THERMOGROUP MINI EUROPE

THERMOGROUP MINI EUROPE Electric Wall-Mounted Boiler User Manual

Models: 5 kW to 15 kW, 380/400 V Central Heating

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your THERMOGROUP MINI EUROPE electric wall-mounted boiler. Please read this manual thoroughly before attempting any installation or operation. Retain this manual for future reference.

Important: Installation and initial setup must be performed by a qualified and certified professional in accordance with all local and national regulations.

2. Product Overview

The THERMOGROUP MINI EUROPE is an electric wall-mounted boiler designed for central heating systems. It is suitable for use as a primary or secondary heating unit, particularly in cascade installations, as it operates without an integrated circulation pump. This boiler offers adjustable power output and precise temperature control.

Key Features:

- Operates as a 15 kW 380 V / 400 V three-phase boiler.
- Equipped with an insulated stainless steel radiator.
- Ideal for central wall heating, especially as a secondary unit due to the absence of a circulation pump.
- Connection for an adaptable room thermostat.
- Adjustable temperature range from 20°C to 80°C.
- Three power stages, offering 5 kW or 15 kW output.
- Compact dimensions: 63 cm (height) x 22 cm (width) x 11 cm (depth).
- Weight: 10 kg.

Main Components:

1. Insulated stainless steel radiator
2. Silent ETI switch
3. ETI power switch

4. Temperature thermostat
5. Overheating protection (85 °C)
6. Room thermostat connection
7. Power terminal
8. Cold water inlet (1 inch)
9. Hot water outlet (1 inch)
10. LED indicator for electrical voltage
11. Cable screw connection for power supply



Figure 1: Front view of the THERMOGROUP MINI EUROPE electric wall-mounted boiler. This image shows the compact design and the control panel on the front.

3. Safety Information

Failure to follow these safety instructions could result in electric shock, fire, serious injury, or death.

- Always disconnect power to the unit before performing any maintenance, installation, or service.
- This appliance must be earthed.
- Do not operate the boiler if it is damaged or malfunctioning.
- Ensure proper ventilation around the unit.
- Do not block any vents or openings.
- Keep flammable materials away from the boiler.
- Water temperature can be very hot; exercise caution to prevent scalding.
- Only use genuine THERMOGROUP replacement parts.
- Do not attempt to repair the unit yourself. Refer all servicing to qualified personnel.

4. Setup and Installation

Installation must be carried out by a qualified and certified electrician and plumber in accordance with all

applicable local and national codes and regulations.

4.1 Mounting the Boiler:

The boiler is designed for wall-mounting. Select a suitable location that is easily accessible for maintenance, away from freezing temperatures, and on a wall capable of supporting the unit's weight (10 kg dry, plus water weight).

4.2 Water Connections:

- Connect the cold water supply to the 1-inch cold water inlet.
- Connect the central heating system return to the 1-inch hot water outlet.
- Ensure all connections are watertight and properly sealed.
- Fill the system and check for leaks before powering on.

4.3 Electrical Connections:

The boiler requires a 380 V / 400 V three-phase electrical supply. Connect the power supply cable to the power terminal using the cable screw connection. Ensure correct phase and neutral connections, and proper earthing.

- Connect the room thermostat to the dedicated room thermostat connection if desired.
- Verify all electrical connections are secure and insulated.

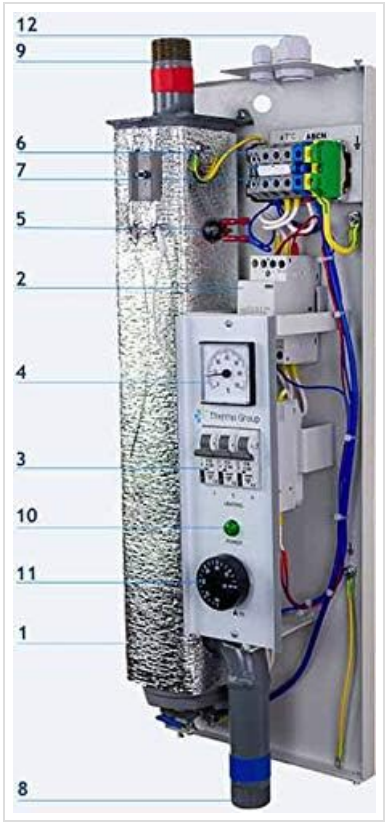


Figure 2: Internal view of the THERMOGROUP MINI EUROPE boiler with numbered components. This image illustrates the layout of the internal wiring, switches, thermostat, and heating element for installation reference.

5. Operating Instructions

Once installed and checked by a qualified professional, the boiler can be operated as follows:

5.1 Powering On/Off:

- To power on the boiler, switch the main ETI power switch to the 'ON' position.
- The LED indicator will illuminate, indicating electrical voltage is present.
- To power off, switch the main ETI power switch to the 'OFF' position.

5.2 Setting Temperature:

Use the temperature thermostat dial to set the desired water temperature. The adjustable range is from 20°C to 80°C.

5.3 Adjusting Power Output:

The boiler features three power stages, allowing for output of 5 kW or 15 kW. Use the silent ETI switch to select the desired power level according to your heating requirements.

5.4 Room Thermostat Control:

If an external room thermostat is connected, the boiler's operation will be regulated by the room thermostat's settings to maintain the desired ambient temperature.

6. Maintenance

All maintenance procedures, especially those involving internal components, must be performed by a qualified service technician.

- **Annual Inspection:** It is recommended to have the boiler inspected annually by a qualified professional to ensure optimal performance and safety.
- **Cleaning:** Keep the exterior of the boiler clean and free from dust and debris. Use a soft, damp cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Water Quality:** Ensure the central heating system water quality is maintained to prevent scale buildup and corrosion.
- **Pressure Check:** Regularly check the system pressure as recommended by your installer.

7. Troubleshooting

This section provides guidance for common issues. For complex problems, always contact a qualified service technician.

Problem	Possible Cause	Solution
Boiler does not turn on.	No power supply; main switch off; circuit breaker tripped.	Check main power switch. Check household circuit breaker. Ensure power cable is securely connected. If problem persists, contact a technician.
No heat from boiler.	Temperature setting too low; power stage not selected; overheating protection activated; system pressure too low.	Adjust temperature thermostat. Select appropriate power stage. Check if overheating protection has tripped (resets automatically after cooling). Check system pressure. Contact a technician if issues continue.
LED indicator is off.	No electrical voltage to the unit.	Verify power supply to the boiler. Check main switch and circuit breaker.
Boiler makes unusual noises.	Air in the system; component malfunction.	Bleed the central heating system if air is suspected. If noises persist or are severe, immediately power off the unit and contact a qualified technician.

The boiler is equipped with an overheating protection set at 85 °C. If this temperature is exceeded, the protection will activate, shutting down the heating elements. It will reset automatically once the temperature drops to a safe

level. If this occurs frequently, contact a service professional.

8. Specifications

Attribute	Value
Manufacturer	THERMOGROUP
Model	MINI EUROPE
Product Dimensions (H x W x D)	63 x 22 x 11 cm
Weight	10 kg
Voltage	380 V / 400 V (Three-phase)
Wattage	5 kW to 15 kW (Adjustable)
Temperature Range	20°C - 80°C
Overheating Protection	85 °C
ASIN	B0773TX4P9
First Available Date	February 21, 2020

9. Warranty and Support

For detailed warranty information, please refer to the documentation provided with your purchase or visit the official THERMOGROUP website. For technical support, service, or to locate authorized service centers, please contact THERMOGROUP directly.
Additional technical documentation may be available at: https://www.thermogroup.com/mini-Europe-FR.pdf
Please note that the linked document may be in French. Consult a professional for translation if needed.

Ask a question about this manual

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Example: How do I reset this device or fix this error?

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