



# Daikin Altherma H Hybrid

Hybrid heat pump



The right balance



# Why choose Daikin Altherma Hybrid heat pump?

## TIME TO RETHINK HEATING

- > **Automatic switch** between heat pump, gas boiler or hybrid operations - always selecting the most economical mode.
- > **Low running costs** for heating and hot water compared to traditional boilers
- > Heat your existing home with **up to 60% renewable energy** without changing your radiators
- > Ideal for **renovation** applications
- > **Easy and fast** installation
- > Secure for future changes in gas and electricity prices
- > **Low cost of investment** and a **higher return** than a typical savings account

It's simple really – the Daikin Altherma H Hybrid heat pump, with its use of a gas condensing boiler to deliver superior performance, offers a high level of all-year-round comfort with optimal use of the different technologies.

It is programmed to automatically select the right mix of the technologies to maximise the energy efficiency and deliver perfect comfort levels.

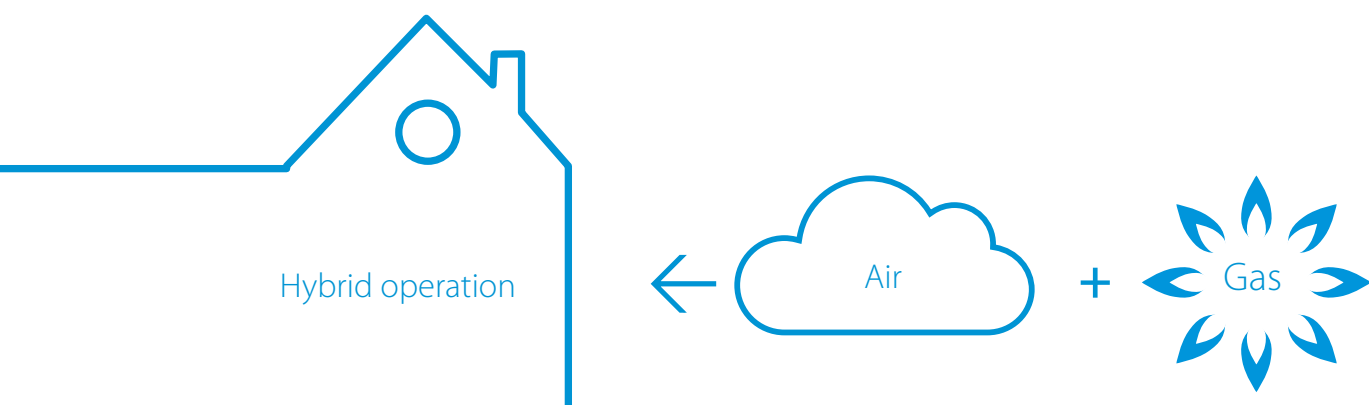
## What is an air-to-water heat pump?

The Daikin Altherma air-to-water heat pump uses a sustainable and renewable energy source. It extracts free heat from the outside air. In a closed loop containing a refrigerant, a thermodynamic cycle is created through evaporation, condensation, compression and expansion. This thermodynamic process will bring free heat from outside to the inside of your house.

## What is condensing boiler technology?

Condensing boiler technology converts waste energy from the flue gases into usable heat, virtually without loss. This is good for both the environment and your wallet. Lower energy consumption means lower heating costs, less use of energy resources and a reduction in CO<sub>2</sub> emissions.

How does it work? Flue gas is cooled, condensing the steam it contains. The energy released in this process is used as heating energy.



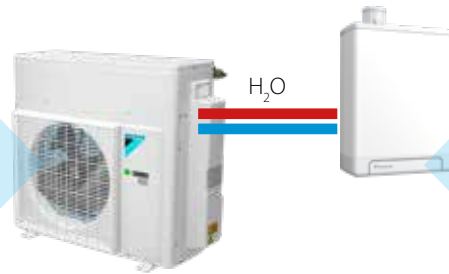


# The hydrosplit concept, The best of 2 worlds



Heat pump

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  $-15^{\circ}\text{C}$  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 NOx and CO, to ensure high cost savings and environmentally-friendly operation.



## Plug & play

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

## BLUEEVOLUTION

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

# 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 32kW
- › Easy and fast installation thanks to the compact dimensions and water connections



011-1W0313  
011-1W0314

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
			ηs (Seasonal space heating efficiency)			128	
			Seasonal space heating eff. class			A++	
Space heating	Average climate water outlet 35°C	General	SCOP	4.14			4.15
			ηs (Seasonal space heating efficiency)			163	
			Seasonal space heating eff. class			A++	
Domestic hot water heating	General	Declared load profile				XL	
	Average climate		ηwh (water heating efficiency)			87	
			Water heating energy efficiency class			A	
Indoor unit				EHY2KOMB28AA		EHY2KOMB32AA	
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	7.1 / 23.7		7.6 / 27.0	
	Output Pn at 80/60°C	Min/Nom		23.1		26.6	
	Efficiency	Net calorific value 80/60		98		99	
	Efficiency	Net calorific value 37/30 (30%)				108	
	Operation range	Min/Max				30 / 90	
Domestic hot water	Output	Min/Nom		7.1 / 29.1		7.6 / 32.7	
	Water flow	Rate 40°C	Nom	12.5		15.0	
	Operation range	Min/Max				40/65	
Gas	Connection	Diameter				15	
	Consumption (G20)	Min/Max		0.74 / 3.02		0.79 / 3.39	
	Consumption (G31)	Min/Max		0.28 / 1.15		0.30 / 1.29	
Supply air	Connection					100	
	Concentric					1	
Flue gas	Connection					60	
Casing	Colour					White - RAL9010	
	Material					Precoated sheet metal	
Dimensions	Unit	HxWxD	Casing	650x450x240		710x450x240	
Weight	Unit	Empty		33		36	
Power supply	Phase/Frequency/Voltage					1~/50/230	
Electrical power consumption	Max.					110	
	Standby					2	
Outdoor unit				EJHA04AAV3			
Dimensions	Unit	HxWxD		745x845x329			
Weight	Unit			45			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Heating	Min.~Max.	°CWB	-14~25			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	0.56			
	Charge		TCO2Eq	0.38			
Sound power level	Heating	Nom.	dBA	58.7			
Sound pressure level	Heating	Nom.	dBA	37			
Power supply	Name/Phase/Frequency/Voltage			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.