

Daikin Altherma low temperature split

EHVH-CB



Guaranteed
operation
down to -20°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 -20°C

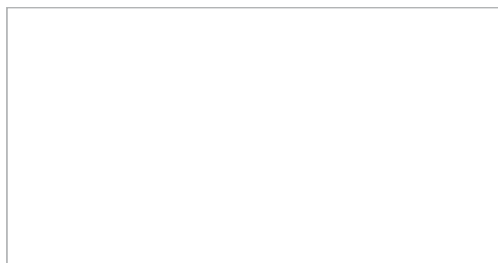
EHVH-CB + ERHQ-BV3/BW1



Efficiency data			EHVH + 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)				
Power input	Heating	Nom.	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)				
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)				
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	
	Average climate	η_{wh} (water heating efficiency)	90.5 95.3		90.5 95.3		90.5 95.3		84.3 87.3		84.3 87.3		84.3 87.3				
Water heating energy efficiency class			A														
Space heating	Average climate water outlet 55°C	General	SCOP	2.86		2.82		2.92		2.90		2.80		2.96			
			η_s (Seasonal space heating efficiency)	112		110		114		113		109		115			
	Average climate water outlet 35°C	General	SCOP	2.99		3.23		3.29		3.08		3.34		3.33			
			η_s (Seasonal space heating efficiency)	117		126		129		120		131		130			
Seasonal space heating eff. class			A		A+		A		A+		A		A+				
Indoor Unit			EHVH		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	l															
	Maximum water temperature	°C															
	Maximum water pressure	bar															
	Corrosion protection	Anode															
Operation range	Heating	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.	42		44		42		44									
Sound pressure level	Nom.	28		30		28		30									
Outdoor Unit			ERHQ		011BV3		014BV3		016BV3		011BW1		014BW1		016BW1		
Dimensions	Unit	HeightxWidthxDepth	mm				1,170x900x320				1,345x900x320						
Weight	Unit	kg															
Compressor	Quantity	1															
	Type	Hermetically sealed scroll compressor															
Operation range	Cooling	Min.~Max.	°CDB														
	Domestic hot water	Min.~Max.	°CDB														
Refrigerant	Type/ GWP	R-410A / 2,087.5															
	Charge	TCO ₂ eq/kg				5.6 / 2.7				6.3 / 3.0							
Sound power level	Heating	Nom.	64		66		64		66								
			64		66		64		66								
	Cooling	Nom.	64		66		64		66								
			64		66		64		66								
Sound pressure level	Heating	Nom.	49		51		53		51								
			49		51		53		51								
Power supply	Name/Phase/Frequency/Voltage	Hz/V															
		V3/1~/50/230				W1/3N~/50/400				20							
Current	Recommended fuses	A															

(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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