

Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating, domestic hot water** and **optionally cooling**.
 Ideal for limited installation space.

- › WLAN cartridge connection standard included
- › Possible to combine with domestic hot water tanks
- › Heating only or reversible models available
- › Monobloc all-in-one concept including all hydraulic parts
- › Optional plug & play integrated 3 kW electric back-up heater
- › Available in one phase



Single Unit					EDLA04E(3)V3	EBLA04E(3)V3	EDLA06E(3)V3	EBLA06E(3)V3	EDLA08E(3)V3	EBLA08E(3)V3	
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.90 (2)	7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1) / 1.26 (2)	0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	
Cooling capacity	Nom.			kW	-	4.86 (1) / 4.52 (2)	-	5.83 (1) / 5.09 (2)	-	6.18 (1) / 5.44 (2)	
Power input	Heating	Nom.		kW	-	0.82 (1) / 1.36 (2)	-	1.08 (1) / 1.55 (2)	-	1.19 (1) / 1.73 (2)	
EER					-	5.91 (1) / 3.32 (2)	-	5.40 (1) / 3.28 (2)	-	5.19 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		127	129	127	128	130	131	
			SCOP		3.26	3.29	3.26	3.28	3.32	3.35	
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		176	179	176	178	179	181	
			SCOP		4.48	4.54	4.47	5.52	4.56	4.61	
					Seasonal space heating eff. class						
					A++						
					A+++						
Casing	Colour	Ivory white									
	Material	Zinc coated low carbon steel									
Dimensions	Unit	HeightxWidthxDepth	mm								
			770 x 1,250 x 362								
Weight	Unit	kg									
		EV3: 88, E3V3: 91									
Compressor	Quantity	1									
	Type	Hermetically sealed swing compressor									
Operation range	Heating	Ambient	Min.~Max.	°CWB	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35	
		Water side	Min.~Max.	°C	EV3: 9 ~ 65 / E3V3: 15 ~ 65						
	Cooling	Ambient	Min.~Max.	°CDB	-	10 ~ 43	-	10 ~ 43	-	10 ~ 43	
		Water side	Min.~Max.	°C	-	5 ~ 22	-	5 ~ 22	-	5 ~ 22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-27 ~ 35						
		Water side	Min.~Max.	°C	25 ~ 55						
Refrigerant	Type	R-32									
	GWP	675									
	Charge		kg								
			1.85								
	Charge		TCO2Eq								
		0.91									
	Control	Expansion valve									
Sound power level	Heating	Nom.		dB(A)	58		60		62		
Power supply	Name/Phase/Frequency/Voltage	Hz/V									
		V3/1~/50/230									
Current	Recommended fuses	A									
		20									
		25									

(1) Cooling Ta 35°C - LWA 18°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (2) Cooling Ta 35°C - LWA 7°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT=5°C). This product contains fluorinated greenhouse gases.

*Domestic hot water in combinations with stainless steel tank EK-HWS(U)-D and ECH₂O thermal store EK-HWP-(P)B.

Combination table and options

			R-32 small monobloc			
			Without back-up heater		With back-up heater	
			Rev	H/O	Rev	H/O
			EBLA04EV3	EDLA04EV3	EBLA04E3V3	EDLA04E3V3
			EBLA06EV3	EDLA06EV3	EBLA06E3V3	EDLA06E3V3
EBLA08EV3	EDLA08EV3	EBLA08E3V3	EDLA08E3V3			
Type	Description	Material name				
Controls	Madoka wired room thermostat	BRC1HHDAK/S/W	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•
	LAN Adapter + PV Solar	BRP069A61	•	•	•	•
	LAN Adapter	BRP069A62	•	•	•	•
	Universal centralized controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	•	•	•	•
	WLAN cartridge	BRP069A78	•	•	•	•
Multi-zoning controls	Digital wired room thermostat	EKWCTRD1V3	•	•	•	•
	Analog wired room thermostat	EKWCTRAN1V3	•	•	•	•
	Actuator	EKWCVATR1V3	•	•	•	•
	Multi-zoning base station (10 channels)	EKWUFHTA1V3	•	•	•	•
Sensors	EKWCVATR1V3	KRCS01-1	• (1)	• (1)	• (1)	• (1)
	Multi-zoning base station (10 channels)	EKRSCA1	• (1)	• (1)	• (1)	• (1)
	EKWUFHTA1V3	EKRTEFSB	• (2)	• (2)	• (2)	• (2)
	Temperature sensor for EKHWS-D	EKTESE1	•	•	•	•
	Temperature sensor for EKHWP-(P)B	EKTESE2	•	•	•	•
Domestic hot water	DHW tank	EKHWS(U)-D(3)V3	•	•	•	•
	Thermal stores	EKHWP500(P)B	•	•	•	•
	Third party tank kit	EKHY3PART	• (3)	• (3)	• (3)	• (3)
	Third party tank kit	EKHY3PART2	• (4)	• (4)	• (4)	• (4)
Heat pump convector	Floor standing	FWXV15/20/25*	• (5)	• (5)	• (5)	• (5)
	Wall mounted	FWXT15/20/25*	• (5)	• (5)	• (5)	• (5)
	Concealed	FWXM15/20/25*	• (5)	• (5)	• (5)	• (5)
Other options	Back-up heater kit	EKLBHUCB6W	• (6)	•		
	By-pass kit	EKMBHBP1	• (6)			
	Bizone kit	EKMIKPOA	•	•	•	•
		EKMIKPHA	•	•	•	•
	Digital I/O PCB	EKRPIHBAA	• (7)	• (7)	• (7)	• (7)
	Demand PCB	EKRPIAHTA	•	•	•	•
	Freeze protection valve	AFVALVE1	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•
	Smart grid relay kit (high voltage)	EKRELSG	•	•	•	•
Flow switch	EKEFLSW2	• (8)	• (8)	• (8)	• (8)	

(1) Only 1 sensor can be connected: indoor OR outdoor sensor.

(2) Can only be used in combination with the wireless room thermostat EKRTR(1).

(3) EKHY3PART can be used if you have a tank in which you can insert a thermistor.

(4) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

(5) Multi combination (quantity, depends on capacity class). EKVHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).

(6) Check 'EKMBHBP1 necessity drawing' to decide to install it in combination with reversible models, in order to avoid sweat on the back-up heater.

(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(8) Mandatory if glycol is used.