

Ecombi Electric Storage Heaters



Models

Eco 158 – 985 watts

Eco 208 – 1310 watts

Eco 308 – 1960 watts

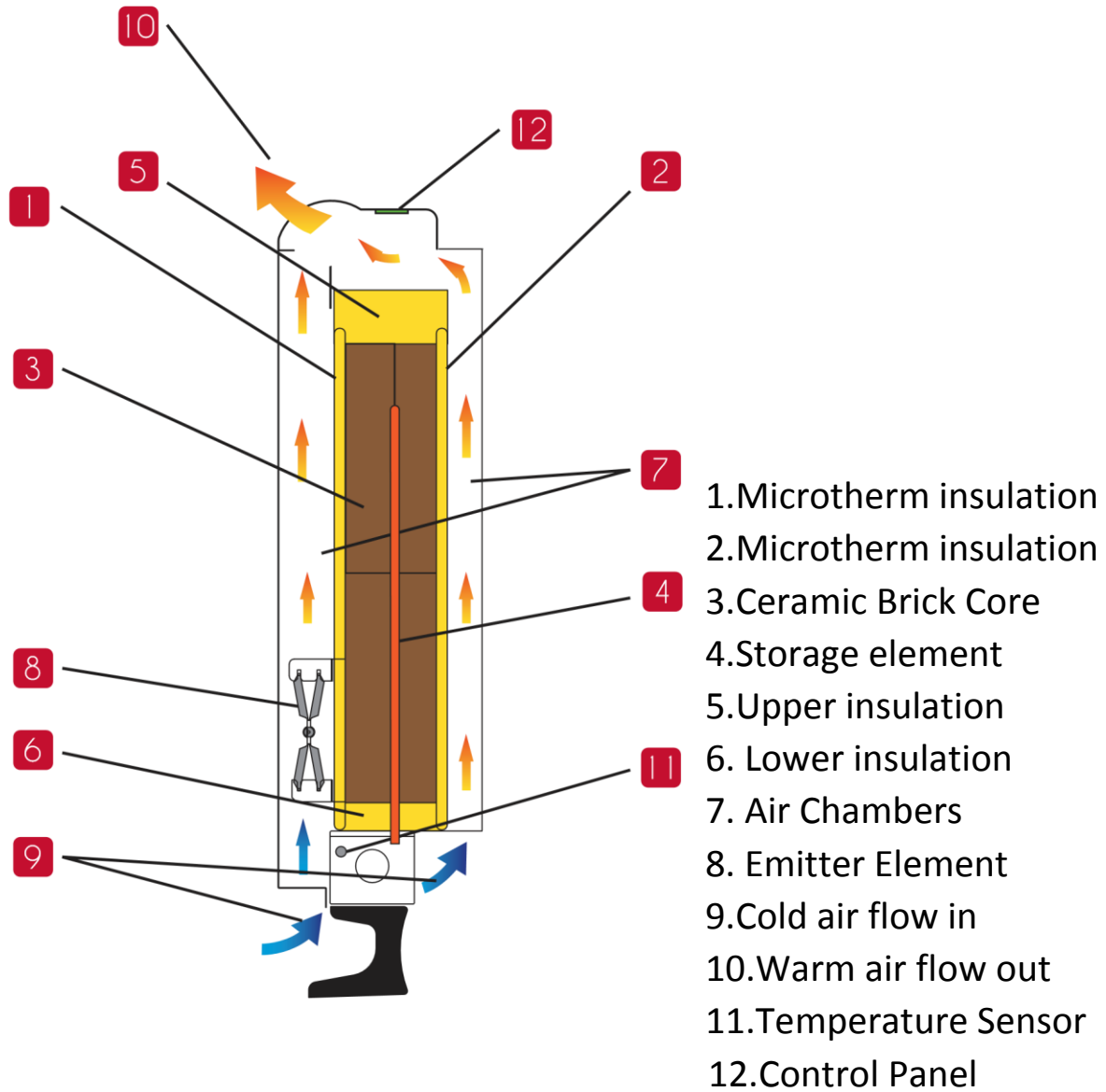
Eco 408 – 2620 watts

A storage heater stores heat in a core made of ceramic bricks by means of electric elements. Every storage heater loses the heat it has stored to some extent. Ecombi's operation is based on this.

Heat in the air chambers is dependent on the temperature of the brick core and the insulation that surrounds it. The insulation is static and does not change. The temperature in the brick core however does change. The higher the temperature of the core, the more heat will escape into the air chambers. This will increase the temperature of the air being delivered to the room by convection. A second heating element (emitter) is mounted in the front air chamber to supplement the stored heat if necessary. The operation of this element will also adjust the charge level for the next charge period.

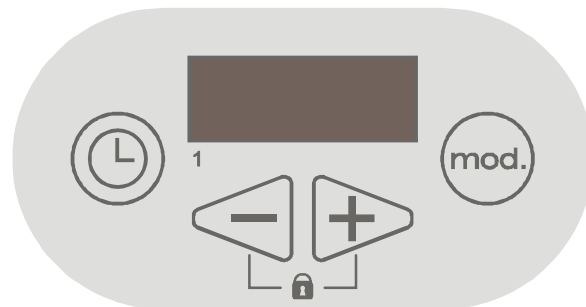
In the ***Automatic Mode*** the temperature (charge) level in the core is adjusted once in every 24 hour period. An indoor sensor mounted on the bottom of the heater sends a reading to the control board every 30 seconds. The board in turn controls a second heating element mounted in the front air chamber. If the second element operates in the peak period to supply extra heat to the room , the charge level will be adjusted up. If the convector does not operate at all , the charge level will be adjusted down.

In the ***Storage Mode*** the charge level in the core is adjusted from the readings of the sensor to the control board. If during the charge period the temperature exceeds the set point of the heater by 2 degrees, the charge will stop. When the room temperature decreases by 1 degree from there the charge will start again. The second heating element (emitter) will never operate in this mode.



Ecombi Cross Section

Heater Display



AC 5.0 Storage Mode (storage elements off)

AC.5.0 Storage Mode (storage elements on)

Number represents charge level

A 21.0 Automatic Mode (emitter off)

A 21.0. Automatic Mode (emitter on)

Number represents set point in degrees C

A 18.0 Eco Period 3 degree setback

Sensor Press **mod.** And **+** together

Clock Press clock button for time

Press and hold to change

Lock Feature Press **-** and **+** buttons together

Warranty

Ecombi models Eco158, Eco208, Eco308, Eco408 are included under this warranty for a period of 5 years on parts and 1 year on labour from the date of installation.

The invoice is your proof of installation date.

This warranty is void if equipment has been moved from the original install location or if the product is subjected to use other than what it was intended for. Details are available in the owners manual.



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