



Heat pump for bedrock-, ground- and lake heating

- A complete heat pump designed for private houses and smaller properties
- Available in five sizes: 5 / 7.5 / 8.5 / 10.5 and 12
- For better efficiency, economy and longer life time is the CTC EcoHeat is equipped with a patented intercooler
- User-friendly control system with a well-arranged display
- Additional DHW-function with the possibility to increase the DHW-capacity for certain periods
- Suitable for single- and doublepipe system, convectors and floor heating
- Automatic internal mixing-valve
- Silent-running
- Built-in soft starter

The CTC EcoHeat is a smart and well thought-out designed heat pump.

The CTC EcoHeat is equipped with a unique patented evaporator solution, the intercooler. The intercooler ensures that the efficiency (COP) of the CTC EcoHeat stays in the upper range. The high efficiency not only reduces the annual operating costs, but also reduces wear of the compressor, prolonging the life span of the heat pump.

All necessary functions are supervised by the logical and well-arranged control panel. The control-system is adjusted by a few buttons and the

display provides information about adjustments, operation status etc. in plain text.

Uniform and pleasant heating

The CTC EcoHeat is suitable for different types of heating systems: single- and double pipe system, convectors and floor heating. The CTC EcoHeat also provides the possibility to base level heating in the summer time, e.g. in the basement. Thanks to the internal mixing-valve automatics a uniform and pleasant heat is supplied. Unpleasant noises from the radiators resulting from fluctuation of temperature are therefore avoided.

The mixing-valve is of course possible to operate manually in case of operational disturbances.

Fresh DHW

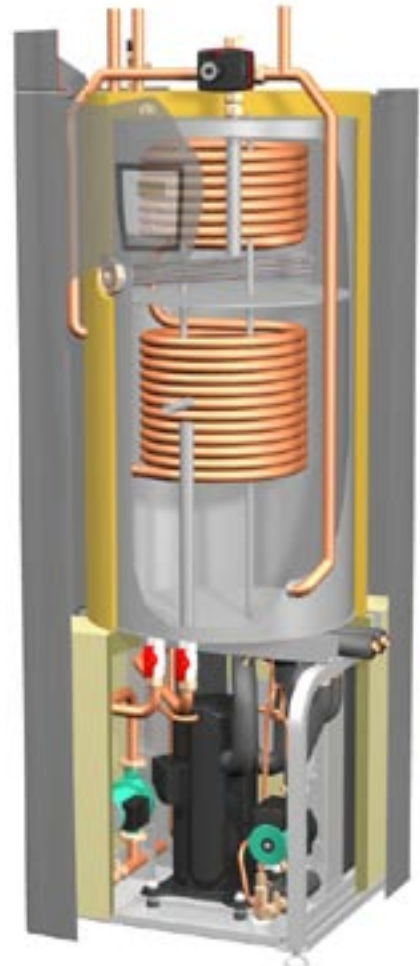
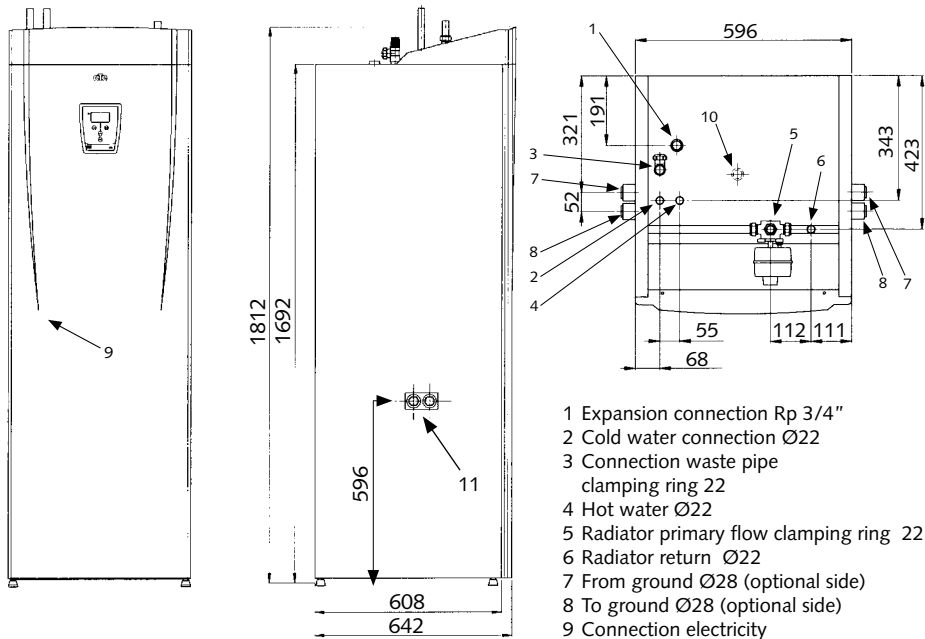
The CTC EcoHeat is designed to provide the best conditions for delivering a legionella-free hot water.

The DHW is produced by a 2-step percolation coil-exchanger which means no stagnant hot water.

When and if the need of hot water is greater than usual, the immersion heater provides for additional heating.

CTC EcoHeat	5	7,5	8,5	10,5	12
Main measurements, mm	600 x 619 x 1797				
Weight, kg	245	255	255	265	270
Water volume, boiler, l	223				
Electrical data, 400 V 3N~/230 V 1N~, kW	11,1	11,6	12,2	12,7	13,6
Output from the compressor at 35 °C, kW	5,9	7,6	8,7	10,4	12,4
Output from the compressor at 50 °C, kW	5,1	7,1	7,7	10,3	11,6
Nom. supply effect to the compressor + pumps at 35 °C, kW	1,3	1,8	2,0	2,5	2,9
Nom. supply effect to the compressor + pumps a 50 °C, kW	1,7	2,3	2,5	3,4	3,9
Type of compressor	Scroll				
Min. main fuse (at 3,6,9 kW elect connection), A	10/16/20	16/16/20	16/20/25	16/20/25	16/25/25
Immersion heater/spare heating , kW	9/6				
Power steps, elect. kW	1,5 / 3 / 4,5 / 6 / 7,5 / 9				
Power limiter, kW	0 / 1,5 / 3 / 4,5 / 6 / 7,5 / 9				
Internal charge control	Yes				
Control system	Micro computer, incl room sensor (standard delivery)				
Refrigerant, type/quantity	R407C/ 1,55 kg	R407C/2,10 kg			R407C/ 2,50 kg

Measurements & connections



The product complies to the EN directive:

LVD: 73/23/EEC och 93/68 EEC

EMC: 89/336/EEC

and is tested according to EN255

Subject to alterations in design.



P.O. Box 309, S-341 26 Ljungby, Sweden
Tel + 46 372 880 00 Fax +46 372 824 94
www.ctc-heating.com