

Reversomatic RI-200

Reversomatic RI Series 5" Inline Duct Ventilation Exhaust Fan RI-200 User Manual

Model: RI-200

1. INTRODUCTION

The Reversomatic RI Series 5" Inline Duct Ventilation Exhaust Fan, model RI-200, is engineered for efficient and quiet continuous operation in various settings. This fan is designed to maximize airflow and efficiency while minimizing noise levels, making it suitable for general purpose ventilation in high-rise condominiums, office buildings, schools, and boardrooms. Its low-profile construction simplifies installation in confined spaces.

Key features include a self-cleaning, non-overloading wheel and a well-balanced backward-curved motor impeller assembly. The unit is constructed from quality deep-stretch cold rolling steel and includes mounting brackets for versatile installation.

2. SAFETY INFORMATION

Please read and understand all instructions before installing, operating, or performing maintenance on this product. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Always disconnect power before servicing or cleaning the unit.
- Ensure all electrical connections comply with local codes and ordinances.
- Do not operate the fan with a damaged cord or plug.
- Keep fingers and foreign objects away from the fan blades.
- This fan is designed for indoor use only.
- Consult a qualified electrician if you are unsure about wiring procedures.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Reversomatic RI Series 5" Inline Duct Ventilation Exhaust Fan (RI-200)
- Power Cord
- Mounting Brackets
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

The RI-200 fan is designed for easy installation in various ducting systems. Mounting brackets are included for secure attachment to walls or trusses.



Figure 4.1: The Reversomatic RI Series 5" Inline Duct Ventilation Exhaust Fan (RI-200). This image shows the grey cylindrical fan unit with a black electrical box attached to its side, and the duct connections visible at either end.

Installation Steps:

1. **Planning:** Determine the optimal location for the fan within your ducting system. Consider accessibility for future maintenance and ensure adequate space for airflow.
2. **Mounting:** Use the provided mounting brackets to securely attach the fan to a stable surface, such as a wall stud, ceiling joist, or truss. Ensure the fan is level and firmly secured to prevent vibration and noise.
3. **Duct Connection:** Connect the appropriate size ducting (5-inch diameter) to both inlet and outlet ports of the fan. Use duct clamps or tape to ensure airtight connections.
4. **Electrical Connection:** Connect the fan's power cord to a suitable electrical outlet. Ensure the power supply

matches the fan's voltage requirements. If hardwiring, consult a qualified electrician to ensure proper and safe connection according to local electrical codes.

5. **Testing:** Once installed, turn on the power and test the fan's operation. Verify that air is moving through the duct system as intended and check for any unusual noises or vibrations.

5. OPERATING INSTRUCTIONS

The Reversomatic RI-200 fan is designed for continuous, quiet operation. Once properly installed and connected to power, the fan will begin to move air through your ventilation system.

- **Power On/Off:** The fan's operation is controlled by the power switch of the circuit it is connected to. Ensure the fan is connected to a dedicated circuit or a switch that can handle its electrical load.
- **Continuous Operation:** This fan is engineered for continuous use, providing consistent ventilation.
- **Airflow Direction:** Ensure the fan is installed to move air in the desired direction for your ventilation needs (e.g., exhausting stale air out, bringing fresh air in).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RI-200 fan. The fan features a self-cleaning, non-overloading wheel, which reduces the frequency of manual cleaning.

- **Power Disconnection:** Always disconnect the fan from the power source before performing any maintenance or cleaning.
- **Exterior Cleaning:** Periodically wipe down the exterior of the fan with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Duct Inspection:** Annually inspect the ducting connected to the fan for any blockages, leaks, or damage that could impede airflow.
- **Impeller Inspection:** While the fan has a self-cleaning design, occasional inspection of the impeller for excessive dust or debris buildup is recommended, especially in dusty environments. If cleaning is necessary, use a soft brush or vacuum cleaner.
- **Noise Check:** Listen for any unusual noises during operation. Excessive noise may indicate a need for inspection or professional servicing.

7. TROUBLESHOOTING

If you encounter issues with your Reversomatic RI-200 fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply; loose wiring; faulty switch.	Check power outlet and circuit breaker. Ensure all wiring connections are secure. Test the switch.
Reduced airflow.	Duct blockage; dirty impeller; incorrect duct size.	Inspect ducts for obstructions. Clean the impeller if necessary (after disconnecting power). Ensure 5-inch ducts are used.
Excessive noise or vibration.	Loose mounting; debris in fan; damaged impeller.	Tighten mounting brackets. Disconnect power and check for debris. If impeller is damaged, contact support.

Problem	Possible Cause	Solution
Fan runs intermittently.	Loose electrical connection; overheating.	Check all electrical connections. Ensure adequate ventilation around the fan to prevent overheating.

If the problem persists after attempting these solutions, please contact Reversomatic customer support.

8. SPECIFICATIONS

Attribute	Detail
Brand	Reversomatic
Model	RI-200
Electric Fan Design	Exhaust Fan
Style	Modern
Room Type	Office (also suitable for high-rise condominiums, schools, boardrooms)
Special Feature	Quiet, Self Cleaning
Recommended Uses	Exhausting
Included Components	Cord, Mounting Brackets
Blade Material	Plastic
Manufacturer	Reversomatic
UPC	723284329062
ASIN	B08J1M4MBW
Date First Available	September 14, 2020
Origin	Made in Canada

9. WARRANTY INFORMATION

Reversomatic products are manufactured to high standards. For specific warranty terms and conditions applicable to your RI-200 fan, please refer to the warranty card included with your purchase or visit the official Reversomatic website. Keep your proof of purchase for warranty claims.

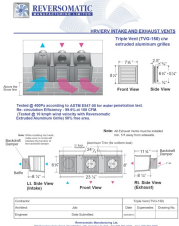
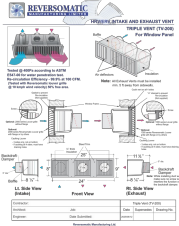
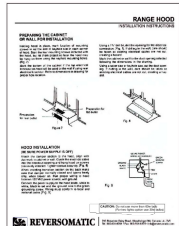
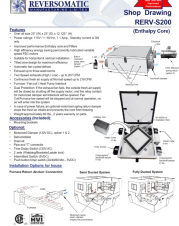

10. CUSTOMER SUPPORT

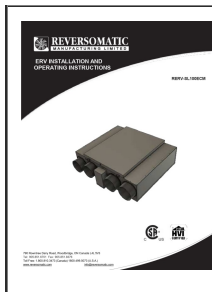
For technical assistance, troubleshooting not covered in this manual, or parts inquiries, please contact Reversomatic customer support. Contact information can typically be found on the manufacturer's official website or on the product packaging.

Manufacturer: Reversomatic



Related Documents - RI-200

 The image shows the front and side views of the TVG-150 and TV-200 intake and exhaust vents. It includes technical specifications and installation details for these models.	<p>Reversomatic HRV/ERV Intake and Exhaust Vents: TVG-150 and TV-200</p> <p>Technical specifications and installation details for Reversomatic's Triple Vent (TVG-150) and Triple Vent (TV-200) models, designed for HRV/ERV systems with extruded aluminum grilles.</p>
 The image shows the front and side views of the TV-200 Triple Vent. It includes technical specifications and installation details for this model.	<p>Reversomatic Triple Vent (TV-200) HRV/ERV Intake and Exhaust Vent Installation and Specifications</p> <p>Detailed specifications and installation information for the Reversomatic Triple Vent (TV-200), an HRV/ERV intake and exhaust vent designed for window panel installation. Includes performance data, dimensions, and material details.</p>
 The image shows the front and side views of a range hood. It includes technical specifications and installation details for this model.	<p>Range Hood Installation Instructions by Reversomatic</p> <p>Detailed installation guide for Reversomatic range hoods, covering cabinet preparation, ductwork, and electrical wiring.</p>
 The image shows the front and side views of the RERV-S200 Enthalpy Core ERV. It includes technical specifications and installation details for this model.	<p>Reversomatic RERV-S200 Enthalpy Core ERV - Specifications and Installation</p> <p>Detailed specifications, features, performance data, and installation options for the Reversomatic RERV-S200 Energy Recovery Ventilator (ERV) with Enthalpy Core.</p>
 The image shows the front and side views of an HRV/ERV unit. It includes technical specifications and installation details for this model.	<p>HRV/ERV Installation and Operation Instructions</p> <p>Comprehensive installation and operation instructions for Reversomatic HRV/ERV units, including RHRV-C100PECM and RERV-C100ECM models. Covers safety, wiring diagrams, typical installations, air flow balancing, maintenance, and troubleshooting.</p>



[Reversomatic RERV-SL100ECM ERV: Installation & Operating Guide](#)

Comprehensive installation and operating instructions for the Reversomatic RERV-SL100ECM Energy Recovery Ventilator (ERV). This guide covers safety precautions, parts list, wiring diagrams, installation procedures, air flow balancing, maintenance, and troubleshooting for optimal performance and energy efficiency.