

An eco-friendly and
secure investment!

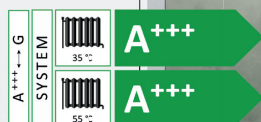
ctc
HEAT PUMPS

CTC EcoPart i600M

Compact inverter controlled ground source heat pumps.

2-16 kW, models i608M, i612M and i616M.

- Perfect for replacements
- Any amount of hot water
- Quiet and efficient
- Borehole adaptation available in three sizes
- User-friendly and smart



Find a CTC distributor in your country - www.ctc-heating.com



MADE IN SWEDEN

CTC EcoPart i608M-616M

A good-looking, smart and compact series of inverter controlled heat pumps with separate DHW production that adapts to your needs. Perfect for low ceiling height, only 1632 mm high.

Perfect for replacements

CTC EcoPart i600M is a series of compact, inverter controlled ground source heat pumps without hot water tanks but with integrated control system. Since CTC EcoPart i600M does not have a hot water tank, it has a lower height than normal heat pumps. It is therefore perfect in areas with low ceiling heights or when replacing an existing older heat pump with separate DHW heating.

Any amount of hot water

Install CTC EcoPart i600M together with one or more CTC hot water storage tanks, to adapt the hot water supply to the needs of your house. CTC AT 300/25 is specially designed to be used in combination with CTC EcoPart i600M.

Quiet and efficient

CTC EcoPart i600M is available for the single family home as well as the slightly larger property, since the inverter controlled compressor automatically adapts to the house's energy demand. The heat pump ensures that you get the perfect indoor climate and low energy consumption throughout the year. CTC EcoPart i600M produces five times as much energy as it consumes over the course of year, thanks to a 5.5 seasonal coefficient of performance (SCOP).

Borehole adaptation available in three sizes:

CTC EcoPart i600M, available in three sizes, will suit most properties: i608M with a power range of 2–8 kW, i612M at 2–12 kW and i616M at 4–16 kW.

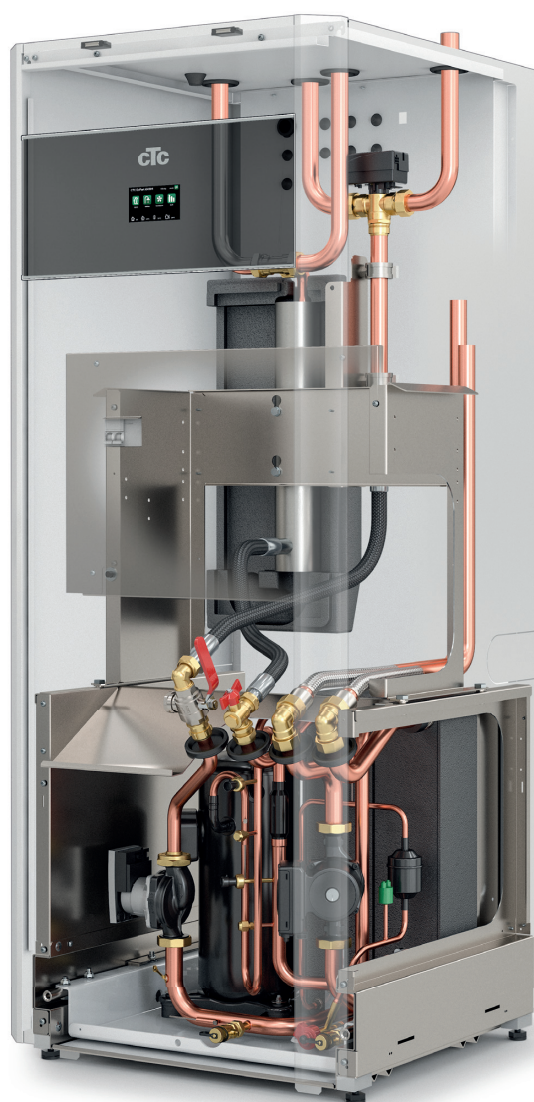
As standard, the product can control an extra heat pump and two separate heating circuits, which would be sufficient for most installations. To meet extremely high demands, CTC EcoPart i600M can be converted to control up to nine heat pumps in four heating circuits.

User-friendly and smart

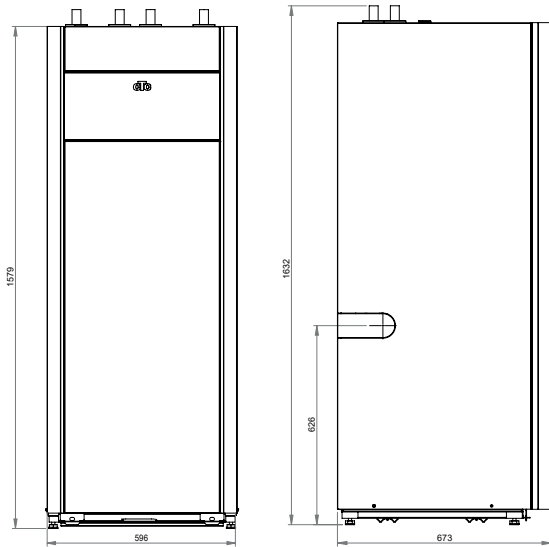
CTC EcoPart i600M is equipped with a smart, integrated touch screen, which you can use to easily access all functions and can both swipe and scroll, just like on your smartphone. In addition, you can easily mirror the display on your tablet, mobile, etc. The colour touch screen has clear symbols and multiple language options, making it easy to adjust heating and hot water, or retrieve operating data. The integrated automation system is climate-controlled and takes into account both the indoor and outdoor temperature.

Smartgrid and ready for future challenges

CTC EcoPart i600M has internet connectivity as standard. You can control your product by using the myUplink app on your mobile phone. It is also equipped to connect to Alexa, Google Home and the future power grid (SmartGrid).



Dimensions diagram



1. Primary flow Ø28
2. Return Ø28
3. Primary flow DHW Ø28
4. Return DHW Ø28

Delivery includes:

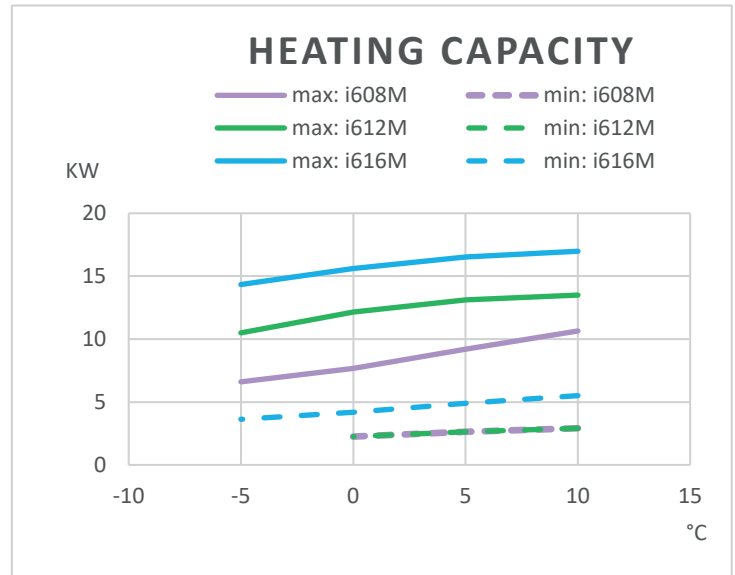
Heat pump with factory-fitted magnetite filter and manual.

Packaging includes:

Room sensor, outdoor sensor, 3 pcs 22K sensor, pressure gauge, cold water dirt filter, safety valve for brine system (3 bar) and heating system (2.5 bar).

i608M/i612M: Brine level tank, filler manifold G25

i616M: Filler manifold G32.



Technical data 3x400 V		i608M	i612M	i616M
CTC-nr		588601001	588601002	588601003
Weight (packaged weight)	kg	207 (230)	207 (230)	233 (210)
Dimensions (depth x width x height)	mm	673x596x1632		
Required ceiling height	mm	1700		
Specified output max: W35 & B0/5/10 (EN14511)	kW	7.67 /9.21 /10.65	12.14 /13.11 /13.49	15.6 /16.52 /16.97
Input power max: W35 & B0/5/10 (EN14511)	kW	1.74 /1.67 /1.69	2.42 /2.34 /2.34	4.19 /4.37 /4.40
Sound power L_{WA} B0/W35 (EN 12102)	dB(A)	34	39	42
Sound pressure L_{pA} 1m B0/W35 (EN ISO 11203)	dB(A)	29	34	37
Electrical Data, connection		400V 3N~ 50Hz		
Rated current (Recommended fuse)	A	15.2 (16)	22.7 (25)	24.7 (25)
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	2.1 /2.1 /5.8 / 5.8 /5.8	0.3 /0.9 /2.1 / 7.2 /9	- /0.3 /0.9 / 2.1 /9
Ingress protection class (IP)		IP X1		
Output range immersion heater (min-max)	kW	0.3 - 5.8	0.3 - 9.0	0.3 - 9.0
Refrigerant quantity (R407C, GWP 1774)	kg	2.40	2.40	2.20
CO ₂ equivalent	tonnes	4.258	4.258	3.903
SCOP cold climate: W35 (EN14825, Pdesignh)		5.6	5.5	5.5
SCOP average climate: W35 (EN14825, Pdesignh)		5.4	5.4	5.2
SCOP warm climate: W35 (EN14825, Pdesignh)		5.4	5.2	5.2
Package efficiency class: W35/W55 (A+++ - G)		A+++ / A+++		
Energy efficiency class: W35/W55 (A+++ - D)		A+++ / A+++		

Energy labels and data sheets can be downloaded from www.ctc-heating.com/Ecodesign



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Smart accessories

– supplement and simplify.

		CTC nr:
CTC Expansion Tank EPI600M	Mounting kit with closed expansion vessel Ø400x194mm	582799301
CTC Expansion EPI600M	External control of solar/pool/DHW circulation, etc.	589871301
CTC EcoMiniel 3x400V	Compact additional heating for heat pump systems, 3-9 kW	581759001
CTC Extra Shunt group	Complete package for neat and easy installation of additional heating circuits	587396301
CTC Mixing Valve Group 2	For installing an additional heating circuit	586857001
CTC Diverting Valve, 3-way	For interconnections in the system, e.g. pool (22 mm connection)	583621401
CTC VT 80 Volume tank	Detached volume tank with 4 connections (3/4").	587190301
CTC EcoVent 25	Exhaust air unit - Adapted for placement above the heat pump	589701001
CTC EcoComfort	A passive cooling unit that uses the borehole's cool temperature.	585920001
CTC Safety pressure switch	Provides a warning in the event of low brine pressure	589597301
CTC Current Sensor, 3-pack	For monitoring the building's main fuses	572271001
CTC Housing cover high	480 mm. Hide pipe connections, etc. with a stylish housing cover	589442301
CTC Housing cover low	146 mm. Hide pipe connections, etc. with a stylish housing cover	589440301
CTC Housing cover medium	380 mm. Hide pipe connections, etc. with a stylish housing cover	589441301
CTC Raised base II	168 mm. For more space under the heat pump	589590301
CTC DHW button	Activates the extra hot water function, wire-bound	582515301
CTC SmartControl Gateway	Base unit able to control up to seven optional units	588300301
CTC SmartControl Repeater	Amplifies the signal between the base unit and the different accessories	588300302
CTC SmartControl Room/Humidity/CO ₂ sensor	Wired sensor that can control ventilation on demand (base unit required)	588300303
CTC SmartControl Room/Humidity Sensor	Solar powered and wireless with rechargeable battery (base unit required)	588305301
CTC SmartControl Room Sensor	Solar powered and wireless with rechargeable battery (base unit required)	588306301
CTC SmartControl Multi-button	Wireless 2 mode button (base unit required)	588307301
CTC Solar Pump Station	Compact solar pump station for solar heating	587700001
CTC Start-kit EcoSol	Start kit for connecting CTC solar control with existing solar system	587458301