

Samsung RM90F

Samsung Family Hub French Door Refrigerator RM90F User Manual

Model: RM90F

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Samsung Family Hub French Door Refrigerator, model RM90F. Please read this manual thoroughly before using your appliance and keep it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury when using your refrigerator. Keep children away from packaging materials. Ensure the appliance is properly grounded. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance. Do not use electrical appliances inside the food storage compartments unless they are of the type recommended by the manufacturer.

3. SETUP

3.1 Unpacking and Placement

Carefully remove all packaging materials. Position the refrigerator on a level, stable surface. Ensure adequate clearance around the appliance for proper ventilation. Refer to the dimensions diagram for precise measurements.

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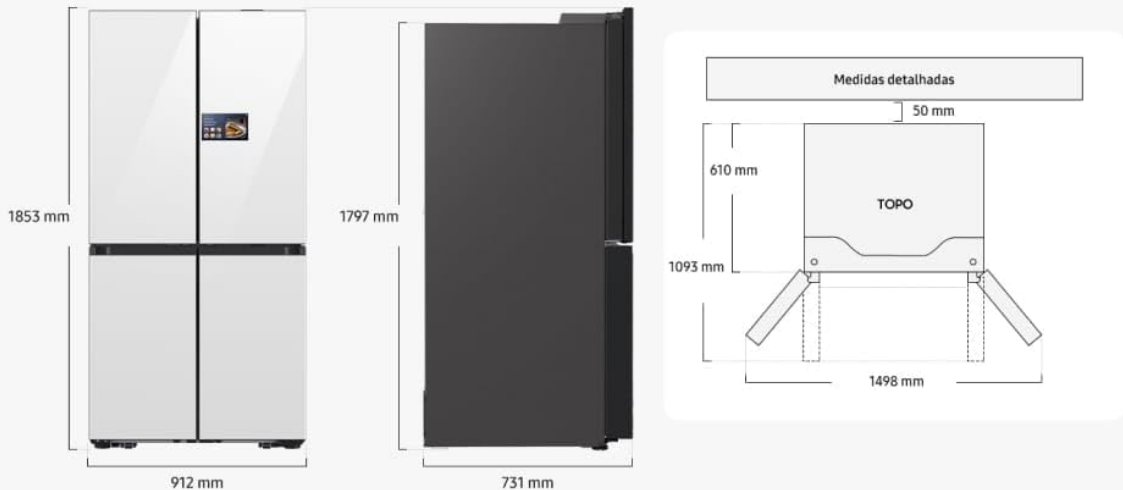


Figure 3.1: Refrigerator Dimensions. This diagram illustrates the overall dimensions of the refrigerator, including its height (1853 mm), width (912 mm), and depth (731 mm), along with internal measurements for installation planning.

3.2 Power Connection

Connect the refrigerator to a dedicated 127 Volt AC outlet. Do not use extension cords or adapters. Ensure the power cord is not pinched or damaged.

3.3 Water Connection

For the ice maker and water dispenser to function, connect the refrigerator to a cold water supply line. It is recommended to use a qualified plumber for this installation to prevent leaks.

3.4 Initial Cleaning

Before first use, clean the interior and exterior of the refrigerator with a soft cloth and mild detergent. Rinse and dry thoroughly.

4. OPERATING INSTRUCTIONS

4.1 Family Hub AI Home Display

The 9-inch AI Home display serves as a central control panel. Use it to manage recipes, track food inventory, access various applications, and control compatible smart home devices.

4.2 AI Vision Inside 2.0 Camera

The internal AI camera allows you to view the contents of your refrigerator remotely via the SmartThings Food app. It automatically identifies items, tracks expiration dates, suggests recipes based on available ingredients, and helps create shopping lists.

4.3 Multi-Pantry Drawer

This independently controlled drawer offers three preset temperature modes for optimal storage: **Fruits & Vegetables**, **Beverages**, or **Meats & Fish**. Select the appropriate mode for the items stored.

4.4 Dual Auto Ice Maker

The Dual Auto Ice Maker produces two types of ice: cube ice and Ice Bites. It has a daily production capacity of 1.8 kg and can store up to 2.9 kg of ice.



Figure 4.4: Dual Auto Ice Maker. This image shows the transparent ice bins of the Dual Auto Ice Maker, containing both standard cube ice and smaller Ice Bites, ready for use.

4.5 Auto-Fill Water Pitcher & Internal Dispenser

In addition to the internal water dispenser, the refrigerator features an auto-fill pitcher. You can infuse water with fruits or herbs for flavored beverages. The pitcher is dishwasher safe.



Figure 4.5: Water Dispenser and Auto-Fill Pitcher. This image displays the open left door of the refrigerator, revealing the internal water dispenser and the convenient auto-fill water pitcher, along with stored beverages.

4.6 Automatic Door Opening

Approach the sensor, and with a light touch, the door will open automatically and completely.

4.7 Temperature Control

Adjust the refrigerator and freezer temperatures using the controls on the Family Hub display or internal panel to suit your storage needs.

4.8 SpaceMax Technology

This technology allows for thinner walls, providing more internal storage capacity (543L total) without increasing the external dimensions or compromising energy efficiency.

4.9 Retractable Shelf

The two-stage retractable shelf can be partially folded back to create space for taller items like bottles and large containers.

4.10 Metal Cooling

The Metal Cooling plate on the rear wall helps maintain a consistent internal temperature and quickly recovers cold air after the door is opened, preserving food freshness.

5. MAINTENANCE

5.1 Easy-Change Water Filter

Replace the water filter regularly. The "twist and change" system makes replacement simple. Original Samsung filters use carbon filtration to remove over 99.9% of potential water contaminants.

5.2 UV Deodorizing Filter

This filter, made with natural fibers and activated carbon, removes unwanted odors and eliminates up to 99.9% of bacteria, helping to preserve the natural taste of food longer.

5.3 General Cleaning

Regularly clean the interior shelves, drawers, and door bins with a mild detergent and warm water. Wipe down the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.

6. TROUBLESHOOTING

If you experience issues with your refrigerator, consult the following general troubleshooting tips. For more detailed assistance, refer to the full service manual or contact Samsung support.

- **Refrigerator not cooling:** Check power connection, temperature settings, and ensure doors are fully closed.
- **Water dispenser not working:** Verify water supply is connected and the water filter is correctly installed.
- **Unusual noises:** Some operational noises are normal. If noises are excessive or unusual, ensure the refrigerator is level and not touching walls.
- **Ice maker not producing ice:** Check water supply, ensure ice maker is turned on, and clear any ice blockages.

7. SPECIFICATIONS

| Feature | Specification |
|---------------------------------|------------------------|
| Brand | Samsung |
| Model Information | RM90 |
| Certification | ANATEL: 107252102752 |
| Product Dimensions (WxDxH) | 91.2 x 73.1 x 185.3 cm |
| Weight | 150 kg |
| Energy Efficiency | A++ |
| Total Capacity | 543 Liters |
| Fresh Food Compartment Capacity | 359 Liters |
| Freezer Capacity | 184 Liters |
| Annual Energy Consumption | 61 Kilowatt-hours |
| Installation Type | Freestanding |
| Configuration | French Door |
| Color | Clean White |

| | |
|------------|-------------|
| Voltage | 127 Volts |
| Drawers | 2 |
| Shelves | 4 |
| Shelf Type | Retractable |

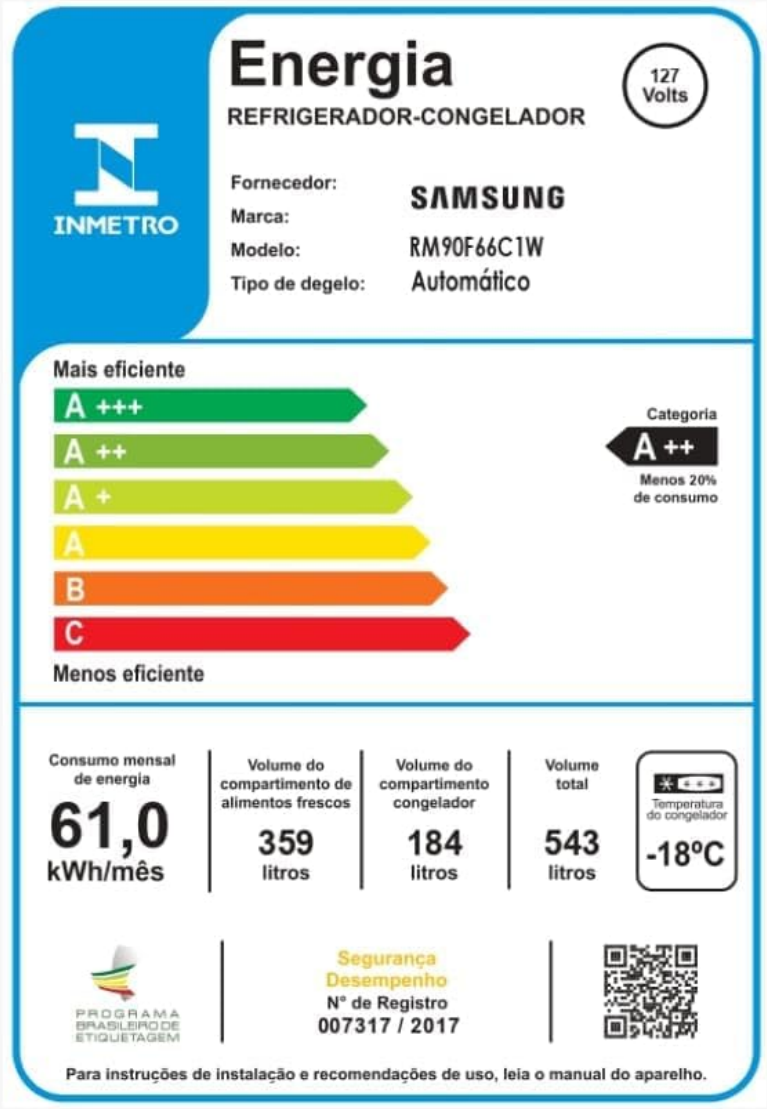


Figure 7.1: Energy Label. This label indicates the energy efficiency class (A++) and monthly energy consumption (61.0 kWh/month) for the Samsung Refrigerator-Freezer model RM90F66C1W. For more information, visit registro.inmetro.gov.br/consulta.

8. WARRANTY AND SUPPORT

Your Samsung refrigerator is covered by a manufacturer's warranty. For warranty details, service requests, or technical support, please refer to the warranty card included with your product or visit the official Samsung website. Always use authorized service centers for repairs to ensure product integrity and safety.

