DAIKIN

altherma

Daikin Altherma 3 M

Product leaflet 2022

THE POWER PACT

E(B/D)LA-D(7) series

Why choose
Daikin Altherma air-to-water heat pump?
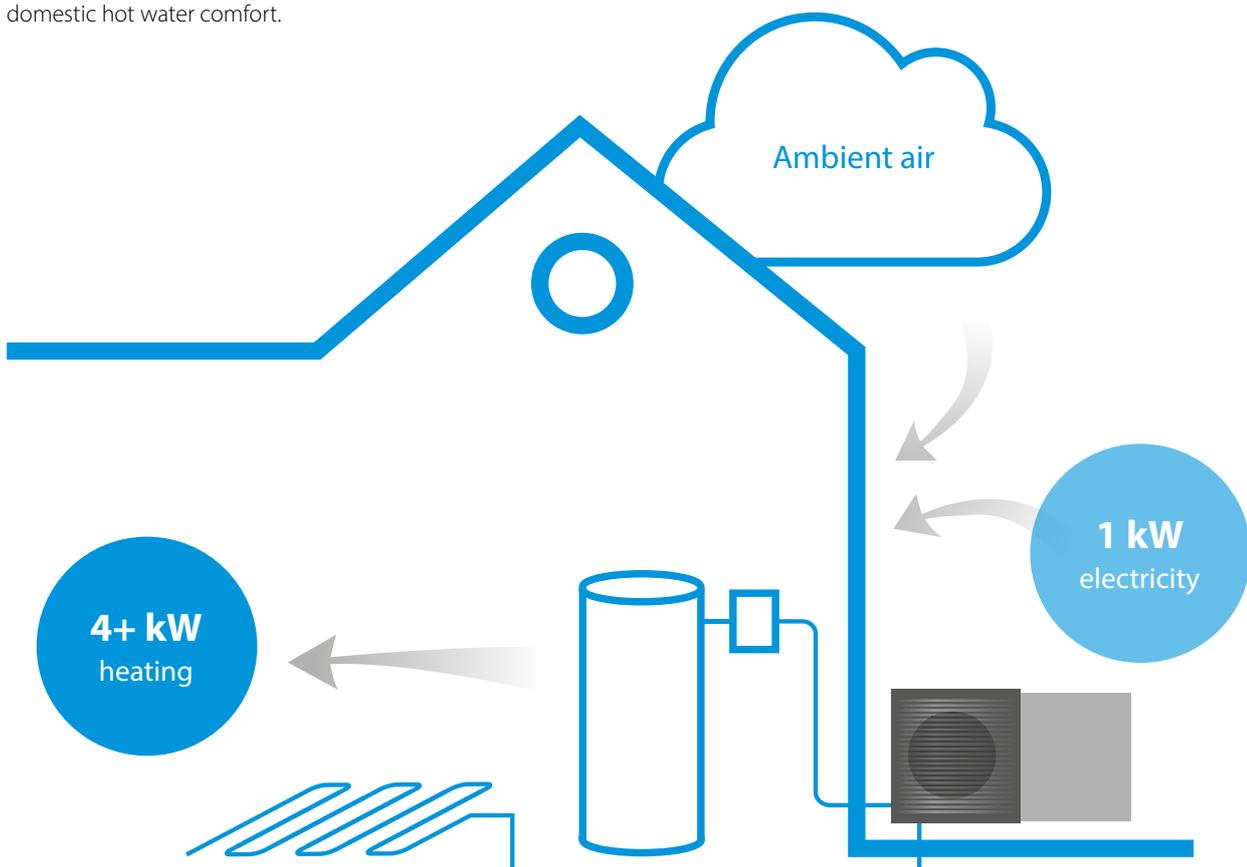
How does it work?

The outdoor unit extracts energy from the air to provide heating, cooling and hot water. They collect up to 75% of their energy in the air, while the rest is provided by electricity. The air-to-water heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, and heat the water up to your needs and to deliver it into your house.

Mid temperature heat pump

Ideal for new building applications and suitable for large renovations, mid temperature heat pumps are particularly fitting with underfloor heating and heat pump convectors requiring a lower temperature to provide an equivalent comfort as radiators.

Monobloc unit

The monobloc is an outdoor unit including the refrigerant circuit. In this case, there is no indoor unit, only a wiring center and a stand-alone tank for domestic hot water comfort.
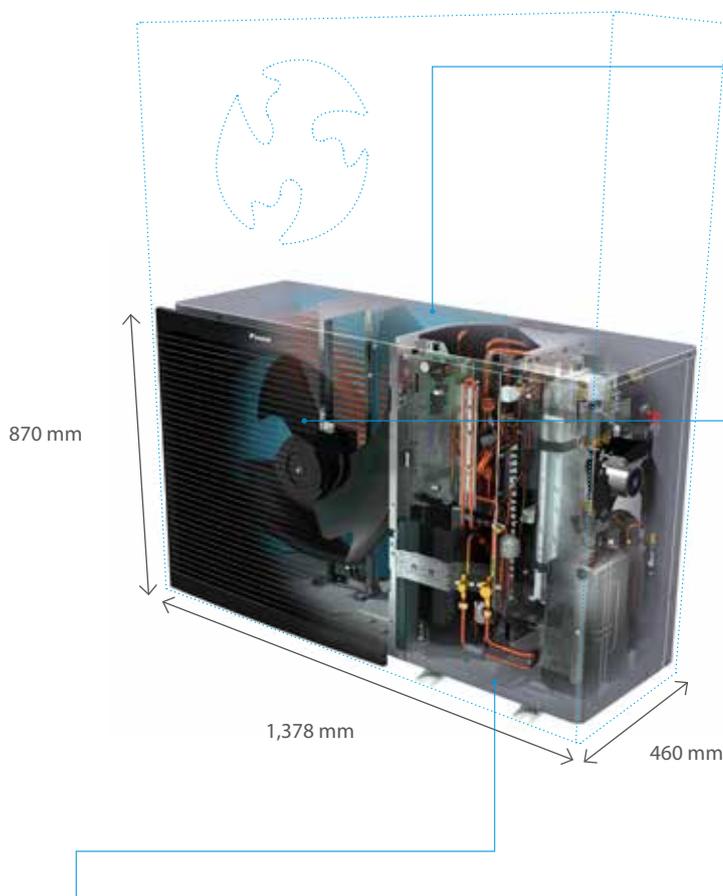
Ambient air

1 kW
electricity

4+ kW
heating

Daikin Altherma 3 M

The power pact

The Daikin Altherma 3 M is Daikin's first third-generation monobloc.
This new edition features a brand-new design and runs on refrigerant R-32.

Improved compact design

870 mm

1,378 mm

460 mm

A redesigned casing

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

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

A single fan for high-capacity units

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

Monobloc running on refrigerant R-32

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

Ideal for small spaces

The monobloc is the ideal solution for places that have limitations on space. No additional indoor unit is required, and the monobloc can fit right under a window to save outdoor space.

R-32   BLUEVOLUTION

Onecta App
Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their heating system from their smartphone.
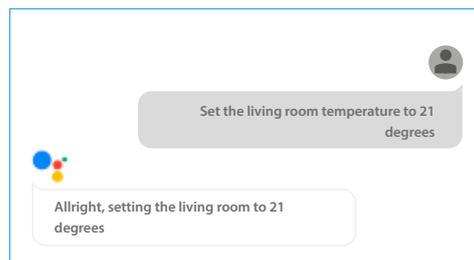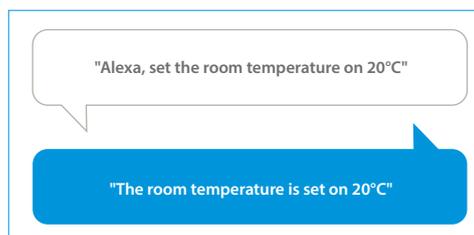

onecta

NEW

Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.
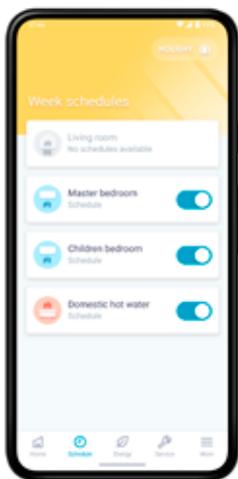
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant   amazon alexa

Set the living room temperature to 21 degrees

Allright, setting the living room to 21 degrees

Example of using the voice control via Google Assistant

"Alexa, set the room temperature on 20°C"
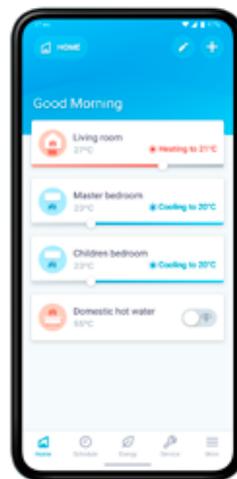
"The room temperature is set on 20°C"

Example of using the voice control via Amazon Alexa

4

Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.
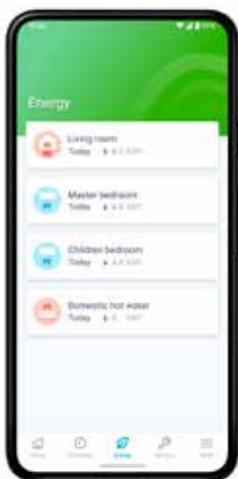
☑ Schedule room temperature and operation mode
☑ Enable holiday mode to save costs

Control

Customise the system to fit your lifestyle and year-round comfort levels.

☑ Change room and domestic hot water temperature
☑ Turn on powerful mode to boost hot water production

Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

☑ Check the status of the heating system
☑ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.

Available on the App Store

GET IT ON Google Play

Scan the QR code to download the app now

User-friendly wired remote controller with premium design

Madoka. The beauty of simplicity

Madoka

Black
RAL 9005 (matt)
BRC1HHDK

White
RAL9003 (glossy)
BRC1HHDW

Silver
RAL 9006 (metallic)
BRC1HHDS

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

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.

GET IT ON Google Play

Available on the App Store

Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.

reddot award 2018 winner

iF DESIGN AWARD 2018

Fully connected

The Daikin Altherma 3 M finds its power in
Daikin Altherma total solution, including controls,
heat collectors and heat emitters.

Daikin Residential Controller App, with voice control

› Control the heating system from home or remotely via smartphone
› Control the heating system with voice commands
› Integrate with Google Assistant and Amazon Alexa
› Other features include:
  - Scheduling for daily use or holiday mode
  - Controlling multiple units/performance boosting
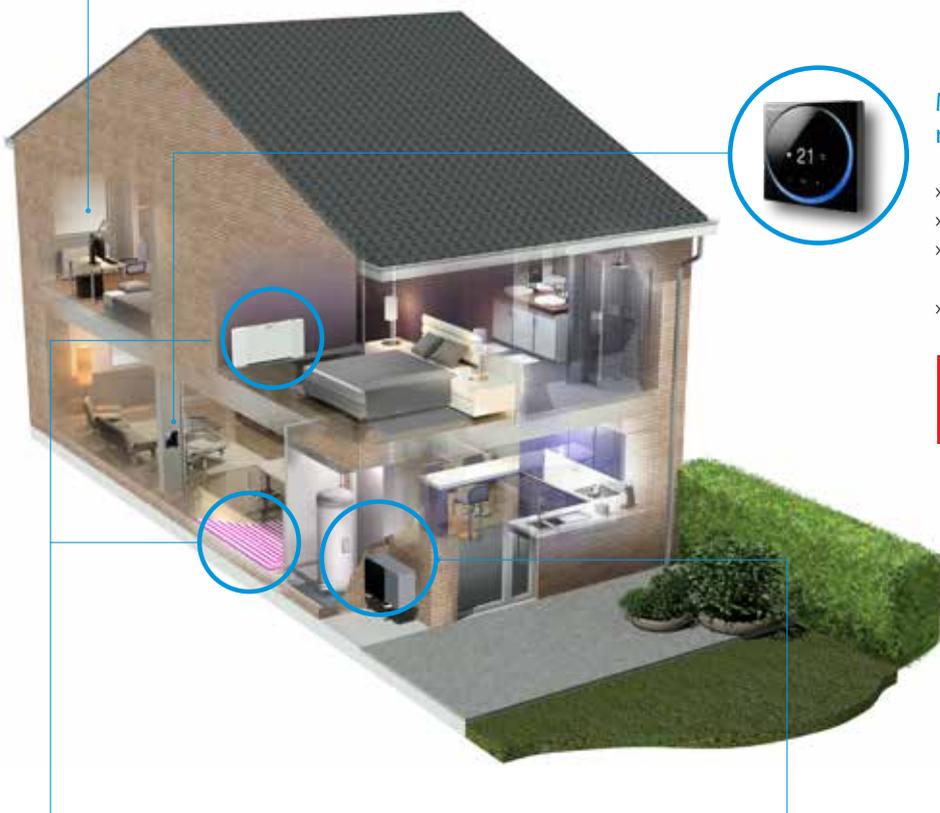 - Monitoring energy consumption

Cloud ready with WLAN option

Madoka: a user-friendly wired room thermostat

› Sleek and elegant design
› Intuitive touch button control
› Three colours to match any interior (white, black and silver-grey)
› Compact unit measuring only 85 x 85 mm

iF DESIGN AWARD 2018

reddot award 2018 winner

Heating and cooling emitters

As a mid-temperature heat pump, the Daikin
Altherma 3 M works perfectly with various
emitters, including fan coils, underfloor
heating and heat pump convectors.

Domestic hot water production

The monobloc combines with stainless steel tanks
(EKHWS-D), thermal stores and panels (EKHWP)
to provide domestic hot water quickly.

Stand By Me,
a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service program, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.

1

Heating Solutions Navigator
HSN *PRO*
Provide the best fit solution for your customers homes

🖥 Web portal 🔧 Professionals

2

Daikin e-Care
DAIKIN
Access to registration, configuration and trouble shooting

📱 Mobile app 🔧 Professionals

3

Stand By Me
Manage your installation database and offer comfort and service to your customer

🖥 Web portal 🔧 Professionals

4

Onecta App
DAIKIN
End-user app to control the residential unit

📱 Mobile app 👥 Consumer

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!

HSN *PRO*

Heating Solutions Navigator
Newest functions:
underfloor heating, Fan Coil
selection tool and ventilation
quotation tool

DAIKIN

Daikin e-Care
Newest function:
20 installer settings to solve
problems remotely

Stand By Me
Newest function:
20 installer settings for remote
monitoring (SBM Pro)

DAIKIN

Onecta App
Newest function:
voice control thanks to Amazon
Alexa or Google Assistant

NEW

Error notification and 20 installer settings for remote support through SBM Pro and e-care app

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings they can improve your comfort immediately.
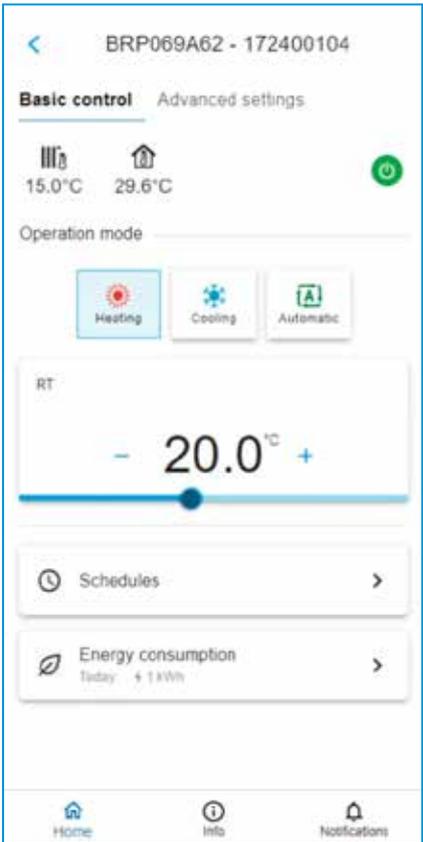Save time and get a better support, thanks to these new features.

☑ Space heating/cooling

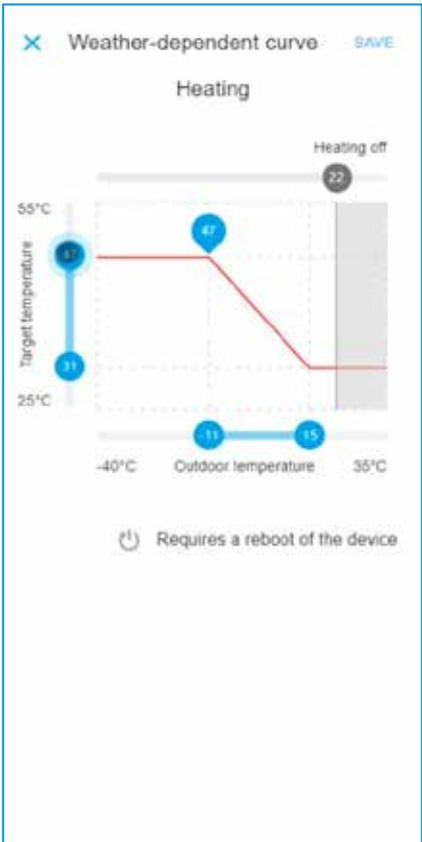☑ Main zone & Additional zone (LWT)

☑ Domestic hot water

☑ Room (RT)

☑ Installer – Error handling

Adjust a room setpoint remotely

Adjust the weather-dependent curve remotely

Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating and cooling**, and is ideal for indoor spaces that have limited room

› WLAN cartridge connection (optional)
› Possible to combine with domestic hot water tanks
› Heating and cooling air-to-water heat pump
› Monobloc all-in-one concept including all hydraulic parts
› An optional built-in 3 kW electric back-up heater or a separate back-up heater kit are available for additional heating
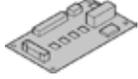› Available in one phase and three phase

EBLA09-16DV3(7)/DW1(7)

BRC1HHDW

Up to A+++

60°C

R-32

011-1W0423 → 426

Single Unit			EBLA09D(3) V3/D(3)W1	EDLA09D(3) V3/D7(3)W1	EBLA11D(3) V3/D(3)W1	EDLA11D(3) V3/D(3)W1	EBLA14D(3) V3/D(3)W1	EDLA14D(3) V3/D(3)W1	EBLA16D(3) V37/D(3)W17	EDLA16D(3) V37/D(3)W17
Heating capacity	Nom.	kW	9.37 (1) / 9.00 (2)	9.37 (1) / 9.00 (2)	10.6 (1) / 9.82 (2)	10.6 (1) / 9.82 (2)	12.0 (1) / 12.5 (2)	12.0 (1) / 12.5 (2)	16.0 (1) / 16.0 (2)	16.0 (1) / 16.0 (2)
Power input	Heating Nom.	kW	1.91 (1) / 2.43 (2)	1.91 (1) / 2.43 (2)	2.18 (1) / 2.68 (2)	2.18 (1) / 2.68 (2)	2.46 (1) / 3.42 (2)	2.46 (1) / 3.42 (2)	3.53 (1) / 4.56 (2)	3.53 (1) / 4.56 (2)
COP			4.91 (1) / 3.71 (2)	4.91 (1) / 3.71 (2)	4.83 (1) / 3.66 (2)	4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)	4.87 (1) / 3.64 (2)	4.53 (1) / 3.51 (2)	4.53 (1) / 3.51 (2)
Cooling capacity	Nom.	kW	9.35 (3) / 9.10 (4)	-	11.6 (3) / 11.5 (4)	-	12.8 (3) / 12.7 (4)	-	14.0 (3) / 15.3 (4)	-
Power input	Cooling Nom.	kW	2.79 (3) / 1.71 (4)	-	3.56 (3) / 2.17 (4)	-	4.06 (3) / 2.51 (4)	-	4.58 (3) / 3.24 (4)	-
EER			3.35 (3) / 5.34 (4)	-	3.26 (3) / 5.31 (4)	-	3.16 (3) / 5.04 (4)	-	3.06 (3) / 4.74 (4)	-
SEER			5.62 (5)	-	5.79 (5)	-	5.71 (5)	-	5.59 (5)	-

Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)	135		132		134		132	
			SCOP	3.44		3.37		3.42		3.37	
			Seasonal space heating eff. class	A++							
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)	190		186		185			
			SCOP	4.82		4.73		4.70		4.69	
			Seasonal space heating eff. class	A+++							
Casing	Colour		Silver								
	Material		Polyester painted galvanised steel plate								
Dimensions	Unit HeightxWidthxDepth	mm	870 x 1,380 x 460								
Weight	Unit	kg	DV3(7) / DW1(7): 147, D3V3(7) / D3W1(7): 149								
Compressor	Quantity		1								
	Type		Hermetically sealed swing compressor								
Operation range	Heating Ambient Min.~Max.	°CWB	DV3(7) / DW1(7): -25 ~ 25, D3V3(7) / D3W1(7): -25 ~ 35								
	Water side Min.~Max.	°C	DV3(7) / DW1(7): 9 ~ 60, D3V3(7) / D3W1(7): 15 ~ 60								
Operation range (EBLA only)	Cooling Ambient Min.~Max.	°CDB	10 ~ 43								
	Water side Min.~Max.	°C	5 ~ 22								
Operation range	Domestic hot water Ambient Min.~Max.	°CDB	-25 ~ 35								
	Water side Min.~Max.	°C	25 ~ 55								
Refrigerant	Type		R-32								
	GWP		675								
	Charge	kg	3.80								
	Charge	TCO2Eq	2.57								
	Control		Expansion valve								
Sound power level (5)	Heating Nom.	dBA	62								
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230 - W1/3~/50/400								
Current	Recommended fuses	A	32/16								

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) | (2) Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C) | (3) Cooling: EW 12 °C; LW 7 °C; ambient conditions: 35 °CDB | (4) Cooling: EW 23 °C; LW 18 °C; ambient conditions: 35 °CDB | (5) According to EN14825. This product contains fluorinated greenhouse gases.
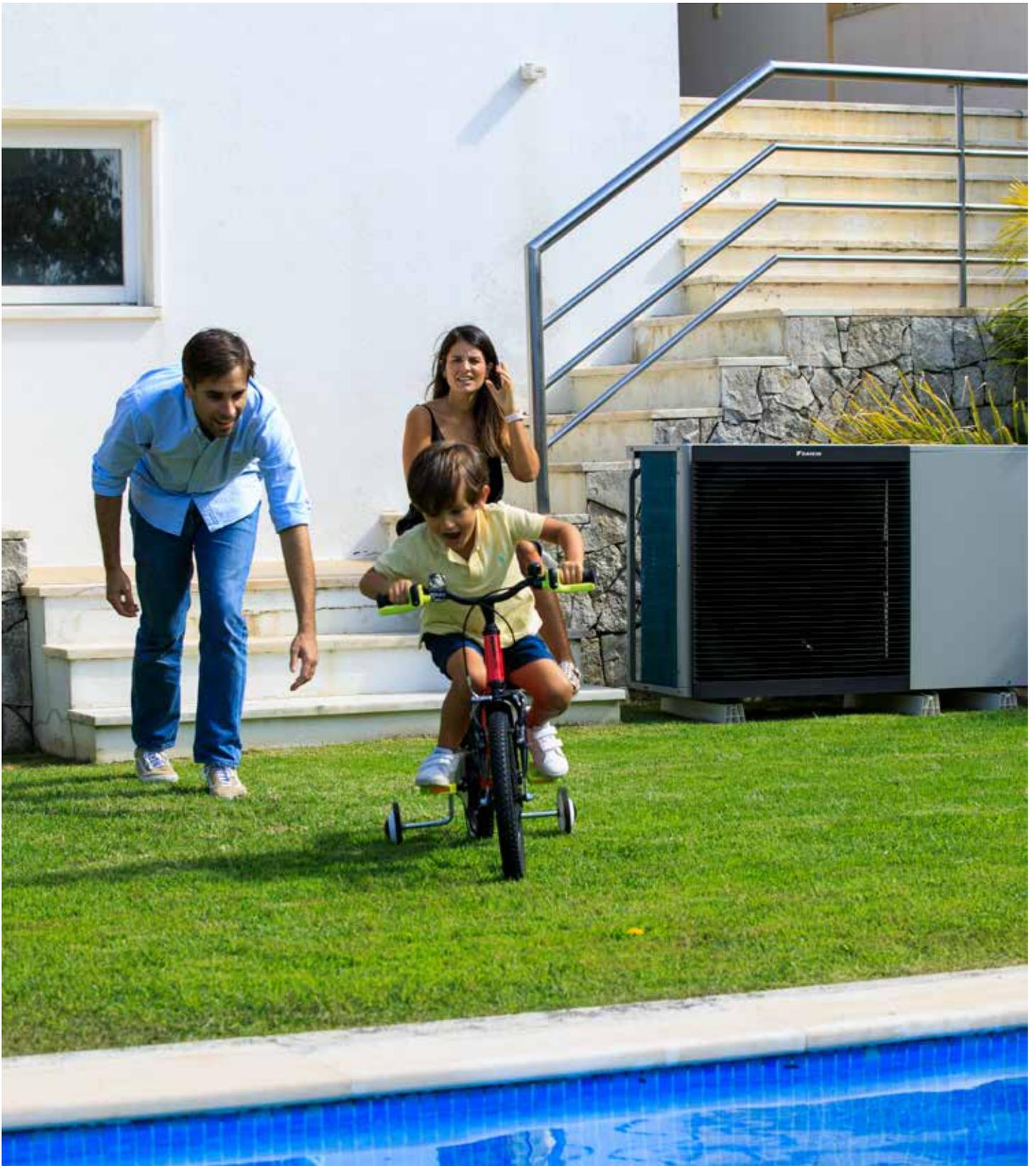
Options

			NO BUH		BUH	
			H/O	REV	H/O	REV
			EDLA-DV3/W1(7)	EBLA-DV3/W1(7)	EBLA-D3V3/3W1(7)	EBLA-D3V3/3W1(7)
	Type	**Material name**				
Controllers	Madoka, remote room thermostat	BRC1HHDW/S/K	●	●	●	●
	WLAN cartridge	BRP069A78	●	●	●	●
	Room thermostat (wired)	EKRTWA	●	●	●	●
	Room thermostat (wireless)	EKRTR1	●	●	●	●
	External sensor	EKRTETS	●	●	●	●
Adapters	Demand PCB	EKRP1AHTA	●	●	●	●
	Digital I/O PCB	EKRP1HBAA	●	●	●	●
Installation	Bi-Zone kit (watts kit)	BZKA7V3	●	●	●	●
	Anti-freeze valve	AFVALVE1	●	●	●	●
	Flow switch	EKFLSW1	● [1]	● [1]	● [1]	● [1]
	Bypass kit	EKMBHBP1		●		
	BUH-kit	EKLBUHCB6W	●	●		
	Third party tank kit	EKHY3PART	● [2]	● [2]	● [2]	● [2]
	Third party tank kit	EKHY3PART2	● [3]	● [3]	● [3]	● [3]
Sensors	Remote indoor sensor	KRCS01-1	●	●	●	●
	Remote outdoor sensor	EKRSCA-1	●	●	●	●
Others	PC USB cable	EKPCCAB4	●	●	●	●

(1) Mandatory when glycol is used.
(2) To use when thermistor can be inserted in the tank.
(3) To use when thermistor cannot be inserted in the tank.

FSC

CERTIFIED
LR
ISO 9001 · ISO 14001

CE