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› De'Longhi ECAM 23.420 SB Fully Automatic Coffee Machine User Manual

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Model: ECAM 23.420 SB

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your De'Longhi ECAM 23.420 SB Fully Automatic Coffee Machine. Please read all instructions carefully before using the appliance and retain this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons. This section outlines critical safety guidelines.

- Ensure the voltage indicated on the appliance corresponds to your main voltage before connecting.
- Do not immerse the appliance, power cord, or plug in water or other liquids.
- Keep the appliance out of reach of children.
- Unplug from the outlet when not in use and before cleaning.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner.
- Avoid contact with hot surfaces. Use handles or knobs.
- Use only original De'Longhi spare parts and accessories.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your De'Longhi ECAM 23.420 SB coffee machine.



Figure 1: Front view of the De'Longhi ECAM 23.420 SB Fully Automatic Coffee Machine. This image shows the compact design, control panel with buttons, coffee spouts, and drip tray.

Key Components:

- **Control Panel:** Features buttons for various functions and a display.
- **Coffee Spouts:** Adjustable height for different cup sizes.
- **Removable Water Tank:** Located on the side or back, capacity of 1.8 liters.
- **Bean Container:** For whole coffee beans.
- **Ground Coffee Funnel:** For pre-ground coffee.
- **Removable Drip Tray:** Collects excess liquid and coffee grounds.
- **Cappuccino System:** For frothing milk.
- **Cup Storage:** Heated surface on top for warming cups.

4. SETUP

Follow these steps for the initial setup of your coffee machine.

1. **Unpacking:** Carefully remove the machine from its packaging. Remove all protective films and packaging materials.
2. **Placement:** Place the machine on a stable, level surface, away from water splashes and heat sources. Ensure adequate space around the machine for ventilation.
3. **Water Tank:** Remove the water tank, rinse it, and fill it with fresh, clean water up to the MAX level. Reinsert the tank securely.
4. **Water Filter:** If included, install the water filter into the water tank as per the filter's instructions. This helps reduce limescale buildup.
5. **Power Connection:** Plug the power cord into a suitable electrical outlet.
6. **First Use Cycle:** The machine will guide you through a first use cycle to prime the circuits. Follow the instructions on the display. This typically involves dispensing hot water to rinse the internal components.

5. OPERATING INSTRUCTIONS

This section details how to prepare various coffee beverages using your fully automatic machine.

5.1 Making Espresso/Coffee from Whole Beans

1. Ensure the water tank is filled and the bean container has fresh coffee beans.
2. Place one or two cups under the coffee spouts.
3. Select your desired coffee strength using the aroma selector button.
4. Press the button for Espresso or Coffee. The machine will grind the beans, brew, and dispense the coffee.
5. The machine will automatically stop when the programmed quantity is reached.

5.2 Using Pre-Ground Coffee

1. Ensure the machine is on and ready.
2. Open the ground coffee funnel cover.
3. Add one level scoop of pre-ground coffee into the funnel. Do not add more than one scoop.
4. Place a cup under the coffee spout.
5. Press the pre-ground coffee button (if available) or select the appropriate option from the menu.

5.3 Preparing Cappuccino with the Automatic System

1. Fill the milk carafe with cold milk.
2. Connect the milk carafe to the machine's cappuccino system.
3. Place a cup under the coffee and milk spouts.
4. Press the Cappuccino button. The machine will automatically froth the milk and then dispense the coffee.
5. After dispensing, the machine may prompt for a cleaning cycle of the milk system.

6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance ensure optimal performance and longevity of your machine.

6.1 Daily Cleaning

- **Drip Tray:** Empty and rinse the removable drip tray daily.
- **Coffee Grounds Container:** Empty and rinse the coffee grounds container when prompted by the machine or at least daily.
- **Water Tank:** Rinse the water tank and refill with fresh water daily.
- **Coffee Spouts:** Wipe the coffee spouts with a damp cloth.

6.2 Weekly Cleaning

- **Brewing Unit:** Remove the brewing unit (refer to the machine's specific instructions for removal), rinse it under running water, and allow it to air dry before reinserting.
- **Milk Carafe/Cappuccino System:** Disassemble and thoroughly clean all parts of the milk carafe or cappuccino system with warm water and mild detergent.

6.3 Descaling

The machine will indicate when descaling is required. Use only De'Longhi descaling solution and follow the instructions provided

with the descaler and on the machine's display.

1. Empty the water tank and fill it with the descaling solution as instructed.
2. Place a large container under the coffee spouts and steam wand.
3. Initiate the descaling cycle as prompted by the machine.
4. Rinse the water tank and perform several rinsing cycles with fresh water after descaling.

6.4 Water Filter Replacement

Replace the water filter approximately every two months, or as indicated by the machine, to maintain water quality and reduce limescale.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your coffee machine.

Problem	Possible Cause	Solution
No coffee dispensed	Water tank empty; brewing unit blocked; machine needs descaling.	Fill water tank; clean brewing unit; perform descaling cycle.
Coffee is too weak	Insufficient coffee quantity; coarse grind setting; old coffee beans.	Increase coffee strength setting; adjust grinder to a finer setting; use fresh coffee beans.
Milk not frothing properly	Milk system dirty; milk too warm; wrong type of milk.	Clean the milk carafe/cappuccino system thoroughly; use cold, fresh milk; try different milk types (e.g., whole milk).
Machine leaks water	Water tank not inserted correctly; drip tray full; internal component issue.	Ensure water tank is seated properly; empty drip tray; contact customer support if problem persists.

8. SPECIFICATIONS

Technical details for the De'Longhi ECAM 23.420 SB Fully Automatic Coffee Machine.

Brand: De'Longhi

Model: ECAM 23.420 SB

Operation Mode: Fully Automatic

Pressure: 15 Bar

Power: 1450 Watts

Water Tank Capacity: 1.8 Liters

Color: Silver

Human Interface Input: Buttons

Features: Automatic Cappuccino System, Removable Water Tank, Removable Drip Tray, Automatic Shut-off, Aroma Selector, Thermoblock, Cup Storage, Water Filter.

ASIN: B07NQKM8D2

9. WARRANTY AND SUPPORT

Your De'Longhi ECAM 23.420 SB coffee machine comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official De'Longhi website. For technical support, service, or to order spare parts, please contact De'Longhi customer service in your region. Contact information can typically be found on the De'Longhi website or in the product packaging.

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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