



# 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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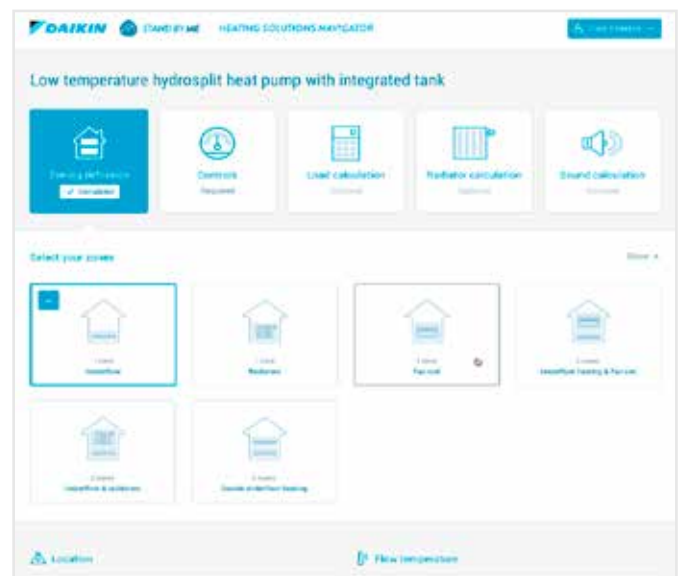
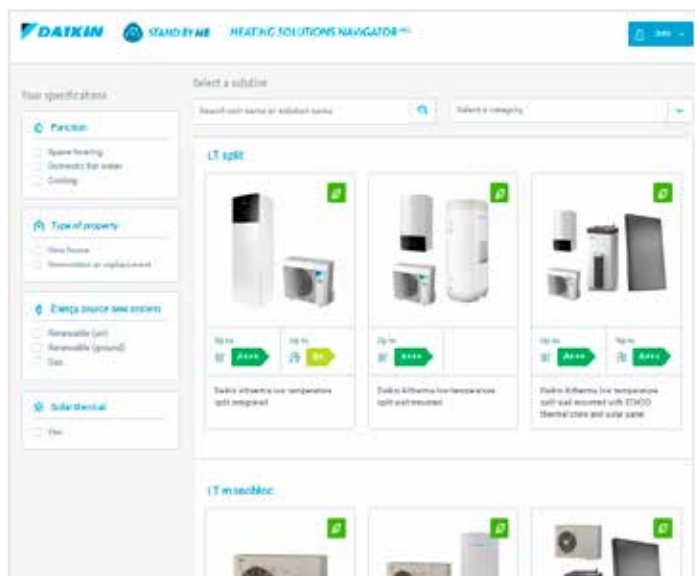
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# Supporting tools

## Heating Solutions Navigator

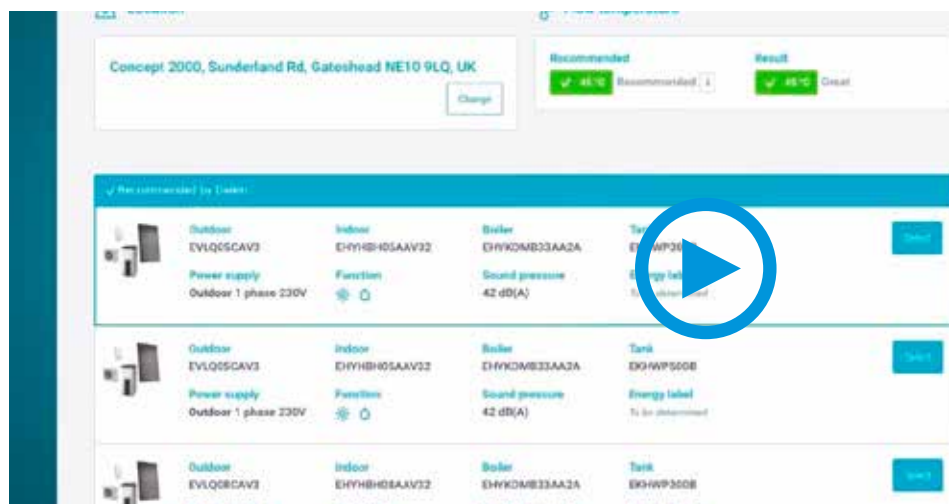
HSN provides the best fit solution for your customers home:

- › 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](http://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](http://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](http://my.daikin.eu)

## E-care app <sup>NEW</sup>

### 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

powered by Bluevolution with R-32 refrigerant



## 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

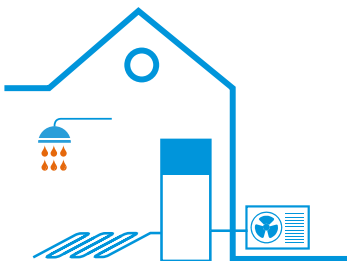
## Daikin Altherma 3

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 R32 Daikin Altherma 3 is available in 3 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 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



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

### Integrated solar unit and domestic hot water tank

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



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



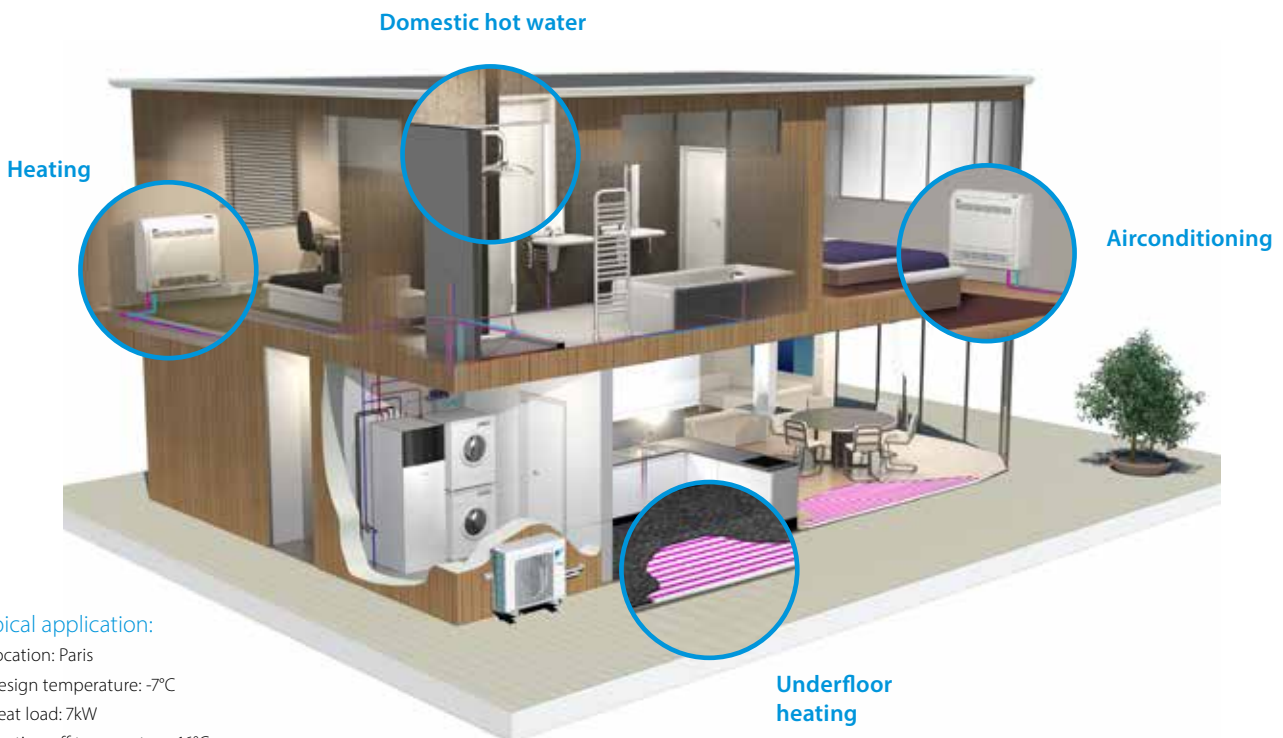
# Daikin Altherma 3 floor standing unit with integrated domestic hot water tank

## 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

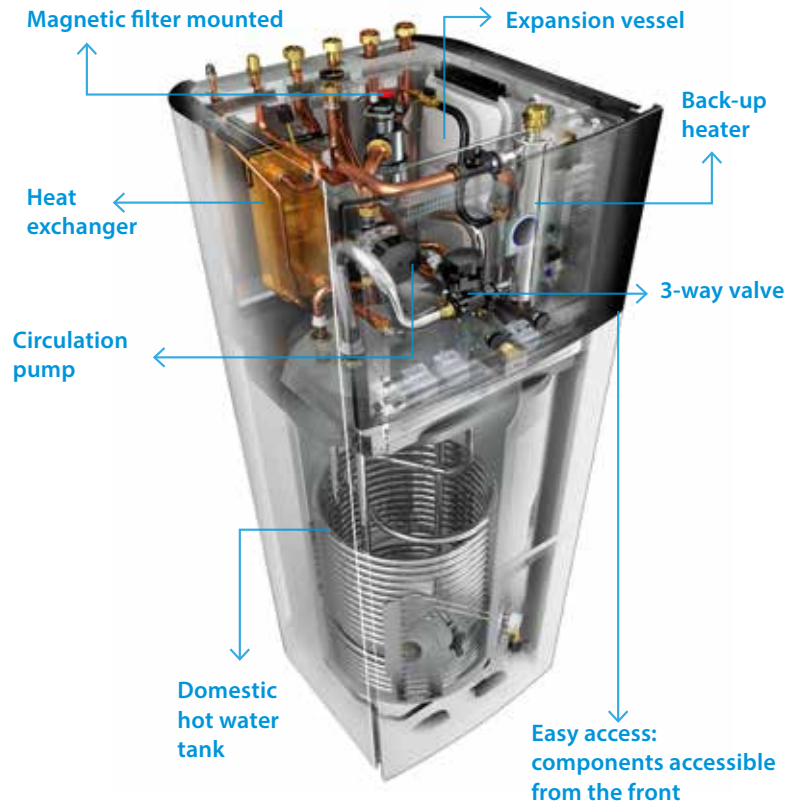
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

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 user interface



### The Daikin Eye

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

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

### Quick to configure

Log in and you'll be able to completely configure the unit 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.

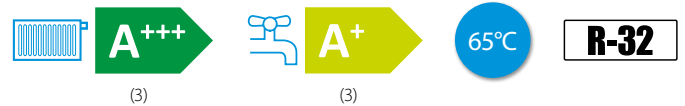
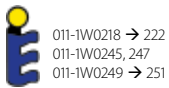
## Integrated indoor unit



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



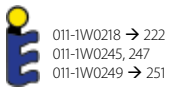
Efficiency data		EHVH + ERGA		04S18D6V(G)+04DV	04S23D6V(G)+04DV	08S18D6V(G)/D9W(G)+06DV	08S23D6V(G)/D9W(G)+06DV	08S18D6V(G)/D9W(G)+08DV	08S23D6V(G)/D9W(G)+08DV	
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.		kW		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Space heating	Average climate water outlet 55°C	General	SCOP			3.26		3.32		
			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 climate	Declared load profile		L	XL	L	XL	L	XL	
		ηwh (water heating efficiency)		%		125		133		
		Water heating energy efficiency class			A+ (3)					
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				
Weight	Unit	kg		131		139		131		
Tank	Water volume		l		180		230		180	
	Maximum water temperature		°C		70		70		70	
	Maximum water pressure		bar		10		10		10	
	Corrosion protection				Pickling		Pickling		Pickling	
Operation range	Heating	Ambient	Min.~Max.	°C		5~30		5~30		
		Water side	Min.~Max.	°C		15~65		15~65		
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35		5~35		
		Water side	Max.	°C		70		70		
Sound power level	Nom.	dBA		42		42		42		
Sound pressure level	Nom.	dBA		28		28		28		
Outdoor Unit		ERGA		04DV	06DV		08DV			
Dimensions	Unit	HeightxWidthxDepth		mm		740x884x388				
Weight	Unit	kg		58.5		58.5		58.5		
Compressor	Quantity				1		1		1	
	Type				Hermetically sealed swing compressor		Hermetically sealed swing compressor		Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB		10~43		10~43		10~43	
	Domestic hot water	Min.~Max.	°CDB		-25~35		-25~35		-25~35	
Refrigerant	Type				R-32		R-32		R-32	
	GWP				675.0		675.0		675.0	
	Charge		kg		1.50		1.50		1.50	
	Charge		TCO2Eq		1.01		1.01		1.01	
Control				Expansion valve		Expansion valve		Expansion valve		
Sound power level	Heating	Nom.	dBA		58		60		62	
	Cooling	Nom.	dBA		61		62		62	
Sound pressure level	Heating	Nom.	dBA		44		47		49	
	Cooling	Nom.	dBA		48		49		50	
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230		V3/1N~/50/230		V3/1N~/50/230	
Current	Recommended fuses		A		25		25		25	

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)  
 (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

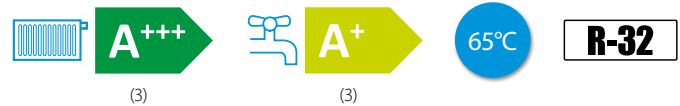
# Daikin Altherma 3 low temperature split integrated floor standing unit

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



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



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.			4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.		0,850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
Cooling capacity	Nom.			5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Cooling	Nom.		0,940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)		
COP					5.10 (1) / 3.65 (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		
	Average climate water outlet 35°C	General	SCOP	4.48		A++		4.47		
			ηs (Seasonal space heating efficiency)	176				179		
			Seasonal space heating eff. class			A+++ (3)				
Domestic hot water heating	General	Declared load profile	Average climate	L	XL	L	XL	L	XL	
			ηwh (water heating efficiency)	127	134	125	133	125	133	
			Water heating energy efficiency class			A+ (3)				

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
Weight	Unit			kg	131	139	131	139	131
Tank	Water volume			l	180	230	180	230	180
	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				

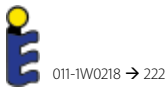
Outdoor Unit		ERGA		04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit			kg		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge			kg		
	Charge			TCO2Eq		
Sound power level	Heating	Nom.	dBA	58	60	62
	Cooling	Nom.	dBA	61	62	
Sound pressure level	Heating	Nom.	dBA	44	47	49
	Cooling	Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V		
Current	Recommended fuses			A		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)  
(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 595 x 600 mm
- > Integrated back-up heater choice of 6 or 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25°C



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) / 4.60 (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		
			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 climate	Declared load profile				L	XL		L	XL
			ηwh (water heating efficiency)	%		125	133		125	133
			Water heating energy efficiency class					A+ (3)		
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			70				
	Maximum water pressure		bar			10				
	Corrosion protection					Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C	5~30		15~65		5~30	
		Water side	Min.~Max.	°C	15~65		5~30		15~65	
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35		5~35		5~35	
		Water side	Max.	°C	70		70		70	
Sound power level	Nom.		dBA	42		42		42		
Sound pressure level	Nom.		dBA	28		28		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		10~43		10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		-25~35		-25~35		
Refrigerant	Type			R-32		R-32		R-32		
	GWP			675.0		675.0		675.0		
	Charge		kg	1.50		1.50		1.50		
	Charge		TCO2Eq	1.01		1.01		1.01		
	Control					Expansion valve				
Sound power level	Heating	Nom.	dBA	58	60		62		62	
	Cooling	Nom.	dBA	61	62		62		62	
Sound pressure level	Heating	Nom.	dBA	44	47		49		49	
	Cooling	Nom.	dBA	48	49		50		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 595 x 600 mm
- > Outdoor unit extracts heat from the outdoor air, even at -25°C







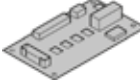
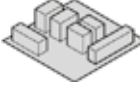







011-1W0218 → 220  
011-1W0245, 247  
011-1W0249, 251

Efficiency data				EHVH + ERGA	04S23DV(G) + 04DV	08S23DV(G) + 06DV	08S23DV(G) + 08DV	
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	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	
	Average climate water outlet 35°C	General	SCOP			4.48	4.47	
			ηs (Seasonal space heating efficiency)			176	179	
Domestic hot water heating		General	Declared load profile			A+++ (3)	XL	
		Average climate	ηwh (water heating efficiency)				134	
		Water heating energy efficiency class				A+ (3)		
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		
		Water side	Min.~Max.			°C		
	Domestic hot water	Ambient	Min.~Max.			°CDB		
		Water side	Max.			°C		
Sound power level	Nom.			dBA				
Sound pressure level	Nom.			dBA				
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			
	Domestic hot water	Min.~Max.			°CDB			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge				kg			
	Charge				TCO2Eq			
Control				Expansion valve				
Sound power level	Heating	Nom.			dBA		62	
	Cooling	Nom.			dBA		62	
Sound pressure level	Heating	Nom.			dBA		49	
	Cooling	Nom.			dBA		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°81/1/2013 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	BRC1HHDW/S/K		●
	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	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	EKPCCAB4		●
	Conversion kit	EKHBCONV		●
		EKHVCONV		●
	Low sound cover for ERGA-D	EKLN-A		●





The Daikin Altherma low temperature split integrated ECH<sub>2</sub>O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

**Intelligent storage management**

- › The unit is ‘Smart Grid’ ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- › Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- › Electronic management of both heat pump and ECH<sub>2</sub>O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

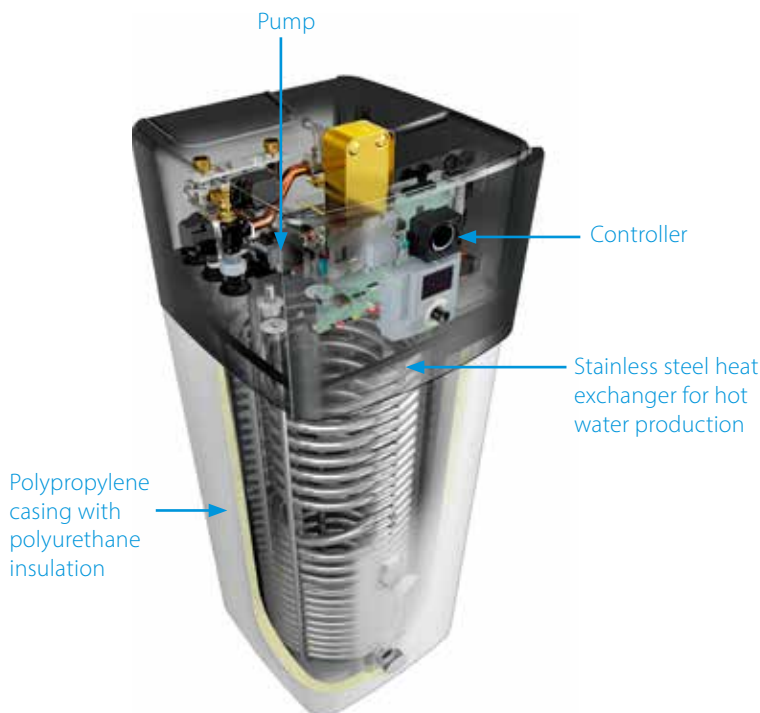
**Innovative and high-quality tank**

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

**Combinable with other heat sources**

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

**ECH<sub>2</sub>O**



**Advanced user interface**



**The Daikin-Eye**

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

**Quick to configure**

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

**Easy operation**

The user interface works really fast thanks to its icon-based menus.

**Beautiful design**

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



## ECH<sub>2</sub>O thermal store range: additional hot water comfort

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

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

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

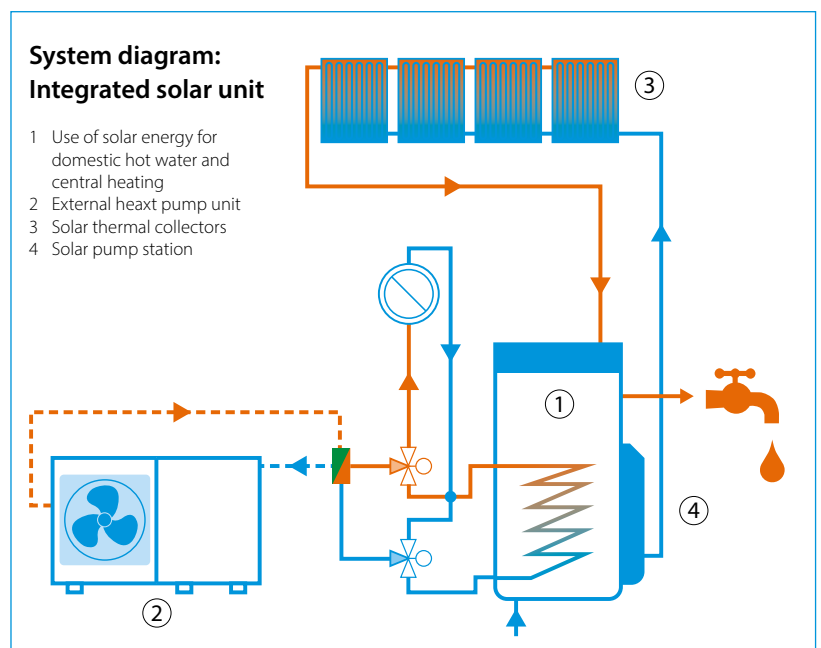
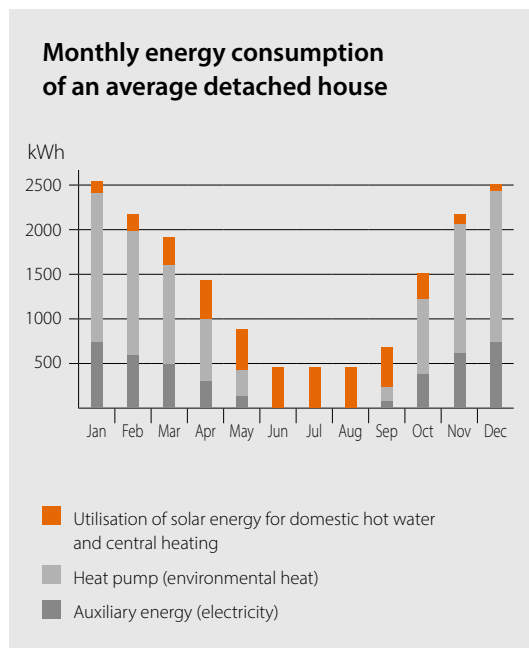
### Pressureless (drain-back) solar system (EHS-D, EHSX-D)

- › 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

### (EHSB-D, EHSXB-D)

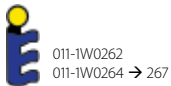
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed



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

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

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



Efficiency data			EHS-D + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.	kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP	3.26		3.32		
			η <sub>sp</sub> (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 <sub>sp</sub> (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 <sub>wh</sub> (water heating efficiency)		108		106	108	106
		Water heating energy efficiency class		A				

Indoor Unit			EHS-D	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour		Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material		Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth	mm	1891x595x615		1896x790x790	1891x595x615	1896x790x790
Weight	Unit		kg	73		93	73	93
Tank	Water volume		l	294		477	294	477
	Maximum water temperature		°C			85		
Operation range	Heating	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
	Domestic hot water	Ambient	Min.~Max.	°CDB				
		Water side	Min.~Max.	°C				
Sound power level	Nom.		dBA	39.1				
Sound pressure level	Nom.		dBA	28				

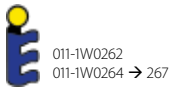
Outdoor Unit			ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water	Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.50		
	Charge		TCO <sub>2</sub> Eq	1.01		
	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 ECH<sub>2</sub>O

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

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



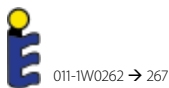
Efficiency data				EHSB + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV		
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)				
Power input	Heating	Nom.	kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)				
COP				5.10 (1) / 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		3.32			
			η <sub>s</sub> (Seasonal space heating efficiency)	127		130		130			
	Average climate water outlet 35°C	General	SCOP	4.48	4.47		4.56		4.56		
			η <sub>s</sub> (Seasonal space heating efficiency)	176		179		179		179	
			Seasonal space heating eff. class	A++		A++		A++			
Domestic hot water heating	General	Declared load profile		L	XL		L		XL		
			Average climate	η <sub>wh</sub> (water heating efficiency)	108	109		108		109	
			Water heating energy efficiency class	A		A		A		A	
Indoor Unit				EHSB	04P30D	08P30D	08P50D	08P30D	08P50D		
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1891x595x615		1896x790x790		1891x595x615		1896x790x790	
Weight	Unit	kg									
	Tank	Water volume	l	294		477		294		477	
Operation range	Heating	Ambient	Min.~Max.	°C		-25~25		-25~25		-25~25	
		Water side	Min.~Max.	°C		18~65		18~65		18~65	
	Domestic hot water	Ambient	Min.~Max.	°CDB		-25~35		-25~35		-25~35	
		Water side	Min.~Max.	°C		25~55		25~55		25~55	
Sound power level	Nom.	dBA			39.1		39.1		39.1		
Sound pressure level	Nom.	dBA			28		28		28		
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		10.0~43.0						
	Domestic hot water	Min.~Max.	°CDB		-25 ~35						
Refrigerant	Type	R-32									
	GWP	675.0									
	Charge	kg									
	Charge	TCO2Eq									
	Control	Expansion valve									
Sound power level	Heating	Nom.	dBA		58		60		62		
	Cooling	Nom.	dBA		61		62		62		
Sound pressure level	Heating	Nom.	dBA		44		47		49		
	Cooling	Nom.	dBA		48		49		50		
Power supply	Name/Phase/Frequency/Voltage	Hz/V			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 ECH<sub>2</sub>O

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



Efficiency data				EHSX + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
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)
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		0.94 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)
COP						5.10 (1) / 3.65 (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		176		4.47		4.56	
		ηs (Seasonal space heating efficiency)							179	
		Seasonal space heating eff. class					A+++ (3)			
Domestic hot water heating	General Average climate	Declared load profile	Average	%	L	XL	L	XL	L	XL
					108	106	108	106	108	106
		Water heating energy efficiency class					A			

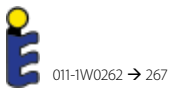
Indoor Unit				EHSX	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790		
Weight	Unit		kg	73	93	73	93	73	93		
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		39.1			
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	10.0~43.0							
	Domestic hot water	Min.~Max.	°CDB	-25 ~35							
Refrigerant	Type			R-32							
	GWP			675.0							
	Charge		kg	1.50							
	Charge Control		TCO2Eq	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)  
 (3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

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

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

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







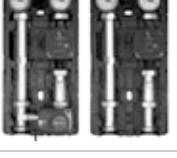



Efficiency data				EHSXB + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV	
Heating capacity	Nom.			kW							
Power input	Heating	Nom.		kW							
Cooling capacity	Nom.			kW							
Power input	Cooling	Nom.		kW							
COP											
EER											
Space heating	Average climate water outlet 55°C	General	SCOP				3.26				3.32
			η <sub>s</sub> (Seasonal space heating efficiency)				127				130
	Average climate water outlet 35°C	General	SCOP	4.48			A++				4.56
			η <sub>s</sub> (Seasonal space heating efficiency)	176			4.47				179
						A+++ (3)					
Domestic hot water heating	General Average climate	Declared load profile		L	XL	L	XL	L	XL		
		η <sub>wh</sub> (water heating efficiency)	%			108	109	108	109	108	109
						A					

Indoor Unit				EHSXB	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790	
Weight	Unit	kg								
Tank	Water volume	l								
	Maximum water temperature	°C								
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°CDB						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°CDB						
		Water side	Min.~Max.	°C						
Sound power level	Nom.	dBA								
Sound pressure level	Nom.	dBA								
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							
	Domestic hot water	Min.~Max.	°CDB							
Refrigerant	Type	R-32								
	GWP	675.0								
	Charge	kg								
	Charge	TCO <sub>2</sub> Eq								
Sound power level	Heating	Nom.	dBA			60			62	
	Cooling	Nom.	dBA			61			62	
Sound pressure level	Heating	Nom.	dBA			47			49	
	Cooling	Nom.	dBA			48			50	
Power supply	Name/Phase/Frequency/Voltage			Hz/V						
Current	Recommended fuses			A						

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)  
 (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 ECH <sub>2</sub> O	
Controls	Room thermostat	RoCon U1 / EHS157034	
	Mixer module	RoCon M1 / EHS157068	
	Remote outdoor sensor	EKRSC1	
	Gateway for apps	RoCon G1 / EHS157056	
Back-up heater	Back-up heater 1 kW + Switchbox	EKBUB1C + EKBUHSWB	
	Back-up heater 3 kW + Switchbox	EKBUB3C + EKBUHSWB	
	Back-up heater 9 kW + Switchbox	EKBUB9C + EKBUHSWB	
Hydraulics	Hydraulic separator	HWC / 172900	
	Heat insulation for HWC	WHWC / 172901	
Pump group	Pump group with mixer module	156075	
	Pump group without mixer module	156077	
Additional connections	Dirt separator SAS1	SAS1 / 156021	
	Dirt separator SAS2	SAS2 / 156023	
	Biv connector kit	141589	
	DB connector kit	141590	
	Terminal connection kit	141592	
	Connector external heater	141591	
Other	Low sound cover for ERGA-D	EKLN-A	



# Daikin Altherma 3 wall mounted unit

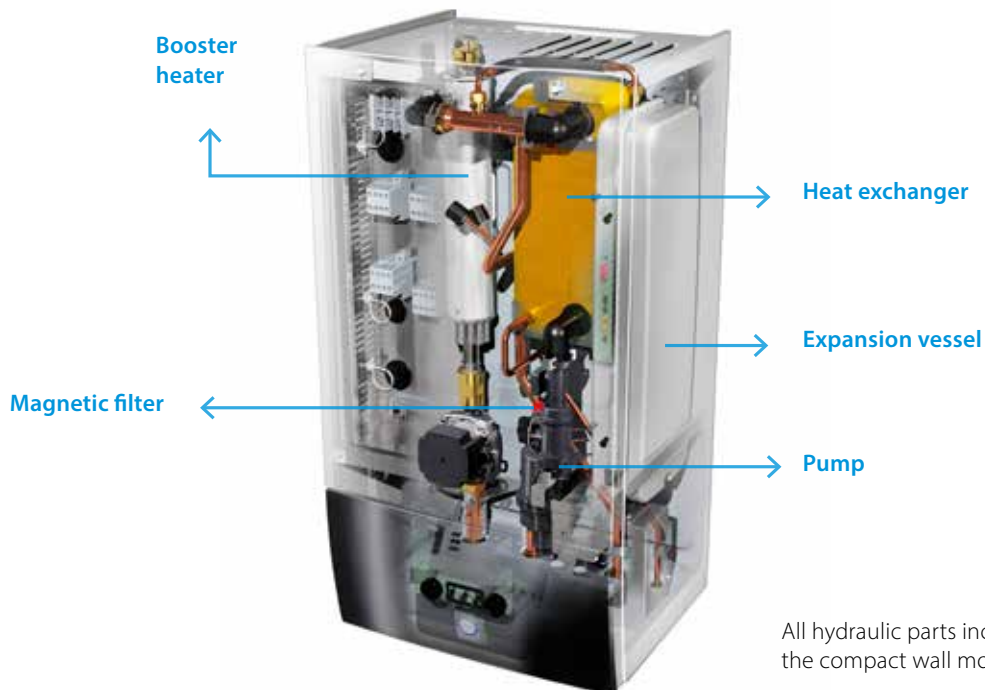


## Why choose Daikin wall mounted unit?

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



All hydraulic parts included in the compact wall mounted unit



## Flexibility in providing domestic hot water

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

ECH<sub>2</sub>O thermal store range: additional hot water comfort

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

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



## 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 ECH<sub>2</sub>O thermal store.
- > Outdoor unit extracts heat from the outdoor air, even at -25°C



Efficiency data				EHBH + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
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)	
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+++ (3)						
Indoor Unit				EHBH	04D6V	08D6V	08D9W	08D6V	08D9W
Casing	Colour			White + Black					
	Material			Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			kg					
Operation range	Heating	Water side	Min.~Max.	42.0		42.4		42.0	42.4
	Domestic hot water	Water side	Min.~Max.	°C					
Sound power level	Nom.			dBA					
Sound pressure level	Nom.			dBA					
Outdoor Unit				ERGA	04DV	06DV	08DV		
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			kg					
Compressor	Quantity			1					
	Type			Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.		°CDB					
	Domestic hot water	Min.~Max.		°CDB					
Refrigerant	Type			R-32					
	GWP			675.0					
	Charge			kg					
	Charge			TCO2Eq					
	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					
Current	Recommended fuses			A					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)  
 (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 ECH<sub>2</sub>O thermal store.
- > Outdoor unit extracts heat from the outdoor air, even at -25°C







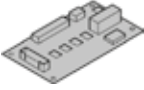
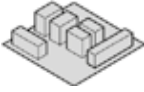







Efficiency data				EHBX + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	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) / 3.65 (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)					
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	
Operation range	Heating	Water side	Min.~Max.	°C	15~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~80				
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	10~43					
	Domestic hot water	Min.~Max.	°CDB	-25~35					
Refrigerant	Type			R-32					
	GWP			675.0					
	Charge		kg	1.50					
	Charge		TCO2Eq	1.01					
	Control			Expansion valve					
Sound power level	Heating	Nom.	dB(A)	58	60		62		
	Cooling	Nom.	dB(A)	61					
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°81/1/2013 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	BRC1HHDW/S/K		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	LAN Adapter + PV Solar connection	BRP069A61		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	LAN only	BRP069A62		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Room thermostat (wired)	EKRTWA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Room thermostat (wireless)	EKRTR1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	External sensor	EKRTETS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Adapter	Demand PCB	EKRP1AHTA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Digital I/O PCB	EKRP1HBAA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Back-up heater	Back-up heater kit	EKLBUHCB6W1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> only for EHVH-DV(G)
Installation	Bi-zone kit (watts kit)	BZKA7V3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (excluding EHVZ)
Sensors	Remote indoor sensor	KRCS01-1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Remote outdoor sensor	EKRSCA-1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Others	PC USB Cable	EKPCCAB4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Conversion kit	EKHBCONV		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		EKHVCONV			<input checked="" type="checkbox"/>
	Low sound cover for ERGA-D	EKLN-A		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



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

## ECH<sub>2</sub>O thermal store: additional hot water comfort

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

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

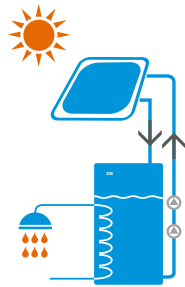
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

## Efficiency

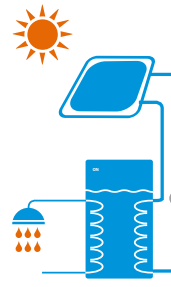
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

## Reliability

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



Drain-back solar system



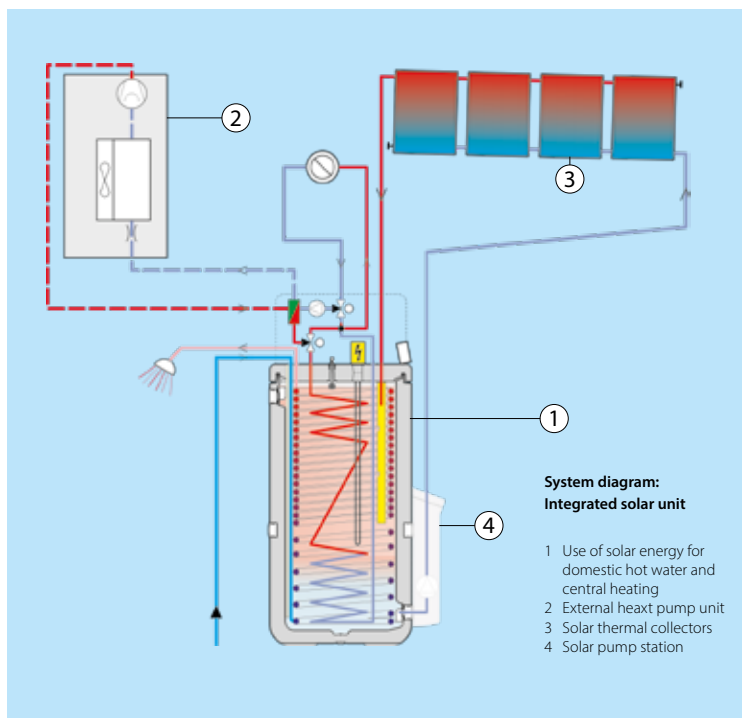
Pressurised solar system

### Pressureless (drain-back) solar system

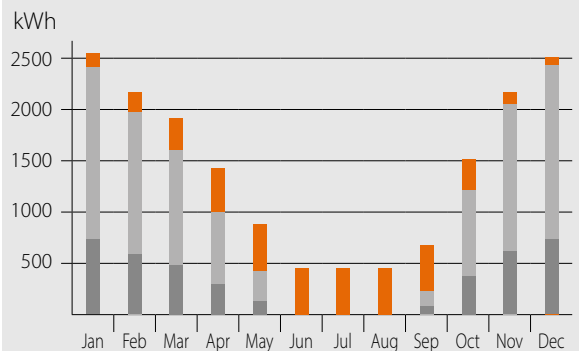
- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

### Pressurised solar system

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



### Monthly energy consumption of an average detached house




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

# Thermal store

## Plastic domestic hot water tank with solar support

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



Accessory		EKHWP	300B	500B	300PB	500PB		
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)						
	Material	Impact resistant polypropylene						
Dimensions	Unit	Width	mm	595	790	595	790	
		Depth	mm	615	790	615	790	
Weight	Unit	Empty	kg	58	82	58	89	
	Tank	Water volume	l	294	477	294	477	
	Material		Polypropylen					
	Maximum water temperature		°C	85				
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7	
	Energy efficiency class		B					
	Standing heat loss		W	64	72	64	72	
	Storage volume		l	294	477	294	477	
	Heat exchanger	Domestic hot water	Quantity	1				
Tube material			Stainless steel (DIN 1.4404)					
Face area			m <sup>2</sup>	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 <sup>2</sup>	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)	-		
		Face area	m <sup>2</sup>	-	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 <sup>2</sup>	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				

# Madoka

The beauty of simplicity.



Silver  
RAL 9006 (metallic)  
BRC1HHDS



Black  
RAL 9005 (matt)  
BRC1HHDK



White  
RAL9003 (glossy)  
BRC1HHDW

## User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

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



reddot award 2018  
winner



BRC1HHDW / BRC1HHDS / BRC1HHDK

## Madoka wired remote controller for Daikin Altherma 3

A new generation of user interface, redesigned and intuitive



BRC1HHDW



BRC1HHDS



BRC1HHDK

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



### Intuitive control with a premium design:

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

### Three colours to match any interior design:

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

### Easily set operation parameters:

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

### Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store



[www.daikin.eu/madoka](http://www.daikin.eu/madoka)

# 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

## 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



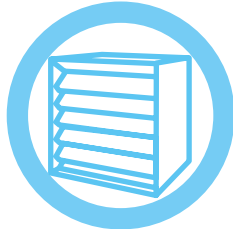
# Discover a world of silence

The low sound cover is the ideal and practical way to lower the sound of the Daikin Altherma outdoor unit. It allows for the unit to be in line with local regulations on sound emission or in the case of limited space, when the unit is installed close to a neighbouring property. With the use of this new Low Sound Cover, the sound performances of the Daikin Altherma outdoor units can be reduced with an additional -3 dB(A).



## Sound reduction

- Reducing the emitted sound with -3 dB(A) which corresponds to more than 50% reduction of the sound level
- To use with Daikin Altherma ERGA-D or ERLQ-C outdoor units
- In night mode, the sound is reduced to less than 35 dB(A) at 3 metres.



## Functional and modern outlook

The smooth and discrete design blends in with today's house architecture.



## Safeguarded performance & warranty

- The installation of the low sound cover has no impact on the heating performances of your outdoor unit, only the noise is reduced.
- Your warranty remains unchanged.



## Quick installation

- The low sound cover is delivered in a flat pack
- It can be installed over a floor or a wall mounted outdoor unit
- The cover can easily be assembled, based on a set of simple and straightforward instructions, delivered with the pack
- The installation of the low sound cover takes less than 20 minutes



			Wall mounted		Floor standing	integrated tank
						EHVH08S23DAV(G) EHVH08S18DA6V(G) EHVH04S23DAV(G) EHVH04S18DA6V(G) EHVH04S23DA6V(G) EHBH08DA6V EHBH08DA9W EHBH04DA6V EHBX08DA6V
Type	Description	Material name	EHBX04DA6V	EHBX08DA9W	EHVX04S23DA6V(G)	EHVX08S23DA9W(G)
Outdoor unit		ERGA04DAV3	●		●	
		ERGA06DAV3		●		●
		ERGA08DAV3		●		●
Options	Digital PCB	EKRP1HBAA	●	●	●	●
	Demand PCB	EKRP1AHTA	●	●	●	●
	User interface	BRC1HHDK/S/W	●	●	●	●
	LAN Adapter	BRP069A61	●	●	●	●
		BRP069A62	●	●	●	●
	Remote indoor sensor	KRCS01-1	●	●	●	●
	Remote outdoor sensor	EKRSCA1	●	●	●	●
	PC USB Cable	EKPCCAB4	●	●	●	●
Back-up heater kit	EKLBUHCB6W1			● only for EHVH-DV(G)	● 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	●	●		
		EKS RPS4A				
Options	Room thermostat					
	Mixer module					
	Outdoor sensor for RoCon controller					
	Gateway for apps					
	Back-up heater 1 kW / 3kW / 9kW					
	Hydraulic separator					
	Heat insulation for HWC					
	Mixing group with integrated high efficiency pump					
	Mixing group with integrated high efficiency pump (PWM)					
	Pump group with mixer module					
	Pump group without mixer module					
	Connection kit for MK1					
	Dirt separator SAS1					
	Dirt separator SAS2					
	Biv connector kit					
	DB connector kit					
Terminal connection kit						
Connector external heater						





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