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> [ALDES EHB2 6-44 m3/h Hygro-Adjustable Air Inlet User Manual](#)

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Model: EHB2 6-44 m3/h (Reference: 11014233)

1. INTRODUCTION

The ALDES EHB2 6-44 m3/h is a hygro-adjustable air inlet designed for controlled mechanical ventilation systems. This device automatically regulates the airflow based on the ambient humidity levels, ensuring optimal air quality and energy efficiency within the living space. It is suitable for installation in various residential and commercial environments requiring precise ventilation control.

2. PRODUCT OVERVIEW

The ALDES EHB2 air inlet features a robust design and advanced hygro-adjustable technology. Key characteristics include:

- **Hygro-Adjustable Airflow:** Automatically adjusts airflow between 6 and 44 cubic meters per hour (m3/h) based on humidity.
- **Acoustic Insulation:** Provides an acoustic isolation of 37 dB, contributing to a quieter indoor environment.
- **Dimensions:** Compact design measuring 45mm (height) x 406mm (width) x 31mm (depth).
- **Color:** White finish for discreet integration.
- **Installation:** Designed for easy installation on a double slot mortise.



Figure 1: ALDES EHB2 Hygro-Adjustable Air Inlet. This image shows the front view of the white air inlet unit, highlighting its compact and discreet design.

3. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the ALDES EHB2 air inlet. Failure to follow these instructions may result in property damage or personal injury.

- Always disconnect power to the ventilation system before performing any installation or maintenance.
- Ensure that installation is performed by a qualified professional if you are unsure about any steps.
- Do not obstruct the air inlet or outlet openings, as this can impair performance and potentially damage the unit.
- Keep the unit away from water and excessive moisture.
- Use only original ALDES replacement parts if any components need to be replaced.

4. INSTALLATION AND SETUP

The ALDES EHB2 air inlet is designed for straightforward installation. Follow these steps for proper setup:

1. **Prepare the Opening:** Create a double slot mortise opening in the wall or window frame. The

recommended dimensions for this opening are 2 x (172 x 12) mm. Ensure the surface is clean and free of debris.

2. **Position the Standard Base:** Carefully place the standard base of the air inlet into the prepared mortise. Ensure it is level and securely seated.
3. **Secure the Unit:** Attach the main air inlet unit to the standard base. Use appropriate fasteners (not included, refer to local building codes) to secure the unit firmly in place.
4. **Seal the Installation:** Apply a suitable sealant around the edges of the air inlet to prevent air leaks and ensure optimal acoustic performance.
5. **Final Check:** Verify that the air inlet is securely mounted, not obstructed, and that the hygro-adjustable mechanism can move freely.

5. OPERATING INSTRUCTIONS

The ALDES EHB2 air inlet operates automatically based on the humidity levels in the room. No manual intervention is typically required for its primary function.

- **Automatic Regulation:** The integrated hygro-adjustable sensor detects changes in ambient humidity.
- **Airflow Adjustment:** As humidity increases (e.g., during showering or cooking), the air inlet automatically opens to allow a higher airflow (up to 44 m³/h) to evacuate moist air.
- **Reduced Airflow:** When humidity levels decrease, the air inlet gradually closes, reducing airflow (down to 6 m³/h) to conserve energy while maintaining adequate ventilation.
- **Continuous Operation:** The unit is designed for continuous, passive operation as part of a balanced ventilation system.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ALDES EHB2 air inlet.

- **Cleaning the Exterior:** Periodically wipe the exterior surface of the air inlet with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Checking for Obstructions:** Ensure that the air inlet and its internal mechanism are free from dust, lint, or other obstructions. Gently remove any blockages using a soft brush or vacuum cleaner.
- **Hygro-Adjustable Mechanism:** Avoid applying paint or other coatings to the hygro-adjustable sensor, as this can impair its function.
- **Annual Inspection:** It is recommended to have the entire ventilation system, including air inlets, inspected by a professional annually.

7. TROUBLESHOOTING

If you encounter issues with your ALDES EHB2 air inlet, refer to the following troubleshooting guide:

- **Reduced Airflow:**
 - Check for any visible obstructions in or around the air inlet.
 - Ensure the unit is clean and free of dust accumulation.
 - Verify that the hygro-adjustable mechanism is not stuck or painted over.
- **Unusual Noise:**
 - Ensure the air inlet is securely mounted and all fasteners are tight.

- Check for any loose components or debris inside the unit.
- **No Airflow Regulation:**
 - Confirm that the humidity sensor is not damaged or covered.
 - If the issue persists, contact ALDES customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	Aldes
Model Reference	11014233
Product Type	Hygro-Adjustable Air Inlet
Airflow Range	6 - 44 m3/h
Acoustic Insulation	37 dB
Dimensions (H x W x D)	45 x 406 x 31 mm
Weight	1 Kilogram
Color	White
ASIN	B07L5QCWNK

9. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your ALDES EHB2 air inlet, please refer to the documentation provided at the time of purchase or visit the official ALDES website.

If you require technical assistance, have questions about installation, or need to report a defect, please contact ALDES customer support directly. Contact details can typically be found on the manufacturer's website or in your product packaging.