

Electrical boilers

EKD.M3

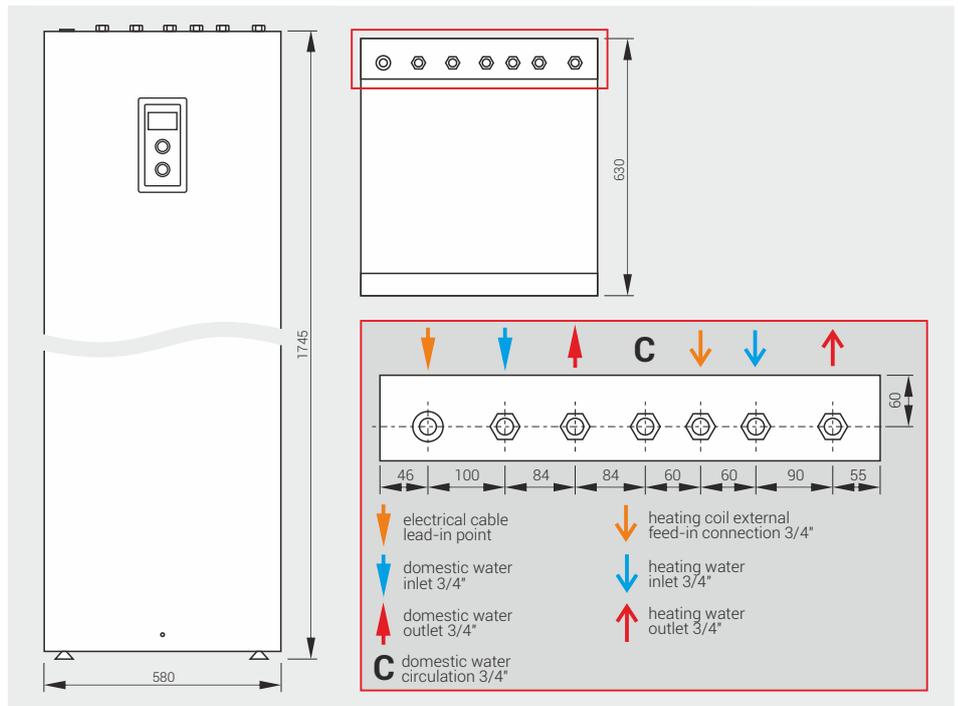
Bi-functional boiler with built in weather compensation and domestic hot water storage tank.



Most important advantages

- The entire boiler room integrated in one housing contains electric boiler with weather control, hot water tank with capacity 130l, expansion vessels and other necessary fittings.
- It does not take much space, modern compact design easy to assemble.
- Weather compensation ensures automatic boiler respond to the changes of outside temperature. This allows for maintenance-free and energy efficient boiler operation.
- The boiler control allows you to program the running time and the water temperature in the tank according to your individual needs, which ensures the most economical use of the appliance.
- Electronic control system and reliable semiconductor elements.
- Automatic power modulation.
- May cooperate with another heating source.

Dimensions



Rated power	kW	EKD.M3-04/06/08			EKD.M3-12/16/20/24			
		4	6	8	12	16	20	24
Rated current		230V~ or 400V 3N~			400V 3N~			
Rated electrical energy demand	A	17,4/*5,8	26,1/*8,7	34,8/*11,6	17,4	23,1	28,8	34,6
Minimal wires cross-section	mm ²	3x2,5/ *5x2,5	3x4/ *5x2,5	3x6/ *5x2,5	5x2,5		5x4	5x6
Domestic water exchanger heating time $\Delta t - 40^{\circ}\text{C}$	min	107	72	54	36	29	24	18
Anode type		AMW.660						
Energy efficiency class		D			C			

* Values for the following parameters: 400 3N

While calculating demand for thermal energy, a number of factors need to be taken into consideration:

- cubature of building
- heat transfer coefficient (through the walls, windows and ceilings)
- efficiency of room ventilation
- ability of a building to accumulate heat