



All-in-one solution
for residential
heating



Keep the technical equipment outside. Only cosiness stays inside.
The new Daikin Altherma Monobloc

Our promise...

... is to ensure that customers can depend on Daikin for the ultimate in comfort, so that they are free to focus on their own working and home lives.

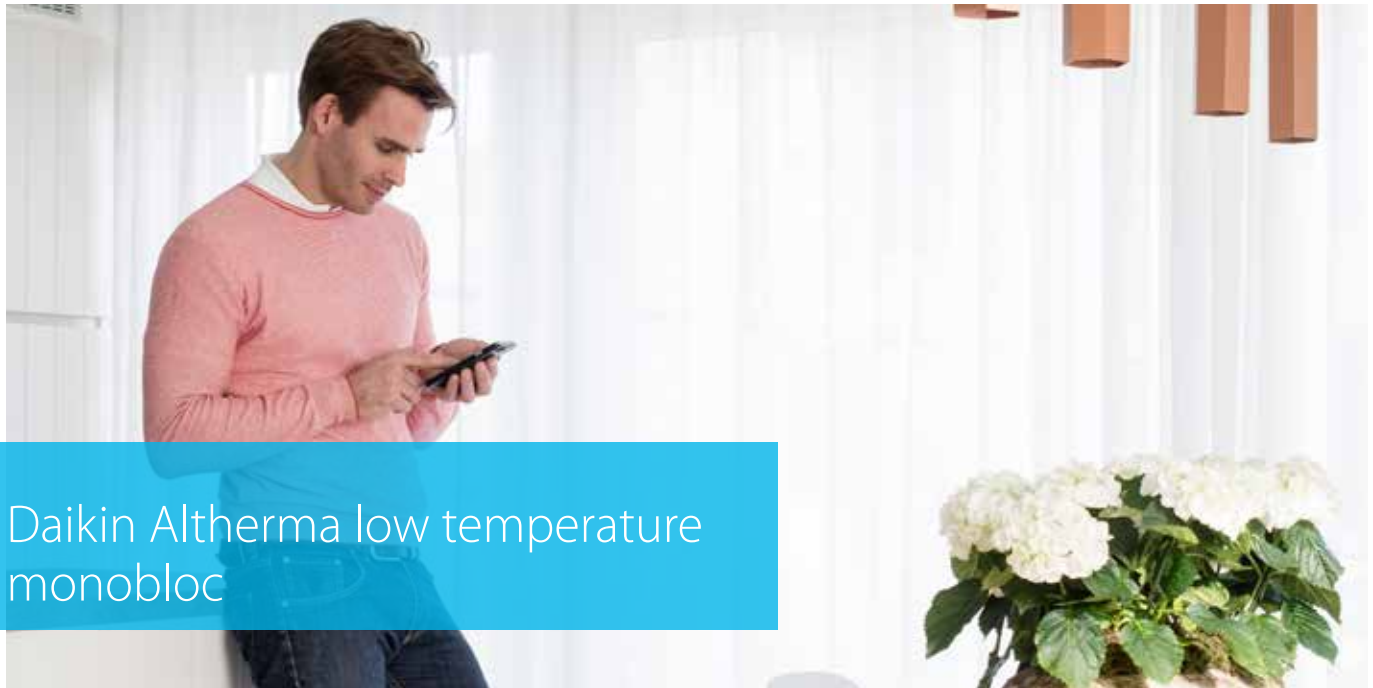
We promise to dedicate ourselves to technological excellence, a design focus and the highest quality standards so that our customers can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the forefront of low energy-usage and we will innovate to further reduce the environmental impact of our heating solutions.

From residential to collective heating solutions, from renovation to new build, we commit ourselves to answer all our customers' needs.

Our heat pump DNA combined with our in-house combustion developments positions Daikin as a leader, for now and the decades to come.





Daikin Altherma low temperature monobloc

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

A simple solution

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

High performance

- › Improved seasonal efficiency ErP label up to A++
- › High capacity at low ambient temperatures
- › Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B

Easy installation

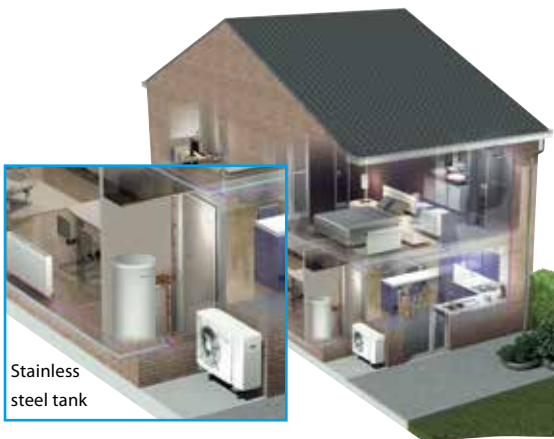
- › Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
- › Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
- › Fewer components lower the installation time and help maximise profits on the job

Year-round reliability

- › Delivers higher heating capacity at low ambient temperatures
- › Flow temperatures up to 55°C, perfect for new build applications using UFH
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- › Equipped with optional backup heater

Easy connection

- › The LAN adapter allows to control the unit via the heating app

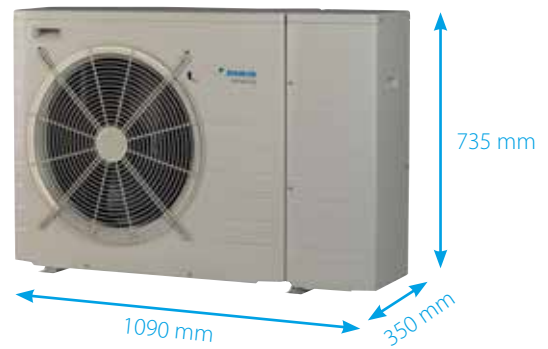


The 5-7 kW range of Daikin Altherma monobloc

A⁺⁺

55°C

- › Back-up heater less models
- › Separate indoor wiring centre (control box)
- › Separate back-up heater kit



The 11-16 kW range of Daikin Altherma monobloc

A⁺⁺

55°C

- › Smaller casing
- › Back-up heater less models and models with 3V integrated back-up heater for maximum installation flexibility
- › 1 ph and 3 ph models
- › Reversible and heating only models
- › LAN Adapter connection
- › A++ heating energy label (from G to A++)



*-36% compared to current monobloc

Daikin Altherma

low temperature monobloc

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

- › Compact reversible monobloc for space heating & cooling with optional domestic hot water
- › Compact heating only monobloc for space heating with optional domestic hot water
- › Fuss-free installation : only water connections required
- › Reliable operation even when -25°C outside thanks to frost protection features such as free hanging coil
- › COP up to 5



Single Unit				EBLQ/EDLQ	05CV3	07CV3	05CV3	07CV3
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	125			
					3.20	3.22	3.20	3.22
					A++			
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	172	163	172	163
					4.39	4.14	4.39	4.14
					A++			
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)
Cooling capacity	Nom.			kW	3.88(1) / 3.99(2)	5.20(1) / 5.15(2)	-	-
Power input	Cooling	Nom.		kW	0.950(1) / 1.93(2)	1.37(1) / 2.69(2)	-	-
	Heating	Nom.		kW	0.880(1) / 1.13(2)	1.55(1) / 2.45(2)	0.880(1) / 1.13(2)	1.55(1) / 2.02(2)
COP					5.00(1) / 3.58(2)	4.52(1) / 3.42(2)	5.00(1) / 3.58(2)	4.52(1) / 3.42(2)
EER					4.07(1) / 2.07(2)	3.80(1) / 2.10(2)	-	-
Dimensions	Unit	HeightxWidthxDepth		mm	735x1,090x350			
Weight	Unit			kg	76.0	80.0	76.0	80.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0			
	Cooling	Ambient	Min.~Max.	°CDB	10.0~43.0			
		Water side	Min.~Max.	°C	5.00 ~22.0			
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25.0 ~35.0			
Refrigerant	Water side	Min.~Max.	°C		25~80			
	Type				R-410A			
	GWP				2,088			
	Charge			kg	1.30	1.45	1.30	1.45
Sound power level	Charge			TCO2Eq	2.714	3.027	2.714	3.027
	Control				Expansion valve (electronic type)			
	Heating	Nom.		dBA	61	62	61	62
	Cooling	Nom.		dBA	63.0			
Sound pressure level	Heating	Nom.		dBA	48	49	48	49
	Cooling	Nom.		dBA	48	50	-	-

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

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

(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)

(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature monobloc without back-up heater

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++)



Single Unit				EBLQ/EDLQ	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
	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
				Seasonal space heating eff. class	A+					
	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	
			Seasonal space heating eff. class	A++		A+	A++		A+	
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			154		
Operation range (3) Heating	Ambient	Min.~Max.	°CWB		-25~35					
				Water side	25~55					
Operation range (3) Cooling (only applicable to EBLQ)	Ambient	Min.~Max.	°CDB		10~46					
				Water side	5~22					
Operation range (3) Domestic hot water	Ambient	Min.~Max.	°CDB		-25~35					
				Water side	25~80					
Refrigerant	Type				R-410A					
	GWP				2087.5					
	Charge			kg	3.40					
	Charge			TCO ₂ Eq	7.10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54

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

Back-up heater kit				EKMBUHC3V3	EKMBUHC9W1
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		560x250x210	
Weight	Unit			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.