



# Daikin Altherma 3 R

powered by Bluevolution with R-32 refrigerant

## Why choose Daikin Altherma 3 R?

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



### High performance

- › Leaving water temperature up to 65 °C at high efficiency
- › Suitable for both underfloor heating and radiators
- › Pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates
- › The Bluevolution technology offers the highest performance:
  - Seasonal efficiency up to A+++
  - Heating efficiency up to a COP of 5,1 (at 7 °C/35 °C)
  - Domestic hot water efficiency up to COP of 3,3 (EN16147)
- › Available in 4, 6 and 8 kW

### Easy to install

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

### Easy commissioning

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

### Easy to control

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



Control with Onecta app



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

### ✓ **Best seasonal efficiencies**

providing the highest savings on running costs

### ✓ Perfect fit for

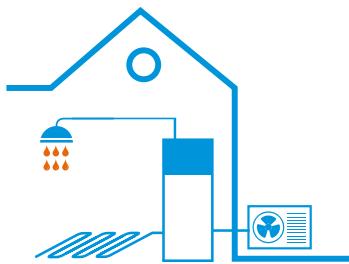
**new buildings**, as well as for low energy houses

### ✓ A leaving water

temperature up to 65 °C makes it also **a suitable**

**choice for refurbishments**

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



#### Daikin Altherma 3 R F

##### Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

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

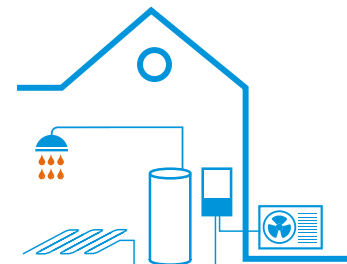


#### Daikin Altherma 3 R ECH<sub>2</sub>O

##### 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



#### Daikin Altherma 3 R W

##### Wall mounted unit

High flexibility for installation and domestic hot water connection

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



# Daikin Altherma 3 R F

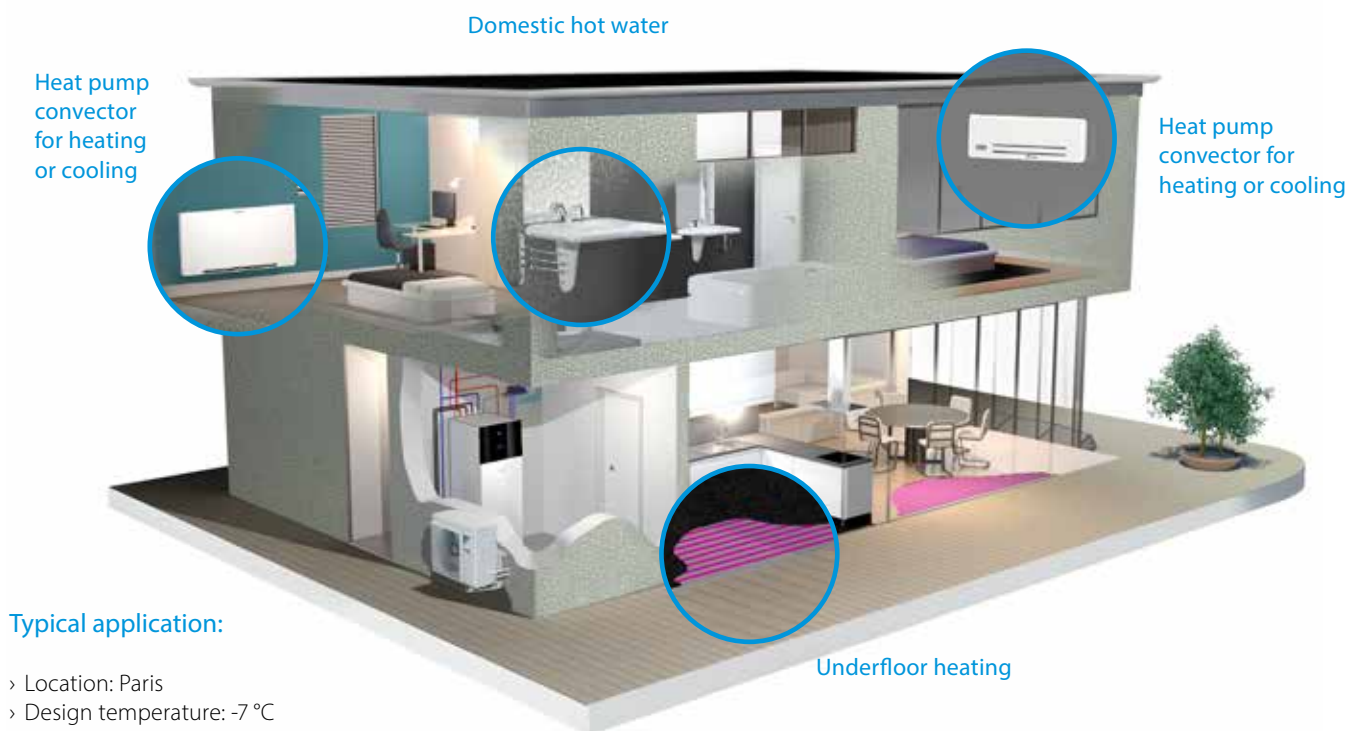
floor standing unit with integrated domestic hot water tank

## 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 595 x 625 mm
- › Integrated back-up heater choice of 3, 6, 9 kW
- › 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: 7 kW
- › Heating off temperature: 16 °C

# All-in one design

## Reduces the installation footprint and height

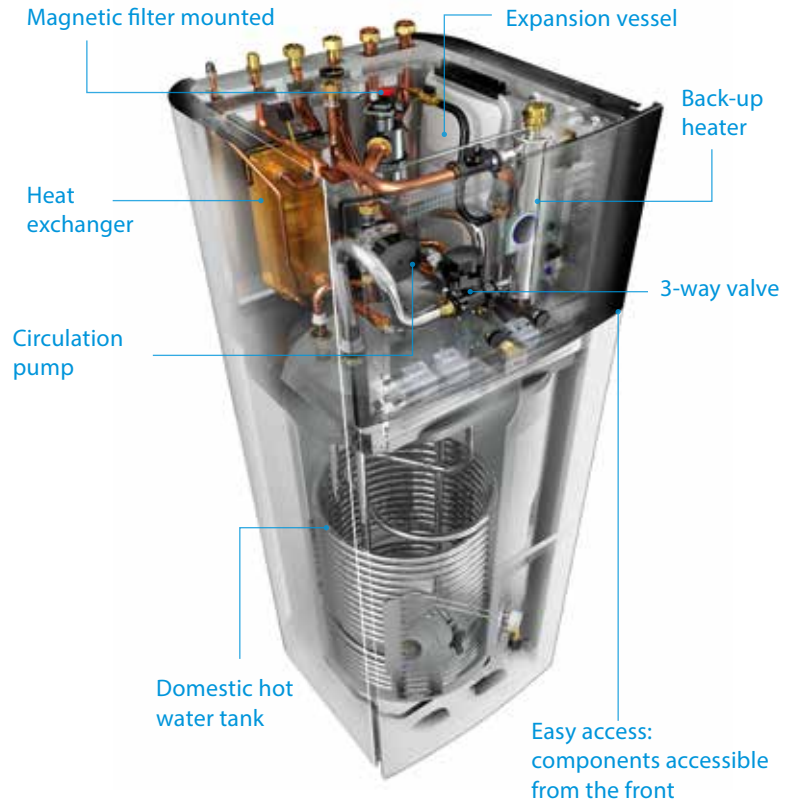
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

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

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

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 the 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 interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

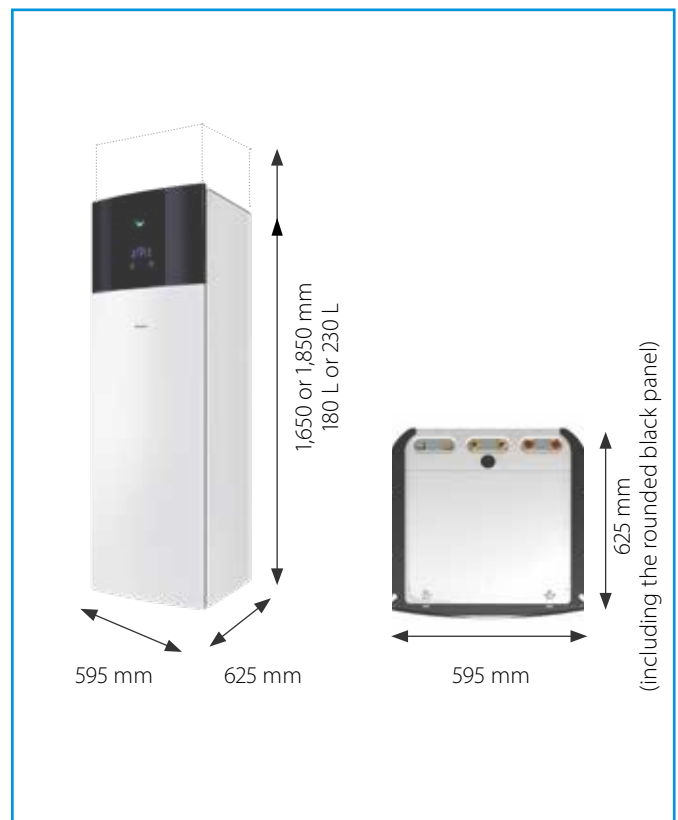
## Easy operation

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

## 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.

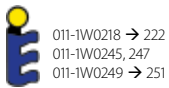
## Integrated indoor unit



# Daikin Altherma 3 R F

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

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



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



Efficiency data		EHVH + ERGA		04S18E 6V+ 04EV	04S23E 6V+ 04EV	08S18E6V/ E9W + 06EVH	08S23E6V/ E9W + 06EVH	08S18E6V/ E9W + 08EVH	08S23E6V/ E9W + 08EVH	
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)	
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			
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++						
			SCOP	4.48		4.47		4.56		
Domestic hot water heating	Average climate	General	η <sub>sp</sub> (Seasonal space heating efficiency)	176			179			
			Seasonal space heating eff. class	A+++						
Domestic hot water heating	Average climate	General	Declared load profile	L	XL	L	XL	L	XL	
			Water heating energy efficiency class	125		133		125		133
				A+						
Indoor Unit				EHVH	04S18E6V	04S23E6V	08S18E6VH/E9WH	08S23E6VH/E9WH	08S18E6VH/E9WH	08S23E6VH/E9WH
Casing	Colour	White + Black								
	Material	Resin / Sheet metal								
Dimensions	Unit	Height x Width x Depth	mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit			kg	119	128	119	128	119	128
	Water volume			l	180	230	180	230	180	230
Tank	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~65					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					
Outdoor Unit				ERGA	04EV	06EVH	08EVH			
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388						
Weight	Unit			kg	58.5					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	°CDB	-25~35						
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	1.50					
	Charge			TCO,Eq	1.01					
Sound power level	Heating	Nom.	dBA	58	60			62		
	Cooling	Nom.	dBA	61	62					
Sound pressure level	Heating	Nom.	dBA	44	47			49		
	Cooling	Nom.	dBA	48	49			50		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230					
Current	Recommended fuses			A	25					

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