Made in Småland

CTC EcoAir 700M

Effective, stylish and sustainable - for both heating and cooling.

Modulating air-to-water heat pumps using R290.
Models: 708M, 712M and 720M.



www.ctc-heating.com

We combine Swedish design and engineering in an outstanding 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.

Adaptable
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.

Swedish design
In developing the CTC EcoAir 700M, our design team, in collaboration with our engineers, has focused on both internal and external aspects. The product features an attractive, minimalist and stylish design that suits almost any environment. The sleek lines reflect the tradition of Swedish design, known for its eye for stunning detail.

Quiet – almost silent
CTC EcoAir 700M is a quiet air-to-water heat pump developed for high comfort and low noise levels. With inverter-controlled operation and modern technology, the heat pump operates almost silently and is ideally suited even for sensitive environments and densely populated areas.

Climate caring technology
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, a climate-friendly alternative with an extremely low global warming potential (GWP) of only 0.02.

A sustainable choice for the future
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.

Year-round heating and cooling
CTC EcoAir 700M provides efficient heating and cooling to maintain the perfect indoor climate throughout the year. Even in extremely cold conditions, down to –25 °C, the heat pump delivers reliable heating and domestic hot water. On warmer days (up to +40 °C), the advanced cooling function ensures a pleasant and comfortable indoor environment. The system seamlessly switches between heating and cooling, operating through an underfloor heating system or a separate system with fan convectors.

Energy-efficient performance
With high performance and an energy efficiency class of A+++, the outdoor unit helps reduce the property's energy consumption. CTC EcoAir 700M is available in three sizes – 708M, 712M and 720M – and is compatible with our complete range of indoor modules and controllers.

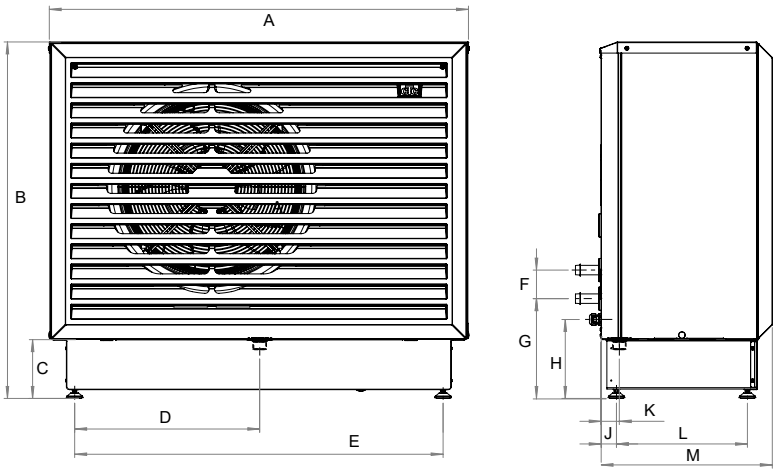
Connected and ready for the future
All CTC controllers have internet connection as standard. With the myUplink app, you can control and monitor your system directly from your mobile phone - adjust temperature, receive operating alarms and view real-time status. The system is also smart home ready (e.g. Alexa, Google Home) and Smartgrid compatible.

CTC – Experience you can rely on
CTC is a Swedish brand with over a century of experience in heating technology. When you choose a product from CTC, you're not just investing in reliability — you're getting solid warranties, expert service, and support from people who know the system inside and out.

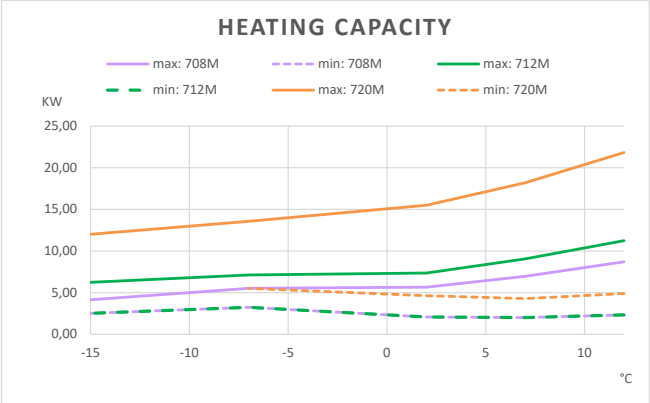
Technical data 400V		708M	712M	720M
CTC no.		590500001	590510001	590530001
Weight (packaged weight)	kg	164 (189)	164 (189)	206 (237)
Dimensions (depth x width x height)	mm	510x1248x1068		607x1409x1195
Specified output max: W35 & A +12/+7/+2/-2/-7/-15 (EN14511)	kW	8,71 /6,96 /5,66 / 5,24 /5,51 /4,13	11,23 /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_{WA} W35/A7 (EN 12102)	dB(A)	46	47	54
Sound pressure L_{PA} 5 m	dB(A)	27	28	35
Sound pressure L_{PA} 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	m^3/h	2787 / 3041	2787 / 3340	6516 / 7319
Refrigerant quantity (R290, GWP 0.02)	kg	0,8	0,8	1,2
CO_2- 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 EcoLogic control unit.
Energy labels and data sheets can be downloaded from www.ctc-heating.com/Ecodesign.

ENERGY FLEX
eco FRIENDLY R290



	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



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 ¼"

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_{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^3/h	2787 / 3041	2787 / 3340
Refrigerant quantity (R290, GWP 0.02)	kg	0,8	0,8
CO_2- 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^{+++}

CE 012

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 M-XL



CTC EcoLogic S

Smart accessories

– supplement and simplify.

		CTC no:
CTC Installation kit EA	For frost-protected outdoor installations. Flexible hoses with insulation and connections	586534402
CTC Safety valve 2.5 bar	Replacement valve for installations in 3 bar heating systems. G3/4" x 22mm	591248301
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 708M/712M	Rear base plate for freestanding heat pump placement	591060301
CTC Rear base plate EA 720M	Rear base plate for freestanding heat pump placement	591466301
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

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