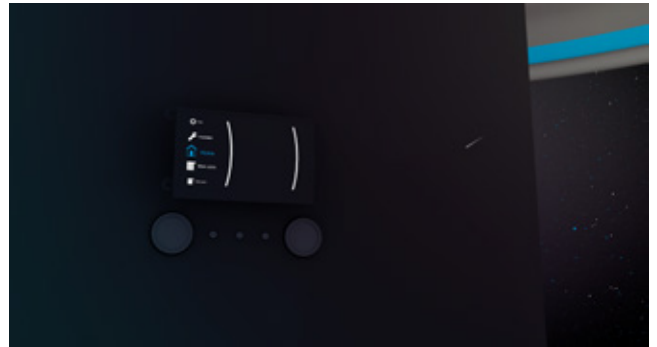
				EKRTR	EKRTWA
Dimensions	Unit	HeightxWidthxDepth	mm	-x-x-	87x125x34
	Thermostat	Height/Width/Depth	mm	87/125/34	-/-/-
	Receiver	Height/Width/Depth	mm	170/50/28	-/-/-
Weight	Unit		g	-	215
	Thermostat		g	210	-
	Receiver		g	125	-
Ambient temperature	Storage	Min./Max.	°C		-20/60
	Operation	Min./Max.	°C		0/50
Temperature setting range	Heating	Min./Max.	°C		4/37
	Cooling	Min./Max.	°C		4/37
Clock					Yes
Regulation function					Proportional band
Power supply	Voltage		V	-	Battery powered 3* AA-LR6 (alkaline)
	Thermostat	Voltage	V	Battery powered 3x AA-LRG (alkaline)	-
	Receiver	Voltage	V	230	-
	Frequency		Hz	50	-
	Phase			1~	-
Connection	Type			-	Wired
	Thermostat			Wireless	-
	Receiver			Wired	-
Maximum distance to receiver	Indoor		m	approx. 30m	-
	Outdoor		m	approx. 100m	-
Control systems	Class of temperature control				IV
	Contribution to seasonal space heating efficiency		%		2.0



Combination table

			Wall mounted		Floor standing
					EHVH04S23DAV(G)
					EHVH04S18DA6V(G)
					EHVH04S23DA6V(G)
				EHBH08DA6V	EHVX04S18DA3V(G)
				EHBH08DA9W	EHVX04S18DA6V(G)
			EHBH04DA6V	EHBX08DA6V	EHVX04S23DA3V(G)
Type	Description	Material name	EHBX04DA6V	EHBX08DA9W	EHVX04S23DA6V(G)
Outdoor unit		ERGA04DAV3	●		●
		ERGA06DAV3		●	
		ERGA08DAV3		●	
Options	Digital PCB	EKRP1HBAA	●	●	●
	Demand PCB	EKRP1AHTA	●	●	●
	User interface	EKRUDAS	●	●	●
	LAN Adapter	BRP069A61	●	●	●
		BRP069A62	●	●	●
	Remote indoor sensor	KRCS01-1	●	●	●
	Remote outdoor sensor	EKRSCA1	●	●	●
	PC USB Cable	EKPCCAB3	●	●	●
Back-up heater kit	EKLBUHCB6W1			● only for EHVH-DV(G)	
Heat pump convector		FWXV15AVEB	●	●	●
		FWXV20AVEB	●	●	●
Thermal stores	Polypropylene (with drainback solar)	EKHWP300B	●	●	
		EKHWP500B	●	●	
	Polypropylene (with pressurised solar)	EKHWP300PB	●	●	
		EKHWP500PB	●	●	
Bi-zone kit	Watts kit	BZKA7V3	●	●	●
Room thermostat	Wired	EKRTWA	●	●	●
	Wireless	EKRTR1	●	●	●
	External sensor	EKRTETS	●	●	●
Stainless steel tank		EKHWS(U)-D	●	●	

integrated tank	Floor standing integrated bi-zone		Solar kit	Outdoor drain pan kit	Mouting feet	Heater tape for drain pan	Valve kit
EHVH08S23DAV(G)							
EHVH08S18DA6V(G)							
EHVH08S23DA6V(G)							
EHVH08S18DA9W(G)							
EHVH08S23DA9W(G)							
EHVX08S18DA6V(G)		EHVZ08S18DA6V(G)					
EHVX08S23DA6V(G)		EHVZ08S23DA6V(G)					
EHVX08S18DA9W(G)		EHVZ08S18DA9W(G)					
EHVX08S23DA9W(G)	EHVZ04S18DA6V(G)	EHVZ08S23DA9W(G)	EKS RPS4A	EKDP008D	EKFT008D	EKDPH008CA	EKVKHPC
	●			●	●	●	
●		●		●	●	●	
●		●		●	●	●	
●	●	●					
●	●	●					
●	●	●					
●	●	●					
●	●	●					
●	●	●					
● only for EHVH-DV(G)							
●	●	●					●
●	●	●					●
			●				
			●				
			●				
			●				
●							
●	●	●					
●	●	●					
●	●	●					



ECPEN17-529

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Printed on non-chlorinated paper. Prepared by La Movida