



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

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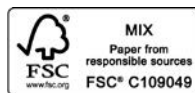
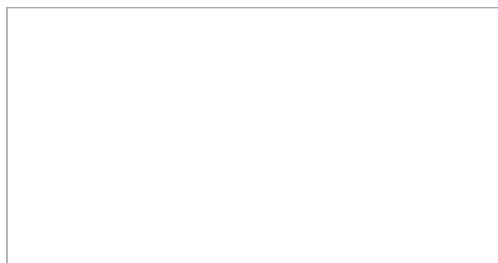


Indoor Unit		EHSX/EHSH	04P30B	08P50B	08P30B	08P50B	16P50B				
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,890x615x595	1,890x790x790	1,890x615x595	1,890x790x790		1,945 / 1,890x790x790		
Weight	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 ₂ 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	6.35								9.52									
		Type	Flare connection																	
Drain	Quantity	2								3										
	Type	Hole																		
	OD	1x ø15 + 1x ø20								26										
Heat insulation		Both liquid and gas pipes																		
Space heating	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency) %		132		126		128		130		127		128		130		127	
	Average climate water outlet 35°C	General	η _s (Seasonal space heating efficiency) %						A++											
Domestic hot water heating	General	Declared load profile		L		XL						XL								
	Average climate	η _{wh} (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		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		3.1		3.3				7.1					
	kg		1.5		1.6				3.4					
Sound power level	Heating	Nom.	61		62		64		66		64		66	
	Cooling	Nom.	63		63		64		66		64		66	
Sound pressure level	Heating	Nom.	48		49		51		52		51		52	
	Cooling	Nom.	48		49		50		52		50		52	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230											
Current	Recommended fuses	A	16		20				40					

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