



Daikin Altherma low temperature split

EHSXB-B / ERLQ-CV3/W1



Solar ready



Fresh hot water



Guaranteed operation down to -25°C

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

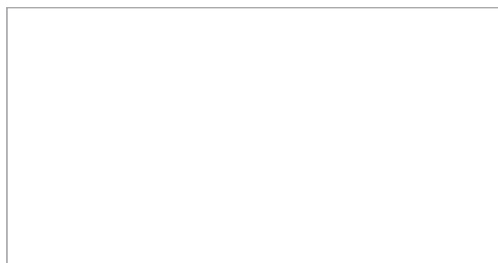
- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella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

EHSXB-B / ERLQ-CV3/W1



Indoor Unit			EHSXB	04P30B	08P30B	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						
Weight	Unit		kg	89	116	89	116		118						
Tank	Water volume		l	294		294			477						
	Maximum water temperature		°C							85					
Operation range	Heating	Ambient	Min.~Max.							-25~-25					
		Water side	Min.~Max.							15~-55					
	Cooling	Ambient	Min.~Max.							10~43					
		Water side	Min.~Max.							5~22					
Domestic hot water	Ambient	Min.~Max.							-25~35						
	Water side	Min.~Max.							25~55						
Refrigerant	Type									R-410A					
	Charge		kg	1.5	1.6						3.4				
	Control		TCO ₂ eq												
	GWP			Electronic expansion valve / Inverter											
Sound power level	Nom.		dBA							40					
	Nom.		dBA							28					
Efficiency data			EHSXB + 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 / 7.74 / 10.80 / 10.40	14.81 / 13.73 / 8.28 / 9.57	5.34 / 14.86 / 8.04 / 10.05	5.95 / 7.74 / 10.80 / 10.40	8.28 / 9.57 / 14.81 / 13.73	8.04 / 10.05 / 15.34 / 14.86			
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	
Power input	Heating	Nom.	kW	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 / 3.15 / 2.49 / 2.35	3.42 / 4.07 / 3.07 / 2.99	3.42 / 4.07 / 3.07 / 2.99	4.55 / 4.30	5.44 / 5.10	6.18 / 5.72	4.55 / 4.30	5.44 / 5.10	6.18 / 5.72
	Cooling	Nom.	kW	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	
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	4.70 / 3.22 / 2.44 / 3.15	4.38 / 3.32 / 2.45 / 3.29	4.27 / 3.34 / 2.58 / 3.22	4.70 / 3.22 / 2.44 / 3.15			
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	
Piping connections	Liquid	Quantity								1					
		Type								Flare connection					
	OD	mm							6.35						
	Gas	Quantity								1					
Type									Flare connection						
OD	mm							15.90							
Drain	Quantity								2						
	Type								Hole						
OD	mm	1x ø15 + 1x ø20													
Heat insulation				Both liquid and gas pipes											
	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency) %	132	126			128			130	127	128	130	127
		General	η _s (Seasonal space heating efficiency) %	A++											
	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency) %	-											
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	108	90	99	84							
	Water heating energy efficiency class		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						10.0~46.0					
	Domestic hot water	Min.~Max.	°CDB	-25~35						-20~35					
Refrigerant	Type									R-410A					
	GWP									2,087.5					
Charge	TCO ₂ eq		kg	3.1	3.3						7.1				
	kg		kg	1.5	1.6						3.4				
Sound power level	Heating	Nom.	dBA							Expansion valve (electronic type)					
		Nom.	dBA	61						62					
	Cooling	Nom.	dBA	63						64					
		Nom.	dBA	49						51					
Sound pressure level	Heating	Nom.	dBA	48						49					
	Cooling	Nom.	dBA	48						49					
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230						W1/3N~/50/400					
	Recommended fuses	A		16						20					

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