

CTC EcoZenith i255

Flexible indoor module with built-in heat pump control – available in two heights. 12-18 kW



Flexible indoor module with user-friendly display, built-in heat pump control and internet connectivity.

CTC EcoZenith i255 has a 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.

The indoor module must never be the weak link – then it won't matter how efficient your heat pump is. For the CTC EcoZenith i255 we have chosen the same technology as in the ground source heat pump CTC EcoHeat. The CTC EcoZenith i255 is built with a water buffer that ensures good operating conditions for the compressor, irrespective of the heating system. This minimises the risk of clicks and other noises in your radiator system. The CTC EcoZenith i255 has many advantages: How about intelligent heat pump control? A colour touchscreen? Solar connection? Just to mention a few examples.

The most important function of the indoor module is to produce a lot of hot water as frugally and quickly as possible. CTC EcoZenith i255 will not let you and your family down. CTC EcoZenith i255 is always installed with the CTC EcoAir or CTC EcoPart heat pumps, and supplies hot water at a temperature of up to 65 °C. The tank accommodates a full 223 litres.

Select an appropriate height (1.65 or 1.90 m) The housing cover (pictured) is standard, but is available in several heights for a neater installation.

You can add other energy sources now or later. With two available connections – for e.g. solar heating, a water-jacketed stove, or even a pool! The product is able to control two individual heating circuits as standard. You can also cool down in summer if you supplement ground source heating with passive cooling, which uses the cool temperature of the bedrock for pleasant cool air.

CTC EcoZenith i255 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.

Benefits

- Smart touch display with user-friendly interface
- Economical: save up to 80% with a ground source heat pump
- Produces hot water of up to 65°C
- Available in 2 heights and 4 versions
- Automatic shunt for comfortable, stable heating
- Built-in heat pump control
- Can be controlled from a smartphone with myUplink
- All-inclusive




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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.



Adapt your product to your ceiling height

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

146 mm (supplied fitted to the product)
 488 mm CTC no.: 586463302R
 588 mm CTC no.: 586463303R

CTC EcoVent 20 - Exhaust Air Unit

Allows for neat and easy installation in buildings with mechanical exhaust air ventilation. The used air is vented out and new, fresh air is supplied to the building by the building's own air supply diffuser.



CTC no.: 588000001

CTC EcoVåf III - Exhaust Air Unit with recovery

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

CTC no.: 586713001

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.

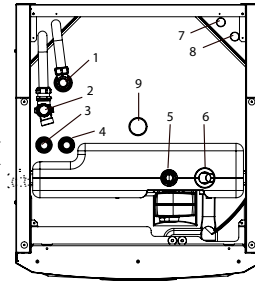
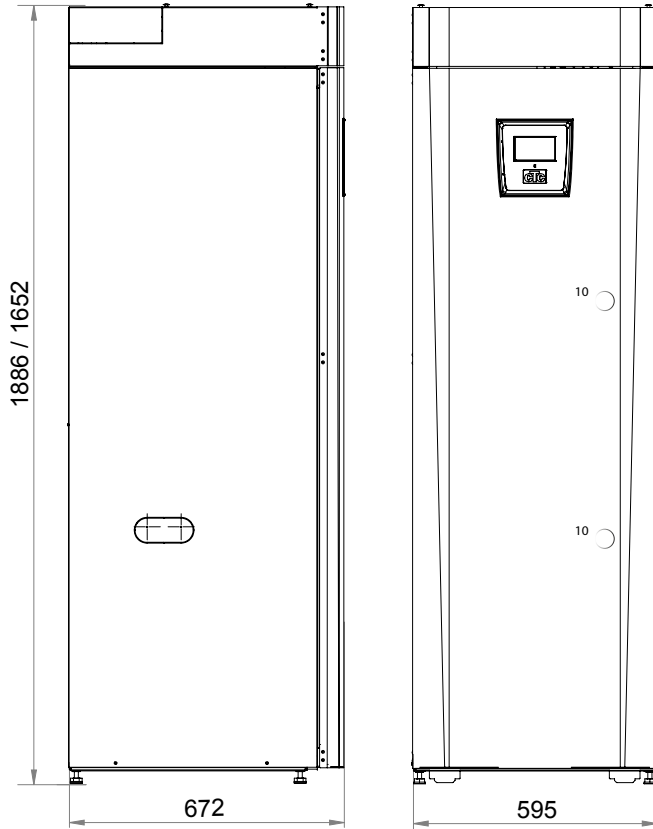
The series includes a wireless room sensor powered by solar cells, a humidity and CO₂ sensor that can control ventilation as needed, a repeater that amplifies signals between different accessories and a multi-button able to control several different functions, such as additional hot water.



Other accessories

		CTC no.:
CTC SMS Control	Full control of your heating system via SMS	585518301
CTC EnergyFlex Kit 400	For flexible top connection of external systems	587236301
CTC Expansion EnergyFlex II	External control of solar/pool/DHW circulation, etc.	587202301
CTC Charge Pump 15/75-130	Replaces existing charge pump if necessary in combination with larger heat pump	587477304
CTC Radiator Pump 25/6-130	Additional circulation pump for system/additional heating circuit	588892301
CTC Diverting Valve, 3-way	For interconnections in system, e.g. pool (22 mm connection)	583621401
CTC EcoComfort	A passive cooling unit that uses the borehole's cool temperature	585920001

Dimensions diagram



1. Bleeding
2. Safety/connection waste pipe 3/4" 22
3. Cold water connection Ø22 mm
4. Hot water Ø22 mm
5. Radiator primary flow clamp ring Ø22
6. Radiator return Ø22 /expansion connection
7. From heat pump Ø22 (i255 L)
8. To heat pump Ø22 (i255 L)
9. Lifting sleeve 3/4" BSP
10. Socket for connecting external systems/ EnergyFlex (behind the front plate)

Delivery includes:

Indoor module with manual, factory-fitted housing cover, expansion vessel and supply cable.

Packaging includes:

Charge pump for connecting heat pump (factory-fitted on i255 L), current sensor, safety valve, room sensor, outdoor sensor, primary flow sensor and return flow sensor.

Compatible heat pumps:

Air/water: CTC EcoAir 406-410, 510M-622M.

Ground source/lake/geothermal: CTC EcoPart 406-412.

Technical data 3x400 V		i255 L	i255 L inox	i255 H
CTC no.		589500011	589501001	589502001
Weight (packaged weight)	kg	165 (192)	157 (184)	182 (211)
Dimensions (depth x width x height)	mm	672x595x1652		672x595x1886
Required ceiling height	mm	1659		1901
Electrical data, connection		400V 3N~ 50Hz		
Rated output (optional)	kW	15.04 (18.04)		
Output range electric heater (optional)	kW	0.3 - 15 (0.3 - 18)		
Output stage electric heater, upper tank (optional)	kW	0.3/ 0.6/ 0.9/ 1.2.../ 9.0		
Output stage electric heater, lower tank (optional)	kW	0/ 6 (0/ 6/ 9)		
Max. electric heater output @ Group fuse 16/20/25/32 A	kW	3+6 / 6+6 / 9+6 / 9+9		
Energy efficiency class in heating system @ 35/55 °C ¹⁾		A ⁺⁺ / A ⁺⁺		
Enclosure class (IP)		IP X1		
Energy efficiency class hot water/charge profile ¹⁾		B / L		
DHW performance V ₄₀	litres	>200		
Water volume – Heating system (V)	litres	223		
Water volume – Water supply system (V)	litres	5.7		
Max. operating pressure (Heating system) (PS)	bar	2.5		
Max. operating temperature (TS)	°C	100		

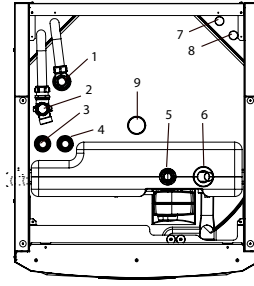
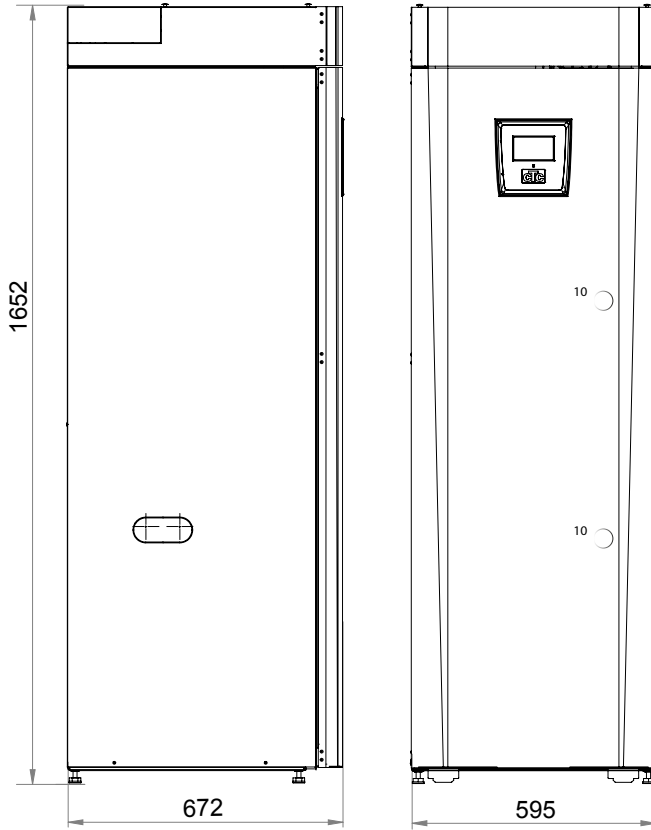
¹⁾ CTC EcoZenith is only approved for installation together with heat pumps in accordance with the EU Ecodesign Directive.

The data provided is applicable together with heat pump CTC EcoPart 410. Ecodesign data scale: A⁺⁺⁺ to G.

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



Dimensions diagram



1. Bleeding
2. Safety/connection waste pipe 3/4" 22
3. Cold water connection Ø22 mm
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5. Radiator primary flow clamp ring Ø22
6. Radiator return Ø22 /expansion connection
7. From heat pump Ø22 (i255 L)
8. To heat pump Ø22 (i255 L)
9. Lifting sleeve 3/4" BSP
10. Socket for connecting external systems/ EnergyFlex (behind the front plate)

Delivery includes:

Indoor module with manual, factory-fitted housing cover, charge pump, expansion vessel and supply cable.

Packaging includes:

Current sensor, safety valve, and room, outdoor, primary flow and return flow sensors.

Compatible heat pumps:

Air/water: CTC EcoAir 406-410, 510M-622M.

Ground source/lake/geothermal: CTC EcoPart 406-412.

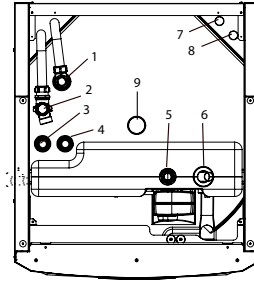
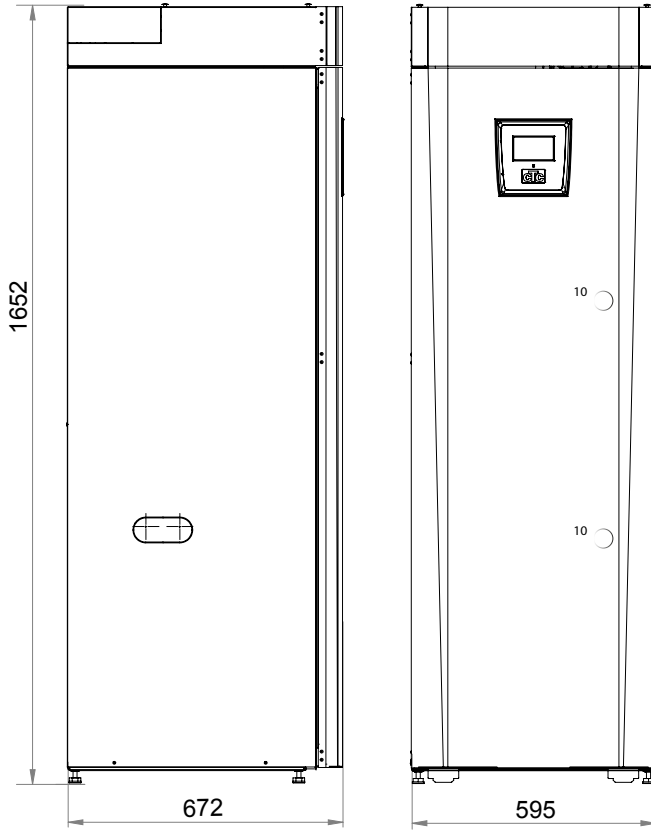
Technical data 1x230 V		i255 L
CTC no.		589500002
Weight (packaged weight)	kg	168 (195)
Dimensions (depth x width x height)	mm	672x595x1652
Required ceiling height	mm	1659
Electrical data, connection		230V 1N~ 50Hz
Rated output	kW	12.04
Output range immersion heater	kW	2.0 - 12.0
Output stage electric heater, upper tank	kW	0/2/3/4/5/6/7/9
Output stage electric heater, lower tank	kW	0/3
Energy efficiency class in heating system @ 35/55 °C ¹⁾		A++ / A++
Enclosure class (IP)		IP X1
Energy efficiency class hot water/charge profile ¹⁾		B / L
DHW performance V ₄₀	litres	>200
Water volume – Heating system (V)	litres	223
Water volume – Water supply system (V)	litres	5.7
Max. operating pressure (Heating system) (PS)	bar	2.5
Max. operating temperature (TS)	°C	100

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The data provided is applicable together with heat pump CTC EcoPart 410. Ecodesign data scale: A+++ to G.

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Dimensions diagram



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7. From heat pump Ø22 (i255 L)
8. To heat pump Ø22 (i255 L)
9. Lifting sleeve 3/4" BSP
10. Socket for connecting external systems/ EnergyFlex (behind the front plate)

Delivery includes:

Indoor module with manual, factory-fitted housing cover, charge pump, expansion vessel and supply cable.

Packaging includes:

Current sensor, safety valve, and room, outdoor, primary flow and return flow sensors.

Compatible heat pumps:

Air/water: CTC EcoAir 406-410, 510M-622M.

Ground source/lake/geothermal: CTC EcoPart 406-412.

Technical data 3x230 V		i255 L
CTC no.		589500003
Weight (packaged weight)	kg	168 (195)
Dimensions (depth x width x height)	mm	672x595x1652
Required ceiling height	mm	1659
Electrical data, connection		230V 3~ 50Hz
Rated output	kW	14.04
Output range immersion heater	kW	1.2 - 7.0
Output stage electric heater, upper tank	kW	0/1.2/2.4/3.5/4.6/ 5.8/7
Output stage electric heater, lower tank	kW	0/7
Energy efficiency class in heating system @ 35/55 °C ¹⁾		A ⁺⁺ / A ⁺⁺
Enclosure class (IP)		IP X1
Energy efficiency class hot water/charge profile ¹⁾		B / L
DHW performance V ₄₀	litres	>200
Water volume – Heating system (V)	litres	223
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The data provided is applicable together with heat pump CTC EcoPart 410. Ecodesign data scale: A⁺⁺⁺ to G.

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