

# Daikin Altherma 3 R W

Wall mounted unit

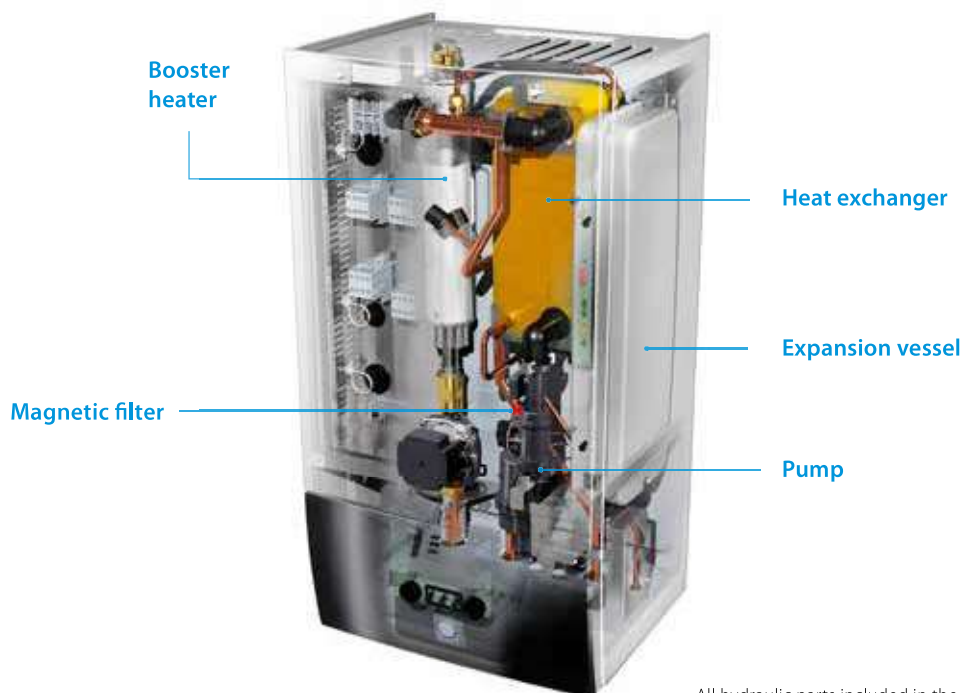


## Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R W 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 tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH<sub>2</sub>O thermal stores.

### 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



Heat pumps



Example of installation with a stainless steel domestic hot water tank (EKHWS-D).

# Daikin Altherma 3 R W

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
- > Compatible with the Daikin Residential Controller app
- > Voice control available



up to **A+++** **65 °C** **R-32**



Efficiency data		EHBH + ERGA		04E6V + 04EV		08E6V + 06EV		08E9W + 06EV		08E6V + 08EV		08E9W + 08EV		
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>s</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			
				η <sub>s</sub> (Seasonal space heating efficiency)		176				179				
				Seasonal space heating eff. class		A+++								
Indoor Unit		EHBH		04E6V		08E6V		08E9W		08E6V		08E9W		
Casing	Colour							White + Black						
	Material							Resin, sheet metal						
Dimensions	Unit	Height x Width x Depth		mm				840 x 440 x 390						
Weight	Unit			kg		42.0		42.4		42.0		42.4		
	Heating	Water side	Min.~Max.		°C		15 ~65		25~75					
Operation range	Domestic hot water	Water side	Min.~Max.		°C									
	Sound power level	Nom.		dBA				42						
Sound pressure level	Nom.		dBA				28							
Outdoor Unit		ERGA		04EV		06EV		08EV						
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 <sub>Eq</sub>		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/IN~/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.

# Daikin Altherma 3 R W

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
- › Compatible with the Daikin Residential Controller app
- › Voice control available



up to **A+++** **65 °C** **R-32**

Heat pumps







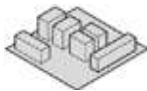






011-1W0218-219  
011-1W0221  
011-1W0246-247

Efficiency data		EHBX + ERGA		04E6V + 04EV		08E6V + 06EV		08E9W + 06EV		08E6V + 08EV		08E9W + 08EV		
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		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (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)				
COP						5.10 (1) / 3.65 (2)		4.85 (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)				
Space heating	Average climate water outlet 55 °C	General	SCOP			3.29		3.28		3.35				
			ηs (Seasonal space heating efficiency)	%		129		128		131				
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class					A++						
			SCOP			4.54		4.52		4.61				
			ηs (Seasonal space heating efficiency)	%		179		178		181				
			Seasonal space heating eff. class					A+++						
Indoor Unit		EHBX		04E6V		08E6V		08E9W		08E6V		08E9W		
Casing	Colour							White + Black						
	Material							Resin, sheet metal						
Dimensions	Unit	Height x Width x Depth		mm				840 x 440 x 390						
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Operation range	Heating	Water side	Min.~Max.		°C				15 ~65					
	Domestic hot water	Water side	Min.~Max.		°C				25~75					
Sound power level	Nom.			dBa				42						
Sound pressure level	Nom.			dBa				28						
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	Cooling	Nom.	dBa		48		49		50					
Power supply	Name/Phase/Frequency/Voltage			Hz/V				V3/1N~/50/230						
Current	Recommended fuses			A				25						

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# Options - Daikin Altherma 3 R W

	Type	Material name
<b>Controllers</b>		Remote user interface BRC1HHDW/S/K
		WLAN Adapter module BRP069A71
		Room thermostat (wired) EKRTWA
		Room thermostat (wireless) EKTR1
		External sensor EKRTETS
<b>Adapter</b>		Demand PCB EKRP1AHTA
		Digital I/O PCB EKRP1HBAA
<b>Installation</b>		Bi-Zone kit (watts kit) BZKA7V3
<b>Sensors</b>		Remote indoor sensor KRCS01-1
		Remote outdoor sensor EKRSCA-1
<b>Others</b>		PC USB Cable EKPCAB4
		Conversion kit EKHBCONV
		Low sound cover for ERGA-E EKLN-A
		Connection kit with storage tank EKHWP* EKBH3SD