



CTC EcoVent i360F

Better heating economy with integrated exhaust air ventilation

A new stylish smart and economical concept for properties with exhaust air heating.



ENERGY FLEX

Find a CTC distributor in your home country
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CTC EcoVent i360F together with CTC EcoAir gives you better heating economy with integrated exhaust air ventilation!

Quiet and efficient

The CTC EcoVent i360F is an indoor module with heat pump control and integrated ventilation, which, when used in combination with an air-to-water heat pump, makes the system significantly more energy-efficient, smarter and quieter. With the compressor located outside the building, you get a considerably quieter indoor climate. Since we use outdoor air to heat both the building and DHW you achieve better heating economy. Smart, right?

Energy in the air is free

For maximum energy savings, install the CTC EcoVent i360F with one of Sweden's best-selling air-to-water heat pumps: CTC EcoAir. With this combination, you save up to 30% more than you would with a traditional exhaust air heat pump.

Energy-efficient solution for the perfect indoor climate

The CTC EcoVent i360F ventilates the property, produces heat and hot water, and ensures that you always have the perfect indoor climate. Ventilation air in all wet zones is extracted by means of the

built-in fan, and produces a weak vacuum, which helps to vent air in other rooms via the different wet zones in the building. The ventilation ducts are optimised to suit most ventilation connections when replacing an exhaust air pump.

High volume of hot water

The most important function of the indoor module is to produce a lot of hot water as frugally and quickly as possible. You and your family will not be disappointed with CTC EcoVent i360F since it is equipped with the same ultra-efficient DHW heating as the CTC GSi ground source heat pump, and produces over 300 litres of hot water.

User-friendly display

CTC EcoVent i360F has a fully integrated touch display with a very user-friendly interface through which you can easily access all functions – just like your smartphone. You can also mirror the display on your tablet, phone or computer. But most importantly, it has a multi-language interface and clear symbols that make it easy to adjust heating, hot water, etc. and retrieve a wealth of information about the operation.

EnergyFlex

The integrated automatic mixing valve is climate-controlled and takes into account both the indoor and outdoor temperatures. The product is able to control two individual heating circuits as standard. With accessories you can easily add solar heating, set up your water-jacketed stove or boiler so that they too can contribute heat, or connect a pool.

Built-in internet connectivity

CTC EcoVent i360F has internet connectivity as standard, so you can easily control your heat pump remotely. To ensure compatibility with smart homes, the product is equipped for connection to Alexa, Google Home, etc. It is also SmartGrid-ready, which means it is equipped for the electricity grid of the future.

Made in Sweden

All CTC heat pumps and control units are designed, developed and manufactured in our factory in Ljungby. This gives us total control of all stages of the manufacturing process.



Benefits

- Stylish design
- Smart touch display with user-friendly interface
- Economical: saves up to 30% more than a traditional exhaust air heat pump.
- Optimal solution when replacing an exhaust air heat pump
- Produces over 300 litres of hot water
- Internet connection as standard



Whenever you purchase a product from CTC, it usually comes fully equipped, but there are also a few smart accessories to make life even easier.

myUplink CTC

With the myUplink app, you can monitor and control your system directly via your mobile phone. For instance, you can adjust the temperature or be alerted if the system shuts down for any reason. The myUplink app can be downloaded for free from the App Store or Google Play.



CTC SmartControl

A series of smart wireless sensors which detect temperature, humidity and carbon dioxide. The system is based on CTC SmartControl Gateway, a base unit able to control up to seven optional wireless accessories.

The series includes a wireless room sensor powered by solar cells, a humidity and CO₂ sensor that can control ventilation as needed, a repeater that amplifies signals between different accessories and a multi-button able to control several different functions, such as additional hot water.

CTC Extra Mixing Valve Group

Complete package for neat and easy installation of additional heating circuits. Complete and ready-to-use with connected controls – so getting started is quick and simple. Equipped with an energy-efficient circulation pump, in accordance with the ErP Directive. Well-insulated unit with easy external access to all adjustment controls and electronic components.

CTC no.: 587396301



Adapt your product to your ceiling height

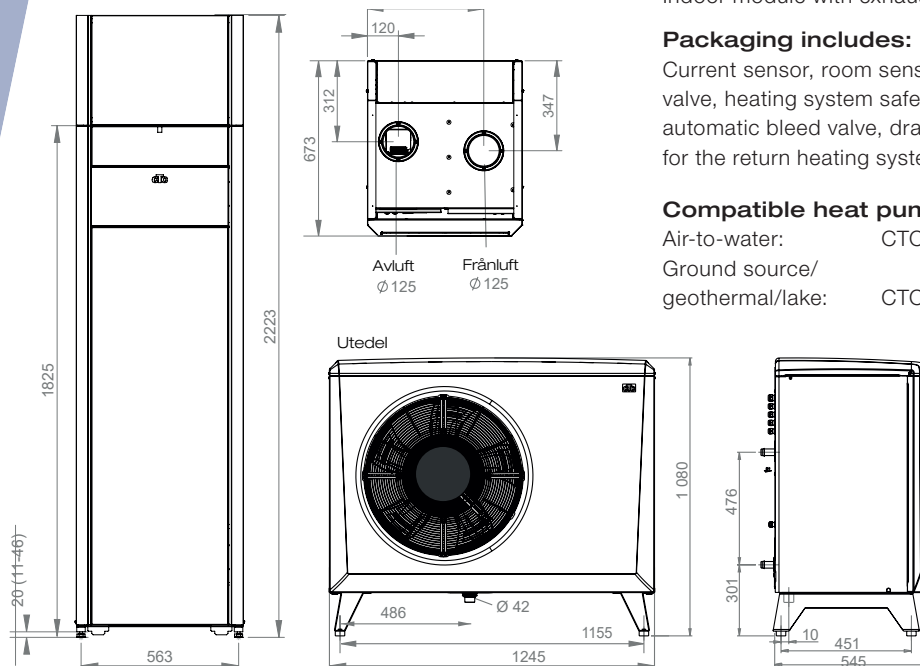
Conceal pipe connections, etc. with a stylish housing cover. Housing covers are available in three heights and all are combinable to fit most ceiling heights.

Housing Cover, low	146 mm CTC no.: 589440301
Housing Cover, medium	380 mm CTC no.: 589441301
Housing Cover, high	480 mm CTC no.: 589442301

Other accessories

		CTC no.:
CTC SMS Control	For remote control of heat pump via SMS	585518301
CTC Volume Tank VT80	Detached volume tank with 4 connections (3/4")	587190301
CTC Mixing Valve Group EnergyFlex	For installing additional heat sources (28 mm connection)	587813301
CTC Expansion EnergyFlex II	External control of solar/pool/DHW circulation, etc.	589262301
CTC Radiator Pump	Additional circulation pump for the system/additional heating circuit (25/6-130)	588892301
CTC Diverting Valve, 3-way	For interconnections in system, e.g. pool (22 mm connection)	583621401

Dimensions diagram



Delivery includes:

Indoor module with exhaust air ventilation and manual.

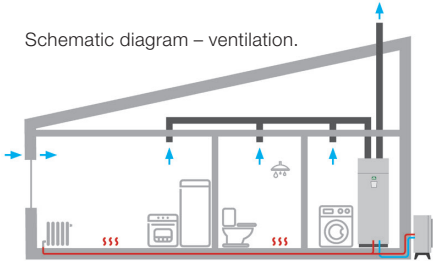
Packaging includes:

Current sensor, room sensor, outdoor sensor, pressure gauge, filling valve, heating system safety valve, 2.5 bar, dirt filter for cold water, automatic bleed valve, drainage valve 1/2", and ball filter with magnet for the return heating system.

Compatible heat pumps:

Air-to-water: CTC EcoAir 406-408, 510-622M

Ground source/
geothermal/lake: CTC EcoPart 406-412, 612-616M

Technical data 3x400V		CTC EcoVent	- with outdoor unit CTC EcoAir		
		i360F	406	408	614M
CTC no.		589700001	585600001	585600002	588400001
Weight	kg	184	120	126	174
Dimensions (depth x width x height)	mm	673x596x2223	545x1245x1080		
Electrical Data, connection		400V 3N~ 50Hz			
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	-	7.24/6.22/ 4.69/3.87/2.84	9.12/7.83/ 6.02/4.73/3.63	7.43/6.42/ 5.31/4.11/3.15
COP: W35 & A +12/+7/+2/-7/-15 (EN14511)		-	5.44/4.78/ 3.66/3.10/2.42	5.50/4.83/ 3.76/3.02/2.42	5.58/4.85/ 4.05/3.27/2.60
Max. immersion heater output at group fuse: 10/13/16/20/25 A		3.5/6.1/8.9/9.9/11.9	-		
Rated current / with speed regulation in control unit	A	19	4.0	4.9	10.2/9.4
Recommended fuse / with speed regulation in control unit	A	20	10	10	13/10
Output range immersion heater (min-max)	kW	0.5-11.9	-		
Package efficiency class: W35/W55 ¹⁾ (A+++ - G)		A+++/A++	A++/A+	A++/A+	A+++/A+++
Energy efficiency class: W35/W55 ¹⁾ (A+++ - D)		A+++/A++	A++/A+	A++/A+	A+++/A+++
Ingress protection class (IP)		IPX1	IPX4		
Energy efficiency class DHW / charge profile (A+ - F) (EN16147)		A+++/XL	-		
DHW performance V ⁴⁰ Economy/Normal/Comfort (EN 16147)	litres	210/235/304	-		
Ventilation					
Specific energy consumption (SEC) cold/moderate/warm climate	kWh/m2/year	-54.4/-27.4/-11.9			
Specific energy consumption class (EU) no. 1254/ Appendix II ¹⁾ (A+ - G)		B			
Maximum flow	l/s (m³/h)	80 (288)			
Reference flow (SEK), (EU) no. 1254	l/s (m³/s)	56 (0.056)			
Sound power max. flow (L _{WA})	dB(A)	42			
Sound power reference flow (L _{WA})	dB(A)	35			
Filter class EN 779		G4			
Max/min building size (at 0.35 l/s m²)	m²	228/80			
Outdoor unit					
Airflow: max	m³/h		2500	2800	3129
Sound power L _{WA} EN 12102 (A7/W35) / A7 & W35/W55) ²⁾	dB(A)		56	58	51
Sound pressure L _{pA} 5 m (A7/W35) / A7 & W35/W55)	dB(A)		37	39	32
Sound pressure L _{pA} 10 m (A7/W35) / A7 & W35/W55)	dB(A)		31	33	26
Refrigerant quantity (R407C, GWP 1774)	kg		2.2	2.2	2.2
CO ₂ equivalent	tonnes		3.902		3.903

¹⁾ Energy labels and data sheets can be downloaded from www.ctc-heating.com/Ecodesign

²⁾ Sound data should be considered an indication only, as sound is affected both by power output and the surroundings.