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› LG 398 L Frost-Free Smart Inverter Double Door Refrigerator User Manual (Model GL-N422SDSY)

LG GL-N422SDSY

LG 398 L Frost-Free Smart Inverter Double Door Refrigerator User Manual

Model: GL-N422SDSY

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation of your new LG 398 L Frost-Free Smart Inverter Double Door Refrigerator, Model GL-N422SDSY. Please read this manual thoroughly before using the appliance and retain it for future reference.

Key features of your refrigerator include:

- **Frost-Free Operation:** Automatic defrost function prevents ice build-up.
- **Smart Inverter Compressor:** Designed for energy efficiency, reduced noise, and enhanced durability.
- **Capacity:** 398 Liters total (90 L freezer, 308 L fresh food), suitable for families with 5 or more members.
- **Multi Air Flow:** Maintains consistent temperatures for optimal food freshness.
- **Stabilizer Free Operation:** Functions reliably within a voltage range of 100-310V.



Figure 1.1: Interior layout of the LG GL-N42SDSY refrigerator, highlighting freezer capacity (90 Ltr.), fresh food capacity (308 Ltr.), 2-liter bottle storage, Auto Smart Connect feature, Deodorizer, and two trimless tempered glass shelves.

2. SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury when using your refrigerator, follow these basic precautions:

- Ensure the refrigerator is properly grounded.
- Do not use an adapter plug or extension cord.
- Unplug the refrigerator before cleaning or making repairs.
- Keep ventilation openings clear of obstruction.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- The refrigerant used is R-600A, which is flammable. Handle with care during transportation and installation to avoid damage to the refrigerant circuit.

3. SETUP AND INSTALLATION

3.1 Unpacking

Remove all packaging materials, including tape and protective films. Inspect the refrigerator for any damage during transit. Keep packaging materials out of reach of children.

3.2 Placement

Choose a location with a solid, level floor that can support the refrigerator's weight. Ensure adequate clearance around the appliance for proper ventilation (at least 5 cm on sides and back, 10 cm on top). Avoid direct sunlight or heat sources.



Figure 3.1: Refrigerator dimensions (Depth: 70.3 cm, Width: 58.5 cm, Height: 147.5 cm) and energy efficiency guide.

3.3 Leveling

Adjust the leveling feet at the bottom of the refrigerator to ensure it is stable and level. This prevents vibrations and ensures proper door sealing.

3.4 Power Connection

Connect the power cord to a dedicated, properly grounded electrical outlet. This refrigerator features Stabilizer Free Operation, designed to work efficiently within a voltage range of 100-310V, eliminating the need for an external stabilizer.

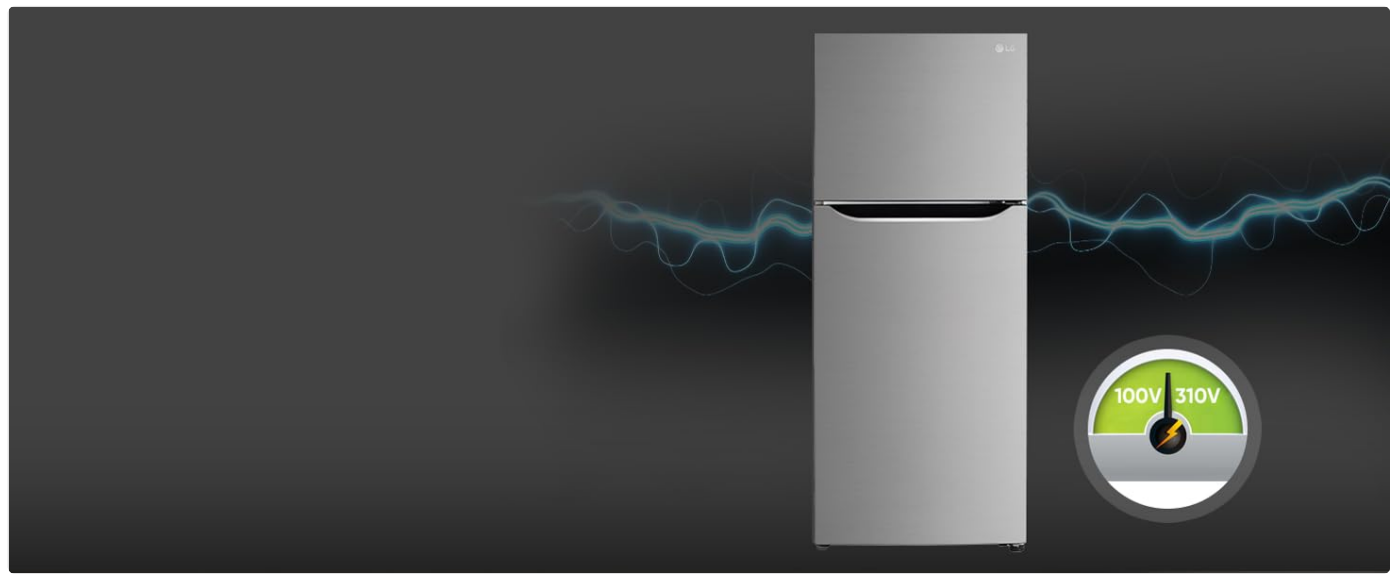


Figure 3.2: The refrigerator operates without a stabilizer within a 100-310V range.

3.5 Initial Operation

After installation, allow the refrigerator to stand for at least 2-3 hours before plugging it in. Once plugged in, let it run for 24 hours empty to reach optimal cooling temperatures before storing food.

4. OPERATING INSTRUCTIONS

4.1 Temperature Control

The refrigerator features a Micom Tact temperature control system. Adjust the temperature settings for both the freezer and fresh food compartments as needed. Refer to the control panel inside the refrigerator for specific adjustments.

4.2 Express Freeze Function

Activate the Express Freeze function to rapidly lower the freezer temperature, ideal for freezing large quantities of fresh food quickly or making ice faster.

4.3 Multi Air Flow System

The Multi Air Flow system ensures even cooling throughout the refrigerator, helping to maintain ideal temperature levels and keep food fresher for longer. Avoid blocking the air vents inside the compartments.



Figure 4.1: Illustration of the Multi Air Flow system distributing cool air evenly.

4.4 Smart Connect

The Smart Connect feature allows your refrigerator to connect to your home inverter, providing uninterrupted cooling during power outages. Consult your inverter manual for compatibility and connection instructions.



Figure 4.2: Smart Connect feature enabling refrigerator operation via home inverter during power cuts.

4.5 Storage Features

- **Toughened Glass Shelves:** Two durable shelves designed to hold heavy items.
- **Veg Tray:** A 33-liter capacity vegetable tray for fresh produce storage.
- **Pull Out Tray:** Convenient for accessing items stored at the back.
- **Single Twist Ice Maker:** Produces 14 ice cubes per tray with a simple twist mechanism.
- **Transparent Door Basket:** Provides clear visibility and easy access to frequently used items.



Figure 4.3: Interior features including the single twist ice maker, anti-bacterial gasket, and large vegetable basket.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning helps maintain hygiene and efficiency. Unplug the refrigerator before cleaning.

- **Interior:** Wipe with a soft cloth dampened with a mild detergent solution. Rinse and dry thoroughly.
- **Exterior:** Clean with a soft, damp cloth. For stainless steel finishes, use a specialized stainless steel cleaner.
- **Anti-Bacterial Gasket:** Regularly clean the door gasket to prevent the build-up of fungi and bacteria.
- **Deodorizer:** The built-in deodorizer helps keep the fridge smelling fresh. No specific maintenance is typically required for this feature.

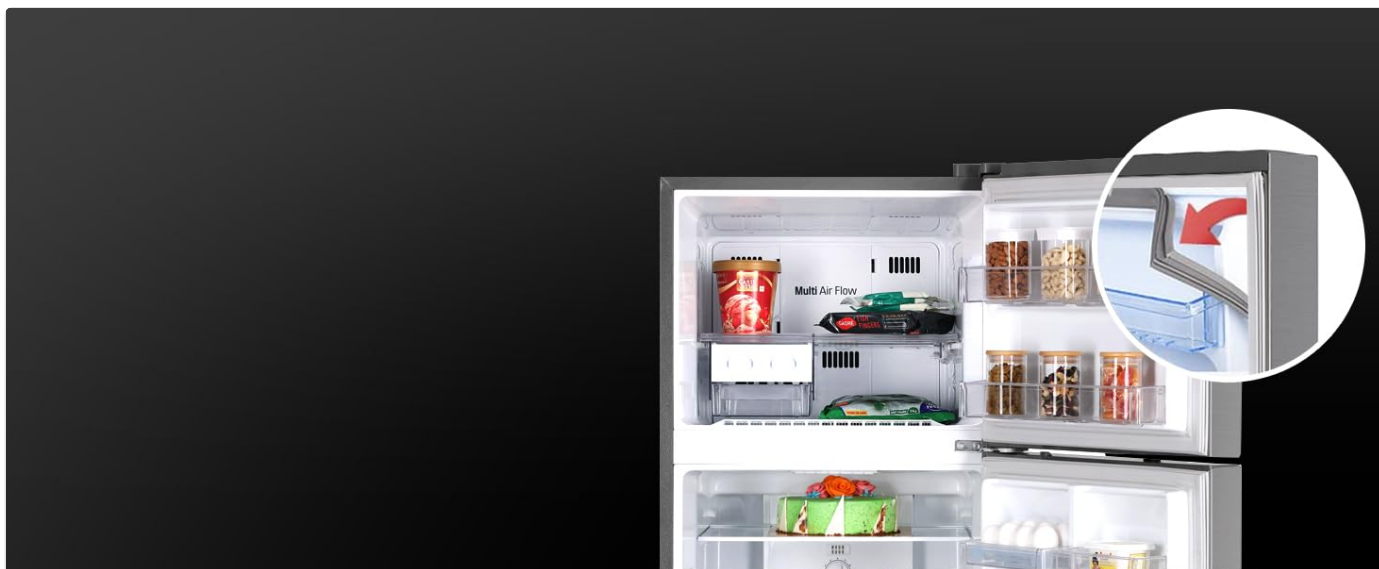


Figure 5.1: The anti-bacterial door gasket helps maintain hygiene.

5.2 Defrosting

Your LG refrigerator is Frost-Free, meaning it automatically defrosts. Manual defrosting is generally not required. If excessive frost builds up due to frequent door opening or high humidity, ensure the door seals are intact and consider reducing door opening frequency.

5.3 Shelf and Drawer Care

The toughened glass shelves and plastic drawers can be removed for cleaning. Wash them with mild soap and water, rinse thoroughly, and dry before placing them back into the refrigerator.

6. TROUBLESHOOTING

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Refrigerator not cooling	Power outage; temperature setting too high; door not closed properly; poor ventilation.	Check power supply; adjust temperature; ensure door is sealed; clear ventilation areas.
Unusual noise	Refrigerator not level; items vibrating inside; normal compressor operation.	Level the appliance; rearrange items; some sounds are normal.
Water on floor	Drain tube clogged; excessive humidity.	Clear drain tube (refer to service if unsure); reduce door opening frequency.

6.1 Smart Diagnosis

Your LG refrigerator is equipped with Smart Diagnosis, a feature that allows for quick and easy troubleshooting of issues. If you encounter a problem, you can use the Smart Diagnosis function to transmit data to LG service center for analysis. Refer to the LG Smart Diagnosis app or contact customer support for instructions on how to use this feature.

7. SPECIFICATIONS

Detailed technical specifications for the LG GL-N422SDSY Refrigerator:

- **Model Name:** GL-N422SDSY

- **Capacity:** 398 Liters (Total)
- **Freezer Capacity:** 90 Liters
- **Fresh Food Capacity:** 308 Liters
- **Energy Rating:** 2 Star
- **Annual Energy Consumption:** 290 Kilowatt Hours Per Year
- **Product Dimensions (D x W x H):** 68D x 70W x 176H Centimeters
- **Item Weight:** 69 Kilograms
- **Configuration:** Freezer-on-Top
- **Defrost System Type:** Frost Free
- **Compressor Type:** Smart Inverter Compressor
- **Voltage:** 220 Volts (Works without Stabilizer 100-310V)
- **Shelf Type:** Toughened Glass (2 shelves)
- **Refrigerant:** R-600A
- **Color:** Dazzle Steel

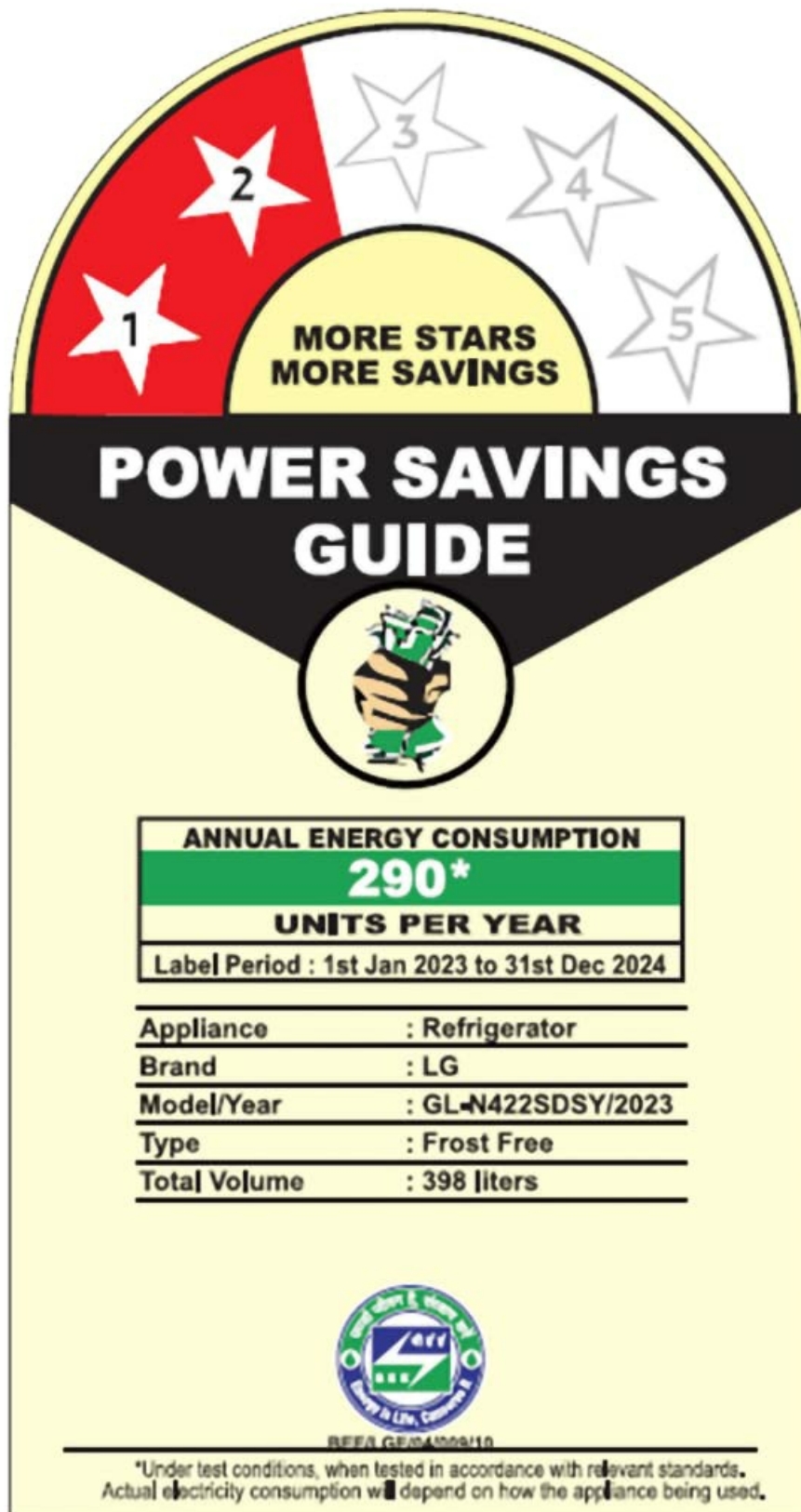


Figure 7.1: Energy label indicating 2-star rating and annual energy consumption.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your LG refrigerator comes with a comprehensive warranty:

- **Product Warranty:** 1 year from the date of purchase.
- **Compressor Warranty:** 10 years on the Smart Inverter Compressor (terms and conditions apply).

Please retain your purchase receipt as proof of warranty.

8.2 Customer Support

For any service, support, or warranty claims, please contact LG customer service:

- **Call:** 08069379999
- **WhatsApp:** 9711709999
- **E-Mail:** serviceindia@lge.com
- **Manufacturer Address:** LG Electronics India Pvt. Ltd., Plot No. A-5, MIDC, Ranjangaon, Tal Shirur, Pune (Maharashtra)-412220