



Daikin Altherma low temperature split

EHSB-A



Guaranteed
operation down
to -25°C

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

- › Bivalent system: combinable with a secondary heat source
- › Integrated solar unit, maximising renewable energy and offering top comfort in heating and hot water
- › Solar support of domestic hot water with unpressurised (drainback) solar system
- › Lightweight plastic tank with exceptional hygienic benefits
- › App control possible for managing heating and hot water operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C

EHSB-A + ERLQ-CV3/CW1



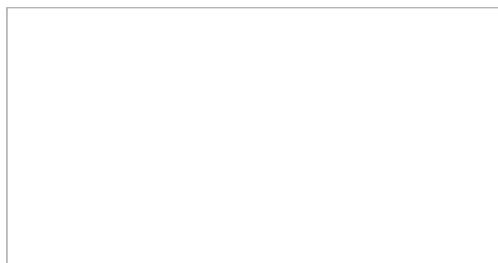
Efficiency data		EHSB + ERLQ		04P30A + 004CV3	08P30A + 006CV3	08P50A + 006CV3	08P30A + 008CV3	08P50A + 008CV3	16P50A + 011CV3	16P50A + 014CV3	16P50A + 016CV3	16P50A + 011CW1	16P50A + 014CW1	16P50A + 016CW1
Heating capacity	Nom.	kW		4.53 / 3.98 / 4.26 / 3.47	6.06 / 5.78 / 5.14 / 4.60		7.78 / 7.27 / 5.53 / 5.51		11.80 / 10.40 / 5.95 / 7.74	14.80 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74	14.80 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05
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 / 3.13 / 2.48 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.13 / 2.48 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.13 / 2.48 / 2.35	3.42 / 4.07 / 3.17 / 2.93
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	4.10 / 3.22 / 2.44 / 3.15	4.38 / 3.32 / 2.45 / 3.29	4.27 / 3.34 / 2.58 / 3.22	4.10 / 3.22 / 2.44 / 3.15
Space heating	Average climate	General	η_{sp} (Seasonal space heating efficiency)	%		130	125	127	125	126	125	126	125	125
	water outlet 55°C		Seasonal space heating eff. class						A++					
Domestic hot water heating	Average climate	General	η_{wh} (water heating efficiency)	%										
		Declared load profile				L	XL	L	99	XL				
Water heating energy efficiency class						103	98	108	90	84				
										A				

Indoor Unit		EHSB		04P30A	08P30A	08P50A	08P30A	08P50A	16P50A			
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)										
	Material	Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth		mm		1,945x615x595	1,945x790x790	1,945x615x595	1,945x790x790			
Weight	Unit	kg		92	119	92	119	121				
Tank	Water volume	l		300	500	300	500					
	Maximum water temperature	°C						85				
Operation range	Heating	Ambient	Min.~Max.	°C		-25~25				-25~35		
		Water side	Min.~Max.	°C		15~55				-25~35		
	Domestic hot water	Ambient	Min.~Max.	°CDB		25~55						
Refrigerant	Type	R-410A										
	Charge	kg		1.5	1.6		3.4					
Control	GWP	-										
		Electronic expansion valve / Inverter										
Sound power level	Nom.	dBA		2,087.5				40				
	Nom.	dBA		28								

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		1.5	1.6		3.4					
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	54	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		20		

Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | EW 30°C, LW 35°C; ambient conditions: -7°CDB/-8°CWB | EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB | Contains fluorinated greenhouse gases

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