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› DeLonghi ECAM 290.42 TB Magnifica Evo User Manual

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AUTOMATIC ESPRESSO AND COFFEE MACHINE

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your DeLonghi ECAM 290.42 TB Magnifica Evo automatic espresso and coffee machine. Please read all instructions carefully before using the appliance.



Figure 1: The DeLonghi ECAM 290.42 TB Magnifica Evo coffee machine, showcasing its sleek design and two freshly brewed espresso shots.

2. Important Safety Instructions

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

injury to persons, including the following:

- Read all instructions.
- Do not touch hot surfaces. Use handles or knobs.
- To protect against fire, electric shock, and personal injury, do not immerse cord, plugs, or appliance in water or other liquid.
- Close supervision is necessary when any appliance is used by or near children.
- Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts, and before cleaning the appliance.
- Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or adjustment.
- The use of accessory attachments not recommended by the appliance manufacturer may result in fire, electric shock, or personal injury.
- Do not use outdoors.
- Do not let cord hang over edge of table or counter, or touch hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated oven.
- Always attach plug to appliance first, then plug cord into the wall outlet. To disconnect, turn any control to "off", then remove plug from wall outlet.
- Do not use appliance for other than intended use.

3. Product Overview and Components

Familiarize yourself with the main parts of your Magnifica Evo coffee machine.

1. Bean Hopper Lid
2. Bean Hopper
3. Ground Coffee Funnel (for pre-ground coffee)
4. Water Tank
5. Control Panel
6. Coffee Spouts (adjustable height)
7. Drip Tray with Removable Grid
8. Coffee Grounds Container
9. Steam Wand / Hot Water Spout
10. Main Power Switch



Figure 2: A detailed view of the intuitive control panel, showing various beverage selection buttons and settings.

4. Setup and First Use

Follow these steps to prepare your coffee machine for its first use.

1. **Unpacking:** Remove all packaging materials from the machine. Ensure all components are present.
2. **Positioning:** Place the machine on a stable, level surface away from water splashes and heat sources.
3. **Water Tank:** Remove the water tank, rinse it, and fill it with fresh tap water up to the MAX level. Insert it back into the machine.
4. **Bean Hopper:** Open the bean hopper lid and fill it with fresh coffee beans. Do not use ground coffee in the bean hopper.
5. **Power Connection:** Plug the power cord into the machine and then into a suitable wall outlet. Turn on the main power switch located at the back of the machine.
6. **Initial Rinse Cycle:** The machine will perform an automatic rinse cycle. Follow the on-screen prompts or indicator

lights. Place a container under the coffee spouts to collect the water.

7. **Water Hardness Test (Optional but Recommended):** Use the provided test strip to measure your water hardness and set the machine accordingly for optimal descaling reminders.

5. Operating the Coffee Machine

Your Magnifica Evo offers a variety of coffee beverages and customization options.

5.1 Control Panel Overview

The control panel features touch buttons for various functions:

- **On/Off Button:** Powers the machine on or off.
- **Espresso Button:** Brews a single espresso.
- **Coffee Button:** Brews a standard coffee.
- **Long Button:** Brews a longer coffee.
- **Doppio+ Button:** Brews a double espresso with extra aroma.
- **Americano Button:** Brews an Americano (espresso with hot water).
- **Steam Button:** Activates the steam function for frothing milk.
- **2x Button:** Brews two cups simultaneously for selected beverages.
- **Settings Button:** Accesses machine settings (e.g., water hardness, temperature).

5.2 Brewing Coffee

1. Ensure the water tank is filled and the bean hopper contains coffee beans.
2. Place one or two cups under the coffee spouts. Adjust the height of the spouts to fit your cup size.
3. Select your desired beverage (e.g., Espresso, Coffee, Long). For two cups, press the "2x" button before selecting the beverage.
4. The machine will grind the beans and brew the coffee.

5.3 Using Pre-Ground Coffee

If you wish to use pre-ground coffee (e.g., decaffeinated), follow these steps:

1. Press the pre-ground coffee button (usually indicated by a spoon icon).
2. Open the ground coffee funnel lid and add one level scoop of pre-ground coffee. Do not add more than one scoop.
3. Place a cup under the coffee spouts and select your desired beverage.

5.4 Frothing Milk with the Steam Wand

The steam wand allows you to froth milk for cappuccinos and lattes.



Figure 3: Demonstrating the use of the steam wand to froth milk for various coffee beverages.

1. Fill a milk frothing pitcher with cold milk (dairy or non-dairy).
2. Press the "Steam" button on the control panel. Wait for the machine to reach the correct temperature (indicator light will stop flashing).
3. Immerse the steam wand tip just below the surface of the milk.
4. Turn the steam knob (if present) or press the steam button again to release steam. Move the pitcher up and down to create foam.
5. Once desired foam is achieved, turn off the steam.
6. **Important:** Immediately clean the steam wand with a damp cloth after use to prevent milk residue from drying. Purge a small amount of steam to clear any internal blockages.

6. Maintenance and Cleaning

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

6.1 Daily Cleaning

- **Drip Tray and Coffee Grounds Container:** Empty and rinse daily. The machine will prompt you when the grounds container is full.
- **Water Tank:** Rinse daily and refill with fresh water.
- **Coffee Spouts:** Wipe with a damp cloth.

6.2 Cleaning the Brew Unit

The brew unit should be rinsed regularly (e.g., weekly) under running water.

1. Turn off the machine and unplug it.
2. Open the service door (usually on the right side of the machine).
3. Press the two red release buttons and pull the brew unit out.
4. Rinse the brew unit thoroughly under tap water. Do not use detergents.
5. Allow it to air dry completely before reinserting.

6.3 Descaling

The machine will indicate when descaling is required. Use only DeLonghi descaling solution.

1. Empty the drip tray and coffee grounds container.
2. Remove the water filter (if installed).
3. Pour the descaling solution into the water tank, diluted as per the descaler instructions, and fill with water up to the indicated level.
4. Place a large container (at least 1.5 liters) under the coffee spouts and steam wand.
5. Follow the on-screen instructions or indicator light sequence to start and complete the descaling cycle. This typically involves several rinse cycles.
6. After descaling, rinse the water tank thoroughly and refill with fresh water. Perform several rinse cycles with fresh water to remove any descaler residue.

6.4 Water Filter Replacement

Replace the water filter approximately every 2 months, or as indicated by the machine.

1. Remove the old filter from the water tank.
2. Immerse the new filter in water until no air bubbles are released.
3. Insert the new filter into its housing in the water tank.
4. Follow the machine's instructions to confirm the filter replacement.

7. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
No coffee is dispensed.	Water tank empty; coffee beans empty; brew unit blocked.	Fill water tank; fill bean hopper; clean brew unit.
Coffee is too weak.	Grind setting too coarse; insufficient coffee dose.	Adjust grind setting finer; increase coffee strength setting.
Machine leaks water.	Water tank not inserted correctly; drip tray full; internal blockage.	Ensure water tank is seated properly; empty drip tray; contact support if persistent.
"Descaling" light remains on after descaling.	Descaling cycle not completed correctly; machine not rinsed properly.	Repeat the descaling process, ensuring all steps are followed, especially the final rinse cycles.
Milk not frothing properly.	Steam wand blocked; milk not cold enough; incorrect milk type.	Clean steam wand thoroughly; use cold milk; try different milk types.

8. Specifications

Technical details for the DeLonghi ECAM 290.42 TB Magnifica Evo.

- Brand:** De'Longhi
- Model Number:** ECAM290.42TB
- Color:** Silver
- Dimensions (L x W x H):** 44 x 24 x 36 cm
- Weight:** 9.4 Kilograms
- Water Tank Capacity:** 1.8 Litres
- Power:** 92 Watts
- Voltage:** 240 Volts
- Material:** Plastic
- Special Feature:** Water Filter
- Coffee Type:** Espresso Machine

9. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official De'Longhi website. Keep your proof of purchase for any warranty claims.

For further assistance, you may contact De'Longhi customer service directly. Contact details can typically be found on the manufacturer's website or in the product packaging.