

All-in-one solution for
residential heating



High performance

Improved efficiency up to A++



365

Year-round reliability

Delivering higher heating capacity at low ambient temperatures



Monobloc concept

All hydraulic parts included in the outdoor unit



Environmentally friendly

Integrated sealed refrigerant circuit to allow only water connection inside the house

Daikin Altherma low temperature monobloc

High performance



Our new double-fan Daikin Altherma monobloc has been improved with an higher seasonal efficiency, reaching the A++ label.

The unit can be connected with our last stainless steel tank EKHWS(U)-D to provide domestic hot water with a well-performing B label.



A⁺⁺



B

Year-round reliability



The Daikin Altherma monobloc delivers higher heating capacity at low ambient temperatures allowing installation in the coldest area.

The unit efficiently operates down to -25°C outside.

The leaving water temperature can reach 55°C which is perfect for new build applications using underfloor heating.

55°C

Monobloc concept



The monobloc concept includes all hydraulic parts in the outdoor unit, resulting in a minimal space required inside the house.

The installer spends less time on-site thanks to this quick and easy installation procedure.

Environmentally friendly



Thanks to the integrated sealed refrigerant circuit, only a water connection is needed inside the house.

All the refrigerant is then located in the outdoor unit without any risk of leakage.

A simple solution

The reversible air-to-water heat pump monobloc system is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water.

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit:

- › Quiet and space-saving design that's easy to commission and install
- › All hydraulic components are combined into one outdoor unit
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- › Combine with an **ECH₂O** thermal store to provide thermal support
- › Combine with a stainless steel tank for domestic hot water



Thermal stores



- › Available in 300 and 500 liters
- › Tank designed for connection with pressurised and drainback thermal solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › Space heating support possible (500l tank only)

Stainless steel DHW tank



- › Available in 150, 180, 200, 250 and 300l
- › Low standing losses (1,08 - 1,63 kWh/24h)
- › Pre plumbed model (SU) for UK

Daikin Altherma

low temperature monobloc

Reversible air to water monobloc system, ideal when indoor space is limited

- › Monobloc all-in-one concept including hydraulic parts
- › Separate indoor wiring center (control box)
- › LAN Adapter connection
- › Possible to combine with domestic hot water
- › Energy efficient heating only system based on air-to-water heat pump technology
- › A++ heating energy label (from G to A++)
- › Model available with integrated back-up heater



Single Unit			EBLQ/EDLQ	011C(3)V3	014C(3)V3	016C(3)V3	011C(3)W1	014C(3)W1	016C(3)W1
Space heating	Average climate water outlet 55°C	General	η_s (Seasonal space heating efficiency)	120	123	119	120	123	119
			SCOP	3.09	3.16	3.06	3.09	3.16	3.06
	Average climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	156	153	149	156	153	149
			SCOP	3.98	3.90	3.80	3.98	3.90	3.80
Heating capacity	Nom.		kW	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)
Cooling capacity (only applicable to EBLQ)	Nom.		kW	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)
Power input	Cooling	Nom.	kW	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)
	Heating	Nom.	kW	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP				4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)	4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)
EER (only applicable to EBLQ)				3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)	3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)
SEER (only applicable to EBLQ)				3.85	3.89	3.90	3.85	3.89	3.90
Dimensions	Unit	HeightxWidthxDepth	mm	1,348x1,160x380					
Weight	Unit		kg	151 (-CV3) / 157 (-C3V3)			154 (-CW1) / 160 (-C3W1)		
Operation range (3) Heating	Ambient	Min.~Max.	°CWB				-25~35		
		Water side	Min.~Max.				25~55		
Operation range (3) Cooling	Ambient	Min.~Max.	°CDB				10~46		
		Water side	Min.~Max.				5~22		
Operation range (3) Domestic hot water	Ambient	Min.~Max.	°CDB				-25~35		
		Water side	Min.~Max.				25~80		
Refrigerant	Type			R-410A					
	GWP			2087.5					
	Charge		kg	3.40					
	Charge		TCO ₂ eq	7.10					
Sound power level	Heating	Nom.	dBA	64		66	64		66
		Cooling	Nom.	dBA	64	66	69	64	66
Sound pressure level	Heating	Nom.	dBA		51		52	51	
		Cooling	Nom.	dBA	50	52	54	50	52

Wiring centre			EKCB07CV3	EK2CB07CV3
Casing	Colour		White	
	Material		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	
Weight	Unit		kg	
			360x340x97.0	
			4.00	

Back-up heater kit			Only for -CV3, -CW1	EKMBUHC3V3	EKMBUHC9W1
Casing	Colour		White		
	Material		Precoated sheet metal		
Dimensions	Unit	HeightxWidthxDepth	mm		
Weight	Unit		kg		
			560x250x210		
			11.0		13.0

(1) Condition 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) Condition 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) | (3) Including back-up heater and/or booster heater, see details in databook.

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