

Daikin Altherma low temperature split

EHVH-CB



Guaranteed
operation
down to -25°C

Floor standing air to water heat pump for
heating 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 only 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

EHVH-CB + ERLQ-CV3/CW1



Efficiency data				EHVH + 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)	
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) / 4.21 (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) / 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		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
Water heating energy efficiency class				A									
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+				
Seasonal space heating eff. class				A++					A+		A++		A+

Indoor Unit		EHVH	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														
Weight	Unit		kg														
Tank	Water volume		116	117	127	117	127	117	126	118	128	117	126	118	128	118	128
	Maximum water temperature		°C														
	Maximum water pressure		bar														
	Corrosion protection		Anode														
Operation range	Heating	Water side Min.~Max.	°C				15~55				15~55						
	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						
Sound pressure level	Nom.	dBA	28				30				28						

Outdoor Unit		ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1					
Dimensions	Unit	HeightxWidthxDepth	mm				735x832x307				1,345x900x320					
Weight	Unit		kg				54				56					
Compressor	Quantity		1				1				1					
	Type		Hermetically sealed swing compressor				Hermetically sealed scroll 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		64		66	
	Cooling	Nom.	dBA		63		64		66		69		64		66	
Sound pressure level	Heating	Nom.	dBA		48		49		51		52		51		52	
	Cooling	Nom.	dBA		48		49		50		52		50		52	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230				V3/1~/50/230				W1/3N~/50/400					
Current	Recommended fuses	A	16		20		40		40		20		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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