

Daikin Altherma low temperature split



Wall mounted **heating only** air to water heat pump ideal for low energy houses

- › Energy efficient heating only system based on air to water heat pump technology
- › Perfect fit for new built as well as for low energy houses
- › Best seasonal efficiencies, providing the highest savings on running costs
- › Flexible configuration with respect to heat emitters
- › Possible to combine with domestic hot water
- › Outdoor unit extracts heat from the outdoor air, even at -25°C

Efficiency data		EHBH + ERLQ		04CB3V + 004CV3	08CB3V/9W + 006CV3	08CB3V/9W + 008CV3	11CB3V/9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity	Nom.	kW		4.40 (1) / 4.03 (2)	6.00 (1) / 5.67 (2)	7.40 (1) / 6.89 (2)	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)
Power input	Heating	Nom.		0.870 (1) / 1.13 (2)	1.27 (1) / 1.59 (2)	1.66 (1) / 2.01 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	3.42 (1) / 4.21 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP				5.04 (1) / 3.58 (2)	4.74 (1) / 3.56 (2)	4.45 (1) / 3.42 (2)	4.60 (1) / 3.55 (3) / 2.10 (4)	4.30 (1) / 2.65 (2) / 3.32 (3) / 2.08 (4)	4.25 (1) / 2.64 (2) / 3.26 (3) / 2.09 (4)	4.60 (1) / 2.75 (2) / 3.55 (3) / 2.10 (4)	4.30 (1) / 2.65 (2) / 3.32 (3) / 2.08 (4)	4.25 (1) / 2.64 (2) / 3.26 (3) / 2.09 (4)
Domestic hot water heating	General	Declared load profile										
	Average climate	η _{wh} (water heating efficiency) %										
		Water heating energy efficiency class										
Space heating	Average climate water outlet 55°C	General	SCOP η _s (Seasonal space heating efficiency) %	3.20	3.22	3.23	3.09	3.16	3.06	3.09	3.16	3.06
			Seasonal space heating eff. class	125	126		120	123	119	120	123	119
	Average climate water outlet 35°C	General	SCOP η _s (Seasonal space heating efficiency) %	4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			Seasonal space heating eff. class	178	169	171	156	153	149	156	153	149

Indoor Unit		EHBH		04CB3V	08CB3V/9W	08CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W						
Casing	Colour	White																
	Material	Precoated sheet metal																
Dimensions	Unit	HeightxWidthxDepth		mm														
Weight	Unit	kg		41	43	45	43	45	43	44	45	44	45	43	44	45	44	45
Operation range	Heating	Water side Min.~Max.		15~55				15~55										
	Domestic hot water	Water side Min.~Max.		25~80				25~80										
Refrigerant	Charge	GWP		2,087.5														
Sound power level	Nom.	dBA		40				41				44						
Sound pressure level	Nom.	dBA		26				27				30						

Outdoor Unit		ERLQ		004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	
Dimensions	Unit	HeightxWidthxDepth		735x832x307				1,345x900x320					
Weight	Unit	kg		54	56		113			114			
Compressor	Quantity	1											
	Type	Hermetically sealed swing compressor					Hermetically sealed scroll compressor						
Operation range	Cooling	Min.~Max.		10.0~43.0				10.0~46.0					
	Domestic hot water	Min.~Max.		-25~35				-20~35					
Refrigerant	Type	R-410A											
	GWP	2,087.5											
	Charge	TCO ₂ eq		3.1	3.3		7.1						
	Control	kg		1.5	1.6		3.4						
Sound power level	Heating	Nom.		dBA		61	62	64	66	69	64	66	
	Cooling	Nom.		dBA		63		64	66	69	64	66	
Sound pressure level	Heating	Nom.		dBA		48		49	50	51	52	54	
	Cooling	Nom.		dBA		48	49	50	51	52	54		
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses		A		16		20			40			

(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) Ta DB -7°C (RH85%) - LWC 35°C (4) Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases