



Παγκόσμιος Ηγέτης στο **Ιδανικό** Κλίμα.

Υβριδική Αντλία Θερμότητας



Κεντρικά γραφεία Βενιζέλου 5
Έκθεση Βενιζέλου 3 & Αριστείδου 40
55133 Καλαμαριά, Θεσσαλονίκη
Τ.2310440844

info@klimamichaniki.gr | www.klimamichaniki.gr



Daikin Altherma H Hybrid

The best of 2 worlds

Heat pump



H₂O



Condensing boiler



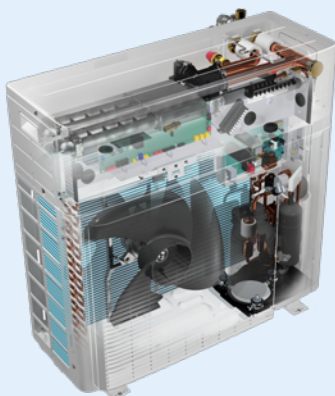
Environmentally friendly

- Reduced environmental impact thanks to the usage of **R-32 refrigerant**
- Outdoor unit with **sealed refrigerant circuit**, which greatly reduces the risk of refrigerant leakage



Easy & Quick installation

All hydraulics components are outside.



No F-gas licence required

Only water connections between outdoor and indoor unit. Therefore no F-gas certification is needed for the installer.

Safety in every conditions

The unit can work down to -15 °C outside thanks to multiple freeze-up protections



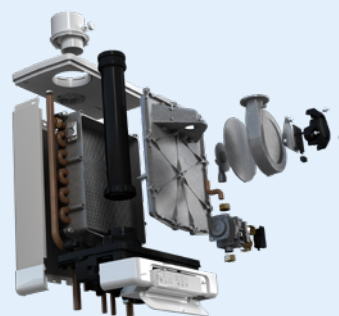
Flexible installation

Compact indoor unit can be installed in a cupboard.



Condensing technology

The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.



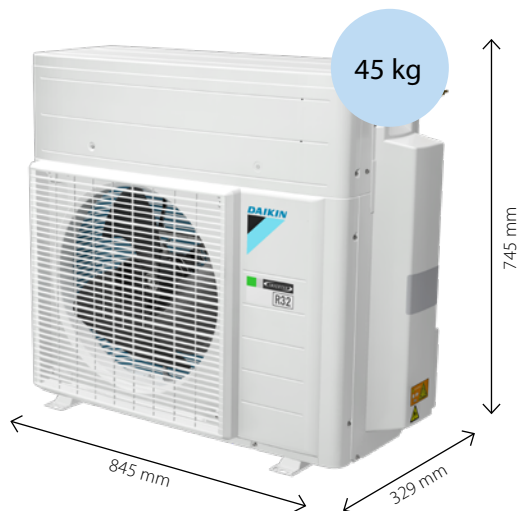
Plug & play

No need of other parts, the pump group is integrated inside.

Installation possibilities

To improve domestic hot water efficiency, you can combine the Daikin Altherma H Hybrid with multiple tank options:

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW

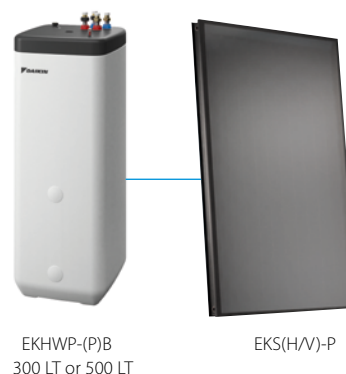


The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW



Pressureless tanks with solar support

Connect your unit to a ECH₂O thermal store and take advantage of the energy of the sun.



Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs.



Controllers

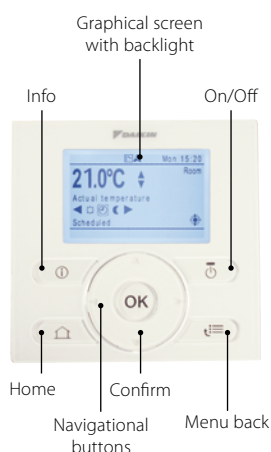
EKRUHML1/2

Control

- Manage space heating and domestic hot water and among others, booster mode
- User-friendly remote control with contemporary design
- Easy to use with direct accessibility to all main functions

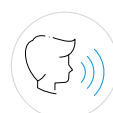
Comfort

- An additional user interface can include a room thermostat in the space to be heated
- Easy commissioning: intuitive interface for advanced menu settings



Onecta App

The Onecta App is a multifaceted programme that allows customers to control and monitor the status of their heating system.



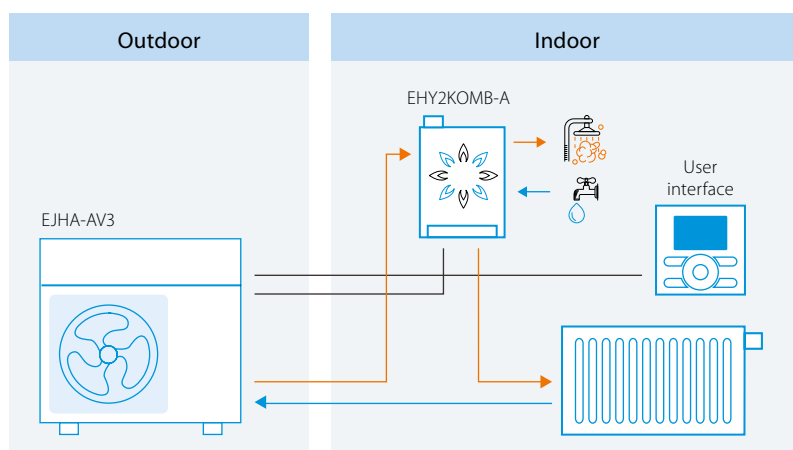
Control your heating system with your voice



Applications

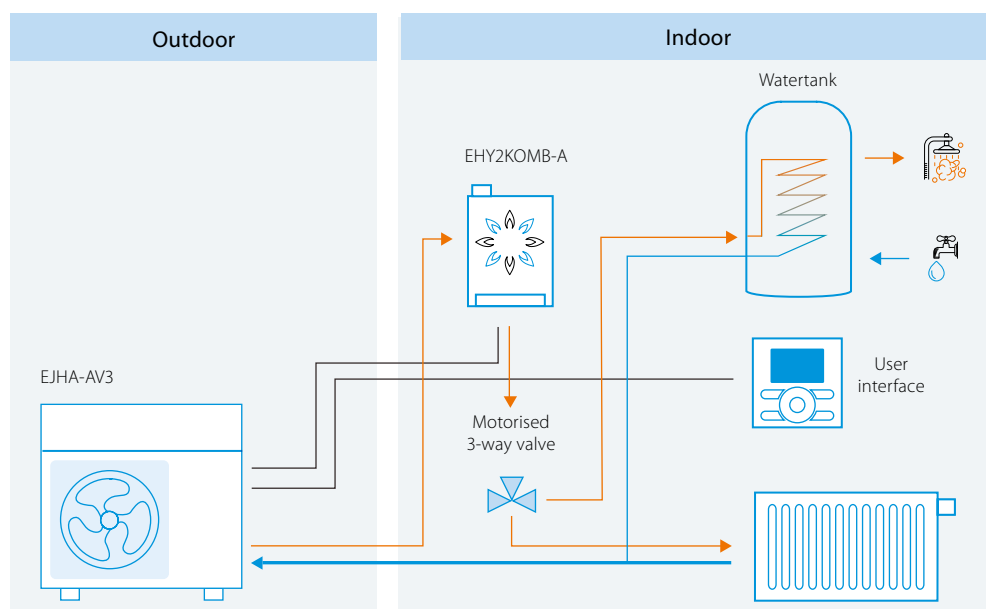
1. Standard Hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



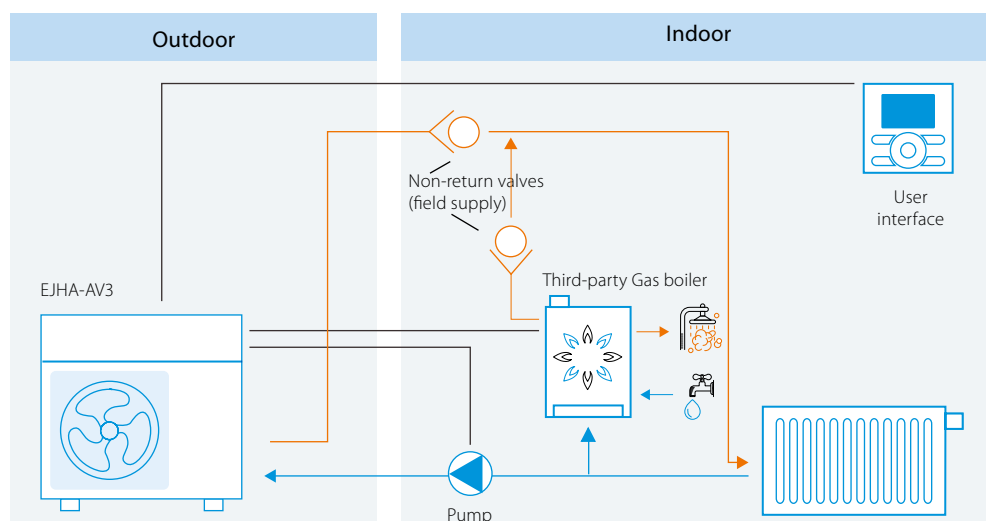
1.1 Standard Hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide higher efficiencies of domestic hot water produced either by the heat pump or by the boiler.



2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.



Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water**

- Heating only models
- Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- Easy and fast installation thanks to the compact dimensions and water connections



011-1W0293



EHY2KOMB-A



EJHA-AV3



up to

**R-32**

Efficiency data					EHY2KOMB28AA + EJHA04AAV3		EHY2KOMB32AA + EJHA04AAV3	
Heating capacity	Nom.			kW		3.83 (1)		
Power input	Heating	Nom.		kW		0.85 (1)		
COP						4.49 (1)		
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26		3.28	
			η _{sp} (Seasonal space heating efficiency)	%		128		
			Seasonal space heating eff. class					
			SCOP		4.14		4.15	
	Average climate water outlet 35 °C	General	η _{sp} (Seasonal space heating efficiency)	%		163		
			Seasonal space heating eff. class					
			Declared load profile			XL		
			η _{wh} (water heating efficiency)	%		87		
Domestic hot water heating	General	Declared load profile						
	Average climate	Water heating energy efficiency class						

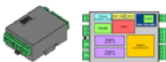
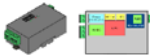
Indoor unit					EHY2KOMB28AA		EHY2KOMB32AA	
Central heating	Heat input Q _n (net calorific value)	Nom	Min/Max	kW	7.10/23.70		7.60/27	
	Output P _n at 80/60 °C	Nom		kW	23.10		26.60	
	Efficiency	Net calorific value 80/60		%	98		99	
	Efficiency	Net calorific value 37/30 (30%)		%		108		
	Operation range	Min/Max		°C		30/90		
Domestic hot water	Output	Min/Nom		kW	7.10/29.10		7.60/32.70	
	Water flow	Rate 40/10 °C		l/min	12.50		15	
	Operation range	Min/Max		°C		40/65		
Gas	Connection	Diameter		mm		15		
	Consumption	Min/Max		m ³ /h (G20)	0.74/3.02		0.79/3.39	
	Consumption (G31)	Min/Max		m ³ /h	0.28/1.15		0.30/1.29	
Supply air	Connection			mm		100		
	Concentric					1		
Flue gas	Connection			mm		60		
Casing	Colour					White - RAL9010		
	Material					Precoated sheet metal		
Dimensions	Unit	HxWxD	Casing	mm	650x450x240		710x450x240	
Weight	Unit	Empty		kg	33		36	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230		
Electrical power consumption	Max.			W		110		
	Standby			W		2		

Outdoor unit					EJHA04AAV3			
Dimensions	Unit	HxWxD		mm		745x845x329		
Weight	Unit			kg		45		
Compressor	Quantity					1		
	Type					Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CWB			-14~25		
	Type					R-32		
	GWP					675		
	Charge			kg		0.56		
	Charge			TCO2Eq		0.38		
Sound power level	Heating	Nom.		dB(A)		58.70		
Sound pressure level	Heating	Nom.		dB(A)		37		
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/220-240		
Current	Recommended fuses			A		20		

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C).

This product contains fluorinated greenhouse gases.

Options - system

Group		Description	Material name	Pair Hybrid	Add-on Hybrid
Controllers		User interface: English – Dutch – Italian – French	EKRUIHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUIHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO(2)	•	•
		Gateway 2: Modbus version	DCOM-LT/MB(2)	•	•
		LAN + PV Solar	BRP069A61	•	•
		LAN only	BRP069A62	•	•
		Wired room thermostat	EKRTWA	•	
		Wireless room thermostat	EKRTRB	•	
		External room sensor	EKRTETS(4)	•	
Sensor		Remote outdoor sensor	EKRSCA1(3)	•	•
Other		Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Bottom plate heater (dedicated type)	EKBPH04JH	•	•
		Ball valves	EKBALLV1	•	•
		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2		•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3rd party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKEPHYHT35H	•	
		Freeze protection valve for field piping	AFVALVEHY2	•	•

(2) Compatible with EKRUIHML user interface.

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

(4) Can only be used in combination with the wireless room thermostat EKRTRB.

Options - boiler

Accessory		Sales region	Material name	  EHY2KOMB28AA EHY2KOMB32AA	
Boiler options		IT, ES, CZ, GR, PL, PT	EKFJM1A	•	
		IT, ES, CZ, GR, PL, PT	EKFJL1A		•
		FR, BE	EKFJM2A	•	
		FR, BE	EKFJL2A		•
		DE	EKFJM6A	•	
		DE	EKFJL6A		•
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•
		DE	EKVK6A	•	•
		All	EKFL1A	•	•
		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKHY090717	•	•
Eccentric connection Ø 80		All	EKHY090707	•	•
Dongle set (wireless connection from PC to boiler)		All	EKDS1A	•	•
Cover plates		All	EKCP1A	•	•
		All	EKHY093467(1)	•	•
Propane sets (G31)		All	EKHY075787		•
		All	EKPS075867	•	
Conversion kits (G25)		DE, BE, FR	EKPS076217	•	
		DE, BE, FR	EKPS076227		•

(1) Cannot be used in combination with B-packs.

Flue gas connections	Type	Material name
	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 l=10 M	EKFGP6346
	Extension Flex PP 100 l=15 M	EKFGP6349
	Extension Flex PP 100 l=25 M	EKFGP6347
	Extension Flex PP 130 l=30 M	EKFGS0250
	Extension Flex PP 80 l=10 M	EKFGP6340
	Extension Flex PP 80 l=15 M	EKFGP6344
	Extension Flex PP 80 l=25 M	EKFGP6341
	Extension Flex PP 80 l=50 M	EKFGP6342
	Extension PP 60 x 500	EKFGP5461
	Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
	Extension PP/GLV 60/100 x 500 mm	EKFGP4651
	Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
	Extension PP/GLV 80/125 x 500 mm	EKFGP4801
	Extension P BM-Air 80 x 500	EKFGW4001
	Extension P BM-Air 80 x 1,000	EKFGW4002
	Extension P BM-Air 80 x 2,000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227

Type	Material name
Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Plume Managment Kit 60 (UK Only)	EKFGP1294
PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
PMK Elbow 60 90 (UK Only)	EKFGP1284
PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
Spacer PP 80-100	EKFGP6333
Support Breaket Top Inox Dn.100	EKFGP6337
Support Breaket Top Inox Dn.130	EKFGP6353
Tee Flex 100 Boiler Connection set 1	EKFGP6368
Tee Flex 130 Boiler Connection set 1	EKFGP6215
Thermistor recirculator	EK TH2
Wall Bracket Dn.100	EKFGP4481
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit PP/GLV 60/100	EKFGP1292
Wall Terminal Kit PP/GLV 80/125	EKFGW6359
Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
Weather Slate Flat Alu 60/100	EKFGP6940
Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 80/125	EKFGW5333
Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
Wall term Mugro STD 60/100 Telescopic	DRWTER760100AA

Flue gas connections

