



Daikin Altherma low temperature split

EHSX-A



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, maximising renewable energy and offering top comfort in heating, hot water and cooling
- › Solar support of domestic hot water with unpressurised (drain-back) solar system
- › Lightweight plastic tank with exceptional hygienic benefits
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C

EHSX-A + ERLQ-CV3/CW1



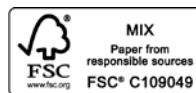
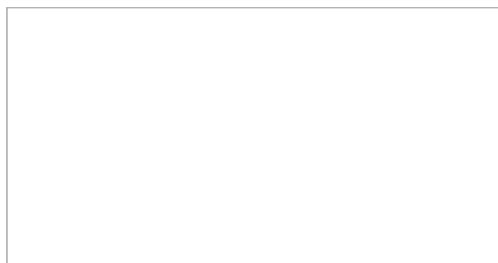
Efficiency data		EHSX + ERLQ	04P30A	08P30A	08P50A	08P30A	08P50A	16P50A	16P50A	16P50A	16P50A	16P50A	16P50A
			+	+	+	+	+	+	+	+	+	+	+
			004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Heating capacity	Nom.	kW	4.53 / 3.98 / 4.26 / 3.47	6.06 / 5.78 / 5.14 / 4.60	7.78 / 7.27 / 5.53 / 5.51	11.80 / 10.40 / 5.95 / 7.74	14.80 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74	14.80 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74	14.80 / 13.73 / 8.28 / 9.57
Cooling capacity	Nom.	kW	4.4 / 4.0	5.2 / 4.6	15.1 / 11.7	16.1 / 12.6	16.8 / 13.1	15.1 / 11.7	16.1 / 12.6	16.8 / 13.1	15.1 / 11.7	16.1 / 12.6	16.8 / 13.1
Power input	Heating	Nom.	0.87 / 1.04 / 1.49 / 0.85	1.30 / 1.58 / 1.88 / 1.26	1.69 / 2.04 / 1.98 / 1.56	2.57 / 3.03 / 2.49 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.03 / 2.49 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.03 / 2.49 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.03 / 2.49 / 2.35	3.42 / 4.07 / 3.17 / 2.93
	Cooling	Nom.	1.05 / 1.41	1.43 / 1.85	4.55 / 4.30	5.44 / 5.10	6.18 / 5.72	4.55 / 4.30	5.44 / 5.10	6.18 / 5.72	4.55 / 4.30	5.44 / 5.10	6.18 / 5.72
COP			5.23 / 3.84 / 2.85 / 4.07	4.65 / 3.66 / 2.73 / 3.64	4.60 / 3.57 / 2.78 / 3.54	4.38 / 3.32 / 2.45 / 3.29	4.27 / 3.34 / 2.58 / 3.22	4.10 / 3.22 / 2.44 / 3.15	4.38 / 3.32 / 2.45 / 3.29	4.27 / 3.34 / 2.58 / 3.22	4.10 / 3.22 / 2.44 / 3.15	4.38 / 3.32 / 2.45 / 3.29	4.27 / 3.34 / 2.58 / 3.22
EER			4.21 / 2.85	3.65 / 2.51	3.32 / 2.72	2.96 / 2.47	2.72 / 2.29	3.32 / 2.72	2.96 / 2.47	2.72 / 2.29	3.32 / 2.72	2.96 / 2.47	2.72 / 2.29
Space heating	Average climate water outlet 55°C	General	^{η_s} Seasonal space heating efficiency %	132	126	128	A++						
	Average climate water outlet 35°C	General	^{η_s} Seasonal space heating efficiency %	-	-	-	-						
Domestic hot water heating	General	Declared load profile		L	XL	L	XL						
	Average climate	^{η_{wh}} (water heating efficiency) %		103	98	102	90	96	83				
Water heating energy efficiency class				A									

Indoor Unit		EHSX	04P30A	08P30A	08P50A	08P30A	08P50A	16P50A					
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)											
	Material	Impact resistant polypropylene											
Dimensions	Unit	HeightxWidthxDp	mm	1,945x615x595	1,945x790x790	1,945x615x595	1,945x790x790						
Weight	Unit	kg	87	114	87	114	116						
Tank	Water volume	l	300	500	300	500							
	Maximum water temperature	°C	85								-		
Operation range	Heating	Ambient	Min.~Max.	°C			-25~25		-25~35				
		Water side	Min.~Max.	°C			15~55		-				
	Cooling	Ambient	Min.~Max.	°CDB			10~43		-				
		Water side	Min.~Max.	°C			5~22		---				
Domestic hot water	Ambient	Min.~Max.	°CDB			-25~35		-					
	Water side	Min.~Max.	°C			25~55		-					
Refrigerant	Type	R-410A											
	Charge	kg/TCO ₂ eq	1.5/-	1.6/-			3.4/-						
	Control	Electronic expansion valve / Inverter											
GWP	2,087.5												
Sound power level	Nom.	dBA	40										
Sound pressure level	Nom.	dBA	28										

Outdoor Unit		ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	
Dimensions	Unit	HeightxWidthxDp	mm	735x832x307				1,345x900x320				
Weight	Unit	kg	54	56			113		114			
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/ GWP	R-410A / 2,087.5										
	Charge	kg/TCO ₂ eq	1.5 / 3.1	1.6 / 3.3			3.4 / 7.1					
	Control	Expansion valve (electronic type)										
Sound power level	Heating	Nom.	dBA	61	62		64	66	64	66		
	Cooling	Nom.	dBA	63			64	66	69	64	66	
Sound pressure level	Heating	Nom.	dBA	48	49		51	52	51	52		
	Cooling	Nom.	dBA	48	49		50	52	54	50	52	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	011CV3, 014CV3, 016CV3				011CW1, 014CW1, 016CW1			008CV3		
Current	Recommended fuses	A	16			20		40		20		

Condition 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) | Condition 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) | EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB | EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB | Contains fluorinated greenhouse gases

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



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

CEPEN16-754 10/15



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.