

# AIR-TO WATER

# HEAT PUMP

Water heater for domestic  
hot water

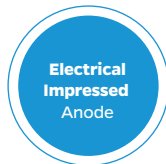
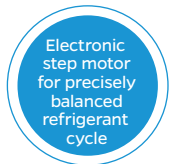
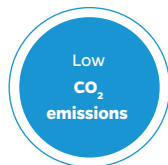
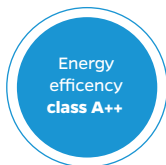
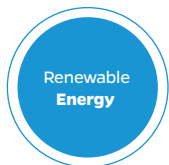


**airtherm**<sup>'''</sup>  
AQUA 1.2

range includes models with  
**volumes of 200, 250 & 300 liters.**

# Benefits

- It is an environmentally friendly product, operating with renewable energy sources resulting in lower CO<sub>2</sub> emissions
- The highest energy efficiency class A++ in its category, according to ErP regulations
- Has an operating range of between -7°C and 43°C outdoor air temperature
- **Heats up water to 65°C with the heat pump only**
- Electric heating element for faster heating times, providing temperatures up to 75°C
- **Highly efficient** and precisely balanced refrigerant cycle with an electronically commutated (EC) motor and an electronic expansion valve (EEV)
- **Up to 75% lower electricity consumption**
- **Programmable with an user friendly control panel.**
- **Automatic anti-legionella cycle**
- **Self-diagnostic system**
- **COP up to 3.6**
- **Low Noise Operation** as low as 48db is suitable for quiet environments

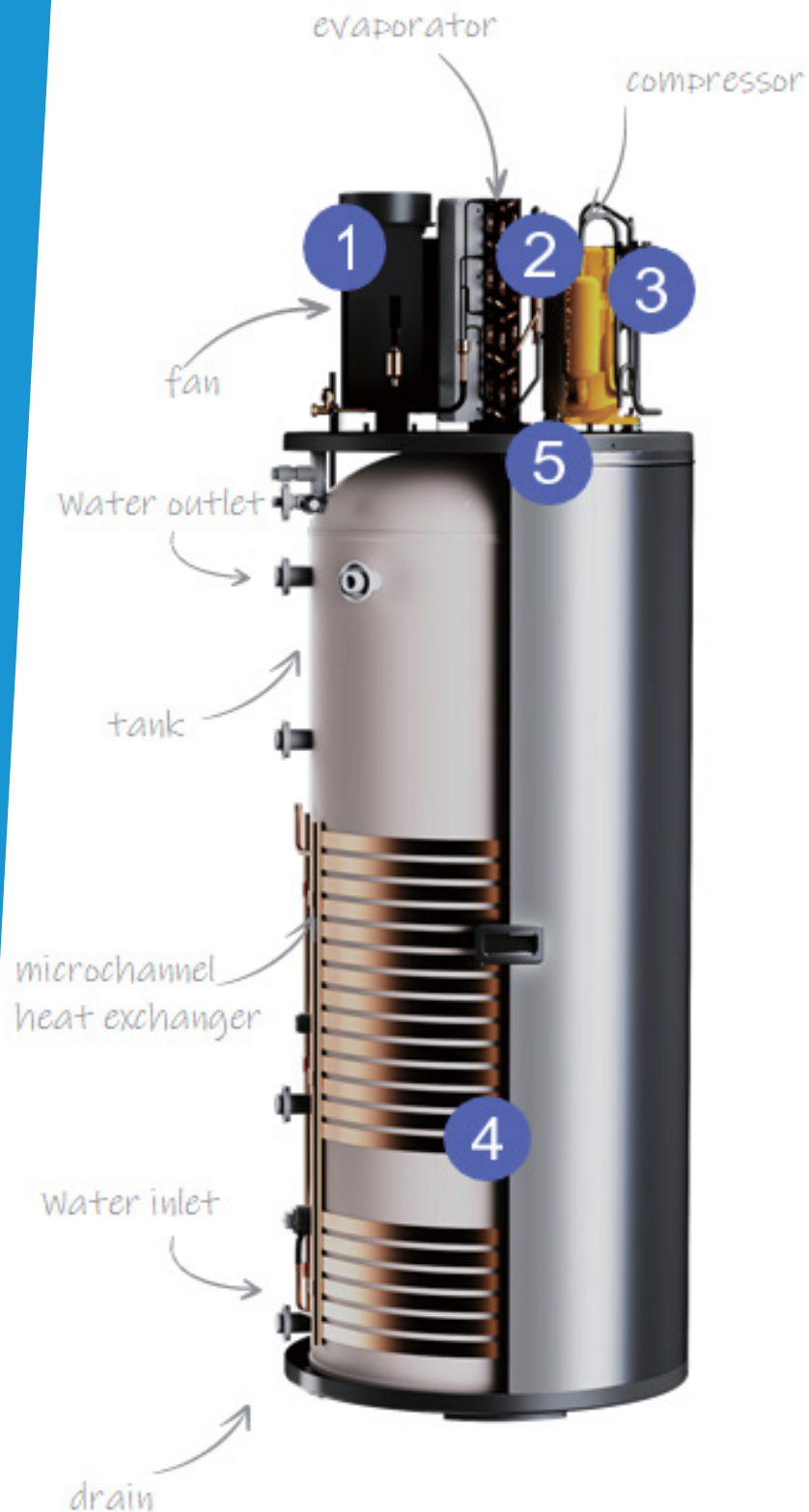


<sup>1</sup>According to the European Market and Statistical Report on the European Heat Pump Association 2018.

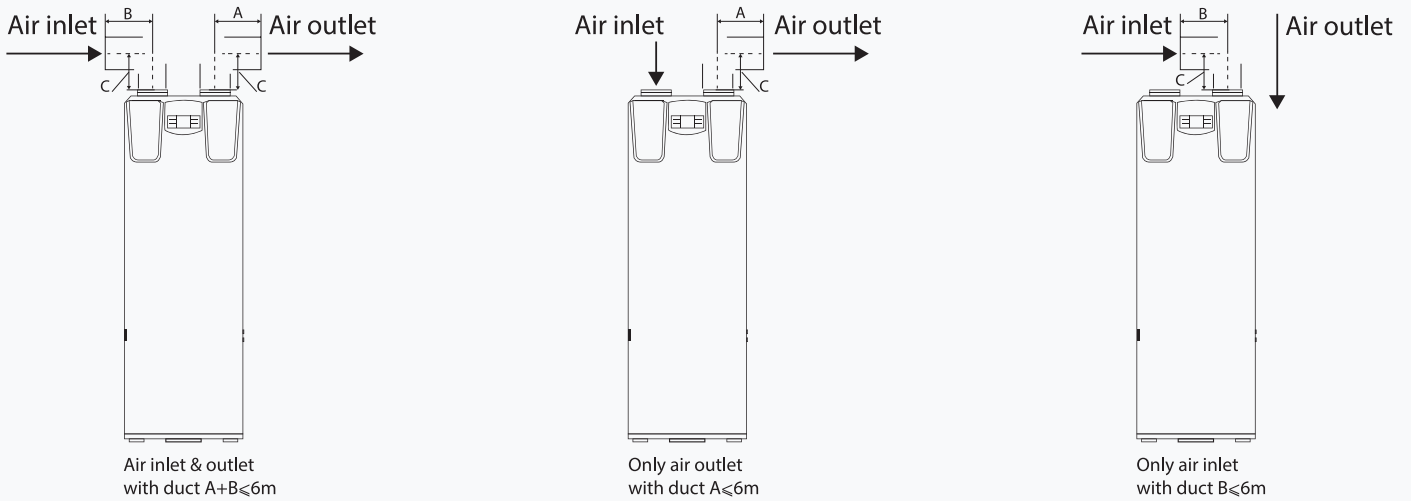
<sup>2</sup>AquaThermica is in energy efficiency class A+.

# HOW *it* WORKS

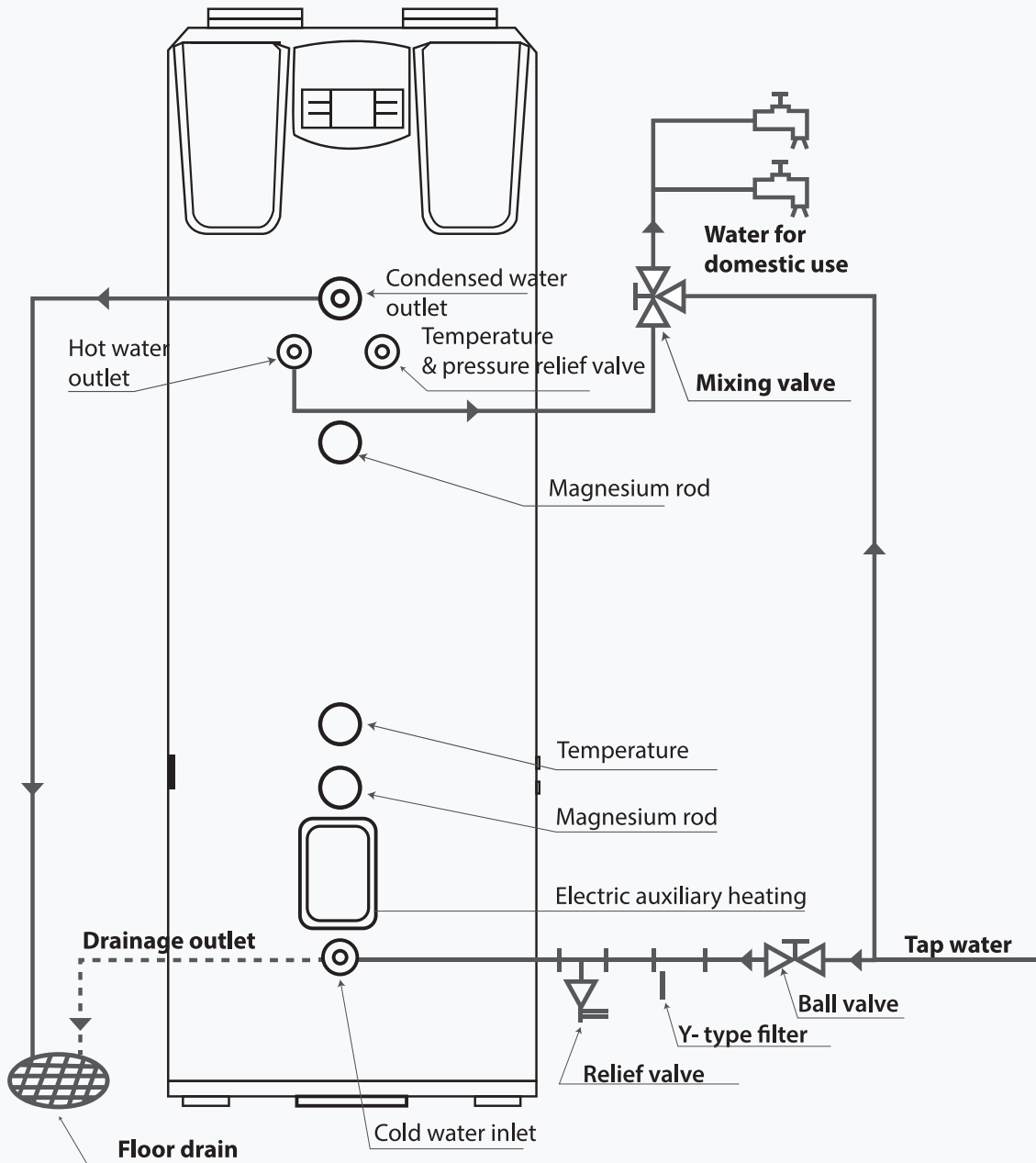
- 1 A fan draws in air containing heat energy, across the evaporator.
- 2 The evaporator turns the liquid refrigerant into a gas.
- 3 A fan draws in air containing heat energy, across the evaporator.
- 4 A fan draws in air containing heat energy, across the evaporator.
- 5 A fan draws in air containing heat energy, across the evaporator.



## AIR-DUCT SYSTEM INSTALLATION



## CONNECTIVITY AND INSTALLATION OPTIONS



## DRAWINGS AND TECHNICAL DATA

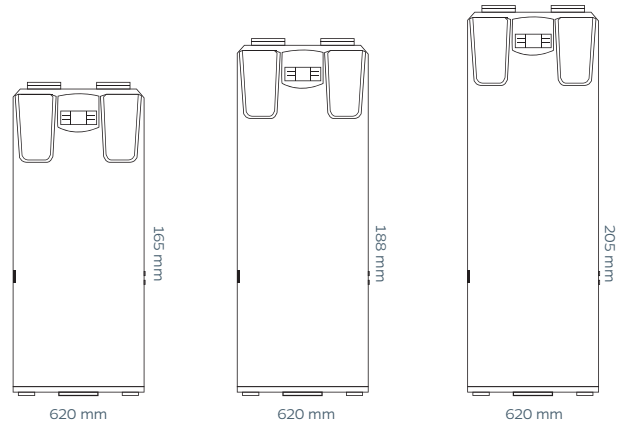
Model		airtherm aqua 1.2	airtherm aqua 1.2*	airtherm aqua 1.2
Art. Number	Measure	YT-200TB2	YT-250TB2	YT-300TB2
Heating Capacity at Air 20°C /15°C , Water Temperature from 15 °C to 55°C				
Compressor /protection	-	Rotary / Lamda		
Automatic anti-Legionella cycle	-	yes		
Thermodynamic circuit protection type	-	Safety pressure switches with an automatic reset; [high/low pressure 2.5/0.1 Mpa]		
Heating Capacity	kW	2.8		
Power Input	kW	0.63		
COP	-	4.45		
Max Power Input	W	3000		
Rated Current	A	2.8		
Max Current	A	13.3		
Rated Hot Water Production	L/h	60		
Power Supply	-	220V/50Hz/1 phase		
Backup Electric Heater	W	2000		
Refrigerant	-	R290/450g		
CO <sup>2</sup> Equivalent	-	0.00135t		
Tapping Cycle	-	L	XL	XL
Energy Efficient Class	-	A++		
Net Dimension DxH	mm	∅ 620x1650	∅ 620x1880	∅ 620x2050
Package Dimension	mm	700x700x1755	700x700x1985	700x700x2155
Net Weight	kg	95	105	115
Gross Weight	kg	108	118	129
Noise	dB	0.00135t		
Water tank volume	l	200	250	300
Working temperature range	°C	-7-43		
Air Flow	m <sup>3</sup> /h	450		
Air Discharge	m <sup>3</sup> /h	Vertical		
Operation Pressure (Low Side)	MPa	0.8		
Operation Pressure (High Side)	MPa	3		
IP Class	-	IP1		

\* on request

## DIMENSIONS & TECHNICAL DATA

Models		airtherm aqua 1.2 200	airtherm aqua 1.2 250*	airtherm aqua 1.2 300
CW	cold water inlet	G 1"	G 1"	G 1"
HW	hot water outlet	G 1"	G 1"	G 1"
IS	heat exchanger inlet	G 1"	G 1"	G 1"
OS	heat exchanger outlet	G 1"	G 1"	G 1"
R	recirculation	G ¾"	G ¾"	G ¾"
TS	thermo pocket level 1	G ½"	G ½"	G ½"
EE	opening for electric el.	G ½"	G ½"	G ½"
CD	condense drainage	G ¾"	G ¾"	G ¾"
TsH	condense drainage	-	-	-
	Mg anode			
MA	Thread designations according to EN ISO 228-1	G 1 ¼"	G 1 ¼"	G 1 ¼"

\* on request



# **BROOKVENT**

Brook House, Dunmurry Industrial Estate,  
City Business Park, Dunmurry, Belfast BT17 9HU  
T: +44 28 9061 6505 E: hello@brookvent.co.uk



brookvent.co.uk