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› [ELICENT | Rec Duo 150 Plus RC, ø150 mm, Decentralized VMC Ventilation Unit with Heat Recovery, Timer and Adjustable Humidistat, Remote Control Included, Made in Italy](#)

elicient RecDuo

ELICENT Rec Duo 150 Plus RC

DECENTRALIZED VMC VENTILATION UNIT USER MANUAL

This manual provides essential information for the installation, operation, and maintenance of your ELICENT Rec Duo 150 Plus RC decentralized VMC unit.

Product Overview

The ELICENT Rec Duo 150 Plus RC is a decentralized Mechanical Ventilation with Heat Recovery (VMC) unit, designed to provide efficient air exchange and heat recovery in residential and commercial spaces. It features an adjustable timer, a humidistat for intelligent humidity control, and includes a remote control for convenient operation. This unit can also function as a bathroom extractor.

Key features include a 24-hour automatic mode, heat recovery at adjustable speeds, and G3 class polypropylene filters for optimal air cleanliness. Its innovative design incorporates a high-output ceramic heat exchanger, ensuring excellent thermo-acoustic insulation and preventing condensation issues.



Image: The ELICENT Rec Duo 150 Plus RC ventilation unit shown alongside its remote control. The unit is white with a square front panel and a cylindrical body, designed for through-wall installation. The remote control is also white with various function buttons.

- Rendimento termico 90%
- Foro muro Ø 150 mm
- Previene muffa e condensa
- Rilevazione automatica umidità
- Installazione singola o a coppia
- Silenziosità e basso consumo

Image: A diagram highlighting the key features of the ELICENT Rec Duo 150 Plus RC. Icons and text indicate 90% thermal efficiency, 150mm wall hole diameter, prevention of mold and condensation, automatic humidity detection, single or paired installation, and quiet operation with low power consumption.

Setup and Installation

The ELICENT Rec Duo 150 Plus RC unit is versatile and can be installed in various environments, including bedrooms and living rooms. It can be installed individually or in pairs, either within the same room or in two separate spaces to optimize ventilation.

- **Wall Thickness:** The unit is designed for direct ejection on walls with a thickness ranging from 340 mm to 500 mm. It can be adapted to different thicknesses using adjustable dimensions (from 250 mm to 1000 mm).
- **Hole Diameter:** A wall hole with a diameter of 150 mm is required for installation.
- **Ease of Installation:** Installation is quick thanks to features like the magnetic hook/release mechanism for the fan unit and an external grille with an anti-insect mesh that can be installed from the inside. The telescopic tube further simplifies the process.



Dimensioni (in mm)

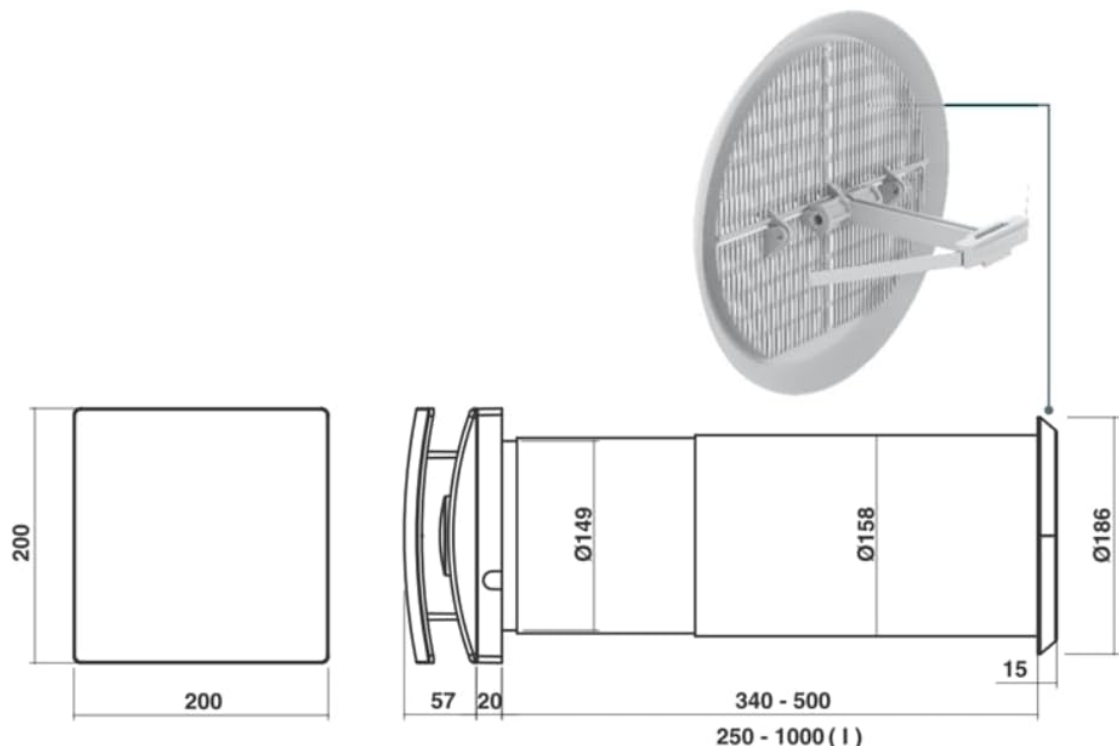


Image: A technical diagram showing the dimensions of the ELICENT Rec Duo 150 Plus RC unit in millimeters. It illustrates the square front panel (200x200mm) and the cylindrical body with various diameters (Ø149mm, Ø158mm, Ø186mm) and lengths (340-500mm, 250-1000mm for the telescopic tube).

Installazione

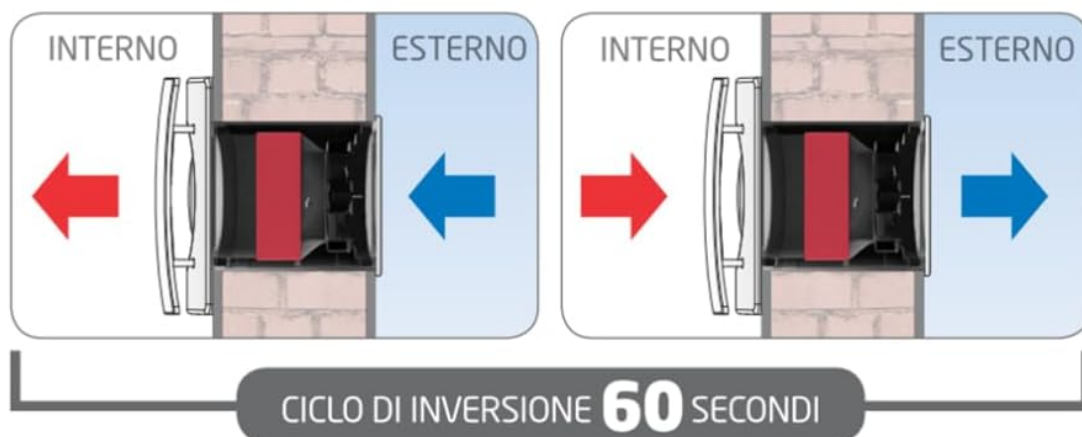


Image: A diagram illustrating the air flow cycle of the ELICENT Rec Duo 150 Plus RC. It shows two phases: one where air is extracted from the interior to the exterior (red arrow) and another where fresh air is drawn from the exterior to the interior (blue arrow). The diagram indicates a 60-second inversion cycle for heat recovery.



Image: The ELICENT Rec Duo 150 Plus RC unit discreetly installed high on a white wall in a modern living room setting, demonstrating its compact and flush design.

Operating Instructions

The ELICENT Rec Duo 150 Plus RC features intelligent control for optimal air quality and energy efficiency.

- **Smart Control:** The unit operates in a 24-hour automatic mode with heat recovery (push-pull) at one of two adjustable fixed speeds.
- **Timer Function:** In single extraction mode, a timer function is available for controlled operation.
- **Intelligent Humidity Control:** The unit is equipped with a humidistat. When the detected humidity exceeds a set threshold, the unit gradually increases the push-pull operation speed proportionally to the humidity level. If high humidity persists, it transitions to forced expulsion mode until the humidity is dispersed.
- **Remote Control:** All functions can be conveniently managed using the included remote control. Refer to the remote control diagram for button functions.
- **Free-Cooling Function:** The unit also includes a free-cooling function for enhanced comfort during suitable conditions.

Maintenance

Regular maintenance of your ELICENT Rec Duo 150 Plus RC unit ensures optimal performance and air quality.

- **Filter Cleaning/Replacement:** The unit uses Class G3 polypropylene filters for air filtering during both input and extraction. These filters are positioned before the heat exchanger to ensure optimal air cleanliness.
- The filters are designed to be easily removable, allowing for quick replacement or washing when needed. It is recommended to inspect and clean the filters periodically based on usage and environmental conditions.
- **General Cleaning:** Periodically clean the exterior surfaces of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Troubleshooting

This section provides guidance for common issues you might encounter with your ELICENT Rec Duo 150 Plus RC unit.

- **Unit Not Responding:**
 - Check if the unit is properly connected to the power supply.
 - Ensure the remote control batteries are not depleted.
- **Reduced Airflow:**
 - Inspect the G3 polypropylene filters. They may be clogged and require cleaning or replacement.
 - Check for any obstructions in the air intake or exhaust vents.
- **Unusual Noise:**
 - Ensure the unit is securely mounted and there are no loose parts.
 - Check if the fan unit or heat exchanger has any debris.
- **Humidity Control Not Working:**
 - Verify that the humidistat settings are correctly configured.
 - Ensure there are no external factors significantly impacting humidity readings near the unit.

If issues persist after attempting these solutions, please contact customer support.

Specifications

Attribute	Value
Brand	elicient
Model	RecDuo
Part Number	2RC1502
Product Dimensions	20 x 20 x 43.2 cm
Item Weight	4.2 kg

Attribute	Value
Wattage	2.2 watts (minimum)
Energy Class	A
Thermal Efficiency	Up to 90%
Wall Hole Diameter	150 mm
Manufacturer	Maico Italia
ASIN	B0D35Z3MYG



CODICE	MODELLO	FORO MURO ø mm	SPESSORE MURO min-max (mm)	PORTATA min/max/ solo estrazione m3/h	W min/max/ solo estrazione	DATI SONORI dB (A)*
2RC1502	REC Duo 150 PLUS RC	158	340-500	30/60/70	1,6/5,7/6,2	17/30/31

*Lp(A) misurati a 3 m in campo libero 230V-50Hz.

Image: A table displaying technical specifications for the ELICENT Rec Duo 150 Plus RC (model 2RC1502). It includes details such as required wall hole diameter (ø 150 mm), wall thickness range (340-500 mm), minimum/maximum airflow (30/60/70 m³/h), minimum/maximum wattage (1.6/5.7/6.2 W), and sound data (17/30/31 dB(A)).

Warranty and Support







For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official ELICENT website. Ensure you have your product model number (RecDuo) and part number (2RC1502) available when contacting support.

Manufacturer: Maico Italia

Date First Available: 4 June 2024

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This manual is for informational purposes only. Specifications are subject to change without notice.

	<p>Elicent REC Duo 150: High-Efficiency Decentralized Heat Recovery Ventilation Unit</p> <p>Discover the Elicent REC Duo 150, a high-efficiency decentralized heat recovery unit (HRU) offering double flow with up to 90% thermal efficiency. Ideal for residential ventilation, it ensures constant thermal comfort, combats humidity, and features easy installation, wireless control, and multiple operating modes. Learn about its features, performance, and installation.</p>
	<p>Elicent REC Duo 150: Decentralized Heat Recovery Unit for Homes</p> <p>Discover the Elicent REC Duo 150, a high-efficiency decentralized heat recovery unit designed for residential use. Learn about its features, operation, installation, and performance for optimal indoor air quality and thermal comfort.</p>
	<p>Elicent REC Duo 100 Series: Decentralized Heat Recovery Units - Technical Data</p> <p>Comprehensive technical information on the Elicent REC Duo 100, REC Duo 100 MHY, and REC Duo 100 PLUS RC decentralized heat recovery units. This document details features, operational modes, performance specifications, and installation dimensions for residential ventilation applications.</p>
	<p>REC SanAir Wall: Single Room Ventilation System with Heat Recovery - Installation & Safety Guide</p> <p>Comprehensive installation and safety manual for the REC SanAir Wall, a single-room mechanical ventilation system with heat recovery and air filtering. Includes detailed instructions, safety precautions, and disposal information from Maico Italia S.r.l.</p>
	<p>Elicent ECO LINE Wall Axial Fans: Installation, Performance, and Specifications</p> <p>Comprehensive guide to Elicent ECO LINE wall axial fans, covering installation, performance data, dimensions, and available versions for residential ventilation.</p>
	<p>Elicent @max Universal Axial Fan - Direct Extraction</p> <p>Discover the Elicent @max series universal axial fan for direct extraction. This modular fan offers tailored ventilation with multiple duct sizes (80/100/120mm), smart control functions, and energy efficiency, ideal for residential environments. Features include an ultra-slim profile, LED indicators, and compliance with key European directives.</p>