



Manuals.plus /

› Samsung /

› Samsung EcoFlex AI RB38C603DSA/EF Refrigerator User Manual

Samsung RB38C603DSA

Samsung EcoFlex AI RB38C603DSA/EF Refrigerator User Manual

Model: RB38C603DSA/EF

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Samsung EcoFlex AI RB38C603DSA/EF combined refrigerator. Please read these instructions carefully before installation and operation, and keep them for future reference.

Air·Space EcoFlex® AI



Capacità Totale (netta)

390 L



AI Energy Mode

Riduci il consumo di energia fino al 15%¹ attivando la funzione AI Energy Mode²



SpaceMax™

Fino a 32 litri in più rispetto ad un Combinato tradizionale alto 2m



Optimal Fresh+

Utilizzalo come cassetto unico o dividilo in due zone con temperature diverse



Total No Frost



Disponibile per specifici modelli da maggio 2023 con aggiornamento Wi-Fi. Risultati basati sul confronto tra la temperatura da impostazioni di fabbrica con AI Energy Mode e senza e possono variare a seconda delle condizioni e delle modalità d'utilizzo. (1) Disponibile tramite app SmartThings su dispositivi Android e iOS; necessari connessione Wi-Fi e account Samsung. (2) Le bollette stimate sono generate dal dispositivo SmartThings e potrebbero differire dalle effettive. SmartThings mostrea "Maximum Mode" e "Custom Mode" per impostare AI Energy Mode. (3) vs un combinato tradizionale alto 2mt (RB37350TMSA).

Image 1.1: Overview of the Samsung EcoFlex AI RB38C603DSA/EF refrigerator, highlighting its dimensions (59.5 cm width, 203 cm height, 65.8 cm depth) and key features such as 390L capacity, AI Energy Mode, SpaceMax, Optimal Fresh+, Humidity Fresh+, and Total No Frost technology.

2. SETUP AND INSTALLATION

2.1 Unpacking and Placement

- Remove all packaging materials. Ensure no parts are missing or damaged.
- Place the refrigerator on a firm, level surface.
- Allow adequate space around the appliance for proper ventilation. The door opens 90 degrees without touching adjacent walls, facilitating placement.

2.2 Electrical Connection

- Connect the refrigerator to a grounded electrical outlet. The appliance uses a Type C/EF - 2 pin (EU/FR-DE hybrid) plug.
- Ensure the voltage matches the rating label on the appliance (220 Volts).

2.3 Initial Operation

- After plugging in, allow the refrigerator to stand for at least 2-3 hours before loading food to stabilize internal temperatures.
- The Digital Inverter Compressor will adjust its speed to reach the set temperature efficiently.

3. OPERATING INSTRUCTIONS

3.1 Temperature Control

The refrigerator features adjustable temperature control. Refer to the internal control panel for setting desired temperatures for both the refrigerator and freezer compartments.

3.2 AI Energy Mode (SmartThings App)

Activate the AI Energy Mode via the SmartThings app to monitor and reduce your refrigerator's energy consumption by up to 15%. This mode optimizes cooling performance based on usage patterns.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the AI Energy Mode feature, showing how to activate it through the SmartThings app to monitor and reduce energy consumption. It highlights the potential for up to 15% energy savings.



Image 3.2: A smartphone displaying the SmartThings app's AI Energy Mode interface, which allows users to monitor energy usage and activate energy-saving features for their connected refrigerator.

3.3 SpaceMax Technology

SpaceMax technology utilizes high-efficiency insulation to create thinner walls, providing more internal storage capacity (up to 32 liters more than traditional 2m combined refrigerators) without increasing external dimensions.



Image 3.3: The interior of the refrigerator showcasing the increased storage capacity provided by SpaceMax technology, allowing for more items to be stored within the same external footprint.

3.4 Total No Frost

The Total No Frost feature prevents ice buildup in both the refrigerator and freezer compartments, eliminating the need for manual defrosting and ensuring consistent cooling performance.

3.5 All Around Cooling

All Around Cooling ensures uniform cold air distribution throughout the entire refrigerator. Multiple vents on every shelf maintain a consistent temperature, keeping food fresher for longer.



Image 3.4: An illustration of the All Around Cooling system within the refrigerator, showing how cold air circulates evenly to every corner, ensuring consistent temperatures.

3.6 Optimal Fresh+ Drawer

The Optimal Fresh+ drawer offers flexible storage. It can be used as a single zone or divided into two zones with different temperatures, ideal for storing meat/fish on one side and fruits/vegetables on the other.



Image 3.5: The Optimal Fresh+ drawer, demonstrating its ability to be divided for separate storage of different food types, such as meat and produce, at optimized temperatures.

3.7 Humidity Fresh+ Drawer

The Humidity Fresh+ drawer allows you to adjust the humidity level by rotating a knob, creating an optimal environment for preserving fruits and vegetables.



Image 3.6: The Humidity Fresh+ drawer, illustrating its dedicated space for produce and the adjustable humidity control knob to maintain freshness.

4. MAINTENANCE

4.1 Cleaning

- Always unplug the refrigerator before cleaning.
- Clean the interior with a soft cloth and a mild detergent solution. Avoid abrasive cleaners.
- Wipe down exterior surfaces with a damp cloth. The Clean Back design facilitates easy cleaning of the rear.
- Regularly clean door seals to ensure a tight closure.

4.2 Digital Inverter Compressor

The Digital Inverter Compressor is designed for long-lasting, quiet, and energy-efficient operation. It comes with a 20-year warranty, reflecting its durability.



Image 4.1: A detailed view of the Digital Inverter Compressor, emphasizing its 20-year warranty, energy efficiency, and quiet operation.

5. TROUBLESHOOTING

If you experience issues with your refrigerator, please check the following common problems before contacting service:

- **Refrigerator not cooling:** Ensure the power cord is securely plugged in and the temperature settings are correct. Check if the door is fully closed.
- **Unusual noises:** Some operational noises are normal (e.g., compressor running, refrigerant flow). If the noise is excessive or unusual, ensure the refrigerator is level and not touching any walls.
- **Water leakage:** Check if the drain hole is blocked or if the water dispenser (if applicable) is properly installed.
- **Excessive heat on sides:** It is normal for the sides of the refrigerator to feel warm, especially during initial operation or when the compressor is working hard, as this is where heat is dissipated.

For further assistance, please refer to the warranty and support section.

6. SPECIFICATIONS

Feature	Specification
Brand	Samsung
Model Name	RB38C603DSA/EF

Feature	Specification
Product Dimensions (DxWxH)	59.5P x 65.8l x 203H cm
Capacity (Total)	390 Liters
Refrigerator Net Capacity	276 Liters
Freezer Net Capacity	114 Liters
Configuration	Bottom Freezer
Color	Silver
Special Feature	Water Dispenser (Note: Product description mentions dispenser, but specifications list 'No' for 'Dispenser di acqua' and 'Non compatibile con casa intelligente' for smart home compatibility. Please verify actual product features.)
Installation Type	Freestanding
Defrost System	No Frost
Voltage	220 Volts
Shelf Type	Glass
Number of Shelves	4
Adjustable Temperature Control	Yes
Annual Energy Consumption	211 kWh/year
Energy Efficiency Class	D
Noise Level	35 dB
Weight	71 kg (from feature bullets) / 140 kg (from specifications) - Please verify actual product weight.
Components Included	1 x Refrigerator

For detailed energy information, please refer to the official EU EPREL database: <https://eprel.ec.europa.eu/qr/1501901>



ENERG



SAMSUNG

RB38C603DSA



211 kWh/annum



114 L



276 L



A **B** C D

2019/2016

Image 6.1: The EU Energy Label for the Samsung RB38C603DSA refrigerator, indicating its energy efficiency class D, annual energy consumption, and capacities.

7. WARRANTY AND SUPPORT

7.1 Product Warranty

This Samsung refrigerator comes with a **2-year manufacturer's warranty**. The Digital Inverter Compressor is further covered by a **20-year warranty**.

7.2 Customer Support

For technical support, service requests, or warranty claims, please contact Samsung customer service. Refer to your purchase documentation or the official Samsung website for contact details specific to your region.