

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?

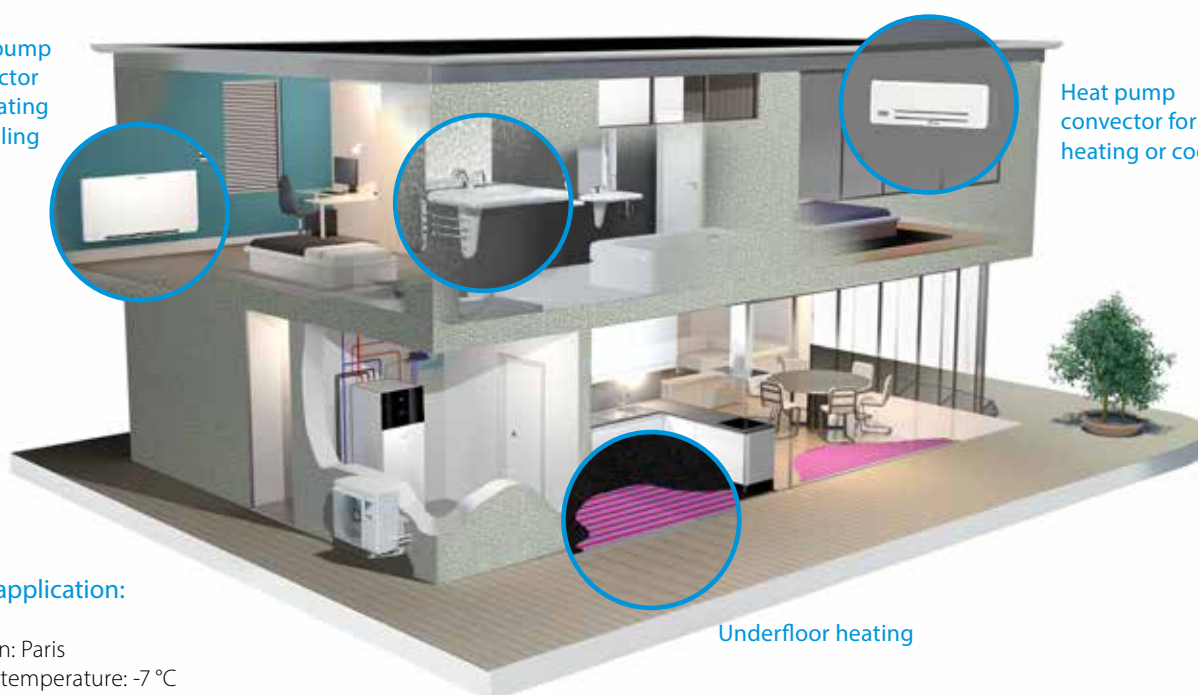
The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

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

Domestic hot water

Heat pump convector for heating or cooling



Heat pump convector for heating or cooling

Typical application:

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

Underfloor heating

All-in one design

Reduces the installation footprint and height

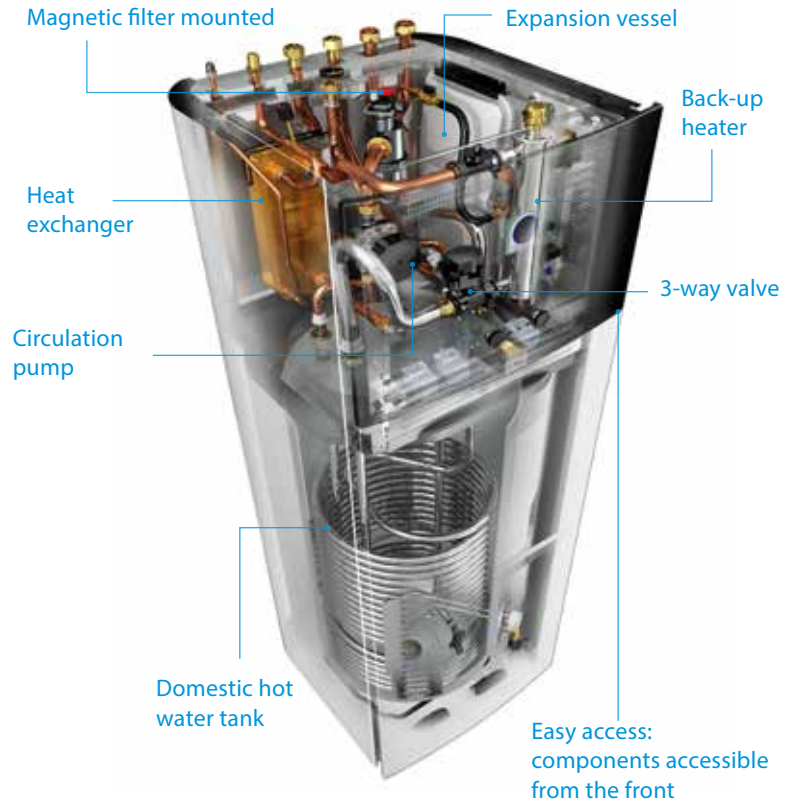
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

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!

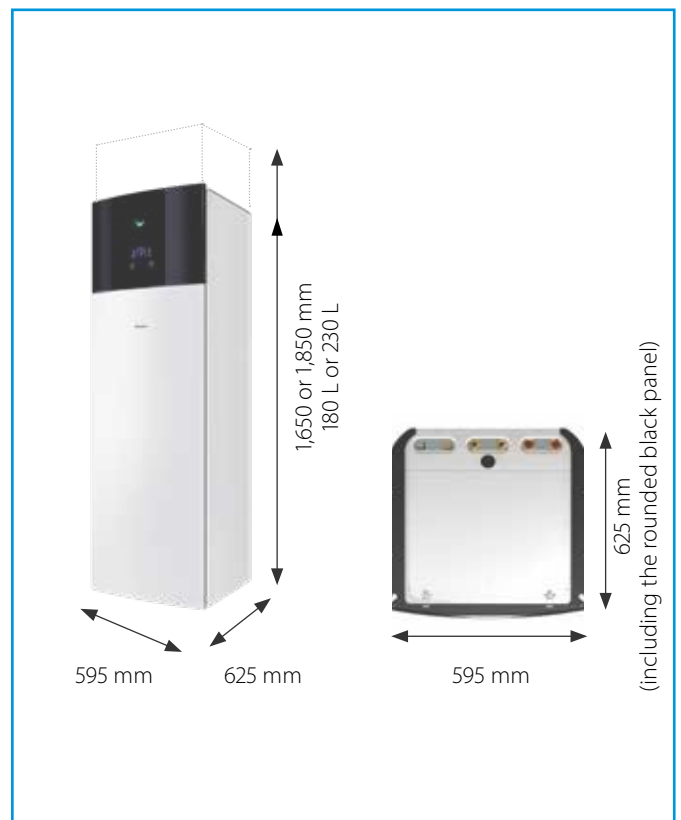
Easy operation

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.

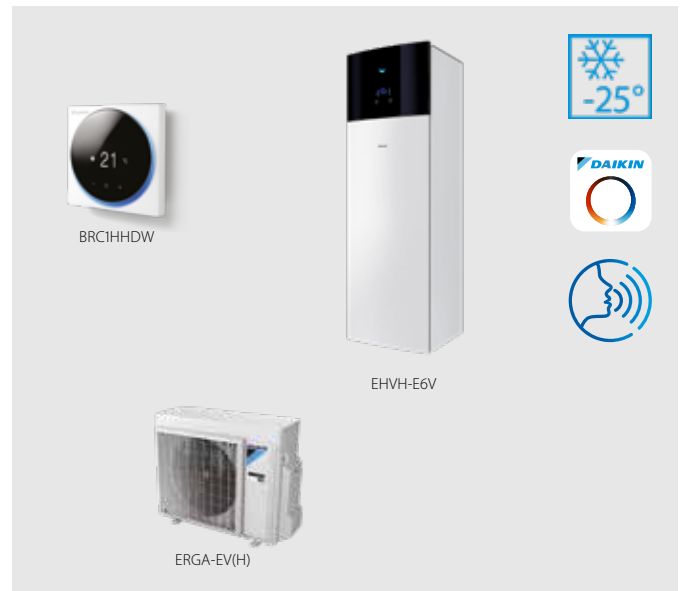
Integrated indoor unit



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

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- › Inclusion of all hydraulic components means no third party components are required
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- › 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



up to



A+++



A+

65 °C

R-32

Efficiency data				EHVH + ERGA		04S18E6V+ 04EV		04S23E6V+ 04EV		08S18E6V/ E9W + 06EVH		08S23E6V/ E9W + 06EVH		08S18E6V/ E9W + 08EVH		08S23E6V/ E9W + 08EVH		
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+++											
Domestic hot water heating 	General	Declared load profile				L		XL		L		XL		L		XL		
	Average climate	ηwh (water heating efficiency)		%		125		133		125		133		125		133		
	Water heating energy efficiency class					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		
Weight		Unit				kg		119		128		119		128		119		
		Water volume				l		180		230		180		230		180		
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				TCO2Eq		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). This product contains fluorinated greenhouse gases.

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Efficiency data				EHVX + ERGA	04S18E3V/ E6V + 04EV		04S23E3V/ E6V + 04EV		08S18E6V/ E9W + 06EVH		08S23E6V/ E9W + 06EVH		08S18E6V/ E9W + 08EVH		08S23E6V/ E9W + 08EVH				
Heating capacity		Nom.			kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		7.50 (1) / 7.80 (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)		1.63 (1) / 2.23 (2)				
Cooling capacity		Nom.			kW		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)		6.25 (1) / 5.44 (2)		6.25 (1) / 5.44 (2)				
Power input		Cooling		Nom.			kW		0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)		1.16 (1) / 1.73 (2)				
COP							5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)				
EER							5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)		5.40 (1) / 3.14 (2)		5.40 (1) / 3.14 (2)				
		Average climate water outlet 55 °C		General		SCOP		3.29		3.28		3.35		3.35		3.35			
						ηs (Seasonal space heating efficiency)		129		128		131		131					
		Average climate water outlet 35 °C		General		Seasonal space heating eff. class				A++									
						SCOP		4.54		4.52		4.61		4.61					
		General		Declared load profile		ηs (Seasonal space heating efficiency)		179		178		181		181		181			
						Seasonal space heating eff. class				A+++									
		Average climate		rywh (water heating efficiency)		%		L		XL		L		XL		L		XL	
								127		125		134		133		125		133	

(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).
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