IVT Greenline HE

Ground Source Heat Pump - Three 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.

5 year warranty

5 year warranty as standard

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

IVT POWERED BY NATURE

ALTO ENERGY

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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 you heat pump continues to perform at its best.

Technical Specification for the IVT Greenline HE C/E Range

Model	C7/E7	C9/E9	C11/E11	E14	E17
Energy Class - Heat Pump	A+	A+	A++	A+	A+
Energy Class - Hot Water	B	B	B	-	-
Heating Output [1]	7.2 kW	8.8 kW	10.3 kW	14.8 kW	16.4 kW
SCOP @ W35 [2]	3.72	3.87	4.34	3.77	4.12
Compressor Type	Scroll				
Refrigerant Volume - R407c [3]	1.6 kg	1.8 kg	2.4 kg	2.3 kg	2.3 kg
Heating System Nominal Flow	0.23 l/s	0.29 l/s	0.34 l/s	0.47 l/s	0.54 l/s
Max Flow Temperature	65 ˚C				
Connection (Cu)	22 mm			28 mm	
Ground Loop Nominal Flow	0.38 l/s	0.46 l/s	0.57 l/s	0.78 l/s	0.90 l/s
Permitted Pressure Drop	45 kPa	44 kPa	80 kPa	74 kPa	71 kPa
Operating Temperature	-5 to +20 ˚C				
Connection (Cu)	28 mm			35 mm	
Electricity Supply	400V Three Phase				
Fuse with 6kW Immersion	16 A	20 A	20 A	-	-
Fuse with 9kW Immersion	-	-	-	25 A	32 A
Power Consumption Compressor [1]	1.64 kW	1.99 kW	2.22 kW	3.15 kW	3.73 kW
Max Current with Soft Starter	< 30				
Sound Level [4]	38 dBA	40 dBA	36 dBA	39 dBA	35 dBA
Dimensions (H x W x D)	C - (1800 x 600 x 645) mm / E - (1520 x 600 x 645) mm				
Weight (Without Packaging)	152 kg	155 kg	170 kg	190 kg	195 kg
Controller	Rego 1000				

1) B0/W35 2) According to EN 14825 3) GWP100 = 1526 4) According to EN ISO 11203