



The World Leading Heat Pump Company



THE GREENER WAY TO HEAT YOUR HOT WATER



IDEAL FOR LOW ENERGY HOMES



INSTALL A NEW HOT WATER SYSTEM OR REPLACE AN OLD ONE



SPLIT TYPE DOMESTIC HOT WATER HEAT PUMP

NEW **ALTHERMA R HW** HOT WATER RE-DESIGNED

EKHHP-AB2V3 + ERWQ-AV3

Ideal for those looking for energy efficient water heating

The Altherma R HW domestic hot water heat pump is the best replacement for an electric hot water cylinder. Featuring 85% hydropower for a greener, more energy efficient approach to heating your domestic hot water supply.



COMFORT

Fresh water principle:

The pressureless water tank is an ideal hygienic solution since the domestic hot water circuit is separated from water storage.

As a result of the continuous hot water flow in the INOX heat exchanger there is no corrosion or scale build up.



EASY INSTALLATION

- Pressureless water tank and limited pressure in the heat exchanger.
- Low maintenance: no anode means no scale and lime deposits or corrosion.
- Compact and designed with additional controls for easy installation, operation and maintenance.

The Greener Choice

Altherma Heating Systems harness the power of water and renewable energy for efficient, future thinking hot water and home heating solutions.



RELIABILITY

- Electrical backup (2.0 kW) ensures hot water under all circumstances.
- By just using the heat pump, the temperature of the water can reach up to 55°C and its production is guaranteed down to -15°C.



ENERGY EFFICIENCY

- Heat pump extracts renewable energy from the outside air to produce hot water.
- Increase energy saving and efficiency by connecting the unit to solar panels.



HOT WATER IN AN EFFICIENT WAY

KEY FEATURES:

- Domestic hot water is heated almost immediately.
- All main components of the hot water storage tank (refrigerant connections, electric booster, water connections and user interface) are installed at the top of the tank for easy access.
- Low maintenance: No anode means no scale and lime deposits or corrosion.
- The controller is easy to use and is included in the unit.

SPLIT INVERTER HEAT PUMP:

- Renewable (use of outside air).
- Flexible installation up to 20m of refrigerant piping length.
- Swing Inverter compressor driven to optimize performance.
- Only 1.05 kg refrigerant charge.
- 47 dB(A) Sound pressure (nominal).



EKHHP300AB2V3



ERWQ02AAV3



55°C

-15°C*

*Minimum ambient temperature of operation.

SPECIFICATIONS

MODEL		EKHHP300AB2V3 (Indoor Unit) ERWQ02AAV3 (Outdoor Unit)		
Efficiency	COP	4.30 ⁽¹⁾		
Indoor Unit EKHHP300AB2V3	Casing	Colour	Traffic white (RAL9016) / dark grey (RAL7011)	
	Dimensions	Unit (Height x Width x Depth)	mm	1,772 x 595 x 615
	Weight	Unit	kg	70
	Tank	Water volume	l	294
		Maximum water temperature	°C	85
	Operation range (Domestic Hot Water)	Ambient (Min.~ Max.)	°CDB	2 ~ 35
		Water Side (Min.~ Max.)	°C	5 ~ 55
Refrigerant	Type	R-410A		
Outdoor Unit ERWQ02AAV3	Dimensions	Unit (Height x Width x Depth)	mm	550 x 765 x 285
	Weight	Unit	kg	35
		Quantity		
	Compressor	Type	Hermetically sealed swing compressor	
		Operation range	Domestic hot water (Min. ~ Max.)	°CDB
	Refrigerant	Type	R-410A	
		GWP	2,087.5	
		Charge	kg	1.05
	Piping Length	OU-IU (Max.)	m	20
		System (Chargless)	m	20
	Level Difference	IU-OU (Max.)	m	15
	Piping Connection	Liquid (OD)	mm	6.35 (Flare connection)
		Gas (OD)	mm	9.50 (Flare connection)
Sound pressure level	Heating Nom.	dBA	47	
	Night Quiet Mode (Heating)	dBA	44	
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 230	

Polypropylene casing,
resistant to corrosion
and shocks



Polyurethane
insulation of
5 cm to 8 cm

Stainless steel INOX
heat exchanger for
hot water production

(1) At 7°C ambient temperature.

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