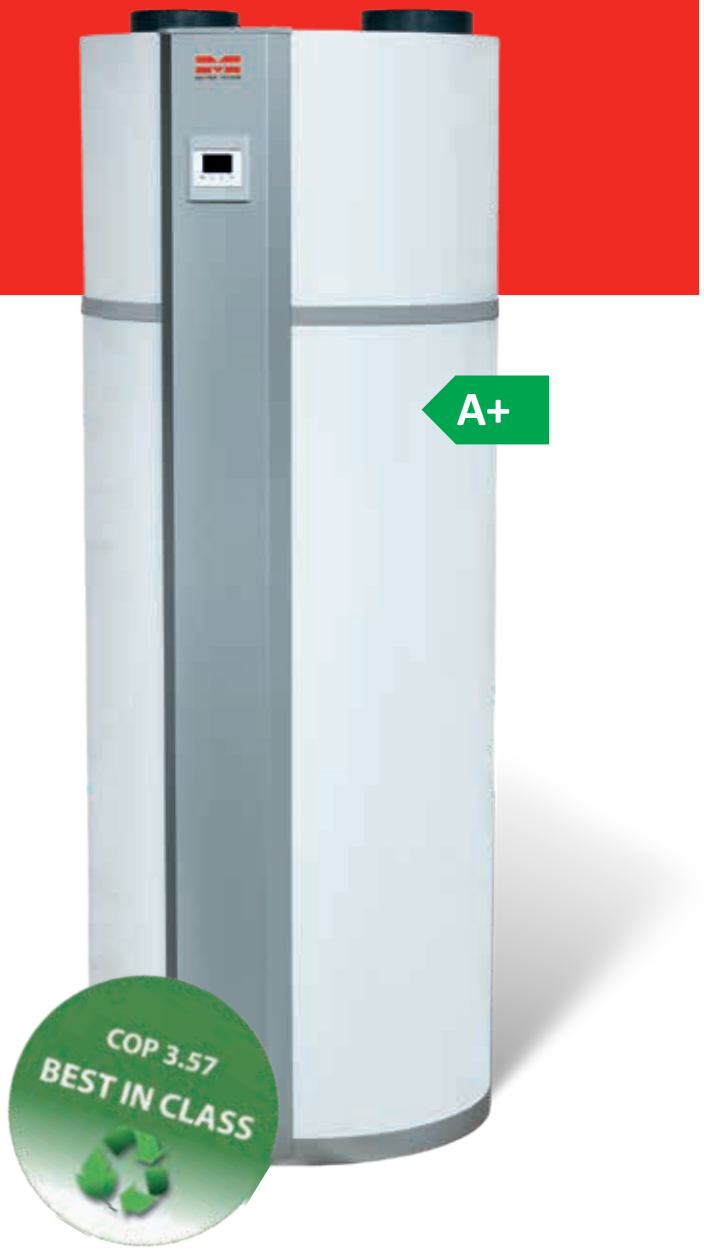
Domestic hot water heat pump

METROAIR AQUA 201 and 301 S



METROAIR AQUA 201 and 301S produce hot water for a household of four persons or more by recycling up to 70% of the energy from the air. At the same time, you can get rid of humidity from the bathroom or kitchen, resulting in cleaner air and a better indoor climate.

METROAIR 201 tested Best in Class with an outstanding COP of 3.57 with an air temperature of only 7°C in the Parisian testing facility LCIE Bureau Veritas.

Advantages with METROAIR AQUA

- Outstandingly high COP
- Optimized for horizontal transportation and easy installation
- Ventilation and low/high tariff functions
- Low sound emissions
- Legionella control with heat pump alone
- Optional: PV ready and SG ready

EXPERTS IN HEATING, HOT WATER AND VENTILATION

METRO THERM

Recycles heat from the air

METROAIR AQUA 201 and 301S hot water heat pumps use air to heat household water supplies. The heat pump uses electricity to extract heat from the outside air. At an outdoor temperature of 7 °C, you get 3.57 times more energy than you put into it. In other words, when the heat pump uses 1 kWh to extract heat, it produces 3.57 kWh to heat water. The heat pump even works at temperatures as low as -7°C.
Instead of using outside air, you also have the option of using indoor air from warm and damp rooms, including the bathroom. The air used is then expelled from the house together with the humidity, meaning you also have ventilation benefits. Up to as much as 75% of the heat energy required to heat water for a household can be recycled from the air when using damp indoor air.

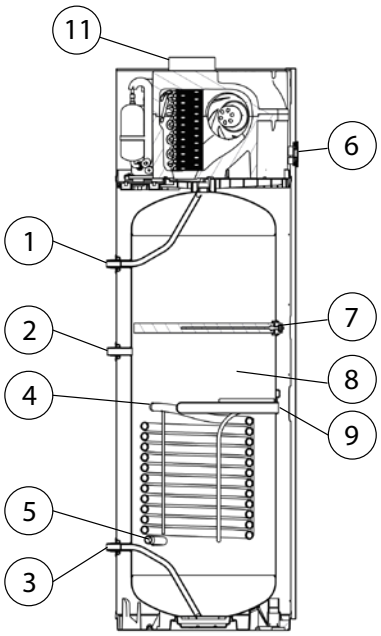
Adjust to your needs

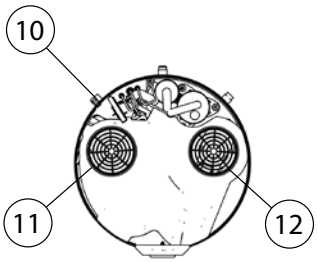
You can adjust METROAIR AQUA 201 or 301S to cater exactly for your specific needs. The many options include combining it with solar heating or floor heating, or using it as a cooling device in summer. You can access all the main operational modes, functions, set points, and information on the unit from home. The control panel is user-friendly, and the settings include operational modes such as AUTO, ECO, BOOST, SILENT and HOLIDAY.

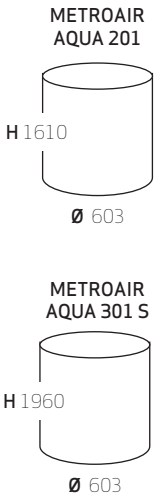
Product overview

1 Hot water outlet 3/4" RG
2 Hot water circulation 3/4" RG *
3 Cold water inlet 3/4" RG
4 Coil top 3/4" RG *
5 Coil bottom 3/4" RG *
6 Display circuit board
7 Anode
8 Tank
9 1,5 kW 230V electric heater
10 Condensate outlet Ø19
11 Air inlet
12 Air outlet

*Only METROAIR AQUA 301S







Technical data

	Unit	201	301 S
Nominal volume, storage tank	V/Hz	190	260
Volume at 40°C	L	247	347
SG and PV ready	A	13 (10)	
Power supply	V/Hz	230/50 (L1, N, G)	
Electric heater power	W	1500	
Refrigerant type	-	R134a	
Max. domestic hot water pressure	MPa	0.6	
Max external static pressure	Pa	200	
Nominal air flow rate (variable range)	m^3/h	450 (70-800)	
Min/max air temperature	°C	-7/40	
Max. water temperature (heat pump and immersion heater)	°C	65	
Performance data			
Outdoor air at 7°C (EN16147)			
COP	-	3.57	3.69
Heat up time	hh:mm	06:28	09:12
Stand-by heat losses	W	17	20
Sound **power**	dB(A)	49	49
Indoor air at 20°C (EN16147)			
COP	-	4,13	4.20
Heat up time	hh:mm	05:15	07:09
Stand-by heat losses	W	17	21
Sound **power**	dB(A)	55.6	55.6

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