

Daikin Altherma low temperature split

EHBH-CB



Guaranteed
operation
down to -20°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 -20°C

EHBH-CB + ERHQ-BV3/BW1



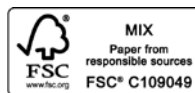
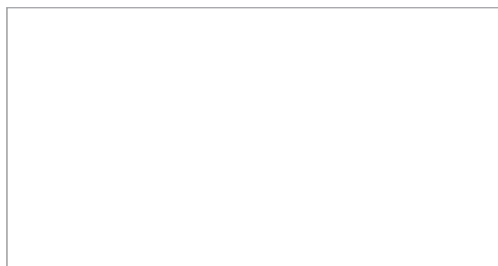
Efficiency data			EHBH + ERHQ	11CB3V/9W + 011BV3	16CB3V/9W + 014BV3	16CB3V/9W + 016BV3	11CB3V/9W + 011BW1	16CB3V/9W + 014BW1	16CB3V/9W + 016BW1	
Heating capacity	Nom.		kW	11.2 (1) / 10.3 (2)	14.0 (1) / 13.1 (2)	16.0 (1) / 15.2 (2)	11.3 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.1 (1) / 15.1 (2)	
Power input	Heating	Nom.	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)	
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		-						
	Average climate	η_{wh} (water heating efficiency)		-						
			Water heating energy efficiency class		-					
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	
			Seasonal space heating eff. class	A+						
	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+	

Indoor Unit		EHBH	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W				
Casing	Colour	White										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	890x480x344									
Weight	Unit	kg	43	44	45	44	45	43	44	45	44	45
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.	dBA	41	44		41		44				
Sound pressure level	Nom.	dBA	27	30		27		30				

Outdoor Unit		ERHQ	011BV3	014BV3	016BV3	011BW1	014BW1	016BW1				
Dimensions	Unit	HeightxWidthxDepth	mm			1,170x900x320						
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	R-410A										
	Charge	kg	2.7					3.0				
		TCO ₂ eq	5.6					6.3				
		GWP	2,087.5									
		Control	Expansion valve (electronic type)									
Sound power level	Heating	Nom.	dBA		64		66		64		66	
	Cooling	Nom.	dBA		64		66		64		66	
Sound pressure level	Heating	Nom.	dBA		49		51		53		51	
	Cooling	Nom.	dBA		50		52		54		50	
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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