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Technaxx TX-302

Technaxx TX-302 Radiator Fan Kit Instruction Manual

Model: TX-302

1. INTRODUCTION

The Technaxx TX-302 Radiator Fan Kit is designed to enhance the efficiency of your heating system by improving air circulation around radiators and convectors. This energy-efficient device helps to distribute heat more effectively and quickly throughout your room, contributing to reduced energy consumption. It features an ultra-silent operation and an automatic on/off function based on temperature sensing.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and use.
- Ensure the power supply voltage matches the requirements specified for the device.
- Do not expose the device to water or excessive moisture.
- Keep the device away from direct heat sources or open flames.
- Do not attempt to open or repair the device yourself. Contact qualified personnel for service.
- Ensure proper ventilation around the device during operation.
- Keep out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x Main Fan Unit (Technaxx TX-302)
- 1x Temperature Sensor
- 1x Power Adapter (EU and UK compatible)
- 1x User Manual

EINFACHE INSTALLATION & ERWEITERBAR

Passt auf die meisten 50–70 cm Heizkörper.
Für größere Räume kombinierbar mit TX-303



TECHNA^{XX}
GERMANY

Figure 3.1: Contents of the Techna^{XX} TX-302 Radiator Fan Kit, including the main fan unit, power adapter, temperature sensor, and connecting cables.

4. PRODUCT OVERVIEW

The Techna^{XX} TX-302 is an intelligent and energy-efficient radiator booster designed to optimize your home heating. It features:

- **Energy-Efficient Operation:** Reduces heating costs by improving radiator performance and lowering system temperature.
- **Ultra-Low Power Consumption:** Consumes less than 1 W.
- **Silent Operation:** Operates at a sound level below 20 dB, ensuring a quiet environment.
- **Rapid Room Heating:** Enhances air circulation for faster and more even heat distribution.
- **Automatic On/Off Function:** Integrated temperature sensor activates the fan at 35°C and deactivates it below 25°C.

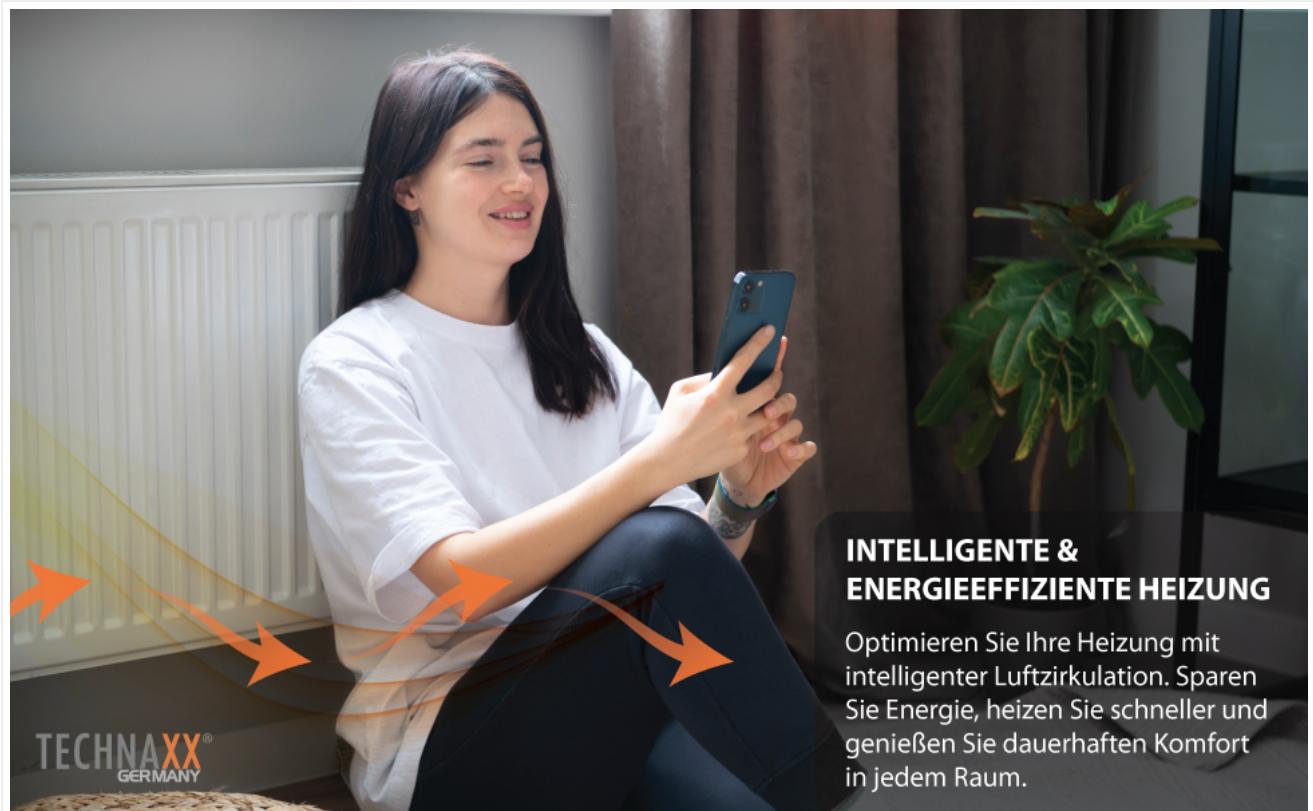


Figure 4.1: Illustration of intelligent and energy-efficient heating, showing improved air circulation from the radiator fan.



Figure 4.2: The Technaxx TX-302 fan unit installed on a radiator, highlighting its energy-saving and whisper-quiet operation (1W, 20dB).

5. SETUP AND INSTALLATION

The Technaxx TX-302 is designed for easy installation on most steel hot water radiators and convectors ranging from 50 to 70 cm in length. It is also compatible with the Technaxx TX-303 radiator fan extension for larger heating requirements.

Installation Steps:

- Positioning:** Place the main fan unit on top of your radiator or convector. Ensure it sits securely and does not obstruct the radiator's heat output. The unit can also be placed underneath the radiator if space allows and desired for specific air circulation patterns.
- Temperature Sensor Placement:** Attach the temperature sensor to a suitable location on the radiator, ideally where it can accurately detect the radiator's surface temperature.
- Power Connection:** Connect the power adapter to the main fan unit and then plug it into a standard electrical outlet.
- Cable Management:** Route the cables neatly to avoid tripping hazards and ensure they are not in contact with hot surfaces.



Figure 5.1: Visual representation of the Technaxx TX-302 fan unit installed on a radiator, demonstrating how it improves air circulation for faster and more even heat distribution.

6. OPERATING INSTRUCTIONS

The Technaxx TX-302 operates automatically based on the temperature detected by its integrated sensor.

- Automatic Activation:** The fan unit will automatically turn on when the radiator's surface temperature reaches approximately 35°C.
- Automatic Deactivation:** The fan unit will automatically turn off when the radiator's surface temperature drops below approximately 25°C.
- Continuous Operation:** Once activated, the fans will run continuously to circulate warm air until the radiator cools down below the deactivation threshold.

No manual intervention is required for daily operation. The system is designed to optimize heat distribution efficiently without constant adjustments.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Technaxx TX-302 Radiator Fan Kit.

- Cleaning:** Periodically clean the fan blades and housing with a soft, dry cloth to remove dust accumulation. Ensure the device is unplugged before cleaning.
- Inspection:** Regularly check the power cable and connections for any signs of damage. If any damage is found, discontinue use and contact support.
- Avoid Liquids:** Do not use liquid cleaners or immerse the device in water.

8. TROUBLESHOOTING

If you encounter issues with your Technaxx TX-302, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|--|---|
| Fan does not turn on. | No power supply; Radiator temperature too low. | Check power connection and wall outlet; Ensure radiator is hot enough (above 35°C). |
| Fan is unusually noisy. | Dust accumulation; Loose installation. | Unplug and clean fan blades; Re-secure the fan unit on the radiator. |
| Fan runs continuously even when radiator is cool. | Temperature sensor malfunction or incorrect placement. | Check sensor placement; Ensure sensor is firmly attached to the radiator surface. If problem persists, contact support. |

If the problem persists after attempting these solutions, please contact Technaxx customer support.

9. SPECIFICATIONS

Technical specifications for the Technaxx TX-302 Radiator Fan Kit:

| Feature | Detail |
|------------------------------------|---|
| Manufacturer | Technaxx |
| Model Number | 5214 |
| Product Dimensions (L x W x H) | 34.3 x 7 x 7 cm |
| Weight | 299.37 grams |
| Color | White |
| Material | Stainless Steel |
| Power Consumption | < 1 W |
| Noise Level | < 20 dB |
| Automatic Activation Temperature | 35°C |
| Automatic Deactivation Temperature | 25°C |
| Compatibility | 50-70 cm steel hot water radiators and convectors |

| Feature | Detail |
|-------------------|--------|
| Country of Origin | China |



Figure 9.1: Comparison of key performance metrics for Technaxx radiator fans against other brands, highlighting superior noise level, fan speed, and airflow.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product packaging or visit the official Technaxx website. If you require technical support or have questions regarding your TX-302 Radiator Fan Kit, please contact Technaxx customer service through their official channels.