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› TPI FH15 In-Floor Fan Forced Specialty Heater User Manual

TPI FH15

TPI FH15 In-Floor Fan Forced Specialty Heater User Manual

Model: FH15 | Brand: TPI

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your TPI FH15 In-Floor Fan Forced Specialty Heater. Please read this manual thoroughly before installation or use and retain it for future reference. The TPI FH15 is an in-floor fan forced specialty heater designed for various applications. It features a robust steel housing and offers multiple wattage and voltage configurations (750W, 1500W, 1500/1125W; 120V, 240V, 208V) to suit different electrical systems and heating requirements. Its fan-forced design ensures efficient air circulation and heat distribution.



Image: TPI FH15 In-Floor Fan Forced Specialty Heater. This image displays the compact, rectangular design of the heater with its top grille visible, designed for flush installation into a floor.

Key Features:

- **High-Quality Construction:** Manufactured with durable materials, built to withstand industrial demands, offering resistance to wear, corrosion, and mechanical stress.
- **Efficient Air Flow:** Equipped with a high air flow capacity fan, ensuring effective heat circulation and even distribution for optimal comfort.
- **Versatile Power Options:** Supports multiple wattage (750W, 1500W, 1500/1125W) and voltage (120V, 208V, 240V) configurations for adaptability to various electrical setups.
- **Safety Certifications:** Designed and manufactured with safety as a priority, meeting relevant industry certifications for reliable operation.
- **Trusted Manufacturer:** Produced by TPI Corporation, a recognized manufacturer of industrial and commercial electrical products, ensuring quality and reliability.

2. IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of fire, electrical shock, or injury, observe the following:

- Read all instructions before installing or using this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains, at least 3 feet (0.9 m) from the front of the heater and keep them

away from the sides and rear.

- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always disconnect power at the main service panel before installing or servicing this heater.
- Do not use outdoors.
- This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

3. PRODUCT COMPONENTS

The TPI FH15 In-Floor Heater consists of several key components working together to provide efficient heating:

- **Grille:** The top surface, typically a durable metal grate, through which heated air is expelled and cool air is drawn in.
- **Heating Element:** The electrical component responsible for generating heat.
- **Fan:** A motor-driven fan that forces air over the heating element and into the room, ensuring rapid and even heat distribution.
- **Housing:** The sturdy steel enclosure that contains and protects the internal components, designed for in-floor installation.
- **Terminal Block:** For electrical connections.



Image: A detailed view of the TPI FH15 heater, highlighting its robust grille and compact housing, indicating its design for seamless integration into flooring.

4. SETUP AND INSTALLATION

IMPORTANT: Installation of the TPI FH15 In-Floor Heater should only be performed by a qualified electrician in accordance with all local and national electrical codes. Incorrect installation can lead to fire, electrical shock, or serious injury.

Pre-Installation Checks:

- Verify that the supply voltage matches the heater's voltage rating (120V, 208V, or 240V).
- Ensure the chosen location for installation provides adequate clearance around the heater for proper airflow and safety.
- Confirm that the electrical circuit is properly sized and protected with the correct overcurrent device for the heater's wattage.
- Inspect the heater for any shipping damage before installation.

Installation Steps (Professional Installation Recommended):

1. **Disconnect Power:** Before beginning any work, ensure power to the circuit is turned OFF at the main service panel.
2. **Prepare Opening:** Create an appropriately sized opening in the floor for the heater housing. The opening must allow for proper ventilation and secure mounting.
3. **Mount Heater:** Securely place the heater housing into the prepared opening. Ensure it is level and flush with the floor surface.
4. **Electrical Connection:** Route the electrical supply wires to the heater's terminal block. Connect the wires according to the

wiring diagram provided with the heater and local electrical codes. Ensure all connections are tight and secure.

5. **Grounding:** Properly ground the heater as required by electrical codes.
6. **Secure Grille:** Once wiring is complete and inspected, attach the top grille securely to the heater housing.
7. **Restore Power:** After installation is complete and all connections are verified, restore power at the main service panel.

5. OPERATING INSTRUCTIONS

The TPI FH15 heater is designed for straightforward operation once properly installed. The specific controls may vary slightly based on the exact model and any integrated thermostats or external controls.

Initial Power-Up:

- After installation and power restoration, the heater may emit a slight odor during its first few hours of operation. This is normal and will dissipate quickly.
- Allow the heater to run for a short period to ensure proper function and heat output.

Setting Wattage and Voltage (if applicable):

The FH15 model supports multiple wattage and voltage configurations. These settings are typically configured during installation by a qualified electrician via internal wiring connections. Refer to the wiring diagram supplied with your heater for details on how the wattage (750W, 1500W, 1500/1125W) and voltage (120V, 208V, 240V) are selected. **Do not attempt to change these settings without disconnecting power and consulting a qualified electrician.**

Thermostat Control:

If your installation includes an external or integrated thermostat, adjust the thermostat to your desired temperature setting. The heater will cycle on and off to maintain the set temperature.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your TPI FH15 heater. Always disconnect power at the main service panel before performing any maintenance.

Cleaning:

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Grille:** Periodically vacuum or brush the grille to remove dust and debris that may accumulate and obstruct airflow.
- **Internal Components:** For internal cleaning, it is recommended to consult a qualified service technician. Do not attempt to clean internal components yourself unless you are qualified to do so and have disconnected all power.

Inspection:

- Periodically inspect the heater for any signs of damage, loose connections, or unusual wear.
- Ensure the fan operates smoothly and quietly.
- If any issues are observed, disconnect power immediately and contact a qualified service technician.

7. TROUBLESHOOTING

Before attempting any troubleshooting, ensure the power to the heater is disconnected at the main service panel. If you are unsure about any step, contact a qualified electrician.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit; tripped circuit breaker; faulty wiring connection; faulty thermostat.	Check circuit breaker/fuse. Verify power supply. Inspect wiring connections (professional only). Test or replace thermostat.
Heater produces insufficient heat.	Incorrect wattage setting; obstructed airflow; room size too large for heater capacity.	Ensure correct wattage is configured (professional only). Clear any obstructions from grille. Consider supplemental heating or a higher capacity unit.
Fan is not operating.	Fan motor issue; wiring problem; thermal cutout activated.	Check for obstructions. Allow unit to cool if thermal cutout is suspected. Contact service technician for motor or wiring issues.
Unusual noises or odors.	Loose components; debris in fan; initial burn-off (new unit); electrical issue.	For new units, initial odor is normal. For persistent or strong odors/noises, disconnect power immediately and contact a qualified technician.

8. SPECIFICATIONS

Attribute	Detail
Model Number	FH15
Type	In-Floor Fan Forced Specialty Heater
Wattage	750W, 1500W, 1500/1125W (Multiple configurations)
Voltage Rating	120V, 208V, 240V (Multiple supply voltages)
Phase	1 Phase
Mounting	Floor
Housing Material	Steel
Manufacturer	TPI Corporation
Country of Origin	USA

9. WARRANTY AND SUPPORT

For specific warranty information regarding your TPI FH15 In-Floor Fan Forced Specialty Heater, please refer to the warranty card included with your product packaging or contact TPI Corporation directly.

Customer Support:

If you have any questions about the installation, operation, maintenance, or troubleshooting of your heater, please contact TPI Corporation customer support. Contact details can typically be found on the manufacturer's official website or on the product packaging.

When contacting support, please have your model number (FH15) and any relevant purchase information ready to assist in a quicker resolution.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question