

An eco-friendly and  
secure investment!



# CTC EcoPart 600M

Compact inverter controlled ground source heat pumps.

2,5 - 16 kW, models 612M and 616M

- Small but strong
- Available in two sizes: 12 and 16 kW
- Speed-controlled
- Automatic borehole adaptation
- Up to ten heat pumps can be interconnected



Find a CTC distributor in your country - [www.ctc-heating.com](http://www.ctc-heating.com)



MADE IN SWEDEN

# CTC EcoPart 600M

Compact inverter controlled heat pumps for ground source heating.

CTC EcoPart 600M is a series of compact inverter controlled heat pumps with the same performance as CTC GSi 600 but without a control system and hot water heating. CTC EcoPart 600M adapts automatically to the building's output requirements during the year. At high power demand the output increases and at lower power demand the compressor speed is reduced and the output decreases. Thanks to this you will always achieve maximum savings.

## Small but strong

CTC EcoPart 600M has a height of just 775 mm and is perfect for areas with low ceiling height. CTC EcoPart 600M is available in two sizes, 12 and 16 kW, and can also be connected in series to meet greater heating needs.

## Hot water and control

To obtain a complete system, CTC EcoPart 600M is supplemented with the CTC EcoZenith i360 or CTC EcoZenith i555 Pro indoor modules. CTC EcoZenith i555 Pro gives you almost unlimited possibilities to create a flexible heating system. Plus, CTC EcoZenith i555 Pro provides plenty of hot water. At a flow of 22 litres per minute, it has a capacity of more than 600 litres of 40°C hot water, which is enough for 15 showering teenagers.

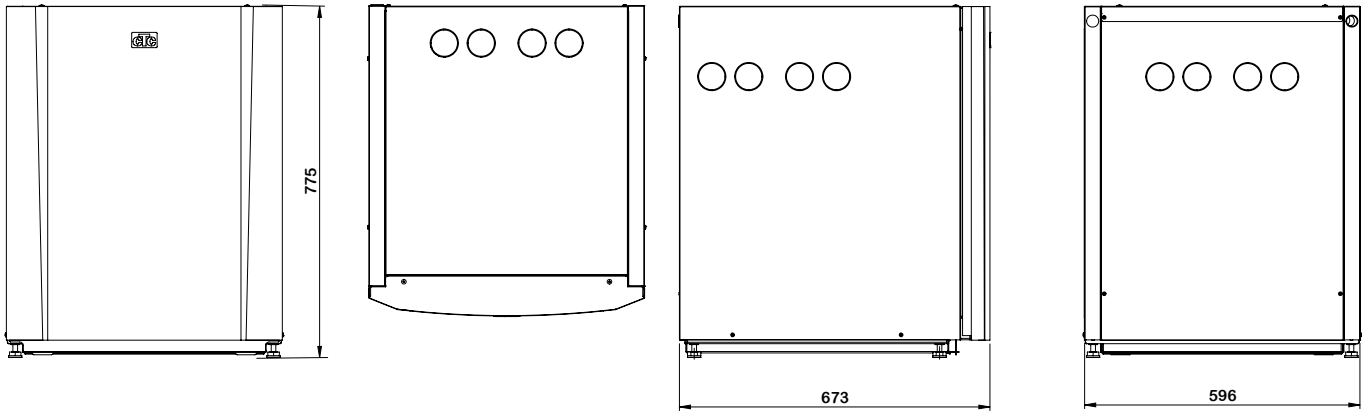
For greater needs - or if you already have a system to complement - the CTC EcoLogic L controller connects your hot water and heating system with up to ten heat pumps. The control system in the CTC EcoZenith i555 Pro and CTC EcoLogic L manages your entire heating system and controls hot water production according to your wishes and needs.

## Automatic borehole adaptation

It is not a problem if you have an old heat pump that needs to be replaced, since this product automatically adapts to the existing borehole.



## Dimensions diagram



### Connection

Brine: Ø 28 mm.

Heat carrier: Ø22 mm (612)

Heat carrier: Ø28 mm (616)

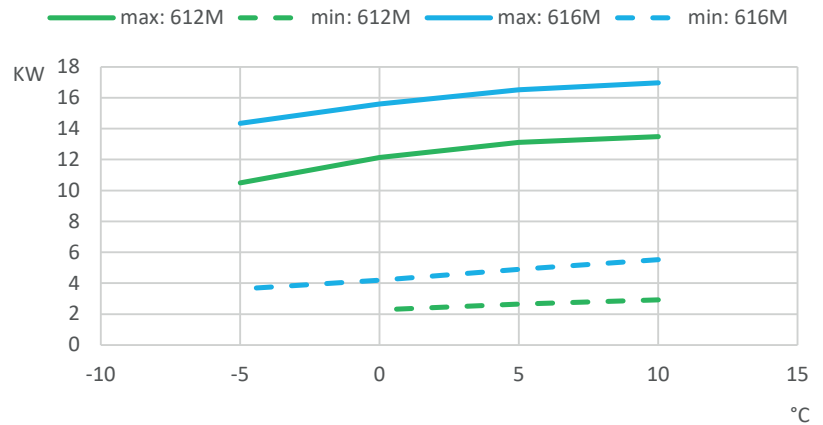
### Delivery includes:

Heat pump and manual.

### Packaging includes:

Communication cable (5 m), filler manifold, safety valve, brine tank (only 612)

## HEATING CAPACITY



Technical data 400 V		612M	616M
CTC-nr		588600001	588600002
Weight (packaged weight)	kg	170 (188)	172 (190)
Dimensions (depth x width x height)	mm	673 x 596 x 775	
Specified output max: W35 & B0/5/10 (EN14511)	kW	12.14 /13.11 /13.49	15.6 /16.52 /16.97
Input power max: W35 & B0/5/10 (EN14511)	kW	2.42 /2.34 /2.34	4.19 /4.37 /4.4
Sound power $L_{WA}$ B0/W35 (EN 12102)	dB(A)	39	42
Sound pressure $L_{pA}$ 1m B0/W35 (EN ISO 11203)	dB(A)	34	37
Electrical Data, connection		400V 3N~ 50Hz	
Rated current (Recommended fuse)	A	9.7 (10)	11.7 (13)
Ingress protection class (IP)		IP X1	
Refrigerant quantity (R407C, GWP 1774)	kg	2.40	2.2
CO <sub>2</sub> equivalent	tonnes	4.258	3.903
SCOP cold climate: W35 (EN14825, Pdesignh)		5.5	5.5
SCOP average climate: W35 (EN14825, Pdesignh)		5.4	5.2
SCOP warm climate: W35 (EN14825, Pdesignh)		5.2	5.2
Package efficiency class: W35/W55 (A+++ to G) *		A+++ / A+++	
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++	

\* The reported data applies to use with the CTC EcoLogic control unit.

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



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# Compatible control units

– refer to individual product sheets for more detailed information.



CTC EcoLogic L/M



CTC EcoLogic S EP

# Smart accessories

– supplement and simplify.

CTC EcoComfort	A passive cooling unit that uses the borehole's cool temperature.	CTC no.: 585920001
CTC Safety pressure switch	Provides a warning in the event of low brine pressure	589597301
CTC Raised base II	168 mm. For more space under the heat pump	589590301
Communication cable 10 m	For when the control unit and heat pump are far apart (more than 5m)	586041401