

# Daikin Altherma low temperature split

EHBH-CB



Guaranteed  
operation  
down to -25°C

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

- › Perfect fit for new built as well as for low energy houses
- › Best seasonal efficiencies, providing the highest savings on running costs
- › Wall mounted indoor unit
- › Energy efficient heating only system based on air to water heat pump technology
- › 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

# EHBH-CB + ERLQ-CV3/CW1



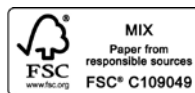
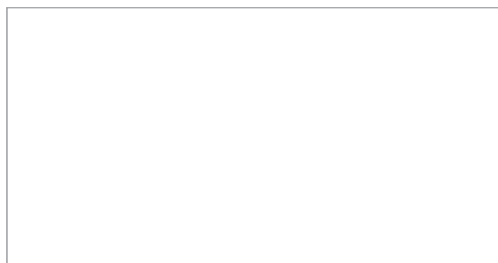
Efficiency data			EHBH + ERLQ		04CB3V + 004CV3	08CB3V/9W + 006CV3	08CB3V/9W + 008CV3	11CB3V/9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity	Nom.		kW		4.40 (1) / 4.03 (2)	6.00 (1) / 5.67 (2)	7.40 (1) / 6.89 (2)	11.2 (1) / 11.0 (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.	kW		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) / 4.10 (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) / 3.32 (3) / 2.08 (4)	4.25 (1) / 3.26 (3) / 2.09 (4)	4.60 (1) / 3.55 (3) / 2.10 (4)	4.30 (1) / 3.32 (3) / 2.08 (4)	4.25 (1) / 3.26 (3) / 2.09 (4)
Domestic hot water heating	General	Declared load profile											
	Average climate	$\eta_{wh}$ (water heating efficiency) %											
		Water heating energy efficiency class											
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.23	3.09	3.16	3.06	3.09	3.16	3.06
			$\eta_s$ (Seasonal space heating efficiency) %		125	126		120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
		$\eta_s$ (Seasonal space heating efficiency) %		178	169	171	156	153	149	156	153	149	
		Seasonal space heating eff. class		A++			A+		A++		A+		

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 890x480x344											
Weight	Unit		41	43	45	43	45	43	44	45	44	45	44	
Operation range	Heating	Water side Min.~Max.	°C 15~55				°C 15~55				°C 15~55			
	Domestic hot water	Water side Min.~Max.	°C 25~80				°C 25~80				°C 25~80			
Refrigerant	Charge	TCO <sub>2</sub> eq	-											
	GWP		2,087.5											
Sound power level	Nom.	dBA	40				41		44		41		44	
Sound pressure level	Nom.	dBA	26				27		30		27		30	

Outdoor Unit			ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1		
Dimensions	Unit	HeightxWidthxDepth	mm 735x832x307				mm 1,345x900x320							
Weight	Unit		54	56			113			114				
Compressor	Quantity		1											
	Type		Hermetically sealed swing compressor				Hermetically sealed scroll compressor							
Operation range	Cooling	Min.~Max.	°CDB 10.0~43.0				°CDB 10.0~46.0							
	Domestic hot water	Min.~Max.	°CDB -25~35				°CDB -20~35							
Refrigerant	Type		R-410A											
	GWP		2,087.5											
	Charge	TCO <sub>2</sub> eq / kg	3.1 / 1.5	3.3 / 1.6			7.1 / 3.4							
Sound power level	Heating	Nom.	dBA 61		62		64		66		64		66	
	Cooling	Nom.	dBA 63		64		66		69		64		69	
	level	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		20			

(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

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