Avalla AVX-150

Avalla X-150 Smart Dehumidifier User Manual

Model: AVX-150

1. Introduction

Thank you for choosing the Avalla X-150 Smart Dehumidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new appliance. Please read this manual thoroughly before use and keep it for future reference.





Figure 1: Avalla X-150 Smart Dehumidifier. This image shows the sleek, white design of the dehumidifier with its control panel at the top and wheels at the base for easy mobility.

2. Safety Instructions

To prevent injury to the user or others and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- Always place the unit on a flat, stable surface to prevent tipping.
- Ensure proper ventilation around the unit. Do not block air inlets or outlets.
- Do not operate the unit near water or in excessively damp environments where water might splash onto it.
- Unplug the dehumidifier from the power outlet before cleaning, moving, or performing any maintenance.
- Do not insert fingers or foreign objects into the air inlets or outlets.
- Keep children and pets away from the unit during operation.
- Use only the specified power supply (230V AC).
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified

persons to avoid a hazard.

3. Product Features and Components

The Avalla X-150 is designed for efficient moisture removal and air quality improvement in your home or office. It features advanced Aero-Dynamic™ technology for quiet and effective operation.



Figure 2: Control Panel Overview. This image highlights the digital display, touch controls, and various modes including Dehumidifier, Laundry, Fan, and Sleep modes, along with timer and child lock functions.

Key Components:

- **Control Panel:** Digital display for humidity level, timer, and mode indicators.
- **Air Inlet/Outlet:** For drawing in and expelling air.
- **Water Tank:** Removable 3.5-liter tank for collected water.
- **Continuous Drainage Outlet:** For connecting a hose for continuous water drainage.

- **Casters:** Wheels at the base for easy movement.



Figure 3: Aero-Dynamic™ Technology. This diagram illustrates how air is accelerated through condensers to rapidly extract moisture, with color LEDs indicating air quality.

4. Setup

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging for future storage or transport.
2. **Placement:**
    - Place the unit on a firm, level surface.
    - Ensure there is at least 20 cm (8 inches) of space around the unit for proper airflow. Avoid placing it directly against walls or furniture.
    - Do not place the unit in direct sunlight or near heat sources.



Figure 4: Optimal Placement for Whole House Dehumidification. This image shows the dehumidifier centrally located within a house floor plan, illustrating its ability to cover up to 46 m² effectively.

3. **Water Tank Installation:** The 3.5L water tank is typically pre-installed. Ensure it is securely in place before operation.
4. **Continuous Drainage (Optional):**
    - Locate the continuous drainage outlet on the back of the unit.
    - Connect a suitable hose (not included) to this outlet.
    - Direct the other end of the hose to a floor drain or a larger container, ensuring the hose is sloped downwards for gravity drainage.



Figure 5: Water Tank and Continuous Drainage. This image displays the removable 3.5-liter water tank and the connection point for a continuous drainage hose, allowing for uninterrupted operation.

5. **Power Connection:** Plug the power cord into a grounded 230V AC electrical outlet.

5. Operating Instructions

The Avalla X-150 offers multiple operating modes for various needs.

1. **Power On/Off:** Press the Power button on the control panel to turn the unit on or off.
2. **Setting Desired Humidity Level:**
    - In Dehumidify mode, use the Up/Down arrows to set your desired humidity percentage (e.g., 50% for optimal comfort).
    - The unit will operate until the set humidity level is reached, then cycle on/off to maintain it.
3. **Mode Selection:** Press the Mode button to cycle through the available modes:
    - **Dehumidify Mode:** Standard operation to remove moisture from the air.

- **Laundry Mode:** Uses high fan speed to accelerate the drying of clothes indoors. This mode helps prevent musty smells and dampness in clothes.



Figure 6: Laundry Drying Made Easy. The dehumidifier is shown next to a clothes drying rack, demonstrating its effectiveness in drying laundry indoors without creating excessive moisture.

- **Fan Mode:** Circulates air without dehumidifying. You can select between 2 fan speeds.
- **Sleep Mode:** Operates at a quiet 45 dB, turning off display lights for undisturbed sleep.

4. **Timer Function:** Use the Timer button to set a delay start or countdown timer (up to 24 hours) for automatic operation.
5. **Child/Pet Lock:** Activate this function to disable the touch controls, preventing accidental changes to settings.
6. **Air Quality Indicator:** The color LED on the unit provides a visual guide to current air quality (e.g., blue for good, green for moderate, red for poor, specific colors may vary).

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your dehumidifier.

1. **Emptying the Water Tank:**

- When the water tank is full, the unit will automatically stop operating and an indicator light will illuminate.
- Carefully pull out the water tank from the unit.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

2. **Cleaning the Unit:**
    - Always unplug the unit before cleaning.
    - Wipe the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
    - Gently clean the air inlet and outlet grilles with a soft brush or vacuum cleaner attachment to remove dust.
3. **Filter Cleaning (Recommended Monthly):**
    - Locate the air filter (usually behind the air inlet grille).
    - Remove the filter and clean it with a vacuum cleaner or wash it gently with warm, soapy water.
    - Ensure the filter is completely dry before reinserting it.
4. **Storage:** If storing the unit for an extended period, ensure the water tank is empty and clean. Store in a cool, dry place, preferably in its original packaging.

7. Troubleshooting

Before contacting customer support, please refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Power cord not plugged in; Power outlet faulty.	Check power connection; Try a different outlet; Check circuit breaker.
Unit is running but not collecting water.	Room humidity is too low; Temperature is too low; Air filter is clogged; Water tank not properly inserted.	Increase target humidity; Ensure room temperature is above 16°C; Clean air filter; Reinsert water tank correctly.
Water tank full indicator is on, but tank is not full.	Water tank sensor malfunction; Tank not seated correctly.	Remove and reinsert water tank; If problem persists, contact support.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Fan obstruction.	Place on a level surface; Clean air filter; Check for obstructions in fan area.

8. Specifications

Feature	Specification
Model Number	AVX-150
Brand	Avalla
Dehumidification Capacity	16 Liters/day (at 30°C / 80% RH)
Water Tank Capacity	3.5 Liters
Coverage Area	Up to 46 m²

Feature	Specification
Airflow Volume	190 m^3/h
Power Consumption	240 Watts (0.24 kW/h)
Voltage	230 Volt (AC)
Noise Level	45 dB
Fan Speeds	2
Refrigerant	R290 (CFC-free)
Product Dimensions (L x W x H)	26 x 26 x 61 cm
Weight	11.9 kg

9. Warranty and Support

Avalla is committed to providing high-quality products and excellent customer service.

- **2-Year Warranty:** Your Avalla X-150 Dehumidifier comes with a 2-year warranty from the date of purchase, covering manufacturing defects.
- **Lifetime Product Support:** Avalla offers lifetime product support for your dehumidifier. Should you encounter any issues or have questions, please do not hesitate to contact our customer support team.
- **Contact Information:** For warranty claims, technical assistance, or general inquiries, please refer to the contact details provided on the Avalla website or your purchase documentation.

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