

Electric boilers

EKCO.M2 EKCO.MN2

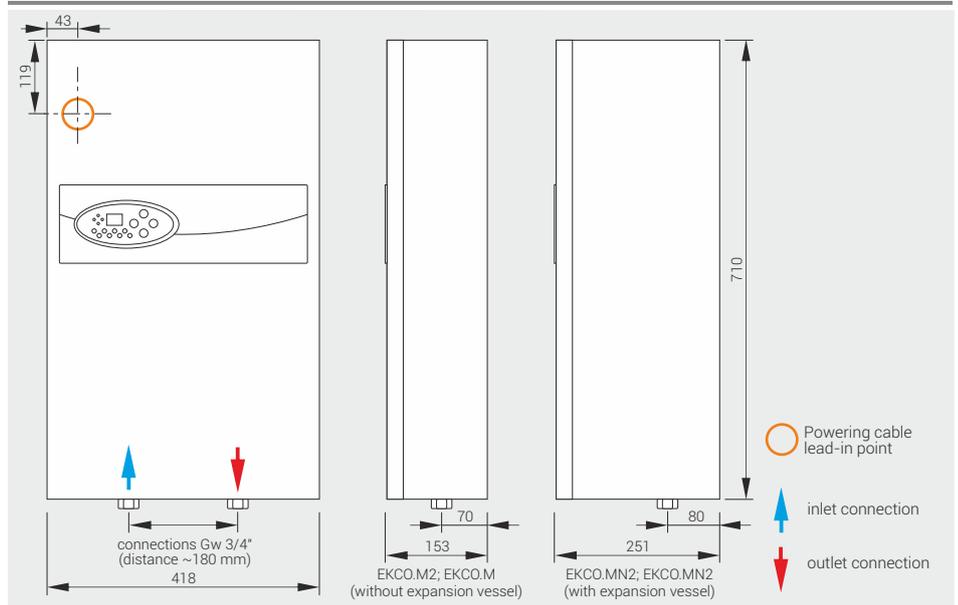
Boilers with weather compensation



Most important advantages

- **EKCO.MN2 model** - weather compensation boiler equipped with C.PS control unit, can work on one or two central heating systems and also with domestic hot water tank. Whole kit includes: boiler with 6 liters expansion vessel and bypass valve, C.PS control unit, WE-027 sensor.
- **EKCO.M2 model** - as above, without expansion vessel and bypass valve.
- Weather compensation ensures automatic boiler respond to the changes of outside temperature. This allows maintenance-free and energy efficient boiler operation.
- Electronic control system and reliable semiconductor elements.
- Automatic power modulation.

Dimensions



Additional equipment



C.MG module - allows for additional heating system control (i.g. floor heating). Using additional C.MG modules ensures control over mixing valves, that reduces heating water temperature for each circulation system. Up to 24 C.MG modules may be connected to the C.PS unit.

C.MW module - ON/OFF functionality, allows to schedule working cycle (up to 24 modules may be connected to C.PS unit).

WE-019/01 sensor - additional heating circulation sensor or water cylinder temperature sensor.



Three way valve with servo mechanism

Co-operation with a hot water cylinder requires three-way valve (i.g. ZAWÓR.KOT. VC6013) and WE-019/01 temperature sensor.

Rated power	kW	4	6	8	12	15	18	21	24
Rated voltage		230V~ or 400V 3N~			400V 3N~				
Rated electrical energy demand	A	17,4/*5,7	26/*8,7	34,8/*11,7	17,3	21,7	26	30,3	34,6
Minimal wires cross-section	mm ²	3x2,5/ *5x1,5	3x4/ *5x1,5	3x6/ *5x1,5	5x2,5		5x4		5x6
Energy efficiency class		D							

** Values for the following parameters: 400V 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

EKCO.MN2 - boilers with weather compensation and expansion vessel

Type	Rated power / rated voltage
EKCO.MN2-04	4kW / 400V 3N~ or 230V~
EKCO.MN2-06	6kW / 400V 3N~ or 230V~
EKCO.MN2-08	8kW / 400V 3N~ or 230V~
EKCO.MN2-12	12kW / 400V 3N~
EKCO.MN2-15	15kW / 400V 3N~
EKCO.MN2-18	18kW / 400V 3N~
EKCO.MN2-21	21kW / 400V 3N~
EKCO.MN2-24	24kW / 400V 3N~

Attention! In case of co-operation with water cylinder EKCO.MN2 boilers must be additionally equipped with 3-way valve and temperature sensor WE-019/01

EKCO.M2 - boilers with weather compensation

Type	Rated power / rated voltage
EKCO.M2-04	4kW / 400V 3N~ or 230V~
EKCO.M2-06	6kW / 400V 3N~ or 230V~
EKCO.M2-08	8kW / 400V 3N~ or 230V~
EKCO.M2-12	12kW / 400V 3N~
EKCO.M2-15	15kW / 400V 3N~
EKCO.M2-18	18kW / 400V 3N~
EKCO.M2-21	21kW / 400V 3N~
EKCO.M2-24	24kW / 400V 3N~

Attention! In case of co-operation with water cylinder EKCO.M2 boilers must be additionally equipped with 3-way valve and temperature sensor WE-019/01

C.PS system components

Type	Description
C.MG	Heating circulation module, providing control over additional circulation operation - for co-operation with C.PS unit, WE-019/01 sensor included.
C.MW	Functionality, allows to schedule working cycle. For co-operation with C.PS unit.
WE-027	External temperature sensor
WE-019/01	Temperature sensor for water cylinder or heating circulation sensor