



Electric boilers EI-Cm ePlus 6-27 kW

The **EI-Cm ePlus**, range of electric boilers (with nominal heat output of 6, 9, 12, 18 and 24 kW) is designed for installation in smaller premises as a primary as well as secondary heat source.

Today they are frequently used for heating up domestic hot water in accumulator tanks connected to the heat exchanger of the boiler. The **EI-Cm ePlus** is equipped with a circulation pump, expansion vessel, the most modern modulating digital controller and appropriate safety elements.

Of modern design, they can be installed anywhere in a house because of their absolutely noiseless operation and because they do not need to be connected to a chimney. The wide application of modern technologies and the quality of the material used as well as thoroughly tested operation, which include a modulating activating of the electric heaters, to prevent electric surges on the power supply, make these boilers safe and reliable.

PRODUCT CHARACTERISTICS



QUIET

Quiet work and modern design makes them acceptable for installation in any part of the home or apartment.



RELIABLE

Proven technical solutions that include all the benefits of modulating regulating the operation of the electrograph, make these boilers safe and reliable in operation.



MODULATION

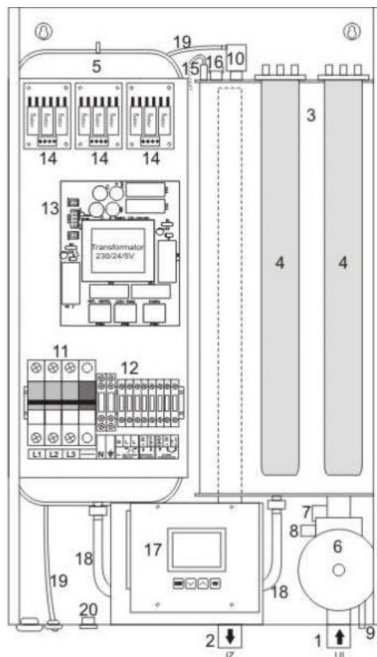
Modulating digital control optimally manages the operation of an electric heater so as to optimize the power consumption of the electric boiler.



COMPACT

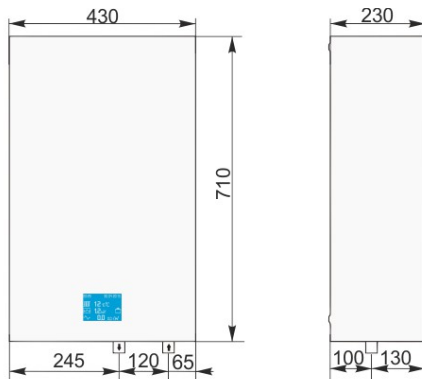
EI-Cm Compact boilers are a small "boiler" because all the essential parts are integrated into a compact housing.

1. IN return line of the boiler
2. OUT starting line of the boiler
3. Exchanger of the boiler
4. Electric heaters
5. Expansion container
6. Pump
7. Valve for discharging of air (on the pump)
8. Power line for the pump
9. Drainage tap
10. Automatic air discharger
11. Automatic fuses
12. Clamp for thermostat
13. Network board
14. Relays of electric heaters
15. Clamps of electric heaters
16. Strain relief connector for electric cable
17. Control panel with display



- Electric boilers engineered for electrical heating with nominal heat outputs of 6, 9, 12, 18 and 24 kW.
- Standard equipment built in electric boilers includes: body of the boiler with electric heaters, circulation pump, expansion vessel, safety elements (safety valve, safety thermostat and a pressure switch), filling/draining cock and modular digital control.
- The modular digital control assures optimal operation of the electric heater in a way that optimizes electric energy consumption with the rated thermal output of the electric boiler.
- Absolutely noiseless operation, modern design and small dimensions make them acceptable for installation anywhere in a house or apartment, since they do not need to be connected to a chimney and need no additional fresh air supply.
- Low weight and easy assembly.
- Connection of the EI-Cm ePlus 6 and 9 kW to a single phase power supply is possible.
- EI-Cm ePlus operates like a mini boiler room because all its essential parts are integrated into the single boiler body.

BASIC DIMENSIONS



Modern digital modulating controller optimally controls the electrical heating operation to optimize power consumption against the output of the electrical boiler.



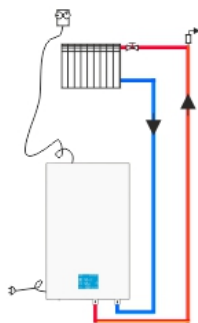
EI-Cm ePlus		6	9	12	18	24
Nominal heat output	(kW)	6	9	12	18	24
Boiler water content	(lit.)	12,5	12,5	12,5	12,5	12,5
Boiler mass (without water)	(kg)	25	25	25	25	25
Max. operat. temperature	(°C)	80				
Max. operat. pressure	(bar)	2,6				
Inlet/outlet	(R)	G3/4"				
Electr. heater	(kW)	3x2	6x1,5	6x2	9x2	9x2,7
Cable section	(mm ²)	5x2,5	5x2,5	5x4	5x4	5x6
Expansion vessel	(lit.)	7				
Electric power tension	(V/Hz)	400/50				
Boiler width	(mm)	430				
Boiler height	(mm)	710				
Boiler depth	(mm)	230				
Energy efficiency class		D				

DELIVERY AND OBLIGATORY ADDITIONAL EQUIPMENT



Delivery:

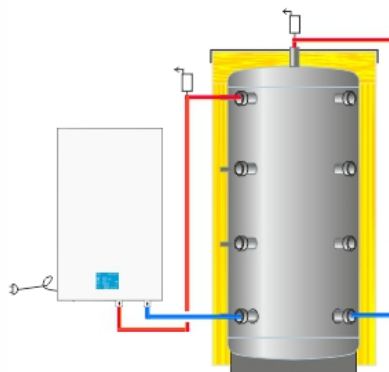
- boiler with casing, pump, safety valve, expansion vessel and digital control, pre-wired, in cardboard box



Connecting to heating system:

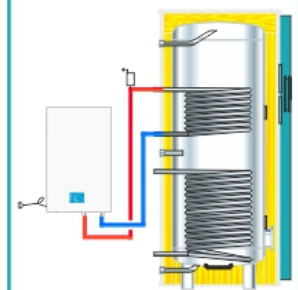
- Safety valve*, expansion vessel*
- Heating pump*
- Room thermostat

*in the content of EI-Cm Compact boiler delivery



Connecting to accumulation tank to accumulate heat at the time of the day when electricity costs are low:

- CAS accumulation tank, adapted for optimal use of electric energy at low costs



Additional heating of DHW tank by EI-Cm ePlus boiler:

- When electric energy is the only heat source, electric boiler is connected to the upper exchanger (with solar heating system) or lower exchanger (without solar heating system).