

Daikin Altherma low temperature split

EHVX-CB



Guaranteed
operation
down to -25°C

Floor standing air to water heat pump for heating, cooling and hot water, 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
- › Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- › Energy efficient heating and cooling system based on air to water heat pump technology
- › Flexible configuration with respect to heat emitters
- › Outdoor unit extracts heat from the outdoor air, even at -25°C

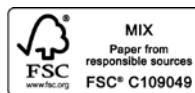
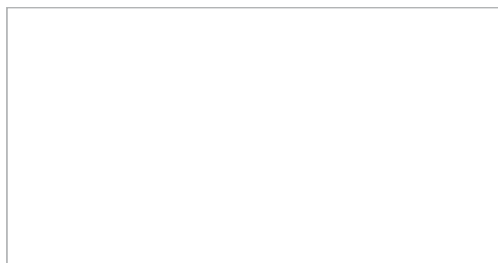
EHVX-CB + ERLQ-CV3/CW1



Efficiency data			EHVX + ERLQ		04S18 CB3V + 004 CV3	08S18CB3V / 08S26CB9W + 006CV3	08S18CB3V / 08S26CB9W + 008CV3	11S18CB3V / 11S26CB9W + 011CV3	16S18CB3V / 16S26CB9W + 014CV3	16S18CB3V / 16S26CB9W + 016CV3	11S18CB3V / 11S26CB9W + 011CW1	16S18CB3V / 16S26CB9W + 014CW1	16S18CB3V / 16S26CB9W + 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)							
Cooling capacity	Nom.		kW		4.08 (1) / 4.17 (2)	5.88 (1) / 4.84 (2)	6.20 (1) / 5.36 (2)	12.1 (1) / 11.7 (2)	12.7 (1) / 12.6 (2)	13.8 (1) / 13.1 (2)	12.1 (1) / 11.7 (2)	12.7 (1) / 12.6 (2)	13.8 (1) / 13.1 (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)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)							
	Cooling	Nom.	kW		0.900 (1) / 1.80 (2)	1.51 (1) / 2.07 (2)	1.64 (1) / 2.34 (2)	3.05 (1) / 4.31 (2)	3.21 (1) / 5.08 (2)	3.74 (1) / 5.73 (2)	3.05 (1) / 4.31 (2)	3.21 (1) / 5.08 (2)	3.74 (1) / 5.73 (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)							
EER					4.55 (1) / 2.32 (2)	3.89 (1) / 2.34 (2)	3.79 (1) / 2.29 (2)	3.98 (1) / 2.72 (2)	3.96 (1) / 2.47 (2)	3.69 (1) / 2.29 (2)	3.98 (1) / 2.72 (2)	3.96 (1) / 2.47 (2)	3.69 (1) / 2.29 (2)							
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	L	XL	L	XL						
	Average climate	Average climate		%	95.0	86.4	90.0	86.4	90.0	87.4	97.7	87.4	97.7	87.4	97.7					
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							
		η _s (Seasonal space heating efficiency)		%	125	126			120	123	119	120	123	119						
	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						
	η _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			EHVX		04S18 CB3V	08S18CB3V / 08S26CB9W	08S18CB3V / 08S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W							
Casing	Colour	White																		
	Material	Precoated sheet metal																		
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728															
Weight	Unit	kg		117	119	129	119	129	119	128	120	130	120	130	119	128	120	130	120	130
Tank	Water volume	l		180	260	180	260	180	260	180	260	180	260	180	260	180	260	180	260	
	Maximum water temperature	°C		65																
	Maximum water pressure	bar		10																
	Corrosion protection	Anode																		
Operation range	Heating	Water side	Min.~Max.	°C	15~55			15~55												
	Cooling	Water side	Min.~Max.	°C	5~22			5~22												
	Domestic hot water	Water side	Min.~Max.	°C	25~60			25~60 / 60												
Refrigerant	Charge	TCO _{2eq}		-																
	GWP	2,087.5																		
Sound power level	Nom.	dBA		42			44			42			44							
Sound pressure level	Nom.	dBA		28			30			28			30							
Outdoor Unit			ERLQ		004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1							
Dimensions	Unit	HeightxWidthxDepth		mm	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.		°CDB	10.0~43.0			10.0~46.0												
	Domestic hot water	Min.~Max.		°CDB	-25~-35			-20~-35												
Refrigerant	Type/ GWP	R-410A/ 2,087.5																		
	Charge	TCO _{2eq} /kg		3.1/ 1.5	3.3/ 1.6			7.1/ 3.4												
	Control	Expansion valve (electronic type)																		
Sound power level	Heating	Nom.		dBA	61	62	64	66	66	64	66	66								
	Cooling	Nom.		dBA	63			64	66	69	64	66	69							
Sound pressure level	Heating	Nom.		dBA	48	49	50	51	52	54	50	52	54							
	Cooling	Nom.		dBA	48	49	50	50	52	54	50	52	54							
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230																
	Current	Recommended fuses		A	16			20			40			20						

(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) 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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