

AUX

Technology leads Intelligent Life



AI-THERMA
AIR TO WATER HEAT PUMP
R32 Split



Environment-friendly

Environmentally Friendly Refrigerant

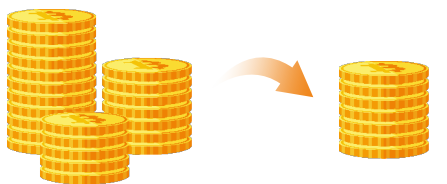
AUX has always been focusing on environmental protection characteristics of products. As a new refrigerant, R32 has good performance. In addition, it has lower global warming potential and lower carbon dioxide emissions. AUX's latest R32 split heat pump can tackle climate changes and meet hot and cool demand in Europe



Energy-saving

High Efficiency and Low CO2 Emission

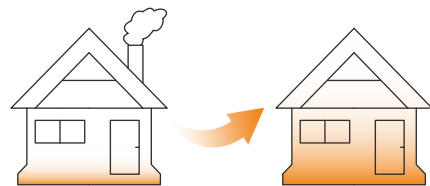
Air to water heat pumps costs less to run than conventional fossil fuel boilers, have no need for flues, or fuel tanks and are low in carbon emissions



Conventional Boiler

AI-THERMA

Energy Cost Saving



Conventional Boiler

AI-THERMA

CO₂Emission

Intelligent DC Inverter water Pump

The running frequency of the water pump can be automatically adjusted (depending on different compressor frequency) to better control the stability of the leaving water temperature and avoid frequency fluctuation of the compressor, more energy-saving

ECO Mode

ECO mode can be set on the wired controller. There are 8 options (type1 to type 8), each type will correspond to a reasonable leaving water temperature setting according to different ambient temperature, ensure that the system runs in a more energy-saving manner

SCOP:A+++

Seasonal efficiency up to A+++





Comfortable

Silent Mode

There are 2 silent modes can be selected for outdoor unit (minimum 45db); hydronic module operating noise lower than 31db; the whole system with low noise, without disturbing neighbours



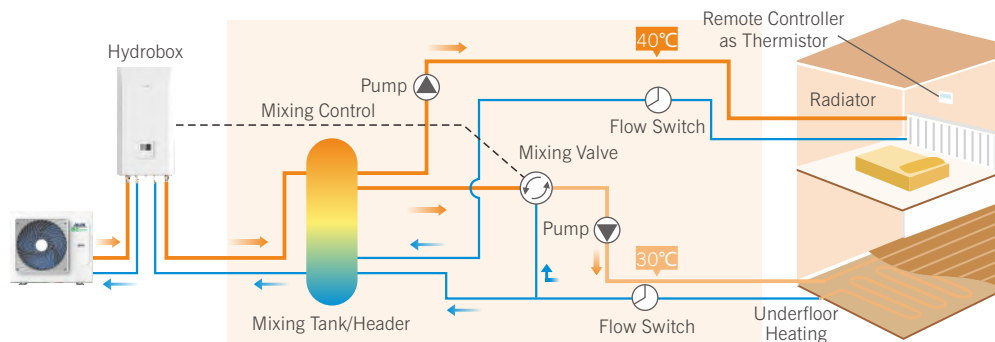
Weather Temp Setting

There are 9 options (type1 to type9) for weather temp setting, and each type automatically adjusts the leaving water temperature according to different ambient temperature to maintain comfortable indoor temperature



Control of Dual Temperature Zone

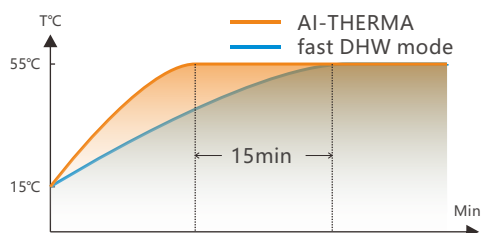
Association control mixing pumps and three-way valves can be supported to ensure that high temperature water (for heating radiator) and medium and low temperature water (for underfloor heating) can be provided at the same time to meet user's requirement



Fast DHW

Leaving water temperature can quickly reach the set point once the fast DHW mode be selected

*Taking the water tank temperature being heated from 15-55 as an example , about 15 minutes saved

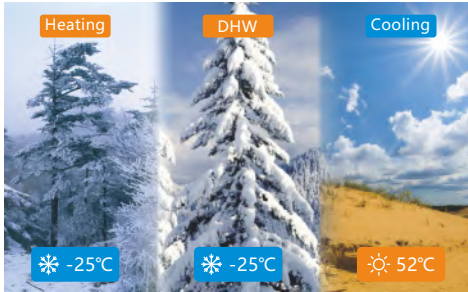




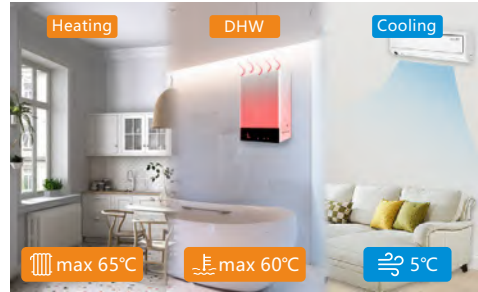
High reliability

Operation at -25°C

Stable operation at the lowest -25 degree



Wide operating ambient temperature range



Wide operating water temperature range



Easy control

Smart Control

The mobile terminal App is connected to WiFi to achieve remote smart control, convenient and fast



Holiday Away

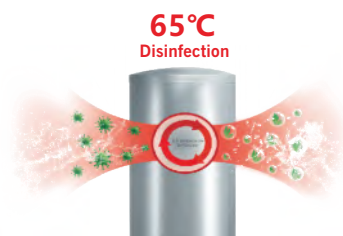
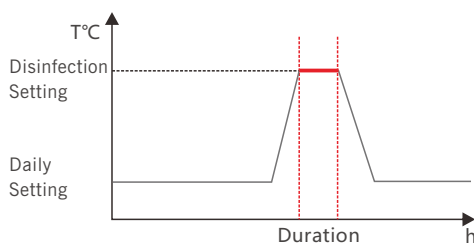
This mode can be set in advance. During outing on holiday, the unit will run in heating or DHW mode with low power consumption to protect the unit from freeze damage



Healthy

Disinfection

The hot water temperature can reach 65°C, with a disinfection rate as high as 99.99%



All-year-round integrated solution



Solar energy

Gas boiler

Floor heating

Hot water

Cooling

Overall Solution



App Control



High Efficiency



Wide Operation Range



24h Timer



Weekly Timer



Holiday Mode



Multi Language



Fast DHW



Multiple Anti-freeze



Pre-heating









Combination With Solar



Combination With Gas Heater

Line up

Capacity		4kW	6kW	8kW	10kW	12kW	14kW	16kW	
Outdoor units (3 platforms)	Appearance								
	Power type	220-240/1/50					380-415/3/50		
	Dimension	315x545x800		395x805x970		420x860x990			
Hydraulic box (1 platforms)	Appearance								
	Power type	220-240/1/50					380-415/3/50		
	Dimension	420x790x270							
Heating (LWT 35°C)	Capacity(kw)	4.3	6.25	8.4	10	12.2	14.5	16.1	
	Rated Input(kw)	0.83	1.3	1.62	2	2.44	3.08	3.57	
Cooling (LWT 7°C)	Capacity(kw)	4.75	7.05	7.45	8.3	11.7	12.8	14	
	Rated Input(kw)	1.40	2.35	2.20	2.52	4.3	5.00	5.7	
Heating COP		5.2	5	5.2	5	5	4.71	4.51	
SCOP (35°C)		A+++	A+++	A+++	A+++	A+++	A+++	A+++	
SCOP (55°C)		A++	A++	A++	A++	A++	A++	A++	
SEER (7°C)		5	5.3	5.8	5.9	4.9	4.8	4.7	
SEER (18°C)		7.7	8.2	8.9	8.7	7.1	6.9	6.8	
Installation height difference	Outdoor unit above/below (m)	20	20	20	20	20	20	20	
	Sound pressure level(1m)8	43	44	45	48	49	50	54	
		Hydronic Box(dB)		28	29	29	31		

The above designs and specifications are subject to change without prior notice. Final specifications please refer to latest technical specifications provided by sales representative.



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