

# CTC EcoAir 700M

Modulating air-to-water heat pumps  
for both cooling and heating.

Models: 708M, 712M and 720M.



We combine Swedish design and engineering in a fantastic 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 modulating 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 over 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. The refrigerant we use in the

CTC EcoAir 700M is R290, 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 CTC EcoAir 700m can both cool and heat to create the perfect indoor climate. During the colder months, CTC EcoAir 700M 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 three sizes: 708M, 712M and 720M.

#### 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

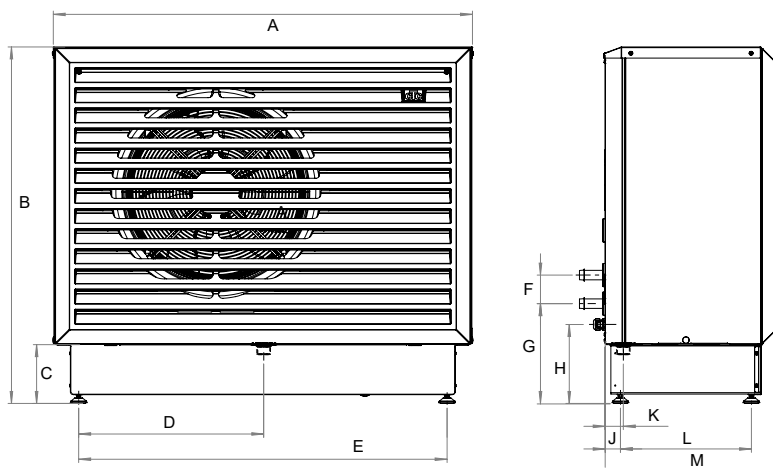
With myUplink app, you can monitor and control your system directly in your mobile phone. The app can be downloaded free of charge from the App Store or Google Play.

Technical data 400V		708M	712M	720M
CTC no.		590500001	590510001	590530001
Weight (packaged weight)	kg	164 (189)	164 (189)	206 (237)
Dimensions (depth x width x height)	mm	510x1248x1068		607x1409x1195
Specified output max: W35 & A +12/+7/+2/-2/-7/-15 (EN14511)	kW	8,71 / 6,96 / 5,66 / 5,24 / 5,51 / 4,13	11,23 / 9,04 / 7,36 / 7,04 / 7,11 / 6,24	21,82 / 18,2 / 15,49 / 14,32 / 13,57 / 12,01
Input power max: W35 & A +12/+7/+2/-2/-7/-15 (EN14511)	kW	1,82 / 1,72 / 1,62 / 1,66 / 1,75 / 1,62	2,6 / 2,63 / 2,54 / 2,66 / 2,80 / 2,74	5,79 / 6,05 / 5,97 / 5,91 / 6,06 / 5,98
Cooling capacity max: A35 & W18 / W7 (EN14511)	kW	7.53 / 5.65	7.53 / 5.65	17.22 / 13.00
EER max: A35 & W18 / W7 (EN14511)		2.93 / 2.42	2.93 / 2.42	2.92 / 2.49
Sound power L <sub>WA</sub> W35/A7 (EN 12102)	dB(A)	46	47	54
Sound pressure L <sub>PA</sub> 5 m	dB(A)	27	28	35
Sound pressure L <sub>PA</sub> 10 m	dB(A)	21	22	29
Electrical Data, connection		400V 3N~ 50Hz		
Rated current (max fuse)	A	4.7 (16)	8 (16)	16.55 (20)
Ingress protection class (IP)		IP X4		
Airflow: nominal/max	m³/h	2787 / 3041	2787 / 3340	6516 / 7319
Refrigerant quantity (R290, GWP 0.02)	kg	0.8	0.8	1.2
CO <sub>2</sub> - equivalent	tonnes	0.000016	0.000016	0.000024
SCOP cold climate: W35/W55 (EN14825, Pdesignh)		4.25 / 3.43	4.24 / 3.38	4.18 / 3.41
SCOP average climate: W35/W55 (EN14825, Pdesignh)		5.04 / 3.83	5.00 / 3.86	5.35 / 4.09
SCOP warm climate: W35/W55 (EN14825, Pdesignh)		6.16 / 4.67	6.07 / 4.48	6.35 / 4.78
Package efficiency class: W35/W55 (A+++ to G) *		A+++ / A+++	A+++ / A+++	A+++ / A+++
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++	A+++ / A+++	A+++ / A+++

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

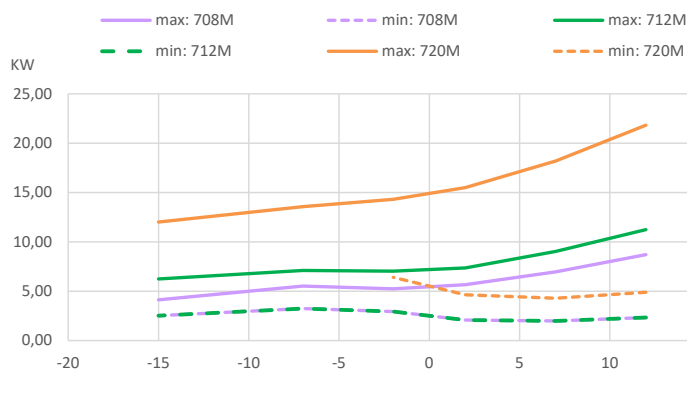
Energy labels and data sheets can be downloaded from [www.ctc-heating.com/Ecodesign](http://www.ctc-heating.com/Ecodesign).





	708M/712M	720M
A	1248	1409
B	1068	1195
C	175	176
D	551	588
E	1097	1256
F	85	85
G	297	298
H	235	236
J	46	41
K	54	54
L	390	492
M	510	607

### HEATING CAPACITY



#### Delivery includes:

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

#### Packaging includes:

Manual, base plate and filter ball valve:  
708M-712M: G1" /720M: G1 1/4"

### 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/-2/-7/-15 (EN14511)	kW	8,71 / 6,96 / 5,66 / 5,24 / 5,51 / 4,13	11,23 / 9,04 / 7,36 / 7,04 / 7,11 / 6,24
Input power max: W35 & A +12/+7/+2/-2/-7/-15 (EN14511)	kW	1,82 / 1,72 / 1,62 / 1,66 / 1,75 / 1,62	2,6 / 2,63 / 2,54 / 2,66 / 2,80 / 2,74
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
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		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+++

# Compatible control units

– refer to individual product sheets for more detailed information.



CTC EcoVent  
i360F

CTC EcoZenith  
i360 L/H

CTC EcoZenith  
i555 Pro

CTC EcoZenith  
i255 L/H

CTC EcoPart  
400 Pro

CTC EcoPart  
i600M



CTC EcoLogic L/M



CTC EcoLogic S



# Smart accessories

– supplement and simplify.

CTC Installation Kit EA

CTC Safety valve 2.5 bar

CTC Charge Pump 25/70-130

CTC Charge Pump 25/7.5-130

CTC Charge Pump 25/8.5-130

CTC Condensation drain EA 1m

CTC Condensation drain EA 3m

CTC Condensation drain EA 6m

CTC Rear base plate EA 708M/712M

CTC Rear base plate EA 720M

CTC Heating Cable

CTC terminal set

For frost-protected outdoor installations. Flexible hoses with insulation and connections

Replacement valve for installations in 3 bar heating systems. G3/4" x 22mm

7.0 m A-class PWM. Suitable for 6-8 kW heat pumps

7.5 m A-class PWM. Suitable for 10-12 kW heat pumps

8.5 m A-class PWM. Suitable for 14-22 kW heat pumps

Insulated condensate drain hose with heating cable 1 m

Insulated condensate drain hose with heating cable 3 m

Insulated condensate drain hose with heating cable 6 m

Rear base plate for freestanding heat pump placement

Rear base plate for freestanding heat pump placement

Frost protection kit for condensate pipe with 5 m cable

For connecting an external heating cable or circulation pump in the heat pump

CTC no:

589534402

591248301

587477303

587477302

587477301

590955301

590955302

590955303

591060301

591466301

586685401

586394401