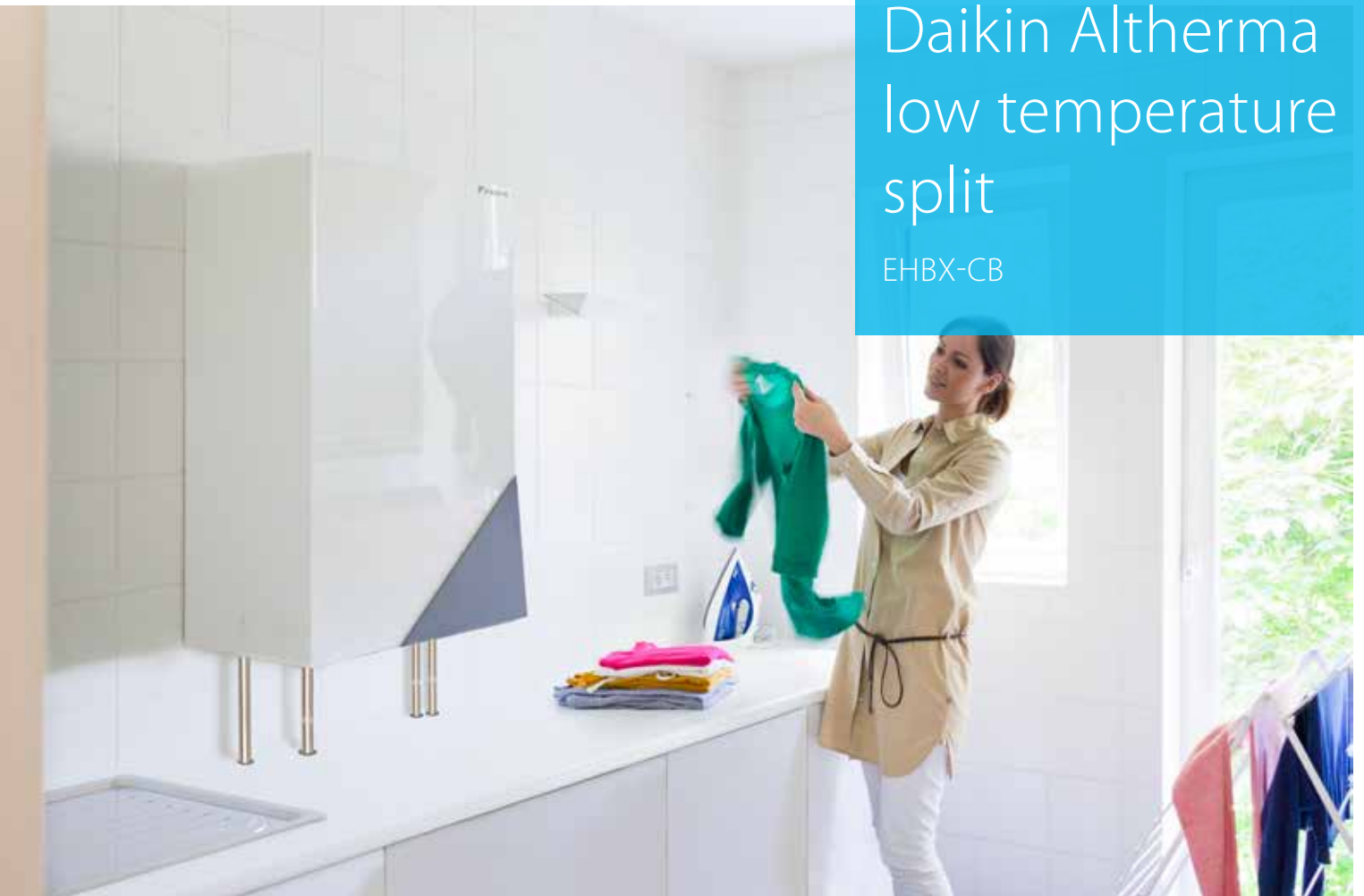


# Daikin Altherma low temperature split

EHBX-CB



Guaranteed  
operation  
down to -20°C

Wall mounted reversible 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 and cooling 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

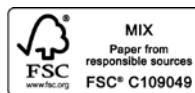
# EHBX-CB + ERHQ-BV3/BW1



Efficiency data				EHBX + 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)							
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		-												
	Average climate	$\eta_{wh}$ (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							
				$\eta_s$ (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							
				$\eta_s$ (Seasonal space heating efficiency)	117	126	129	120	131	130						
				Seasonal space heating eff. class	A	A+			A	A+						
<b>Indoor Unit</b>				<b>EHBX</b>	<b>11CB3V/9W</b>	<b>16CB3V/9W</b>	<b>16CB3V/9W</b>	<b>11CB3V/9W</b>	<b>16CB3V/9W</b>	<b>16CB3V/9W</b>						
Casing	Colour	White														
	Material	Precoated sheet metal														
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344												
Weight	Unit		kg	43	45	44	46	44	46	43	45	44	46	44	46	
Operation range	Heating	Water side	Min.~Max.	15~55												
	Cooling	Water side	Min.~Max.	5~22												
	Domestic hot water	Water side	Min.~Max.	25~80												
Refrigerant	Charge	TCO <sub>2</sub> eq		-												
	GWP			2,087.5												
Sound power level	Nom.		dB(A)	41	44				41	44						
Sound pressure level	Nom.		dB(A)	27	30				27	30						
<b>Outdoor Unit</b>				<b>ERHQ</b>	<b>011BV3</b>	<b>014BV3</b>	<b>016BV3</b>	<b>011BW1</b>	<b>014BW1</b>	<b>016BW1</b>						
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 <sub>2</sub> eq		2.7 / 5.6					3.0 / 6.3							
	Control	Expansion valve (electronic type)														
Sound power level	Heating	Nom.	dB(A)	64				66	64				66			
	Cooling	Nom.	dB(A)	64	66		69	64	66		69					
Sound pressure level	Heating	Nom.	dB(A)	49	51		53	51	52		54					
	Cooling	Nom.	dB(A)	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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