

AERAULIQA 005797

AERAULIQA ORION Decentralized Mechanical Ventilation Unit User Manual

Model: 005797

INTRODUCTION

The AERAULIQA ORION unit, replacing the previous Quantum Next model, is a state-of-the-art decentralized mechanical ventilation system (VMC) engineered to deliver superior indoor comfort and exceptional energy efficiency. It is an ideal solution for both residential and commercial environments, ensuring continuous air exchange, effective humidity and odor removal, and the creation of a healthy indoor climate. Featuring a compact and functional design, the ORION unit is designed for easy installation and incorporates advanced technologies for quiet operation and optimal performance.

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- Ensure the power supply is disconnected before performing any installation, maintenance, or troubleshooting.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the unit with damaged cords or plugs.
- Keep hands and objects away from moving parts during operation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

SETUP AND INSTALLATION

The AERAULIQA ORION unit is designed for straightforward installation, primarily as a wall-mounted system. Follow these guidelines for proper setup:

- **Mounting:** The unit is designed for wall mounting. Ensure the mounting surface is stable and can support the unit's weight.
- **Electrical Connection:** The electrical connection is simplified, requiring only Live (L) and Neutral (N)

connections. Always ensure power is off before connecting.

- **Condensation Drainage:** This unit does not require condensation drainage, simplifying installation.
- **Multi-Unit Synchronization:** For installations with multiple ORION units (up to 10), synchronization is simplified and establishes automatically when units are connected.



Figure 1: AERAULIQA ORION unit with its internal component partially extended, illustrating the design for easy maintenance.

OPERATING INSTRUCTIONS

The AERAULIQA ORION unit is controlled via a multifunction remote control, offering comprehensive control over its ventilation functions. The unit features 5 speed settings for precise air flow management.

Remote Control Functions:

- **Air Flow Direction:** Control the direction of air flow, including:
 - *Alternative Flow:* Standard operation for balanced ventilation.
 - *Single Extraction:* For removing air from the room.
 - *Single Input:* For bringing fresh air into the room.
- **Free-Cooling:** Activates a mode for cooling the indoor environment using cooler outside air.
- **ON-OFF:** Powers the unit on or off.
- **Speed Control:** Adjusts the fan speed across 5 available settings.
- **Mode Selection:** Choose between "Comfort" mode for optimal indoor climate or "Efficiency" mode for energy saving.
- **Boost Speed:** Temporarily increases the fan speed to maximum for rapid air exchange.
- **Filter Reset:** Resets the filter indicator after filter maintenance.

The unit also features an automatic anti-freeze protection system to prevent ice formation on the heat exchanger, ensuring continuous operation even in colder conditions.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AERAULIQA ORION unit. The unit is designed for extremely simplified maintenance.

- **Internal Aeration Unit Removal:** The internal aeration unit can be easily removed thanks to a magnetic hooking/release system. This allows for convenient access for cleaning and inspection.
- **Filter Maintenance:** The remote control includes a "Filter Reset" function, indicating the presence of a filter that requires periodic cleaning or replacement. Refer to the filter manufacturer's instructions for specific cleaning procedures.
- **General Cleaning:** Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Always disconnect power to the unit before performing any maintenance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your AERAULIQA ORION unit. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; loose electrical connection.	Check power outlet and circuit breaker. Ensure electrical connections are secure.
Remote control not working.	Dead batteries; remote not paired; faulty remote.	Replace remote control batteries. Refer to pairing instructions (if applicable). If issue persists, the remote control may be faulty and require replacement.
Reduced airflow or efficiency.	Clogged filter; obstruction in air ducts.	Clean or replace the filter. Check for and remove any obstructions in the air intake or exhaust.
Ice formation on exchanger.	Extreme cold conditions.	The unit has automatic anti-freeze protection. If ice persists, ensure proper installation and ventilation.

SPECIFICATIONS

Feature	Detail
Brand	AERAULIQA
Model Number	005797
Color	White
Material	Metal
Number of Speeds	5
Special Features	Silent operation, Water resistant (IPX4), Dust resistant, Remote control, Waterproof
Power Source	Corded Electric
Product Dimensions	57D x 15.9W x 21.8H centimeters
Recommended Uses	Air circulation, Ventilation
Mounting Type	Wall Mount
Controller Type	Remote Control
IP Rating	IPX4
Motor Type	Newer EC brushless motor (more silent and efficient than previous model)

