

# GS 600



## Ground Source Heat Pump

### Heat pumps for ground source, lake or geothermal heating.

The CTC GS 600 is a stylish, smart and economical series of affordable heat pumps that heat both the property and hot water via a quiet scroll compressor with start and stop function.

The CTC GS 600 is available in two output models (6 and 8 kW) and has an integrated hot water capacity of 300 litres. In order to achieve the lowest energy consumption the unit is equipped with A rated low-energy circulation pumps and effective insulation.

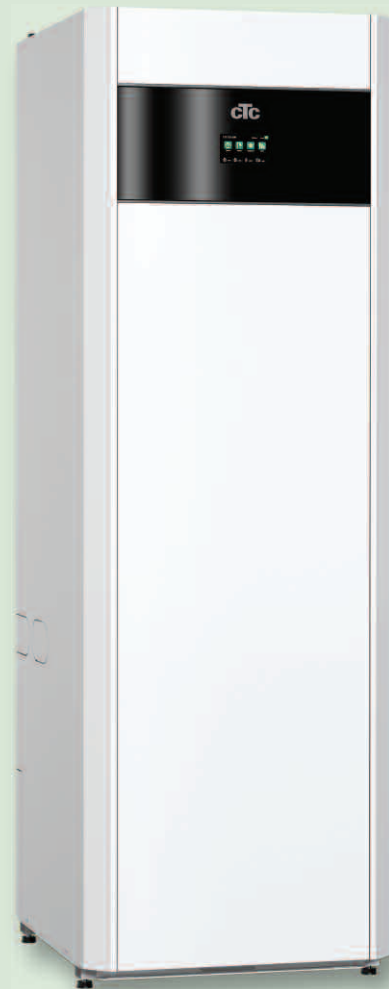
CTC GS 600 is a very affordable heat pump, and will provide comfortable heating at the lowest possible cost for many years to come.

The CTC GS 600 is ultra-efficient with a very low noise level, since both the compressor and all cooling components are enclosed in a separate, soundproofed area. Because the supply cable and primary flow sensor are factory-fitted, the CTC GS 600 is also easy to install. The supplied magnetite filter ensures that your radiator system is kept clean.

The design of the heat pump allows it to become a stylish part of your interior, wherever you choose to install it. The fully integrated touchscreen display gives CTC GS 600 a user-friendly interface, where you can easily access all functions and can both swipe and scroll, just like on your smartphone. The colour touchscreen display has clear symbols and the option to switch language, and makes it easy to adjust the heating and hot water

or to retrieve data about the heat pumps operation. In addition, you can easily mirror the display on your tablet, mobile, etc.

CTC GS 600 has internet connectivity as standard, so you can easily control your heat pump remotely. To ensure compatibility with smart homes, the product is equipped for connection to Alexa, Google Home, etc. It is also SmartGrid-ready, which means it is equipped for the electricity grid of the future.



#### Key features

- Stylish design
- Smart touch display with user-friendly interface
- Save up to 80%
- Highest energy class: A +++
- Internet connectivity as standard
- High seasonal coefficient of performance: SCOP 5.0
- Low noise level (39 dBA)
- 300 litres of hot water

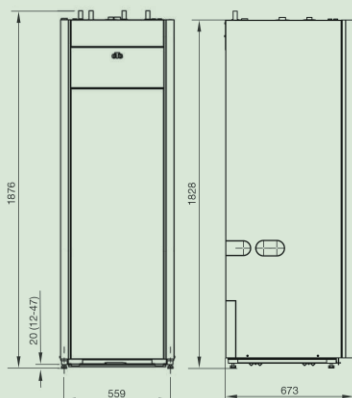


# GS 600

TECHNICAL DATA		GS 606	GS 608
1x230 V			
CTC no.		589311001	589311002
Weight (packaged weight)	kg	256 (285)	254 (283)
Dimensions (H x W x D)	mm	1876 x 596 x 673	
Required ceiling height		1940	
Electrical Data, connection		230V 1N~ 50Hz	
Energy efficiency class in heating circuit @ 35/55°C (A+++ to G)		A+++/A++	A+++/A+++
Energy efficiency class - heat pump @ 35/55°C (A+++ to D)		A+++/A++	A+++/A++
Energy efficiency class - hot tap water / charge profile (EN16147) (A+ to F)		A / XL	A / XL
DHW performance (V <sub>40</sub> ) (Volume 40°C @ Economy/Normal/Comfort EN16147)	litres	210 / 239 / 304	
Rated current	A	38	42.5
Max. electric heater output @ Group fuse 20/25/32/35/50/63 A	kW	0.9 / 2.6 / 3.2 / 4.9 / 5.5 / 5.5	0.3 / 0.9 / 3.2 / 3.2 / 5.5 / 5.5
Output range immersion heater	kW	0.3 - 5.5	0.3 - 5.5
Ingress protection (IP)		IP X1	
Rated output: W35 & B0/5/10 (EN14511)	kW	6.04 / 6.8 / 7.54	8.29 / 9.52 / 10.9
COP: W35 & B0/5/10 (EN14511)	kW	4.52 / 5.11 / 5.36	4.77 / 5.4 / 5.93
Nominal heating output (P <sub>design</sub> ) moderate climate 35/55°C	kW	6.9 / 6.4	9.4 / 8.6
Nominal heating output (P <sub>design</sub> ) cold climate 35/55°C	kW	6.6 / 6.0	9.1 / 8.5
SCOP cold climate @ 0/35   0/55 (EN14825)		4.8 / 3.8	5.0 / 4.0
SCOP moderate climate @ 0/35   0/55 (EN14825)		4.7 / 3.7	5.0 / 3.9
Refrigerant quantity (R404C, GWP 1774)	kg	1.9	1.9
CO <sub>2</sub> equivalent	tonnes	3.371	3.371
Sound power L <sub>WA</sub> @ 0/55 (EN12102)	dB(A)	41	39

Energy labels and data sheets can be downloaded from [www.ctc-heating.com/Ecodesign](http://www.ctc-heating.com/Ecodesign)

## Dimensional drawing of the CTC GS 600



1. Cold water Ø22
2. DHW Ø22
3. Return Ø22
4. Primary flow Ø22
5. Expansion connection / Lifting sleeve G 3/4"
6. Bleed value connection G 1/2"

## Delivery includes:

Heat pump and manual.

## Packaging includes:

Room sensor, outdoor sensor, filler manifold, brine level tank, brine hoses, magnetite filter for return heating circuit, pressure gauge, cold water dirt filter, automatic bleeder, safety valve for brine (3 bar) and heating system (2.5 bar).



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