

IVT Greenline HE

Ground Source Heat Pump - Single Phase



The latest generation of the famous Greenline product family

A complete heating and domestic hot water solution

Save more by money and energy by using energy-efficient, well-proven refrigeration technology and A-rated circulation pumps

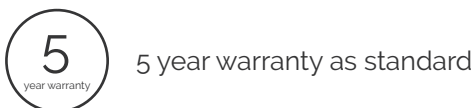
Ideal for any new-build or retrofit project, be it domestic or commercial

With intelligent, easy to use controls

Brought to the UK exclusively by Alto Energy

A Highly Efficient Ground Source Heat Pump

The IVT Greenline HE is equipped with the latest generation of low-energy circulation pumps, on both the cold and hot side. This means that electricity consumption is further reduced, giving you even lower heating costs.



Model shown is the IVT Greenline E11 from the Greenline Range. Other models in this line may vary.



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The dynamic pump control (DPC) optimises the output to meet the demands of your home, providing greater savings. The Energy Measurement System (ESM) clearly shows on the heat pump display how much energy the heat pump is delivering. Flow temperatures of up to 65°C means

that the IVT Greenline HE is an excellent choice for retrofit applications which require a higher flow temperature.

The Greenline HE range is available in 2 models: the C-model which comes with a 185 litre built-in hot water store; and the E-model with a separate hot water tank, better suited for larger water requirements.

The IVT Greenline HE is supplied with a 5 year warranty as standard. For further peace of mind, Alto Energy can offer you an ongoing service plan to ensure your heat pump continues to perform at its best.

Technical Specification for the IVT Greenline HE C/E Range

Model	C6	C7/E7	C9/E9	C11/E11
Energy Class - Heat Pump	A+	A+	A+	A++
Energy Class - Hot Water	B	B	B	B
Heating Output ¹⁾	5 kW	6.6 kW	8.7 kW	10.2 kW
SCOP @ W35 ²⁾	4.08	3.70	3.87	4.34
Compressor Type	Scroll			
Refrigerant Volume - R407c ³⁾	1.6 kg	1.6 kg	1.8 kg	2.4 kg
Heating System Nominal Flow	0.20 l/s	0.25 l/s	0.31 l/s	0.38 l/s
Max Flow Temperature	65 °C			
Connection (Cu)	22 mm			
Ground Loop Nominal Flow	0.32 l/s	0.33 l/s	0.43 l/s	0.62 l/s
Permitted Pressure Drop	45 kPa	45 kPa	44 kPa	80 kPa
Operating Temperature	-5 to +20 °C			
Connection (Cu)	28 mm			
Electricity Supply	230V Single Phase			
Fuse with 6 kW Immersion	40 A	40 A	50 A	50 A
Power Consumption Compressor ¹⁾	1.17 kW	1.48 kW	1.78 kW	2.09 kW
Max Current with Soft Starter	< 35			
Sound Level ⁴⁾	47 dBA	50 dBA	52 dBA	48 dBA
Dimensions (H x W x D)	C - (1800 x 600 x 645 mm) / E - (1520 x 600 x 645 mm)			
Weight (Stainless Steel) - C	200 kg	201 kg	210 kg	218 kg
Weight (Without Packaging) - E	146 kg	152 kg	155 kg	170 kg
Controller	Rego 1000			

1) Bo/W35 2) According to EN 14825 3) GWP100 = 1526 4) According to EN 3743-1