



CTC EcoPack II

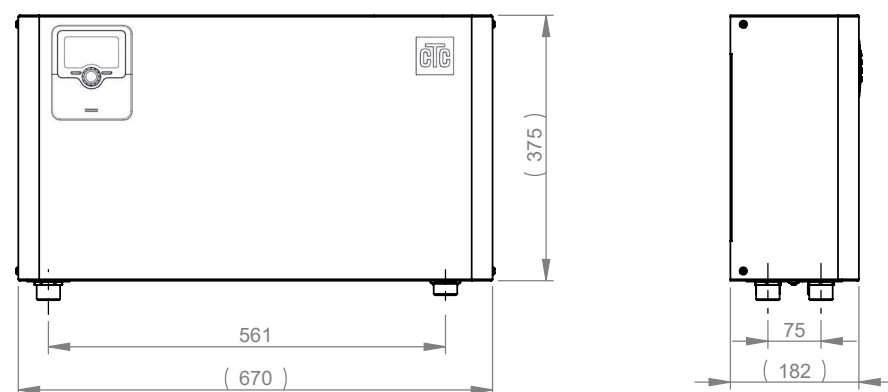
Compact power pack for domestic hot water heating

Domestic hot water heat exchangers with integrated control and circulation pump, 38–100 kW. Models: 38, 54, 80, and 100.



- Compact and wall-mounted
- Four power sizes: 38-100 kW
- Safe and hygienic DHW production
- Suitable for installations of all sizes
- Built-in control with LCD display
- Can be used without a heat pump

Dimensional drawing

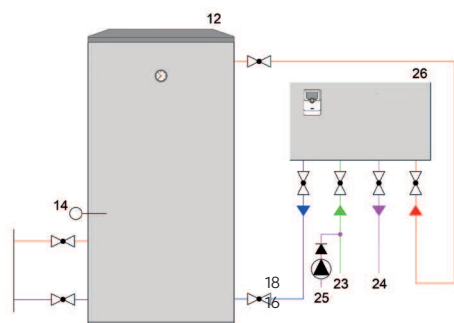


Delivery includes:
CTC EcoPack with factory-fitted power cable 230V.

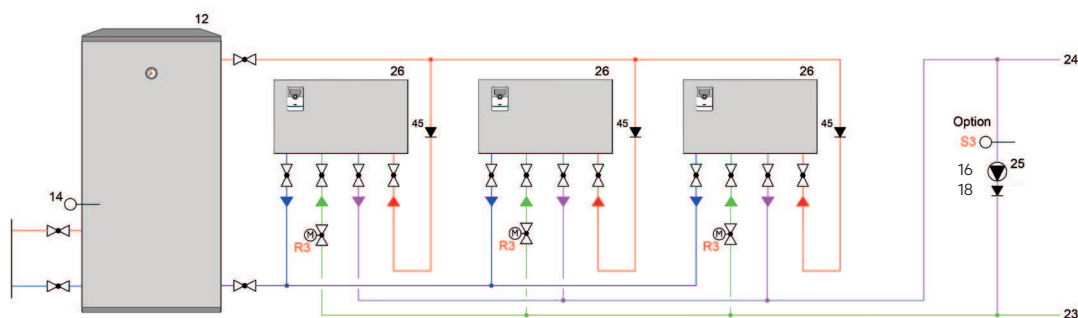
Packaging includes:
Manual and wall mounting screws (8x50 mm)



Example of a systems overview



- 12 Volume tank
- 14 Temperature sensor
- 16 Circulation pump
- 18 Non-return valve
- 23 Cold water
- 24 DHW (domestic hot water)
- 25 HWC (hot water circulation)
- 26 Hot water exchanger
- R3 Two-way valve
- S3 Temperature sensor HWC



The CTC EcoPack is a high-performance, wall-mounted hot water heat exchanger with digital control and bottom connections, available in four power classes (38-100 kW). Together with a primary tank in the heat pump system, it delivers hot water production on demand with high reliability and hygiene standards.

Compact and powerful

The CTC EcoPack is a wall-mounted hot water heat exchanger with built-in control, designed to deliver hot water quickly, hygienically and with minimal energy consumption. It is ideal for both new construction and modernisation of existing systems - from holiday homes to industrial plants.

Four power classes

The CTC EcoPack is available in four sizes: 38, 50, 75 and 100 kW. Whether you have a small holiday home or a large commercial property, there is a model to suit your needs. It is designed for pressurised systems up to 10 bar and therefore works with standard mixers.

Full control

The built-in electronic control has an easy-to-read LCD display where you can easily adjust temperature, volume and operating mode. The system keeps the domestic hot water at a constant temperature,

regardless of variations in incoming water or pressure. It provides high comfort, low energy consumption and safe operation all year round.

Environmentally friendly

The CTC EcoPack is designed to heat water only when needed, minimising energy losses and maximising efficiency. When combined with a heat pump system and a primary tank, it creates a future-proof energy system that saves money and protects the environment.

Fast hot water delivery

Thanks to an efficient circulation pump, the CTC EcoPack delivers hot water quickly, even to taps far from the unit. This makes it ideal for environments where quick access to hot water is essential, such as laundries and campsites.

Easy to install

The CTC EcoPack has a compact, wall-hung design that saves floor space. All

connections are located at the bottom, facilitating pipework and saving time. The robust construction makes it a long-term and reliable solution.

High hygiene standards

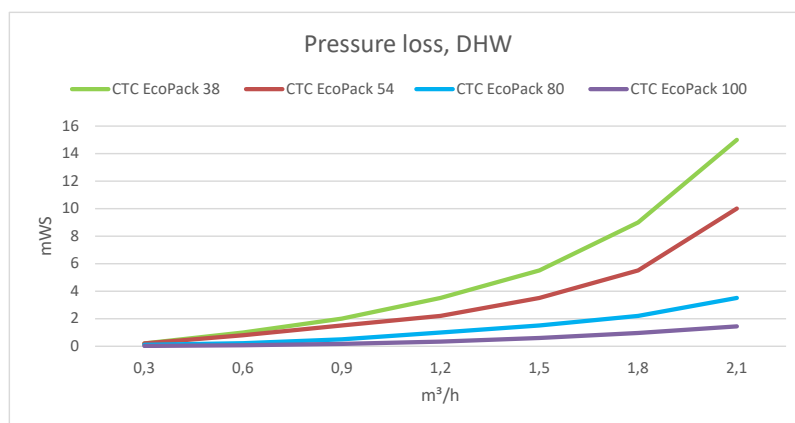
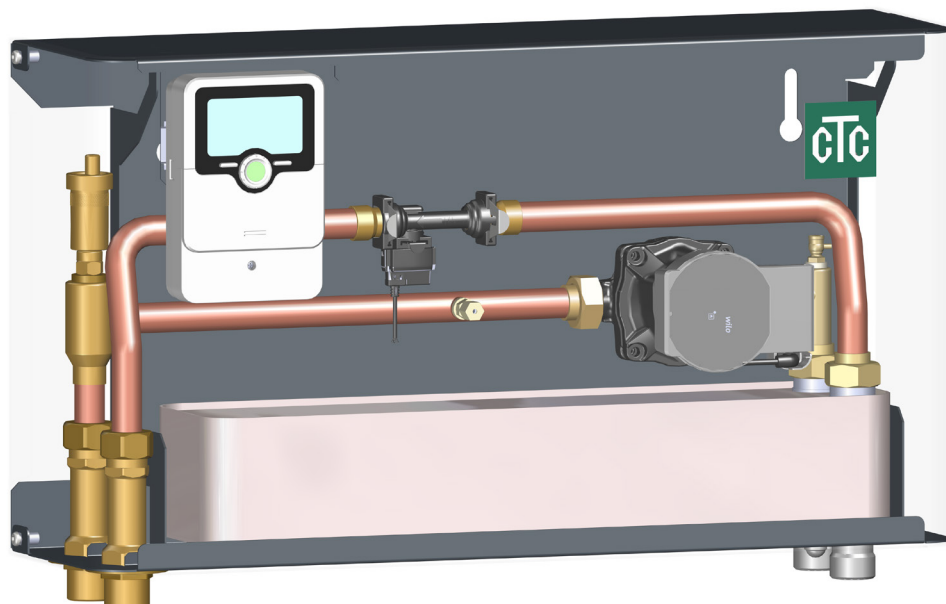
The CTC EcoPack is designed to reduce the risk of Legionella bacteria. This makes it a safe choice for environments with high hygiene requirements, such as homes, schools, healthcare facilities and commercial properties.

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		38	54	80	100
CTC no.		590004011	590004012	590004013	590004014
Weight (packaged weight)	kg	21 (26)	23 (28)	25 (30)	27 (32)
Dimensions (depth x width x height)	mm	182 x 670 x 375			
Connection primary flow/return	inch	DN25 (1")			
Connection domestic water	inch	DN25 (1")			
Electrical Data, connection		230V 1N~ 50Hz			
Rated current	A	2			
Group fuse	A	10			
Ingress protection class (IP)		IP 20			
Maximum operating temperature (TS)	°C	90			
Maximum operating pressure (PS)	bar	6			
Maximum operation pressure DHW	bar	10			
Water volume (V)/DHW		1,7 / 1,7	2,2 / 2,2	2,9 / 2,9	3,5 / 3,5
DHW capacity V_{40} (at 55 °C tank temperature/10 - 40 °C)	l/min	21,7	28,2	40,3	60<
Max length copper pipe/recommended dimension	m/mm	90 / 22	59 / 22	20 / 28	20 / 28
Residual head 40 °C (at 55 °C tank temperature)	kPa	48	47	30,4	19,62
	m ² /h	1,0	1,3	1,9	2,3
Kvs value of the product		0,6	0,7	1,2	1,9





Dimensioning guide

Number of apartments	Min. power at HW-charging	Recommended model / quantity	Recommended storage tank / quantity	Article no. storage tank
1 - 2	6 kW	CTC EcoPack 38	CTC AT 2. 300	589913001
3	9 kW	CTC EcoPack 54	CTC AT 2. 500	588353301
4 - 5	9 kW	CTC EcoPack 80	CTC AT 2. 500	588353301
6	12 kW	CTC EcoPack 100	CTC AT 2. 500	588353301
7 - 12	12 kW	CTC EcoPack 100	CTC AT 2. 750	588352301
13 - 19	20 kW	CTC EcoPack 80 /2	CTC AT 2. 1000	590642301
20 - 29	20 kW	CTC EcoPack 100 /2	CTC AT 1500	590006001
30 - 39	30 kW	CTC EcoPack 80 /3	CTC AT 2000	590007001
40 - 59	40 kW	CTC EcoPack 100 /3	CTC AT 3000	590009001
60 - 79	60 kW	CTC EcoPack 100 /4	CTC AT 4000	590015001
80 - 100	85 kW	CTC EcoPack 100 /5	CTC AT 2500 /2	590008001