



Daikin Altherma low temperature split

EHSB-B / ERLQ-CV3/W1

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

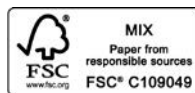
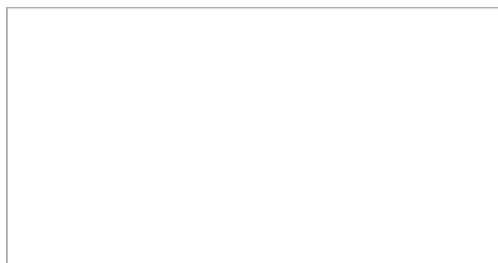
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water 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
- › Inverter controlled swing compressor

EHSB-B / ERLQ-CV3/W1



Indoor Unit		EHSB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B												
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)																		
	Material	Impact resistant polypropylene																		
Dimensions	Unit	HeightxWidthxDepth	mm									1,945 / 1,890x790x790								
Weight	Unit		kg									113								
Tank	Water volume		l									477								
	Maximum water temperature		°C									85								
Operation range	Heating	Ambient	Min.~Max. °C					-25~25												
		Water side	Min.~Max. °C					15~55												
	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 ₂ eq	-																		
	Control	Electronic expansion valve / Inverter																		
	GWP	-																		
Sound power level	Nom.	dBA										40								
Sound pressure level	Nom.	dBA										28								
Efficiency data		EHSB + ERLQ	04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1							
Heating capacity	Nom.	kW	4.26 / 3.47 / 4.53 / 3.98	5.14 / 4.60 / 6.06 / 5.78	5.53 / 5.51 / 7.78 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27	5.95 / 5.95 / 7.74 / 7.27							
Power input	Heating	Nom.	0.87 / 1.04 / 1.49 / 1.05	1.30 / 1.58 / 1.88 / 1.26	1.69 / 2.04 / 1.98 / 1.56	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33	2.57 / 3.13 / 2.45 / 2.33							
	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	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29	4.30 / 3.32 / 2.45 / 3.29							
Piping connections	Liquid	Quantity	1																	
		Type	Flare connection																	
	OD	mm									6.35	9.52								
	Gas	Quantity	1																	
		Type	Flare connection																	
Drain	Quantity	mm									2	3								
	Type	Hole																		
	OD	mm											1x ø15 + 1x ø20	26						
Space heating	Heat insulation		Both liquid and gas pipes																	
	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency) %		130	125	127	125	126	125	126	125	125							
			Seasonal space heating eff. class		A++															
	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency) %		-															
			Seasonal space heating eff. class		-															
Domestic hot water heating	General		Declared load profile																	
	Average climate	η _{wh} (water heating efficiency) %	L	XL	L	XL	XL													
	Water heating energy efficiency class		103	98	102	90	96	83												
			A																	
Outdoor Unit		ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1									
Dimensions	Unit	HeightxWidthxDepth	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								
	Domestic hot water	Min.~Max.	°CDB									-25~35								
Refrigerant	Type											R-410A								
	GWP											2,087.5								
	Charge	TCO ₂ eq	3.1	3.3				7.1												
	kg		1.5	1.6				3.4												
Sound power level	Heating		Nom. dBA																	
	Cooling		Nom. dBA																	
			Nom. dBA																	
Sound pressure level	Heating		Nom. dBA																	
	Cooling		Nom. dBA																	
Power supply	Name/Phase/Frequency/Voltage		Hz/V									V3/1~/50/230			W1/3N~/50/400					
Current	Recommended fuses		A									16			20			40		

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