Broan-NuTone ERV200TE

Broan ERV200TE Energy Recovery Ventilator

Model: ERV200TE

User Manual

1. Introduction

Thank you for choosing the Broan ERV200TE Energy Recovery Ventilator. This manual provides essential information for the safe installation, operation, and maintenance of your unit. Please read this manual thoroughly before installation or use to ensure proper function and to prevent potential hazards.
The Broan ERV200TE is part of the HE Series, designed to provide optimal whole-house ventilation for energy-efficient homes. It recovers heat and manages humidity, contributing to improved indoor air quality and comfort.

2. Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- Read all instructions before installing or operating this appliance.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Do not use this unit with any solid-state speed control device.
- This unit is approved for installation in unheated spaces, but proper insulation of ducts is crucial to prevent condensation.
- Always disconnect power to the unit before servicing or cleaning.
- Ensure all ductwork is properly sealed and insulated to prevent energy loss and condensation.

3. Setup and Installation

The Broan ERV200TE is designed for top-port installation, meaning all air connections are made from the top of the unit. Professional installation is highly recommended to ensure compliance with local building codes and optimal performance.

3.1 Unit Placement

Select a location that allows for easy access for maintenance, such as a utility room, basement, or attic. Ensure there is sufficient clearance around the unit for airflow and servicing.

3.2 Ducting Connections

The unit features oval ports designed to fit 6-inch round ductwork. Use appropriate adapters and seal all connections thoroughly to prevent air leakage. Insulate all ductwork, especially in unheated spaces, to prevent heat loss and condensation.



This image displays the Broan ERV200TE Energy Recovery Ventilator. The unit is dark gray with a prominent blue panel on the right side, labeled 'HE Series' vertically. Four circular ports are visible on the top of the unit, indicating its top-port configuration. The Broan logo is centered on the front panel.

3.3 Electrical Connections

The ERV200TE operates on 120 Volts. All electrical wiring must be performed by a licensed electrician in accordance with national and local electrical codes.

4. Operating Instructions

The Broan ERV200TE is designed for continuous operation to maintain optimal indoor air quality. The unit's ECM motors provide significant electrical consumption savings compared to standard motors.

4.1 Airflow Control

The unit operates within a 50–250 CFM (Cubic Feet Per Minute) range, which can be adjusted to suit the size of

your home and ventilation needs. Refer to your installer or the separate control manual for specific airflow adjustment procedures.

4.2 Anti-freeze Setting

The ERV200TE includes an anti-freeze setting to prevent ice buildup in the core during cold weather conditions. This feature operates automatically to ensure continuous performance.

4.3 Filtration

The unit comes with MERV 6 filtration. Optional HEPA filtration is available for select models, capable of capturing 99.97% of allergens and microscopic particles, which may help reduce allergy or respiratory symptoms.

5. Maintenance

Regular maintenance is crucial for the efficient and long-lasting operation of your ERV unit.

5.1 Filter Replacement/Cleaning

The MERV 6 filters should be inspected every 3 months and cleaned or replaced as needed. If using optional HEPA filters, follow the manufacturer's recommendations for replacement intervals. Dirty filters can restrict airflow and reduce efficiency.

5.2 Core Cleaning

The energy recovery core should be cleaned annually or as recommended by a qualified technician. Refer to the detailed cleaning instructions in the full installation guide for proper removal and cleaning procedures.

5.3 Drain Pan Inspection

Periodically inspect the drain pan and drain line for any blockages or standing water. Ensure the drain line is clear to allow proper condensate removal.

6. Troubleshooting

If your Broan ERV200TE is not operating as expected, consult the following common issues before contacting customer support.

Problem	Possible Cause	Solution
Unit not operating	No power supply Circuit breaker tripped	Check power connection Reset circuit breaker
Reduced airflow	Dirty filters Blocked ductwork	Clean or replace filters Inspect and clear ductwork
Unusual noise	Loose components Motor issue	Check for loose parts Contact qualified technician
Condensation around unit	Improperly insulated ducts Blocked drain line	Ensure ducts are insulated Clear drain line

If the problem persists after attempting these solutions, please contact a qualified HVAC technician or Broan-NuTone customer support.

7. Specifications

Feature	Specification
Model Number	ERV200TE
Brand	Broan-NuTone
Airflow Capacity	200 CFM (Cubic Feet Per Minute)
Voltage	120 Volts
Item Weight	96 Pounds
Product Dimensions (L x W x H)	20 x 32 x 31 inches
Ports Location	Top Ports
Port Size	Oval, fits 6" round duct
Filtration Level	MERV 6 (Optional HEPA available)
Apparent Sensible Efficiency (32°F)	86%
Sensible Recovery Efficiency (-13°F)	65%
Sound Level	0 Sones
Manufacturer	Broan
UPC	026715242672

8. Warranty and Support

For detailed warranty information, please refer to the documentation included with your Broan ERV200TE unit or visit the official Broan-NuTone website. Warranty terms and conditions may vary.

If you require technical assistance, replacement parts, or have questions not covered in this manual, please contact Broan-NuTone customer support. You can find contact information on their official website or through the Broan-NuTone store on Amazon: Visit the Broan-NuTone Store.

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