



Daikin Altherma low temperature split

EHFH-D3V / EHFZ-D3V +
ERLA-DV

Floor standing air to water heat pump for heating
and hot water, ideal for low energy houses

- › Combined domestic hot water tank and heat pump
- › Small installation footprint of 600x600mm
- › Easy access to PCB board and hydraulic components
- › Heating only air to water heat pump
- › Bi-zone allows temperature monitoring for 2 zones

EHFH-D3V / EHFZ-D3V + ERLA-DV



EHFH-D3V / EHFZ-D3V



ERLA-DV

Efficiency data		EHFH-D3V + ERLA-DV		03S18D3V + 03DV		03S18D3V + 03DV	
Heating capacity	Nom.		kW			3.59 (1) / 3.53 (2)	
Power input	Heating	Nom.	kW			0.720 (1) / 1.21 (2)	
Cooling capacity	Nom.		kW			3.44 (1) / 3.49 (2)	
COP						5.00 (1) / 2.94 (2)	
EER						5.60 (1) / 3.03 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP			3.23	
			ns (Seasonal space heating efficiency)			126	
			Seasonal space heating eff. class			A++	
	Average climate water outlet 35°C	General	SCOP			4.40	
			ns (Seasonal space heating efficiency)			173	
			Seasonal space heating eff. class			A++	
Domestic hot water heating	General climate	Declared load profile				L	
		Average	η _{wh} (water heating efficiency)			110	
		Climate	Water heating energy efficiency class			A	

(1) 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) | (2) Condition 5: Cooling Ta35°C - LWE 7°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT = 8°C) | (3) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Indoor Unit		EHFH-D3V/EHFZ-D3V		03S18D3V		03S18D3V	
Casing	Colour					White + Black	
	Material					Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm			1,655x595x625	
Weight	Unit		kg	119		125	
Tank	Water volume		l			180	
	Maximum water temperature		°C			60	
	Maximum water pressure		bar			10	
	Corrosion protection					Pickling	
Operation range	Heating	Ambient	Min.~Max.	°C	0 (1)~0 (1)		
		Water side	Min.~Max.	°C	0 (1)~0 (1)		
	Cooling	Ambient	Min.~Max.	°CDB	0 (1)~0 (1)		
		Water side	Min.~Max.	°C	0 (1)~0 (1)		
	Domestic hot water	Ambient	Min.~Max.	°CDB	0 (1)~0 (1)		
		Water side	Min.~Max.	°C	0 (1)~0 (1)		
Sound power level	Nom.		dBA			42 (2)	
Sound pressure level	Nom.		dBA			28 (3)	

(1) Refer to operation range of the unit. | (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (3) Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | PED unit category: Art353; excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Heatloss according to EN12897 | Including piping + PHE + back-up heater; excluding expansion vessel | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation).

Outdoor Unit		ERLA-DV		03DV		03DV	
Dimensions	Unit	HeightxWidthxDepth	mm			550x765x285	
Weight	Unit		kg			35.0	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling	Min.~Max.	°CDB			10~43	
	Domestic hot water	Min.~Max.	°CDB			-15~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge		kg			1.00	
	Charge		TCO ₂ eq			0.675	
	Control					Expansion valve	
Sound power level	Heating	Nom.	dBA			59 (3)	
	Cooling	Nom.	dBA			60 (3)	
Sound pressure level	Heating	Nom.	dBA			46 (3)	
	Cooling	Nom.	dBA			46 (3)	
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1N~/50/220-240	
Current	Recommended fuses		A			16	

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