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

Find a CTC distributor in your home country
www.ctc-heating.com

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 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 CO_2 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

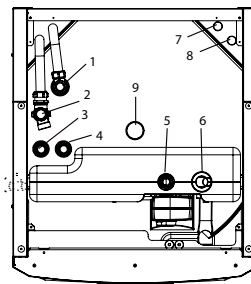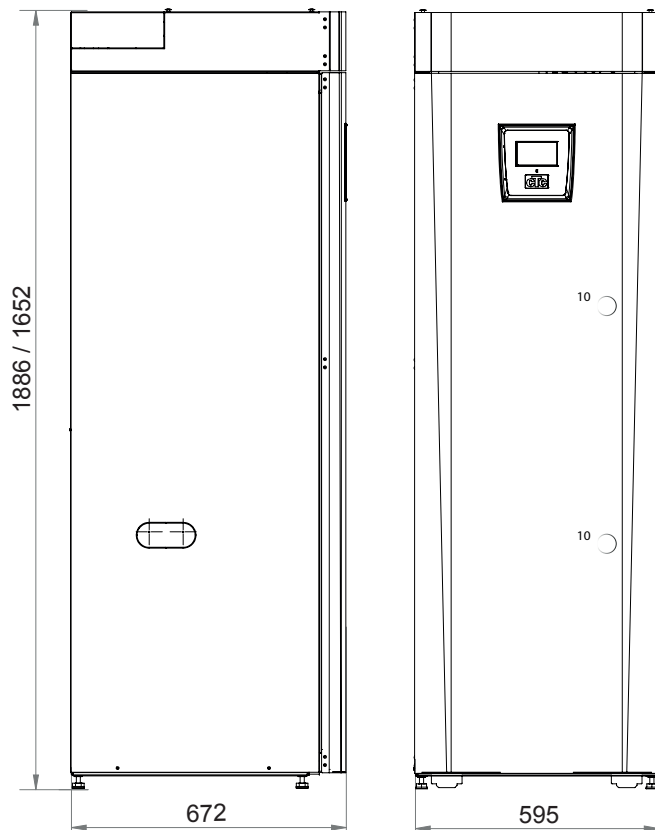|		CTC no.:
CTC SMS Control	Full control of your heating system via SMS	585518301
CTC EnergyFlex Kit 400	For flexible top connection of external systems	587236301
CTC Expansion EnergyFlex II	External control of solar/pool/DHW circulation, etc.	587202301
CTC Charge Pump 15/75-130	Replaces existing charge 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.
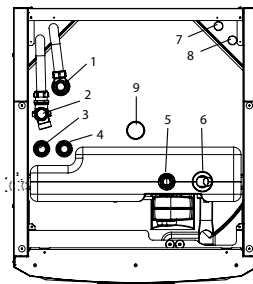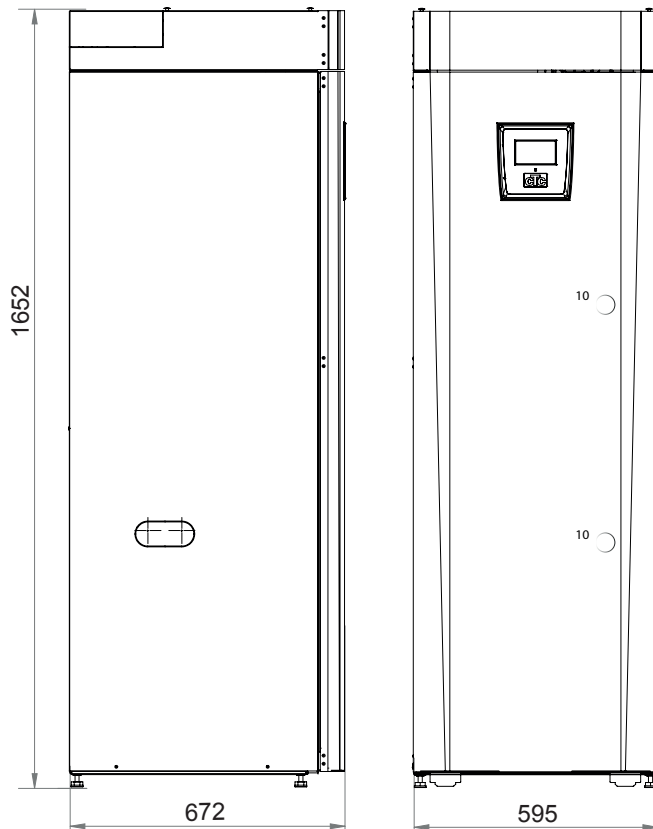**Ground source/lake/geothermal:** CTC EcoPart 406-412.

Technical data 3x400V		i255 H	i255 L	i255 L inox
CTC-no		589502001	589500011	589501001
Weight (packaged weight)	kg	182 (211)	165 (192)	157 (184)
Dimensions (depth x width x height)	mm	673 x 596 x 1904	673 x 596 x 1649	
Required ceiling height	mm	1901 (1887)	1659 (1628)	
Sound power L_{WA} B0/W35 (EN 12102)	dB(A)	15		
Electrical Data, connection		400V 3N~ 50Hz		
Rated power / optional (18 kW)	kW	15 / 18		
Rated current / optional (18 kW)	A	23.9 / 28.3		
Max. electric heater output (upper+lower): 10/13/16/20/25 A	kW	**15 kW:** 2.1+0 / 0.9+6 / 9+0 / 6.9+6 / 9+6 **18 kW:** 2.1+0 / 0.9+6 / 9+0 / 2.1+9 / 6.9+9		
Recommended fuse / optional (18 kW)	A	25 / 32		
Output range immersion heater / optional (18 kW) (upper+lower)	kW	0.3 - 15/18		
Enclosure class (IP)		IP X1		
Max. operating pressure: Heating system (PS)	bar	3.0		
Max. operating pressure: Water supply system	bar	10		
Water volume: Heating system (V)	litres	223		
Water volume: Water supply system	litres	5.7		
Max. operating temperature (TS)	°C	100		
DHW performance V_{40} Volume 40 °C (EN 16147)	litres	<200		
Package efficiency class: W35/55 (A^{+++} to G) [1]		A++ / A++		
Energy efficiency class DHW (A+ to F) / charge profile (EN16147) [1]		B / L		

[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.

CTC

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, 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.

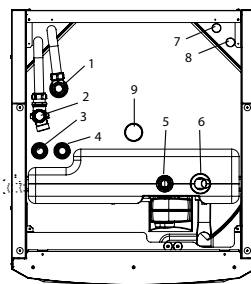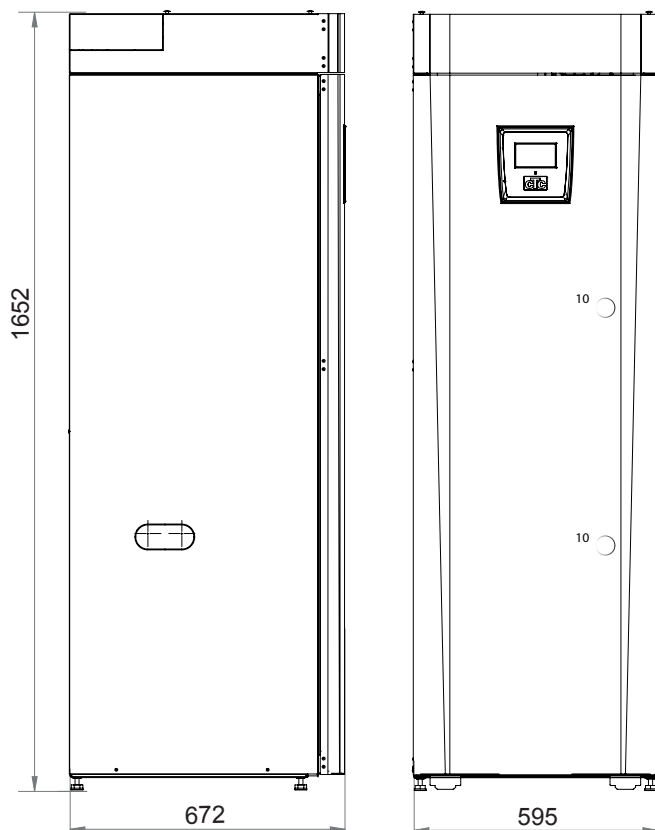| Technical data 1x230V		i255 L
CTC-no		589500002
Weight (packaged weight)	kg	167 (194)
Dimensions (depth x width x height)	mm	673 x 596 x 1649
Required ceiling height	mm	1659 (1628)
Sound power L_{WA} B0/W35 (EN 12102)	dB(A)	15
Electrical Data, connection		230V 1N~ 50Hz
Rated power	kW	12
Rated current	A	53.2
Max. electric heater output (upper+lower): 20/25/32/35/50/63 A	kW	4 / 5 / 7 / 7 / 11 / 12
Recommended fuse	A	63
Output range immersion heater (upper+lower)	kW	1.0 - 12.0
Enclosure class (IP)		IP X1
Max. operating pressure: Heating system (PS)	bar	3.0
Max. operating pressure: Water supply system	bar	10
Water volume: Heating system (V)	litres	223
Water volume: Water supply system	litres	5.7
Max. operating temperature (TS)	°C	100
DHW performance V_{40} Volume 40 °C (EN 16147)	litres	<200
Package efficiency class: W35/55 (A+++ to G) [1]		A++ / A++
Energy efficiency class DHW (A+ to F) / charge profile (EN16147) [1]		B / L

[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.

CE

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, 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 3x230V		i255 L
CTC-no		589500003
Weight (packaged weight)	kg	167 (194)
Dimensions (depth x width x height)	mm	673 x 596 x 1649
Required ceiling height	mm	1659 (1628)
Sound power L_{WA} B0/W35 (EN 12102)	dB(A)	15
Electrical Data, connection		230V 3~ 50Hz
Rated power	kW	14
Rated current	A	34.6
Max. electric heater output (upper+lower): 20/25/32/35/50/63 A	kW	7 / 8.2 / 11.7 / 12.9 / 14 / 14
Recommended fuse	A	50
Output range immersion heater (upper+lower)	kW	1.2 - 14.1
Enclosure class (IP)		IP X1
Max. operating pressure: Heating system (PS)	bar	3.0
Max. operating pressure: Water supply system	bar	10
Water volume: Heating system (V)	litres	223
Water volume: Water supply system	litres	5.7
Max. operating temperature (TS)	°C	100
DHW performance V_{40} Volume 40 °C (EN 16147)	litres	<200
Package efficiency class: W35/55 (A+++ to G) [1]		A++ / A++
Energy efficiency class DHW (A+ to F) / charge profile (EN16147) [1]		B / L

[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.

CE

CTC