



# 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

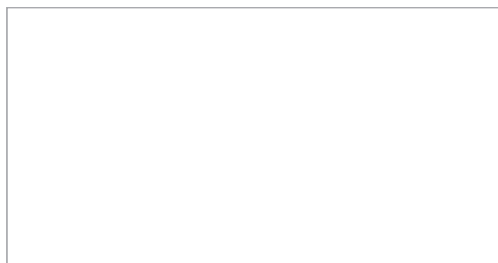
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water 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 <sub>2</sub> 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 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73	5.95 / 5.93 / 8.04 / 7.73		
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 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35	2.57 / 3.13 / 2.45 / 2.35		
	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	4.38 / 3.32 / 2.45 / 3.29	4.38 / 3.32 / 2.45 / 3.29	4.38 / 3.32 / 2.45 / 3.29	4.38 / 3.32 / 2.45 / 3.29	4.38 / 3.32 / 2.45 / 3.29	4.38 / 3.32 / 2.45 / 3.29	4.38 / 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												
	OD	mm									15.90				
Drain	Quantity	2													
	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	<i>η<sub>s</sub></i> (Seasonal space heating efficiency) %	130	125	127	125	126	125	126	125	126	125		
			Seasonal space heating eff. class	A++											
	Average climate water outlet 35°C	General	<i>η<sub>s</sub></i> (Seasonal space heating efficiency) %	-											
			Seasonal space heating eff. class	-											
Domestic hot water heating	General		Declared load profile	L	XL	L	XL								
	Average climate	<i>η<sub>wh</sub></i> (water heating efficiency) %	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 <sub>2</sub> eq	3.1	3.3				7.1							
		kg	1.5	1.6				3.4							
	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	50	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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