

# IVT AirX

Air Source Heat Pump



The newest generation of air source heat pump from IVT

A complete heating and domestic hot water solution

So efficient that energy savings are comparable to ground source heat pumps

Easy installation, low-cost - no boreholes required

Ideal for any new-build or retrofit project, be it domestic or commercial

Brought to the UK exclusively by Alto Energy

## A Highly Efficient Air Source Heat Pump

The IVT AirX is one of the most efficient air source heat pump ranges on the market. In fact, the savings can be compared with that of ground source heating.

**5** year warranty as standard

*Model shown is the IVT AirX 90 and the IVT AirModule E9. Other models in this line may vary.*

 **IVT**  
**POWERED BY NATURE**

  
ALTO ENERGY

# IVT AirX

## Air Source Heat Pump

The IVT AirX is a whole new generation of air source heat pump which sets new standards in terms of efficiency levels. Behind the impressive performance, there are several clever innovations along with five new registered patents. The IVT AirX is one of the first air source heat pumps with speed control, which means that the low-power compressor automatically adjusts heat production for your home's heating demand. When the house needs more heat, the compressor works harder to account for this and vice versa, increasing

your savings. In fact, the IVT AirX is so efficient that the saving in many cases can be compared to that of ground source heating. The heat pump has a patented defrost cycle that the fan speed is controlled and the defrosting, compared to a conventional air source heat pump, works much more efficiently and with less energy consumption.

The IVT AirX comes with a 5 year manufacturer's warranty as standard.

## Technical Specification for the IVT AirX Range

Model	50	70	90	130	170
Energy Class - Heat Pump	A++				
Heating Output (nominal)	5 kW	7 kW	9 kW	13 kW	17 kW
SCOP @ W35 <sup>1)</sup>	4.40	4.37	4.58	4.68	4.54
Compressor Type	Inverter Rotary				
Refrigerant Volume - R410a <sup>2)</sup>	1.70 kg	1.75 kg	2.35 kg	3.30 kg	4.00 kg
Heating System Nominal Flow	0.32 l/s	0.33 l/s	0.43 l/s	0.62 l/s	0.81 l/s
Max Flow Temperature	62 °C				
Electricity Supply	230 V	230 V	230 V	230 / 400 V	400 V
Electrical Phase	Single	Single	Single	Single / Three	Three
Total Power	2.3 kW	3.2 kW	3.6 kW	7.2 kW	7.2 kW
Fuse Rating <sup>3)</sup>	10 A	16 A	16 A	3 x 13 A	3 x 13 A
Sound Pressure Level at 1m	40 dBA				
Sound Output <sup>4)</sup>	53 dBA				
Dimensions (H x W x D)	1370 x 930 x 440 mm			1680 x 1200 x 580 mm	
Weight (Without Packaging)	67 kg	71 kg	75 kg	130 kg	132 kg
Control Unit	Rego 2000 - High Resolution Display				

1) According to EN 14825 2) GWP100 = 1980 3) Fuse Characteristics gL / C 4) According to EN 12102

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### Smart control systems

The Rego 2000® control system incorporates all the latest technology in heat pump controls. The intelligent control system adjusts the output of the heat pump based on the outdoor temperature. If you want to make your own adjustments you have easy access to all the settings you need. The heat pump can also operate in conjunction with solar collectors.

### IVT AirModule / IVT AirBox

The AirModule is a slim and stylish solution with everything you need built in, including the hot water pumps.

However, the AirBox offers more flexibility with accessories for those who want to incorporate other sources of heat, or have greater hot water requirements and want to fit a larger cylinder.



IVT AirModule



IVT AirBox

Model	AirModule	AirBox			
	E 9 / E 15*	Eg 50-90	Eg 130-170	S 50-90	S 130-170
Dimensions (H x W x D)	1800 x 600 x 645	700 x 485 x 386			
Weight (without packaging)	135 kg	30 kg		28 kg	
Control Unit	Rego 2000 - High Resolution Display				
Inbuilt electric immersion	●	●	●	○	○
Optional boiler back-up	○	○	○	●	●