CTC EcoZenith i350 L/H

Indoor module with heat pump control - available in two heights

The new and more efficient indoor module with the highest hot water capacity in its class!

MADE IN SWEDEN

35 °C — A+++

XL — A

www.ctc-heating.com

CTC EcoZenith i350 was developed using the latest technology and has the highest hot water capacity in its class!

High Volume of Hot Water
CTC EcoZenith i350 is equipped with the same ultra-efficient water heater technology as the geothermal heat pump CTC GSi 12. When combined with CTC EcoAir or CTC EcoPart, it can produce over 310 litres of hot water - which is the best in its class.

A Complete Heat Pump
CTC EcoZenith i350 is an efficient indoor module with built-in heat pump control. To achieve the perfect combination for a complete heat pump, install it together with the efficient CTC EcoAir 510M-520M, or CTC EcoAir 406-408 air-to-water heat pumps. For those who prefer geothermal, ground, or lake heating, CTC EcoPart 406-412 is ideal.

SCOP
Owing to our new and efficient insulation which produces minimal energy losses, and a combination of one of the ultra-efficient, variable speed air-to-water heat pumps, we can confidently present very high SCOP values.

Stylish Design
CTC EcoZenith i350 has the same stylish white design as our geothermal heat pumps, which means that it blends into most environments very well.

Low Ceiling Height? No Problem!
Choose the indoor module with an appropriate height for your home. Available in two heights:
1,666 or 1,924 mm. The low model has pipe connections at the top while the high model connects at the bottom.

Controlling and Setting
The 4.3-inch colour touchscreen has clear symbols with English text which makes it easy to adjust the heat and hot water or to retrieve a variety of operational information.

Climate Controlled
The built-in automatic control is climate controlled and takes into account both indoor and outdoor temperatures. CTC EcoZenith i350 is able to control two individual heating systems as standard.

All-inclusive
Most functions come as standard with the new CTC EcoZenith i350.

The expansion tank, supply cable and primary flow sensor are factory-fitted, and the manometer and automatic air vent are supplied in the packaging.

Easy To Add Extras
The Installation Kit accessory for EnergyFlex allows you to easily add solar heating, or set up your water-jacketed stove or boiler so that they too can contribute heat. Or why not connect a pool so you can also enjoy the warmth in summer?

Free Cooling is a Cool Accessory
Now you can also cool down in the summer. Add passive cooling (in combination with CTC EcoPart) which uses the borehole's cool temperature to provide pleasantly cooling air.

Control Your Home with a Smartphone
Take full control of your heat pump with CTC Internet and CTC Connect, which allow you to easily control the heat pump from your smartphone. Download the app for free from the App Store or Google Play.

The low model has pipe connections at the top

4.3-inch colour touchscreen with built-in control for heat pump

Free Cooling as a cool accessory

Built-in, low-energy circulation pump for easy connection of the heat pump and heating system

Smart Grid as standard, i.e. ready for future electricity grids

Available in two heights: 1,666 mm / 1,924 mm

EnergyFlex gives you total flexibility to connect other heat sources

New and efficient insulation for minimal heat loss

Flow heater with an 11.9 kW capacity, which operates when needed

Can control two different heating systems

Factory-fitted Expansion Tank, Supply Cable and Primary Flow Sensor

The high model has pipe connections at the bottom

Energy labelling stickers can be downloaded from: www.ctc-heating.com/ecodesign.

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

CTC Internet
With CTC Internet and the CTC Connect 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. CTC Connect can be downloaded for free from the App Store or Google Play.

CTC no: 587581301

Adapt Your Product to Ceiling Height.
Hide pipe connections, etc. with a stylish top cabinet, or set the product on a base in the same design. Top cabinets are available in three heights (155, 488 and 168 mm), and the base comes in one height (168 mm). They can all can be combined to fit most ceiling heights. Standard cabinet (155 mm) supplied with the product on delivery.

Top cabinet	480 mm CTC no: 586463302R	
	580 mm CTC no: 586463303R	
Raised base	168 mm CTC no: 587810301	

CTC CFA III Exhaust Air Unit
Allows for neat and easy installation in buildings with mechanical exhaust air ventilation. The used air is ventilated out and new, fresh air is supplied to the building by the building's own air supply diffuser.

CTC no: 586715001

CTC EcoVåf III Exhaust Air Unit with Recovery.
Designed to dock with CTC's geothermal/ground heat pumps in buildings with mechanical exhaust air ventilation. Recovers the heat from the exhaust air and raises the temperature of the brine, which produces a higher COP.

CTC no: 586713001

CTC Wireless Room Sensor
Place it anywhere in your house – no need to run cables. Set the desired temperature that you want the heat pump to work towards. You can connect two room sensors for each product.

CTC no: 585520301

Extra wireless room unit: CTC no: 585521401

CTC Extra Mixing Valve Group
Complete package for neat and easy installation of additional heating circuits. Complete and ready-to-use with connected controls, which means that 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

Other Accessories

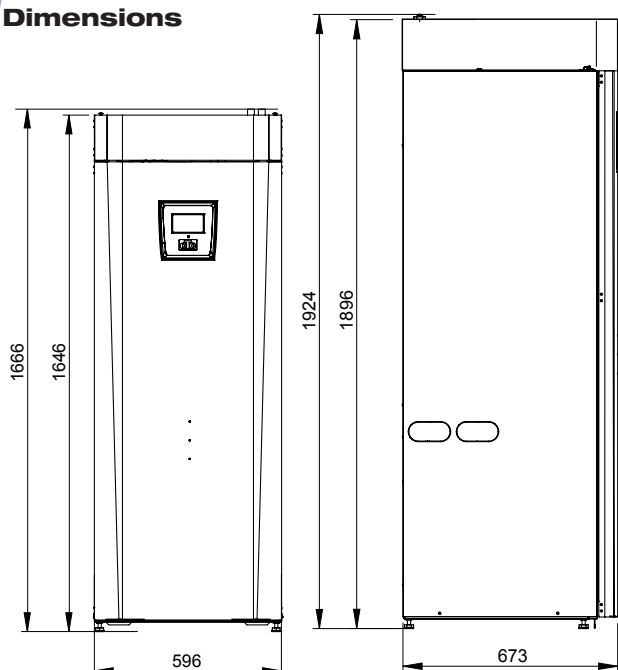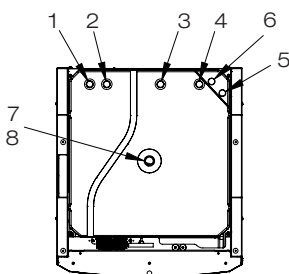|		
CTC SMS Control: GSM modem that easily plugs into the heat pump control.		585518301
CTC BMS/Internet: For remote, online premises control via Modbus.		585513301
CTC Volume Tank VT80: Detached volume tank with 4 connections (3/4").		587190301
CTC Mixing Valve Group EnergyFlex: For installing additional heat sources (connection 28 mm).		587813001
CTC Mixing Valve Group 2: For installing additional heating circuits (connection 22 mm).		586857001
CTC Radiator Pump: Additional circulation pump for the system/ additional heating circuit.		586361401
CTC Diverting Valve, 3-way: For interconnections in the system (connection 22 mm).		583621401

Dimensions

Low

1. Cold water
2. DHW
3. Return line
4. Primary flow
5. To HP
6. From HP
7. Expansion
8. Lifting sleeve

High

Supplied on Delivery
Heat pump with housing cover and manual

Packaging:
Outdoor Sensor, Room Sensor, Safety Valve 2.5 bar, Filter ball Valve with magnet, Dirt Filter, Current Sensor, Manifold; Automatic Air Vent, Manometer, Filling Valve, T-connection 22-15-22, Drainage Valve 1/2" (factory-fitted on low model), and instructions.
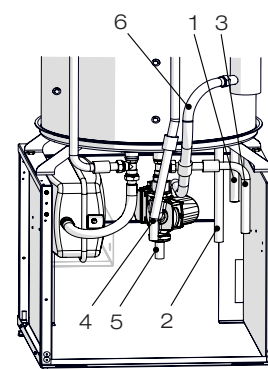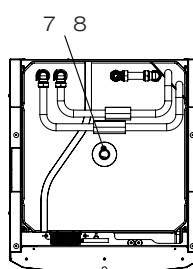
Compatible heat pumps:
Variable speed air-to-water: CTC EcoAir 510M-520M
Air-to-Water: CTC EcoAir 406-408.
Fluid-to-Water (Geothermal): CTC EcoPart 406-412.

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Technical Data CTC EcoZenith		i350L 3x400V	i350H 3x400V	i350L 1x230V	i350L 3x230V
CTC no.		587800001	587803001	587801001	587802001
Weight (packaged weight)	kg	143 (173)	155 (185)	143 (173)	143 (173)
Dimensions (width x depth x height)	mm	596x673x1666	596x673x1924	596x673x1666	596x673x1666
Required ceiling height	mm	1669	1925	1669	1669
Electrical Data, connection		400V 3N~ 50Hz	400V 3N~ 50Hz	230V 1N~ 50Hz	230V 3N~ 50Hz
Rated power	kW	12.2	12.2	9.3	10.3
Max. Electrical element power @ Group fuse 16/20/25/32/50A	kW	8.9/11.9/11.9/-/-	8.9/11.9/11.9/-/-	2.9/4.6/5.8/7.5/9	5/7.5/-/10/-
Protection class	IP	IP X1	IP X1	IP X1	IP X1
Electrical element power (31 level settings)	kW	0-11.9	0-11.9		
Electrical element power (30 level settings)	kW			0-9	
Electrical element power (4 level settings)	kW				0-10
Energy class heating 35/55°C (in package with EA510M)		A^{+++}/A^{++}	A^{+++}/A^{++}	A^{+++}/A^{++}	A^{+++}/A^{++}
Energy class heating (without heat pump)		D	D	D	D
Hot water performance (Vmax)*/ Load profile**	litres*/	>300 / XL	>300 / XL	>300 / XL	>300 / XL
Water volume (Heating System) (V) (PED)	litre	225	225	225	225
Water volume (Water Supply System) (V) (PED)	litre	1.7	1.7	1.7	1.7
Max. operating pressure (PS) (PED)	Mpa/bar	0.3/3.0	0.3/3.0	0.3/3.0	0.3/3.0
Max. operating pressure (Water Supply System) (PED)	bar	10	10	10	10
Max. operating temperature (TS/T) (PED)	°C	100	100	100	100
Max. adjustable hot water temperature	°C	65	65	65	65
Product Kvs value		2.6	2.7	2.6	2.6

*   Volume of hot water 40°C.
** Class according to Regulation (EU) no. 813/2013