Enertech Group

CTC EcoPart

Heat pump for bedrock, ground and lake heating

CTC EcoPart range of ground source heat pumps offer an extremely efficient solution for space heating and hot water generation. CTC EcoPart heat pumps work by absorbing and moving the energy from the ground, borehole or water source and amplifying the temperature by compression, for use in the home or office. The heat pumps are highly efficient, as 75% of its output energy is sourced from the external environment and only 25% comes from the direct power supply. This can offer consumers impressive output energy performance, which reduces fuel consumption by up to 75%.

The CTC EcoPart heat pump has been established over 20 years and widely used throughout the Nordic and Scandinavian regions. The units house a patented intercooler, designed to maximize energy absorption during colder temperatures. They also contain many more unique features to ensure it is highly energy efficiency and maintains high performance throughout the entire year.

The CTC EcoPart range works in conjunction with a CTC EcoLogic controller that has multiple system programs, allowing you to incorporate many different functions and heat inputs. CTC EcoPart can also be connected to the CTC EcoEl multi zone, weather compensated thermal store and the award winning EcoZenith unique all-in-one thermal store with an integral intelligent control system.

The CTC EcoPart provides an environmental heating solution for private houses, smaller properties and can be used to heat small swimming pools.

APPROVED PRODUCT

MCS

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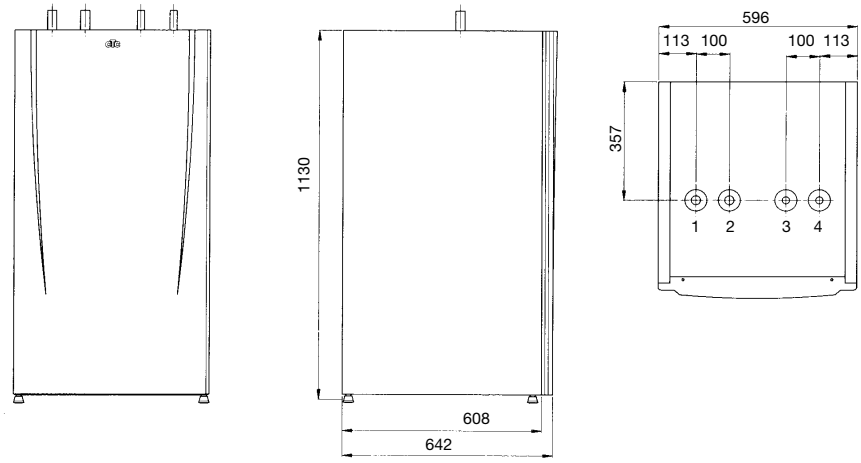
Key features CTC EcoPart:

- Available in three sizes: 8.5, 10.5 and 12.0 kW
- Equipped with a built-in control system for solid condensation / accumulator charging
- The solution for installations in an area with low ceiling height
- For better efficiency, economy and longer life time the CTC EcoPart is equipped with a patented intercooler
- Suitable for single and two pipe system, convectors, radiators, and under floor heating
- Silent-running
- Built-in soft starter

For more information about CTC's product range visit:
www.ctc-uk.com

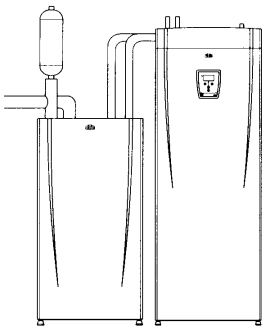
Measurements of CTC EcoPart



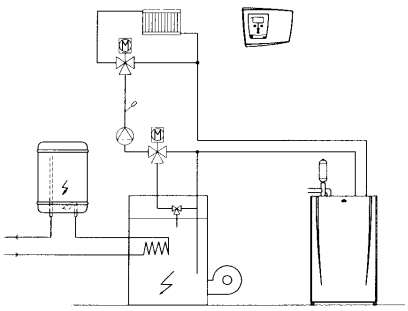
1. From ground ø 28 mm
2. To ground ø 28 mm
3. To boiler ø 22 mm
4. From boiler/circulation pump ø 22 mm

CTC EcoPart			
Model	8.5	10.5	12.0
Electrical data	240 V	240 V	415 V
Measurement W x H x D	596 x 1130 x 642 mm		
Nominal input electric	3.2 kW	3.7 kW	4.6 kW
Power consumption compressor + pumps at 35/50°C	2.0/2.5 kW	2.5/3.4 kW	2.9/3.9 kW
Emitted output compressor at 35/50 °C	8.7/7.7 kW	10.4/10.3 kW	12.4/11.6 kW
Max op pressure compressor	9.0	11.0	11.6
Min group fuse	10 A		
Water volume evaporator (TS)	4.7 l		5.6 l
Brine system min/max pressure (PS)	0.2/3.0 bar		
Brine pump adjustment speed	3		
Brine system min/max temp (TS)	-15/30 °C		
Refrigerant (R407C)	2.1 kg		2.5 kg
Cut-off pressure, pressure governer HP / LP	27/1.5 bar		

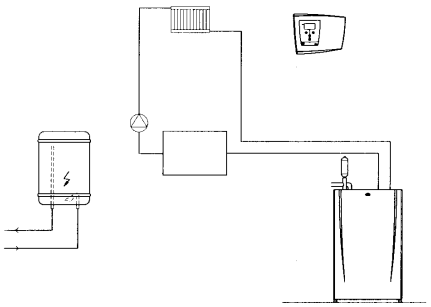
1. EcoEl – EcoPart



2. System with mixing valve



3. System without mixing valve



The CTC EcoPart can be connected to the electrical boiler CTC EcoEl, or to your existing boiler together with the control system for heat pumps, CTC EcoLogic.

170 055 43. 11-01. Subject to alterations in design.

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