



# Daikin Altherma low temperature split

EHSH-A



Guaranteed  
operation down  
to -25°C

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

- › Integrated solar unit, maximising renewable energy and offering top comfort in heating and hot water
- › Solar support of domestic hot water with unpressurised (drain-back) 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



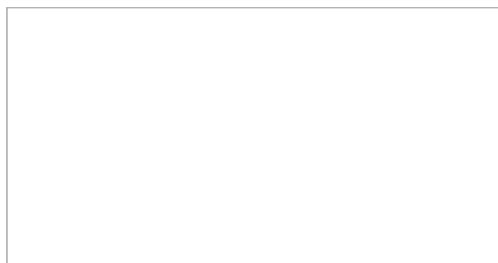
Efficiency data			EHSB + ERLQ		04P30A	08P30A	08P50A	08P30A	08P50A	16P50A	16P50A	16P50A	16P50A	16P50A	16P50A
			+		+	+	+	+	+	+	+	+	+	+	+
			004CV3		006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1	016CW1
Heating capacity	Nom.	kW	4.53 / 3.98 / 4.26 / 3.47	6.06 / 5.78 / 5.14 / 4.60	7.78 / 7.27 / 5.53 / 5.51	11.80 / 10.40 / 5.95 / 7.74	14.81 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74	14.81 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74	14.81 / 13.73 / 8.28 / 9.57	15.34 / 14.86 / 8.04 / 10.05	11.80 / 10.40 / 5.95 / 7.74
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 / 3.33 / 2.43 / 2.35	3.42 / 4.07 / 3.17 / 2.93	2.57 / 3.33 / 2.43 / 2.35	3.42 / 4.07 / 3.17 / 2.93	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
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										
Space heating	Average climate water outlet 55°C	General	$\eta_{\text{Seasonal space heating efficiency}}$ %	130	125		127		125	126		125		126	125
			Seasonal space heating eff. class						A++						
Domestic hot water heating	Average climate	General	$\eta_{\text{Seasonal space heating efficiency}}$ %						-						
			Seasonal space heating eff. class						-						
Domestic hot water heating	General	Declared load profile			L	XL	L				XL				
	Average climate	$\eta_{\text{wh}}$ (water heating efficiency) %		103	98	102	90	96			83				
		Water heating energy efficiency class									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	87	114	87	116
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
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~-35			-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	2,087.5						
Sound power level	Nom.			dB(A)				40
Sound pressure level	Nom.			dB(A)				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	kg	3.1		3.3			7.1				
		TCO <sub>2</sub> eq	1.5		1.6			3.4				
	Control	Expansion valve (electronic type)										
Sound power level	Heating	Nom.	dB(A)		61		62	64	66	64	66	
	Cooling	Nom.	dB(A)		63			64	66	69	64	66
Sound pressure level	Heating	Nom.	dB(A)		48		49	51	52	51	52	
	Cooling	Nom.	dB(A)		48	49	50	50	52	54	50	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	011CV3, 014CV3, 016CV3				011CW1, 014CW1, 016CW1			008CV3		
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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