

Electric boilers

EKCO.T EKCO.TM

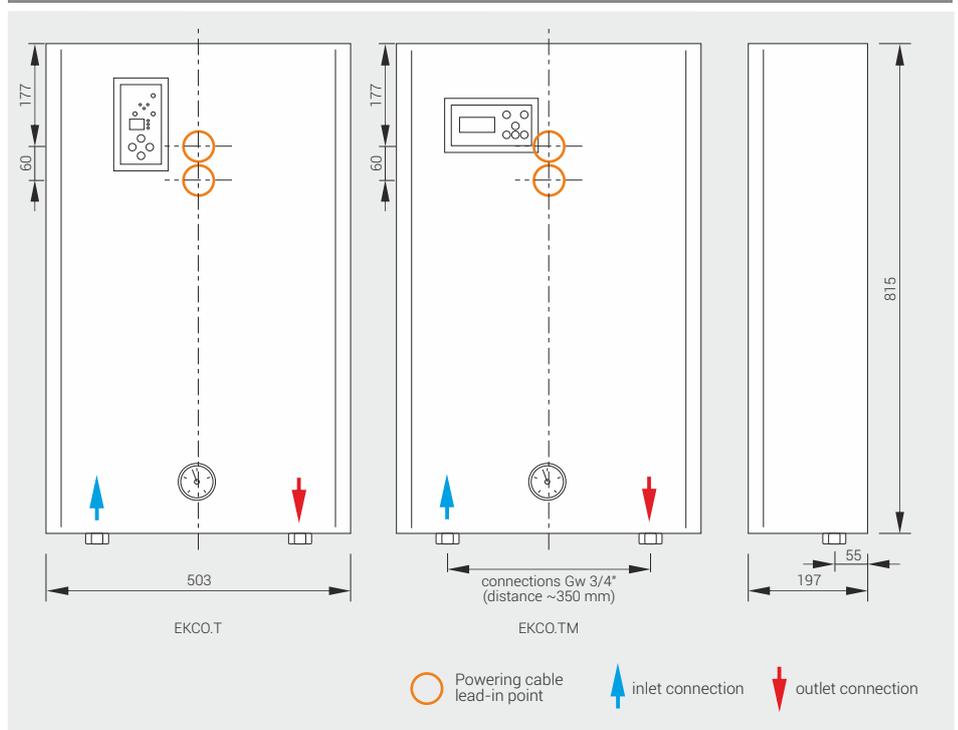
High power boilers



Most important advantages

- **EKCO.T model** - high power boiler, intended for central heating system and hot water cylinders.
- **EKCO.TM model** - high power boiler with weather compensation, can work on one or two central heating systems and also with hot water cylinder.
- Can co-operate with other boilers in cascade connection (EKCO.TM as a master boiler, EKCO.T as a slave boiler).
- Temperature range available: from 40°C to 85°C.
- High power boilers are equipped with two heating elements to extend the lifetime of the unit.
- Power range: from 30kW to 48kW.

Dimensions



Additional equipment



Three way valve with servo-motor

Co-operation with a hot water cylinder requires three-way valve (ZAWÓR.KOT.VC6013).

The water temperature in cylinder can be set on the front panel if the WE-008 temperature sensor is applied.

Temperature regulator

EKCO.T boilers should be additionally equipped with room thermostat regulators, which ensures cost-efficient and user friendly operation.

| | | | | | |
|--------------------------------|-----------------|----------|------|--------|--------|
| Rated power | kW | 30 | 36 | 42 | 48 |
| Rated voltage | | 400V 3N~ | | | |
| Rated electrical energy demand | A | 3x43,3 | 3x52 | 3x60,6 | 3x69,3 |
| Minimal wires cross-section | mm ² | 5x10 | | | 5x16 |
| Energy efficiency class | | D | | | |

* 400V 3~ phase connection value

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.T - high power boilers in basic configuration

| Type | Rated power - Rated voltage |
|-----------|-----------------------------|
| EKCO.T-30 | 30kW /400V 3N~ |
| EKCO.T-36 | 36kW /400V 3N~ |
| EKCO.T-42 | 42kW /400V 3N~ |
| EKCO.T-48 | 48/kW /400V 3N~ |

Attention! EKCO.T boilers must be additionally equipped with temperature sensor, and in case of co-operation with water cylinder with 3-way valve and temperature sensor WE-008

Modele EKCO.TM - high power boilers with weather compensation

| Type | Rated power - Rated voltage |
|------------|-----------------------------|
| EKCO.TM-30 | 30kW /400V 3N~ |
| EKCO.TM-36 | 36kW /400V 3N~ |
| EKCO.TM-42 | 42kW /400V 3N~ |
| EKCO.TM-48 | 48/kW /400V 3N~ |

Attention! In case of co-operation with water cylinder EKCO.TM boilers must be additionally equipped with 3-way valve and temperature sensor WE-008

Boiler accessories

| Type - description |
|--|
|  CZUJNIK.WE-019/01 - Temperature sensor for EKCO.L2; EKCO.LN2; EKCO.M2; EKCO.MN2 (to measure temperature in cylinder) |
|  CZUJNIK.WE-008 - Temperature sensor for EKCO.T and EKCO.TM (to measure temperature in cylinder) |
| FILTR.F-MAG 3/4" - Magnetic filter for 3/4" heating installations |
| MODUŁ.MZK-1/02 - Control unit for 2-boilers cascade (EKCO.T) |
| MODUŁ.MZK-1/03 - Control unit for 3-boilers cascade (EKCO.T) |
| ZAWÓR.KOT.VC6013 - 3-way valve (3/4" HONEYWELL, VCZMH6000E valve with a VC6013ZZ00 servo-motor with a cable) |