

CTC EcoPack

Output range 38–100 kW



Benefits

- Speed-controlled, highly efficient A-rated circulation pump
- Convenient SL control unit
- LCD display showing installation status
- High output capacity
- Little maintenance requirement
- Optimised size with modern design
- Can be used without a heat pump

Functions

- Energy-saving system for heating domestic hot water
- High-performance heat exchanger
- High output capacity
- Operation via electronic SL regulator
- Temperature setting with digital display
- Graphic display of current operating parameters (temperature and volume)
- Fast hot water supply, even at long distances, thanks to the efficient circulation pump
- Control is possible via:
 - Flow control (tap open/closed)
 - Temperature control (sensor)
 - Timer
- Practical wall mounting
- All the connections at the bottom
- Available in 38 kW, 54 kW, 80 kW and 100 kW

Expanding a heat pump system

The CTC EcoPack DHW heat exchanger provides hot water directly and is designed for energy-efficient heating of domestic hot water. In combination with the heat pump system, the CTC EcoPack uses a primary tank to store the energy.

Save money with CTC EcoPack

In this way, the domestic hot water can be heated to a suitable temperature with minimal energy consumption. Compared to a standard water heater, it is possible to save around 2/3 of the operating costs.

Control via LCD display

The required hot water temperature can be easily adjusted. Relevant operating parameters (temperature and volume) are shown on the LCD display. Other functions are also easy to use.

Guaranteed high output capacity

The risk of legionella bacteria is virtually eliminated with CTC EcoPack. The unit is available in four different output classes (38 kW, 54 kW, 80 kW and 100 kW). The flow capacity ranges from 13.7 l/min to 35.8 l/min.

Technical data

| CTC EcoPack DHW heat exchanger | Enhet | EP 38 | EP 54 | EP 80 | EP 100 |
|--|-------------------|--------------|--------------|----------------|----------------|
| Tap capacity (55°C tank temperature/heating of drinking water from 10°C to 50°C) | l/min | 13.7 | 19.3 | 28.7 | 35.8 |
| Tap capacity (55°C tank temperature/heating of drinking water from 10°C to 40°C) | l/min | 21.7 | 28.2 | 40.3 | 49.5* |
| Max energy consumption, circulation pump | W | 76 | | | |
| Control unit power consumption | W | 1 | | | |
| Residual pressure head (55°C tank temperature/heating of drinking water from 10°C to 40°C) | mWS | 18.5 | 23.3 | 30.4 | 42.7 |
| | m ³ /h | 3.7 | 3.6 | 4.0 | 5.8 |
| Approximate maximum line length at the above residual pressure head (calculated as below) | m | 90 | 59 | 20 | 20 |
| | | 22x1 Cu pipe | 22x1 Cu pipe | 22x1 Cu pipe** | 22x1 Cu pipe** |
| Operating limit | °C | 90 | | | |
| Max operating pressure, primary (tank-heat pump) / secondary (domestic water) | bar | 2.5/10 | | | |

Electrical data

| | | | | | |
|--------------------------------|---------------|----|--|--|--|
| Voltage | 230V 1N~ 50Hz | | | | |
| Max operating current | A | 2 | | | |
| Main fuse on the building side | A | 10 | | | |

Dimensions, weight, connections

| | | | | | |
|----------------------|--------|-----------------|----|----|----|
| Weight of the unit | kg | 21 | 23 | 25 | 27 |
| Connections | inches | flat seat 1" | | | |
| Dimensions D x W x H | mm | 182 x 670 x 375 | | | |

*The value does not appear on the control unit's display, but is the maximum amount that can be drained.

**For these variants, we recommend 28 x 1.5 Cu pipes

Dimensions diagram (mm)

