



Daikin Altherma low temperature split

EHVX-CB



Guaranteed
operation
down to -20°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 -20°C

EHVX-CB + ERHQ-BV3/BW1



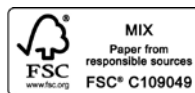
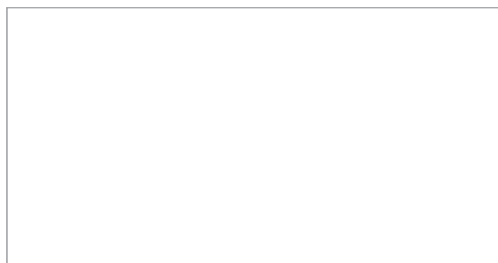
Efficiency data			EHVX + ERHQ	11S18CB3V / 11S26CB9W + 011BV3	16S18CB3V / 16S26CB9W + 014BV3	16S18CB3V / 16S26CB9W + 016BV3	11S18CB3V / 11S26CB9W + 011BW1	16S18CB3V / 16S26CB9W + 014BW1	16S18CB3V / 16S26CB9W + 016BW1
Heating capacity	Nom.	kW		11.2 (1) / 10.3 (2)	14.0 (1) / 13.1 (2)	16.0 (1) / 15.2 (2)	11.3 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.1 (1) / 15.1 (2)
Cooling capacity	Nom.	kW		13.9 (1) / 10.0 (2)	17.3 (1) / 12.5 (2)	17.8 (1) / 13.1 (2)	15.1 (1) / 11.7 (2)	16.1 (1) / 12.6 (2)	16.8 (1) / 13.1 (2)
Power input	Heating	Nom.	kW	2.55 (1) / 3.17 (2)	3.26 (1) / 4.04 (2)	3.92 (1) / 4.75 (2)	2.63 (1) / 3.24 (2)	3.42 (1) / 4.21 (2)	3.82 (1) / 4.69 (2)
	Cooling	Nom.	kW	3.86 (1) / 3.69 (2)	5.86 (1) / 5.69 (2)	6.87 (1) / 5.95 (2)	4.53 (1) / 4.31 (2)	5.43 (1) / 5.08 (2)	6.16 (1) / 5.73 (2)
COP				4.39 (1) / 3.25 (2)	4.29 (1) / 3.24 (2)	4.08 (1) / 3.20 (2)	4.30 (1) / 3.39 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.22 (2)
EER				3.60 (1) / 2.71 (2)	2.95 (1) / 2.32 (2)	2.59 (1) / 2.20 (2)	3.32 (1) / 2.72 (2)	2.96 (1) / 2.47 (2)	2.72 (1) / 2.29 (2)
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
	Average climate	Average climate		η _{wh} (water heating efficiency) %		η _{wh} (water heating efficiency) %		η _{wh} (water heating efficiency) %	
				90.5	95.3	90.5	95.3	90.5	95.3
				Water heating energy efficiency class		Water heating energy efficiency class		Water heating energy efficiency class	
				A		A		A	
Space heating	Average climate water outlet 55°C	General	SCOP	2.86	2.82	2.92	2.90	2.80	2.96
		General	η _s (Seasonal space heating efficiency) %	112	110	114	113	109	115
	Average climate water outlet 35°C	General	Seasonal space heating eff. class	A+		A+		A+	
		General	SCOP	2.99	3.23	3.29	3.08	3.34	3.33
				117	126	129	120	131	130
				A		A+		A+	

Indoor Unit			EHVX	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									
	Unit		kg	119	128	120	130	120	119	128	120	130	
Tank	Water volume		l	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									
	Cooling	Water side	Min.~Max.	°C									
	Domestic hot water	Water side	Min.~Max.	°C									
Refrigerant	Charge		TCO ₂ eq	-									
	GWP			2,087.5									
Sound power level	Nom.		dBA	42		44		42		44			
Sound pressure level	Nom.		dBA	28		30		28		30			

Outdoor Unit			ERHQ	011BV3	014BV3	016BV3	011BW1	014BW1	016BW1
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	102			108		
Compressor	Quantity			1					
	Type			Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water	Min.~Max.	°CDB	-20~35					
Refrigerant	Type / GWP			R-410A / 2,087.5					
	Charge		kg / TCO ₂ eq	2.7 / 5.6			3.0 / 6.3		
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	49	51	53	51	52	52
	Cooling	Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses		A	32			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) Contains fluorinated greenhouse gases

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