

An eco-friendly and  
secure investment!

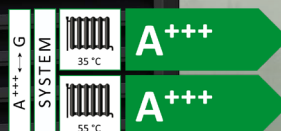


# CTC EcoAir 700M

Speed controlled air-to-water heat pumps with the natural  
refrigerant R290, for both cooling and heating.

Models 708M and 712M.

- Eco-friendly
- Produces both cooling and heating
- Low energy consumption
- High efficiency
- Easy to install
- Low noise level



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

MADE IN SWEDEN

**We combine Swedish design and engineering in a fantastic new range of heat pumps. For the perfect indoor climate they produce both cooling and heating. CTC EcoAir 700M is not just a heat pump, it is your ticket to a greener and more energy-efficient world.**

**Speed controlled**

CTC EcoAir 700M is a series of speed controlled air-to-water heat pumps that automatically adapt to the building's power requirements during the year.

**Design**

In developing the new heat pumps, our design team, in collaboration with our engineers, has focused on both the internal and external aspects.

The product has an attractive, minimalist and stylish design that will suit almost any environment. The new cover and sleek lines showcase the history of Swedish design with its eye for stunning details.

**Eco-friendly**

With 100 years of experience, we are actively working to achieve a sustainable and fossil-free society.

Coupled with environmental practices, innovation and the very latest technology,

we're moving into the future. We use R290 as the refrigerant in our heat pumps, which is one of the most natural refrigerants in existence. With a GWP (Global Warming Potential) of just 0.02, R290's contribution to the greenhouse effect is very low.

When you choose one of our heat pumps powered by R290, you are making a conscious choice for a better future. You can enjoy a comfortable indoor environment while knowing that you are doing your part to protect our planet. Welcome to a greener and more energy-efficient world.

**Cooling/heating**

The new heat pumps can both cool and heat to create the perfect indoor climate. During the colder months, CTC EcoAir supplies both heat and hot water. In the hotter periods of the year, the advanced cooling function ensures a wonderfully comfortable indoor climate. The heat pump switches from generating heat to cooling

through the underfloor heating system or a separate fan convector system. The CTC EcoAir 700M is available in two sizes: 708M and 712M.

**Highly efficient**

With high performance and an energy efficiency class of A+++, the outdoor unit reduces the energy consumption of the property. When used with our intelligent control systems, the heat pump can also be connected to the smart grid, allowing you to benefit from flexible electricity charges and reduce your energy costs even further. The new heat pumps are compatible with our tanks, indoor modules and control systems.

**Control remotely**

With myUplink app, you can monitor and control your system directly in your mobile phone. The app can be downloaded free of charge from the App Store or Google Play.

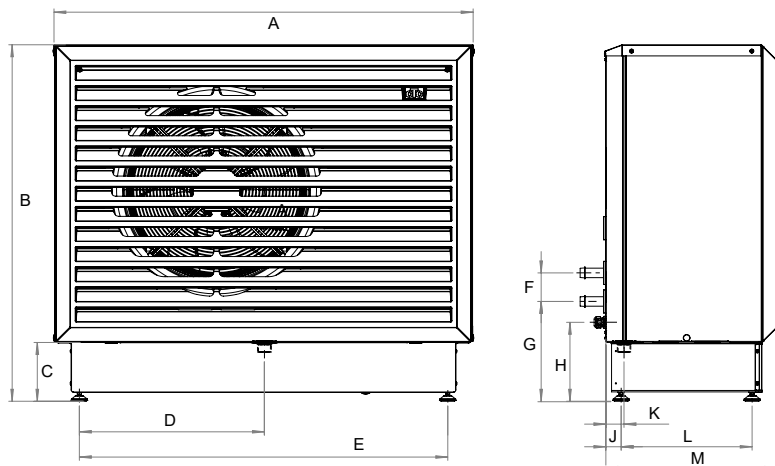
Technical data 400V		708M	712M
CTC no.		590500001	590510001
Weight (packaged weight)	kg	164 (189)	164 (189)
Dimensions (depth x width x height)	mm	510x1248x1068	
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	8.71 /6.96 /5.66 /5.51 /4.13	11.23 /9.04/7.36 /7.11 /6.24
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	1.82 /1.72 /1.62 /1.75 /1.62	2.60 /2.63 /2.54 /2.08 /2.74
Sound power L <sub>WA</sub> W35/A7 (EN 12102)	dB(A)	46	47
Sound pressure L <sub>PA</sub> 5 m	dB(A)	27	28
Sound pressure L <sub>PA</sub> 10 m	dB(A)	21	22
Electrical Data, connection		400V 3N~ 50Hz	
Rated current (max fuse)	A	4.7 (16)	8 (16)
Ingress protection class (IP)		IP X4	
Airflow: nominal/max	m <sup>3</sup> /h	2787 / 3041	2787 / 3340
Refrigerant quantity (R290, GWP 0.02)	kg	0.8	0.8
CO <sub>2</sub> - equivalent	tonnes	0.000016	0.000016
SCOP cold climate: W35/W55 (EN14825, Pdesignh)		4.25 / 3.43	4.24 / 3.38
SCOP average climate: W35/W55 (EN14825, Pdesignh)		5.04 / 3.83	5.00 / 3.86
SCOP warm climate: W35/W55 (EN14825, Pdesignh)		6.16/ 4.67	6.07 / 4.48
Package efficiency class: W35/W55 (A+++ to G) *		A+++ / A+++	A+++ / A+++
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++	A+++ / A+++
Cooling capacity max: A27 & W18 / W7 (EN14511)	kW	8.44 / 6.30	8.44 / 6.30
EER max: A27 & W18 / W7 (EN14511)		3.75 / 3.05	3.75 / 3.05
Cooling capacity max: A35 & W18 / W7 (EN14511)	kW	7.53 / 5.65	7.53 / 5.65
EER max: A35 & W18 / W7 (EN14511)		2.93 / 2.42	2.93 / 2.42

\* The reported data applies to use with the CTC EcoZenith i360 control unit.

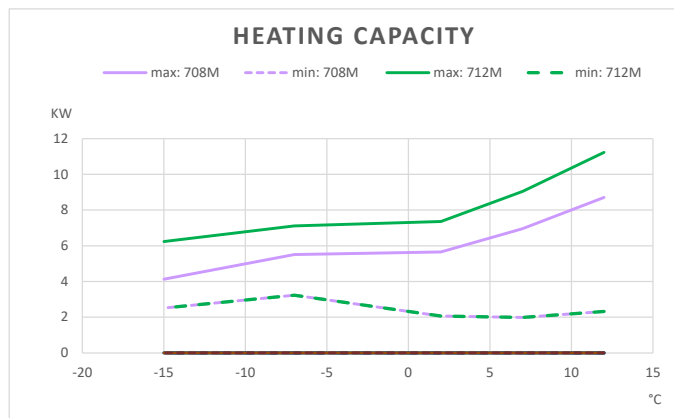
Energy labels and data sheets can be downloaded from [www.ctc-heating.com/Ecodesign](http://www.ctc-heating.com/Ecodesign).



## Dimensions diagram



708M/712M	
A	1248
B	1068
C	175
D	551
E	1097
F	85
G	297
H	235
J	46
K	54
L	390
M	510



### Delivery includes:

Heat pump with factory-fitted connectors for power supply and communication: Communication cable 15 m. Power cable 2 m.

### Packaging includes:

Manual and filter ball valve: G1"

Technical data 230 V		708M	712M
CTC no.		590501001	590511001
Weight (packaged weight)	kg	160 (185)	160 (185)
Dimensions (depth x width x height)	mm	510x1248x1068	
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	8.71 /6.96 /5.66 /5.51 /4.13	11.23 /9.04/7.36 /7.11 /6.24
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	1.82 /1.72 /1.62 /1.75 /1.62	2.60 /2.63 /2.54 /2.08 /2.74
Sound power $L_{WA}$ W35/A7 (EN 12102)	dB(A)	46	47
Sound pressure $L_{PA}$ 5 m	dB(A)	27	28
Sound pressure $L_{PA}$ 10 m	dB(A)	21	22
Electrical Data, connection		230V 1N~ 50Hz	
Rated current (max fuse)	A	16 (16)	16 (16)
Ingress protection class (IP)		IP X4	
Airflow: nominal/max	m <sup>3</sup> /h	2787 / 3041	2787 / 3340
Refrigerant quantity (R290, GWP 0.02)	kg	0.8	0.8
CO <sub>2</sub> - equivalent	tonnes	0.000016	0.000016
SCOP cold climate: W35/W55 (EN14825, Pdesignh)		4.25 / 3.43	4.24 / 3.38
SCOP average climate: W35/W55 (EN14825, Pdesignh)		5.04 / 3.83	5.00 / 3.86
SCOP warm climate: W35/W55 (EN14825, Pdesignh)		6.16 / 4.67	6.07 / 4.48
Package efficiency class: W35/W55 (A+++ to G) *		A+++ / A+++	A+++ / A+++
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++	A+++ / A+++
Cooling capacity max: A27 & W18 / W7 (EN14511)	kW	8.44 / 6.30	8.44 / 6.30
EER max: A27 & W18 / W7 (EN14511)		3.75 / 3.05	3.75 / 3.05
Cooling capacity max: A35 & W18 / W7 (EN14511)	kW	7.53 / 5.65	7.53 / 5.65
EER max: A35 & W18 / W7 (EN14511)		2.93 / 2.42	2.93 / 2.42

# Compatible control units

– refer to individual product sheets for more detailed information.



CTC EcoVent i360F

CTC EcoZenith i360 L/H

CTC EcoZenith  
i555 Pro  
\* 712M

CTC EcoPart  
400 Pro

CTC EcoPart  
i600M



CTC EcoLogic L/M



CTC EcoLogic S



# Smart accessories

– supplement and simplify.

		CTC nr:
CTC Installation Kit EA	For frost-protected outdoor installations. Flexible hoses with insulation and connections	589534402
CTC Charge Pump 25/70-130	7.0 m A-class PWM. Suitable for 6-8 kW heat pumps	587477303
CTC Charge Pump 25/7.5-130	7.5 m A-class PWM. Suitable for 10-12 kW heat pumps	587477302
CTC Charge Pump 25/8.5-130	8.5 m A-class PWM. Suitable for 14-22 kW heat pumps	587477301
CTC Condensation drain EA 1m	Insulated condensate drain hose with heating cable 1 m	590955301
CTC Condensation drain EA 3m	Insulated condensate drain hose with heating cable 3 m	590955302
CTC Condensation drain EA 6m	Insulated condensate drain hose with heating cable 6 m	590955303
CTC Rear base plate EA 708/712	Rear base plate for freestanding heat pump placement	591060301
CTC Heating Cable	Frost protection kit for condensate pipe with 5 m cable	586685401
CTC terminal set	For connecting an external heating cable or circulation pump in the heat pump	586394401