

# Daikin Altherma low temperature split

EHSX-B / ERLQ-CV3/W1



Solar ready



Fresh hot water



Guaranteed operation down to -25°C

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Inverter controlled swing compressor

# EHSX-B / ERLQ-CV3/W1

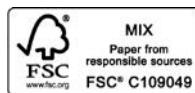
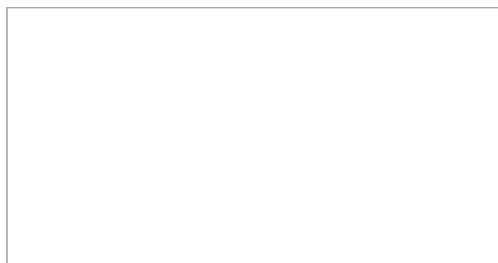


Indoor Unit		EHSX/EHSH	04P30B	08P50B	08P30B	08P50B	16P50B					
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)										
	Material	Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth	mm	1,890x615x595	1,890x790x790	1,890x615x595	1,890x790x790		1,945 / 1,890x790x790			
Weight	Unit		kg	84	111	84	111	116	113			
Tank	Water volume		l	294	477	294			477			
Operation range	Heating	Ambient	Min.~Max.	-25~-25				85		-25~-35		
		Water side	Min.~Max.					15~-55				
	Cooling	Ambient	Min.~Max.	10~43								
		Water side	Min.~Max.	5~22				~~~				
Domestic hot water	Ambient	Min.~Max.	°CDB				-25~-35					
	Water side	Min.~Max.	°C				25~-55					
Refrigerant	Type		R-410A									
	Charge		kg	1.5		1.6			3.4			
			TCO <sub>2</sub> eq									
	Control		Electronic expansion valve / Inverter									
	GWP											
Sound power level	Nom.		dB(A)						40			
Sound pressure level	Nom.		dB(A)						28			

Efficiency data		EHSX/EHSH + ERLQ	04P30B + 004CV3	08P50B + 006CV3	08P30B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1	
Heating capacity	Nom.		kW											
Heating capacity	Nom.		kW											
Power input	Heating	Nom.	kW											
	Cooling	Nom.	kW											
COP														
EER														
Piping connections	Liquid	Quantity	1											
		Type	Flare connection											
	Gas	Quantity	1											
		Type	Flare connection											
Drain	Quantity	2												
	Type	Hole												
Space heating	Average climate water outlet 55°C	General	ns (Seasonal space heating efficiency) %		132		126		128		130		127	
		General	ns (Seasonal space heating eff. class)		A++		-		-		-		-	
	Average climate water outlet 35°C	General	ns (Seasonal space heating efficiency) %		-		-		-		-		-	
		General	ns (Seasonal space heating eff. class)		-		-		-		-		-	
Domestic hot water heating	General	Declared load profile	L	XL	L	90	96	XL						
	Average climate	n <sub>wh</sub> (water heating efficiency) %	103	102	98	90	96	83						
		Water heating energy efficiency class	A											

Outdoor Unit		ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1			
Dimensions	Unit	HeightxWidthxDepth	mm											
Weight	Unit		kg											
Compressor	Quantity		1											
	Type		Hermetically sealed swing 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		R-410A											
	GWP		2,087.5											
Charge		TCO <sub>2</sub> eq	3.1			3.3			7.1					
		kg	1.5			1.6			3.4					
Sound power level	Heating	Nom.	dB(A)				61		62		64		66	
		Nom.	dB(A)				63		64		66		69	
	Cooling	Nom.	dB(A)				48		49		51		52	
Sound pressure level	Heating	Nom.	dB(A)				48		49		51		52	
	Cooling	Nom.	dB(A)				48		49		51		52	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230											
Current	Recommended fuses	A	16			20			40					

**Daikin Europe N.V.** Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN16-754A 06/16



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.