

Daikin Altherma R HW



Why choose a split domestic hot water heat pump ?

The split domestic hot water heat pump is the ideal replacement for an electric domestic hot water tank to provide semi-instantaneous hot water.

✓ Comfort

Fresh water principle:

- › Domestic hot water production on demand means fresh water at all times
- › Minimum volume of stored domestic hot water prevents the risk of contamination and sedimentation

Easy installation

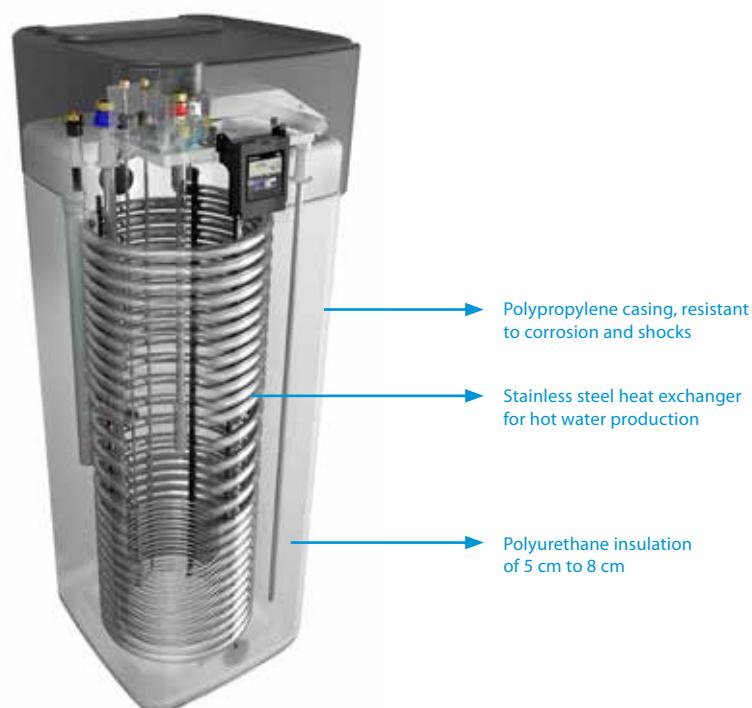
- › No water tank pressure and limited pressure in the heat exchanger
- › Low maintenance: no anode means no scale and lime deposits or corrosion
- › Compact and designed with additional controls for easy installation and maintenance

✓ Reliability

- › Electrical backup (2.5 kW) ensures hot water under all circumstances;
- › The ECH₂O thermal store is engineered to provide you with fresh, healthy and safe hot water
- › 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



Domestic hot water heat pump

Hot water in an efficient way

- › Domestic hot water is heated almost immediately
- › Combine it with solar heating for even better energy efficiency
- › Easy installation: no water tank pressure and only limited pressure in the heat exchanger
- › Low maintenance: no anode means no scale and lime deposits or corrosion
- › Electrical back-up (2.5 kW) ensures hot water under all circumstances.
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump (optional)




A
55°C
R-410A

Heat pumps

Efficiency data				EKHHP + ERWQ	300A2V3 + 02AV3
Domestic hot water heating	General	Declared load profile			L
	Average climate	η _{wh} (water heating efficiency)		%	119
		Water heating energy efficiency class			A
COP					4.30 (1)
Indoor Unit		EKHHP		300A2V3	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)			
Dimensions	Unit	HeightxWidthxDepth	mm	1,750x615x615	
Weight	Unit		kg	70	
Tank	Water volume		l	294	
	Maximum water temperature		°C	85	
Operation range	Domestic hot water	Ambient Water side	Min.-Max.	°CDB	2~35
			Min.-Max.	°C	5~55
Refrigerant	Type			R-410A	
Outdoor Unit		ERWQ		02AV3	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	
Weight	Unit		kg	35	
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Domestic hot water	Min.-Max.	°CDB	-15~35	
Refrigerant	Type			R-410A	
	GWP			2,087.5	
	Charge		kg	1.05	
	Charge		TCO ₂ Eq	2.2	
Sound pressure level	Heating	Nom.	dBA	47	
	Cooling	Nom.	dBA	47	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230	

(1) At 7°C ambient temperature (2) Contains fluorinated greenhouse gases