

Daikin Altherma low temperature split

EHSB-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 and hot water with thermal solar support

- › 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
- › Bivalent system: combinable with a secondary heat source
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Inverter controlled swing compressor

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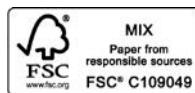
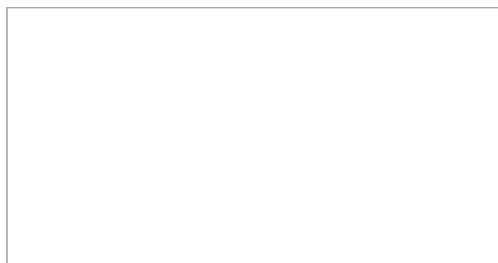


Indoor Unit		EHSB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B			
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm			1,890x790x790					
Weight	Unit		kg			118					
Tank	Water volume		l			477					
	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		
			TCO ₂ eq			-			3.4		
Control	GWP	-									
		Electronic expansion valve / Inverter									
Sound power level	Nom.	dBA			40			28			
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				
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				
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				
Piping connections	Liquid	Quantity	1													
		Type	Flare connection													
	OD	mm			6.35			9.52			-					
	Gas	Quantity	1													
Type		Flare connection														
Drain	Quantity	mm			2			15.90			3					
	Type	Hole														
Space heating	Heat insulation	OD	1x ø15 + 1x ø20													
			Both liquid and gas pipes													
	Average climate water outlet 55°C	General	η _{sp} (Seasonal space heating efficiency) %		130		125		127		125		126		125	
		General	Seasonal space heating eff. class		A++		-		-		-		-		-	
Average climate water outlet 35°C	General	η _{sp} (Seasonal space heating efficiency) %		-		-		-		-		-		-		
	General	Seasonal space heating eff. class		-		-		-		-		-		-		
Domestic hot water heating	General	Declared load profile		L		XL		L		99		XL		84		
	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						
Compressor	Quantity	1													
	Type	Hermetically sealed swing 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						
			kg			1.5			1.6						
Sound power level	Heating	Nom.	dBA			61			62			64		66	
		Nom.	dBA			63			64			66		69	
	Cooling	Nom.	dBA			48			49			49		52	
		Nom.	dBA			48			49			49		52	
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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