

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?

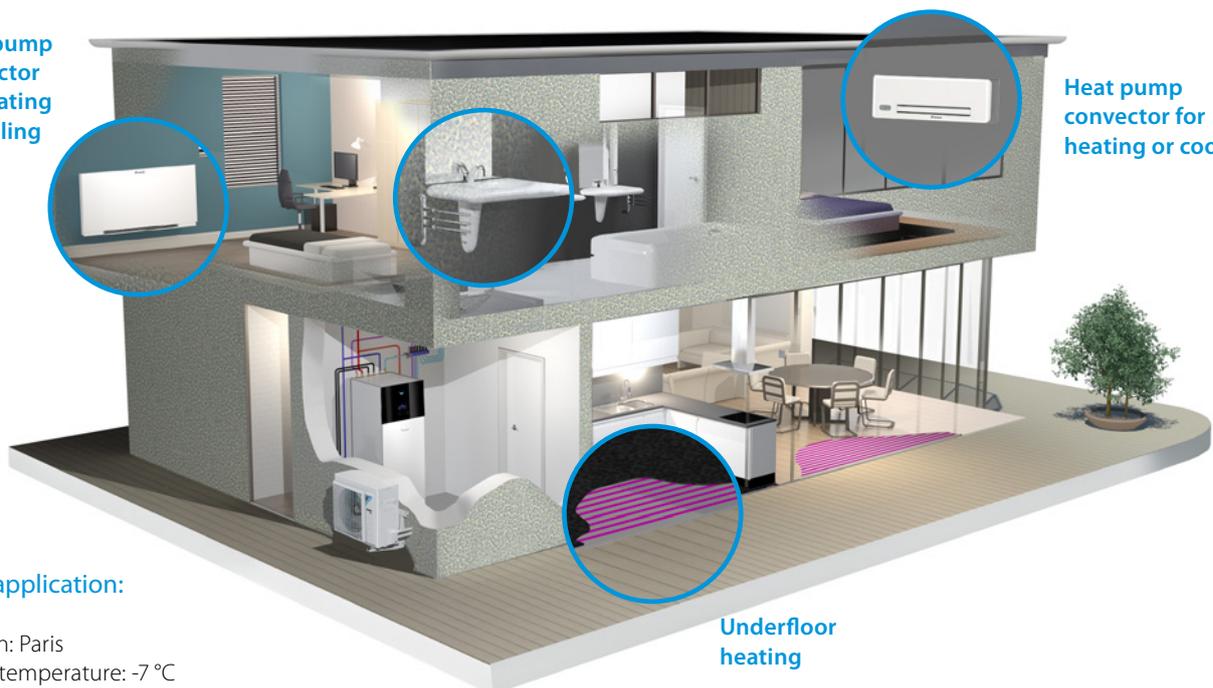
The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump 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

Domestic hot water

Heat pump convector for heating or cooling



Heat pump convector for heating or cooling

Underfloor heating

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

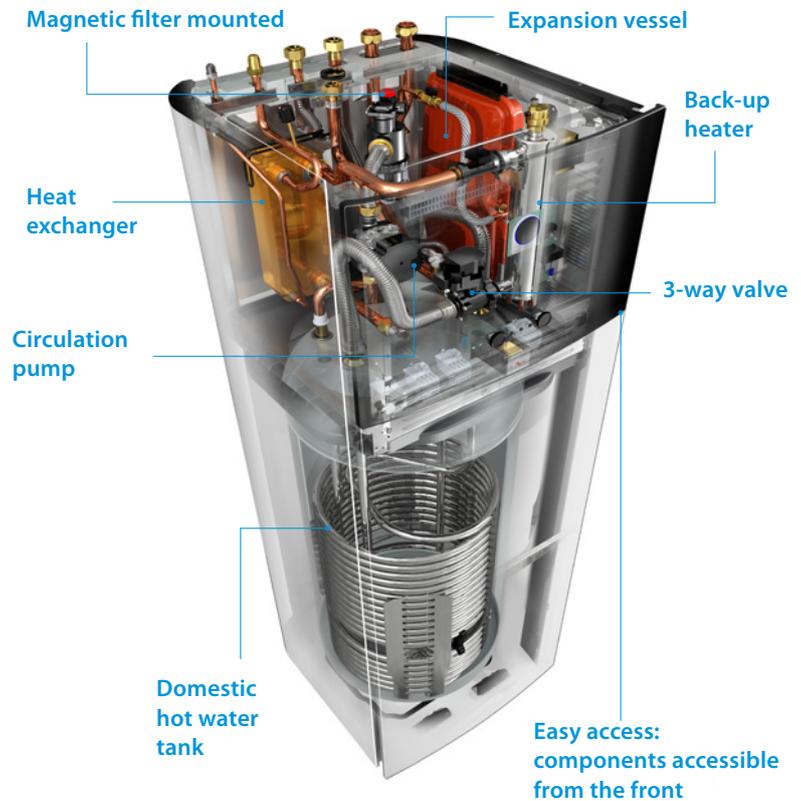
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

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, cooling and hot water; ideal for low energy houses

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



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

More details and final information can be found by scanning or clicking the QR codes.



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

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

Outdoor Unit			ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.50		
	Charge		TCO:Eq	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		
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.