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› Techomey Propane Refrigerator with Freezer 9.35 Cu.Ft, Model HDG-275B1U User Manual

Techomey HDG-275B1U

Techomey Propane Refrigerator with Freezer 9.35 Cu.Ft, Model HDG-275B1U User Manual

Model: HDG-275B1U

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation of your Techomey HDG-275B1U Propane Refrigerator with Freezer. This appliance features a 9.35 cubic feet capacity, offering both refrigeration and freezing capabilities, and operates on dual power sources: 110V AC electricity or Liquid Petroleum Gas (LPG).



More space to store more food

Image 1.1: Front view of the Techomey HDG-275B1U Propane Refrigerator with Freezer.

The refrigerator is designed with two separate compartments: a top freezer compartment with 2.08 Cu. Ft capacity (approximately 3.2°F) and a bottom fresh food compartment with 7.27 Cu. Ft capacity (ranging from 32-54°F). Its absorption technology ensures quiet operation, making it suitable for various environments including off-grid living, RVs, campers, and kitchens.

2. SAFETY GUIDELINES

Read all instructions before using this appliance to reduce the risk of fire, electric shock, or injury. Keep this manual for future reference.

- **Ventilation:** Ensure adequate ventilation around the refrigerator. *Do not leave the appliance in an enclosed space* without proper airflow, especially when operating on LPG.
- **Power Source:** This appliance requires **manual switching** between 110V AC and LPG power sources. Always ensure the correct power source is selected and the other is disconnected or turned off before switching.
- **Flammable Materials:** Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **Installation:** Installation must be performed by a qualified technician in accordance with local codes and regulations.

- **Children:** Supervise children to ensure they do not play with the appliance.
- **Maintenance:** Disconnect the appliance from the power supply before performing any maintenance or cleaning.

3. INSTALLATION AND SETUP

3.1 Unpacking

- Carefully remove all packaging materials.
- Inspect the refrigerator for any shipping damage. Report any damage immediately to your retailer.
- Remove all internal packing, shelves, and accessories.

3.2 Placement

- The Techomey HDG-275B1U is a **freestanding** unit. Do not build it into cabinetry without ensuring proper ventilation clearances.
- Place the refrigerator on a firm, level surface capable of supporting its weight (approximately 169.4 lbs).
- Allow sufficient space around the unit for proper air circulation (at least 4 inches on sides and back, 12 inches above). This is crucial for efficient operation, especially when using LPG.
- Avoid direct sunlight or heat sources.

2 WAY REFRIGERATOR



Image 3.1: Product dimensions (23.6"D x 29.13"W x 64.2"H).

3.3 Power Connection

This refrigerator operates on either 110V AC electricity or LPG. **It is essential to manually switch between these power sources. Do not attempt to operate on both simultaneously.**

- **110V AC Connection:** Plug the power cord into a grounded 110V AC outlet.
- **LPG Connection:** Connect the refrigerator to a standard LPG cylinder using an approved gas hose and regulator. Ensure all connections are tight and check for leaks using a soapy water solution before operation. Refer to local gas installation codes.

4. OPERATING INSTRUCTIONS

4.1 Power Source Selection

Locate the power selection switch on the control panel. To switch between 110V and LPG, ensure the current power source is turned off or disconnected before activating the new source. For example, if running on 110V, unplug the unit before turning on the LPG supply and igniting the burner.

4.2 Initial Startup

- After connecting to the desired power source, allow the refrigerator to run for several hours (at least 4-6 hours) before loading with food. This allows the internal temperature to stabilize.
- The absorption cooling system operates silently, which is normal.

4.3 Temperature Control

The refrigerator features an adjustable temperature control. Locate the thermostat dial, typically on the interior or control panel. Turn the dial to adjust the cooling intensity. Higher settings provide colder temperatures.

4.4 Compartment Usage

- **Freezer Compartment (Top):** Ideal for storing frozen foods such as meat, fish, and ice cream. Capacity: 2.08 Cu. Ft.
- **Fresh Food Compartment (Bottom):** Suitable for fresh produce, beverages, and dairy. Capacity: 7.27 Cu. Ft.
- **Moisture-Fresh Crisper:** The dedicated crisper drawer helps maintain optimal humidity levels for fruits and vegetables, keeping them fresh longer.



Image 4.1: Interior view showing freezer and fresh food compartments with shelves and crisper.

5. CARE AND MAINTENANCE

5.1 Cleaning

- Always unplug the refrigerator or turn off the gas supply before cleaning.
- Clean the interior and exterior surfaces with a mild detergent and warm water. Avoid abrasive cleaners or solvents.
- Wipe down door seals regularly to ensure a tight seal.
- Clean the condenser coils (located at the back or bottom) periodically to maintain efficiency.

5.2 Defrosting

This refrigerator features an **automatic defrost system** for the fresh food compartment. The freezer compartment may require manual defrosting if ice buildup becomes excessive. To manually defrost:

- Remove all food items and place them in a cooler.
- Turn off the refrigerator and leave the freezer door open.
- Place towels at the bottom to absorb melting ice. Do not use sharp objects to remove ice.
- Once defrosted, clean and dry the interior before restarting.

5.3 Long-Term Storage

If the refrigerator will not be used for an extended period:

- Empty all food items.
- Disconnect from both 110V power and LPG supply.
- Clean and dry the interior thoroughly to prevent mold and odors.
- Leave the doors slightly ajar to allow air circulation.

6. TROUBLESHOOTING GUIDE

Before contacting customer support, refer to the following table for common issues and solutions.

Problem	Possible Cause	Solution
Refrigerator not cooling	Incorrect power source selected; no power; poor ventilation; door not closed properly; temperature setting too high.	Ensure correct power source (110V or LPG) is active and the other is off. Check power connection/gas supply. Verify adequate ventilation. Close door completely. Adjust temperature setting lower.
Excessive noise	Unit not level; objects vibrating against the unit.	Level the refrigerator using adjustable feet. Ensure no objects are touching the back or sides of the unit.
Water on floor (condensation)	Door left open; high humidity; drain tube blocked.	Ensure door is closed tightly. This is normal in high humidity. Check and clear the drain tube.
Gas burner not igniting	No gas supply; igniter issue; air in gas line.	Check LPG tank level and connections. Consult a qualified technician for igniter issues. Purge air from gas line by attempting ignition several times.

7. PRODUCT SPECIFICATIONS

Key technical specifications for the Techomey HDG-275B1U Propane Refrigerator with Freezer:

Feature	Specification
Model Number	HDG-275B1U
Brand	Techomey
Total Capacity	9.35 Cubic Feet
Freezer Capacity	2.08 Cubic Feet
Fresh Food Capacity	7.27 Cubic Feet
Product Dimensions (D x W x H)	23.6" x 29.13" x 64.2"
Item Weight	169.4 Pounds
Power Source	Gas-Powered / 110V AC
Cooling Method	Absorption
Defrost System	Automatic
Number of Doors	2
Adjustable Temperature Control	Yes
Refrigerant	R-290 or R-600A
Installation Type	Freestanding

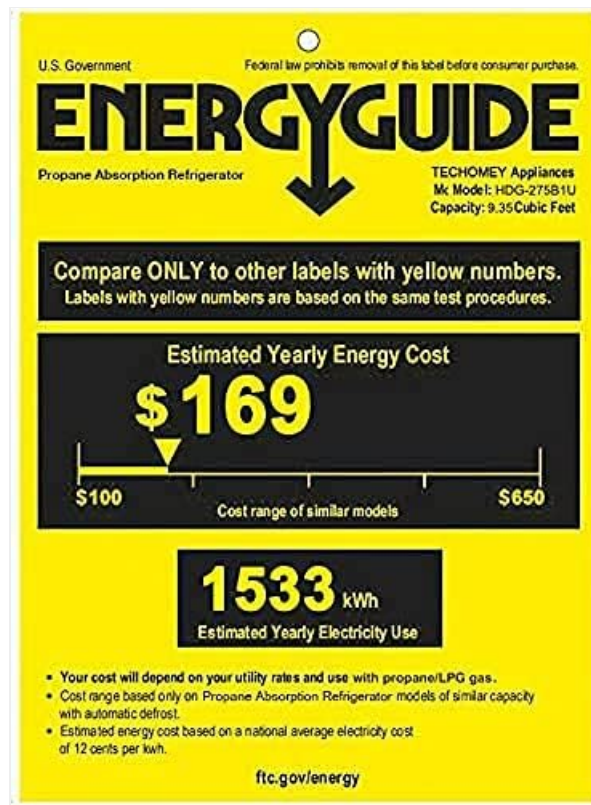


Image 7.1: Energy Guide label for the Techomey HDG-275B1U.

8. WARRANTY AND CUSTOMER SUPPORT

8.1 Warranty Information

Techomey offers a reliable **12-month warranty** for this product, covering manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty service, or general inquiries, please contact Techomey customer support. Refer to the contact information provided with your purchase documentation or visit the official Techomey website.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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