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› Panasonic 280 L Double Door 3 Star AI Enabled Inverter Technology Frost Free Refrigerator User Manual

Panasonic NR-TH292CPKN

Panasonic 280 L Double Door Refrigerator

Model: NR-TH292CPKN

AI Enabled Inverter Technology Frost Free Refrigerator

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your new Panasonic 280 L Double Door Refrigerator. Please read this manual thoroughly before using the appliance and keep it for future reference.

Your Panasonic refrigerator features advanced technologies such as AI ECONAVI, Inverter Compressor, and AG Clean, designed to provide optimal food preservation and energy efficiency.

2. SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- Ensure the refrigerator is placed on a stable, level surface.
- Do not block ventilation openings.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Unplug the refrigerator before cleaning or performing maintenance.
- Keep flammable materials and vapors away from the refrigerator.

3. SETUP AND INSTALLATION

Your Panasonic refrigerator is designed for freestanding installation.

3.1 Unpacking

Carefully remove all packaging materials. Inspect the refrigerator for any damage incurred during transit. Keep packaging materials away from children.

3.2 Placement

Choose a location that is dry, well-ventilated, and away from direct sunlight or heat sources. Ensure there is adequate space around the refrigerator for proper ventilation (as per manufacturer guidelines, typically a few inches from walls).



Figure 3.2.1: Refrigerator dimensions (56 cm W x 68.1 cm D x 160.5 cm H). Ensure sufficient space for proper air circulation.

3.3 Leveling

Use the adjustable feet at the bottom of the refrigerator to ensure it is perfectly level. This prevents vibrations and ensures proper door sealing.

3.4 Power Connection

Connect the refrigerator to a dedicated grounded electrical outlet. Allow the refrigerator to stand upright for at least 2-4 hours before plugging it in to allow refrigerants to settle.

4. OPERATING INSTRUCTIONS

Your Panasonic refrigerator is equipped with intelligent features for optimal performance.

4.1 Initial Operation

After plugging in, the refrigerator will begin cooling. It may take several hours for the internal temperature to reach the desired level. Avoid placing large quantities of food inside immediately.

4.2 AI ECONAVI Technology



Figure 4.2.1: Front view highlighting Intelligent Inverter and AI ECONAVI features.

AI ECONAVI monitors and memorizes your refrigerator usage patterns, such as door opening frequency and internal temperature. The Inverter Compressor automatically adjusts cooling power to optimize energy efficiency based on these patterns, saving electricity.



Figure 4.2.2: Illustration of Econavi Technology utilizing multiple sensors for optimized performance.

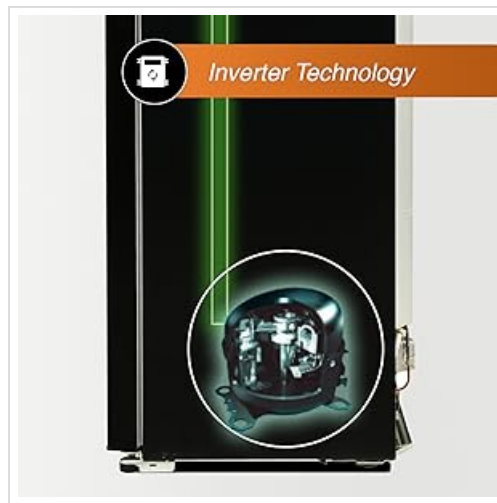


Figure 4.2.3: Depiction of the Inverter Compressor, which provides energy-efficient and quiet operation.

4.3 AG Clean Technology

This technology eliminates 99.9% of mold and bacteria inside the refrigerator, ensuring a hygienic environment for your food.



Figure 4.3.1: AG Clean technology actively deactivates 99.9% of bacteria within the refrigerator compartment.

4.4 Gentle Surround Cooling

This feature minimizes food damage by providing even cooling throughout the refrigerator, preventing concentrated airflow directly onto food items.



Figure 4.4.1: Arrows illustrating the gentle surround airflow for uniform cooling.

4.5 Humidity Care Controller & Jumbo Fresh Vegetable Case

The 30L Jumbo Fresh Vegetable Case, combined with the Humidity Care Controller, maintains optimum humidity and constant temperature, keeping fruits and vegetables fresh and juicy for longer.



Figure 4.5.1: The spacious 30L Jumbo Fresh Vegetable Case, designed to store a large quantity of produce.



Figure 4.5.2: Close-up of the humidity control mechanism within the vegetable crisper.

4.6 Tempered Glass Shelves & Double Twist Ice Tray

The highly durable tempered glass shelves can withstand weight up to 100 kgs, allowing for storage of heavy pans and containers. The detachable double twist ice tray makes ice dispensing convenient.



TEMPERED GLASS
SHELVES



BIG DOOR
POCKETS



HUMIDITY
CONTROL

Figure 4.6.1: Interior view showing tempered glass shelves, big door pockets, and humidity control features.

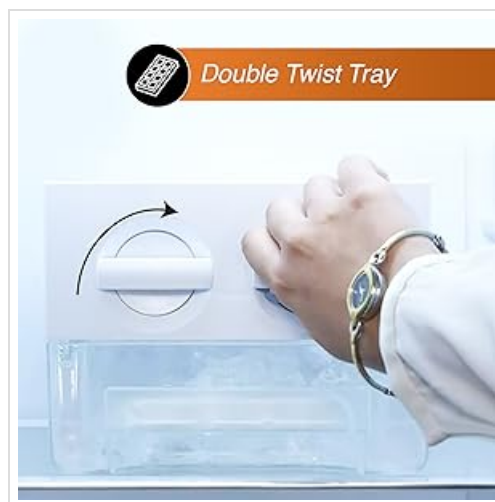


Figure 4.6.2: Tempered glass shelves designed to hold heavy items up to 100 kg.



Figure 4.6.3: Demonstrating the easy operation of the double twist ice tray for convenient ice dispensing.

4.7 Stabilizer Free Operations

The refrigerator is designed for stabilizer-free operation, providing reliable performance even during voltage fluctuations.



Figure 4.7.1: Interior view indicating the refrigerator's capability for stabilizer-free operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your refrigerator.

5.1 Cleaning the Interior

Unplug the refrigerator before cleaning. Use a soft cloth dampened with a mild detergent solution to clean the interior surfaces. Rinse with clean water and dry thoroughly. Do not use abrasive cleaners or solvents.

5.2 Cleaning the Exterior

Wipe the exterior surfaces with a soft, damp cloth. For stubborn stains, use a mild detergent. Avoid spraying water directly onto the refrigerator.

5.3 Condenser Coils

Periodically clean the condenser coils at the back or bottom of the refrigerator to ensure efficient cooling. Use a vacuum cleaner or a soft brush to remove dust and debris.

5.4 Door Gaskets

Inspect and clean the door gaskets regularly to ensure a tight seal. A damaged or dirty gasket can lead to energy loss and inefficient cooling.

6. TROUBLESHOOTING

Before contacting service, refer to the following common issues and their solutions.

Problem	Possible Cause	Solution
Refrigerator not cooling	Power cord unplugged; thermostat set too high; door not closed properly; excessive food load.	Check power connection; adjust thermostat; ensure door is sealed; reduce food load if overloaded.
Unusual noises	Refrigerator not level; objects vibrating against the unit; compressor noise (normal).	Level the refrigerator; remove vibrating objects; normal compressor sounds are common.
Water on floor/inside	Drain tube clogged; door not sealed properly; high humidity.	Clear drain tube; check door gasket; this is normal in high humidity.
Excessive frost build-up	Door left open frequently; door gasket not sealing; high humidity.	Ensure door is closed quickly; check and clean door gasket; this is normal in high humidity.

If the problem persists after attempting these solutions, please contact Panasonic customer service.

7. SPECIFICATIONS

Feature	Detail
Brand	Panasonic
Model	NR-TH292CPKN
Capacity	280 litres (Net Capacity: 256L)
Energy Efficiency	3 Star (as per BEE guidelines)
Annual Energy Consumption	234 Kilowatt Hours
Refrigerator Fresh Food Capacity	207 litres
Freezer Capacity	83 Litres
Installation Type	Freestanding
Colour	Diamond Black
Defrost System	Automatic (Frost Free)
Shelf Type	Toughened Glass
Item Dimensions (LxWxH)	60 x 68.1 x 160.5 Centimeters
Item Weight	54 kg
Special Features	30L Jumbo Fresh Vegetable Basket, Humidity Care Controller, Functional Storage Design, Height Adjustable Shelves, Movable Ice Tray, Toughened Glass Shelves, Big Door Pockets, Ag Clean Technology, Gentle Surround Cooling, Inverter Compressor



POWER SAVINGS GUIDE



ANNUAL ENERGY CONSUMPTION

234*

UNITS PER YEAR

Label Period : 1st Jan 2023 to 31st Dec, 2024

Appliance	: Refrigerator
Brand	: Panasonic
Model/Year	: NR-TH292CPKN / 2023
Type	: Frost Free
Total Volume	: 257 liters



BEE/PAN/04/27/09

*Under test conditions, when tested in accordance with relevant standards.
Actual electricity consumption will depend on how the appliance being used.

Figure 7.1: Front view of the Panasonic NR-TH292CPKN Refrigerator.



SURROUND
COOLING



35L JUMBO
STORAGE



AG
CLEAN



Figure 7.2: Side view of the refrigerator illustrating its dimensions.



Figure 7.3: Energy efficiency label for the Panasonic NR-TH292CPKN Refrigerator, showing 3-star rating and annual energy consumption.

8. WARRANTY AND SUPPORT

Your Panasonic refrigerator comes with a comprehensive warranty:

- **1 Year** on Product
- **10 Years** on Compressor

For service requests, technical support, or warranty claims, please contact Panasonic customer service. Refer to the warranty card included with your product for detailed terms and conditions.

Included Components: Main Unit, Owners Manual, Warranty Card.