

Energy Recovery Ventilator Market is Hit to USD 10.73 Billion by 2032 Driven by Rising Demand for Indoor Air Quality

Growing global emphasis on reducing energy consumption and mitigating climate change impacts has further supported the market demand for energy recovery.

AUSTIN, TX, UNITED STATES, December 20, 2024 /EINPresswire.com/ -- The [Energy Recovery Ventilator Market](#) size was estimated at USD 4.44 Billion in 2023 and is expected to reach USD 10.73 Billion by 2032, registering a compound annual growth rate (CAGR) of 10.30% during the forecast period of 2024 to 2032.



Rising Demand for Energy Recovery Ventilators Driven by Global Energy Conservation and Indoor Air Quality Priorities

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The Energy Recovery Ventilator Market is expanding rapidly due to the demand for energy-efficient, sustainable solutions to improve indoor air quality and reduce energy costs, driven by strict”

SNS Insider

The demand for energy-efficient solutions is rapidly increasing as countries aim to reduce energy consumption and embrace more sustainable technologies. Energy Recovery Ventilators (ERVs) are gaining popularity across residential, commercial, and industrial sectors due to their ability to improve indoor air quality while enhancing energy efficiency. As global energy conservation efforts intensify, ERVs play a vital role in reducing energy costs by capturing and reusing energy from exhaust air to pre-condition incoming air. This process helps minimize the strain on heating and cooling systems, which is particularly valuable in both new construction projects and building

retrofits that prioritize energy savings. Additionally, growing regulations focused on environmental sustainability, such as LEED certification standards for green buildings, are further

promoting the adoption of energy-efficient technologies like ERVs. These systems not only help buildings meet regulatory standards but also support homeowners and businesses in reducing their carbon footprints. With an increasing focus on both indoor air quality and energy conservation, ERVs have become a key component in modern building design, offering a sustainable solution that aligns with the global shift toward greener and more energy-efficient living spaces.

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Major Players of Energy Recovery Ventilator Market

Carrier (United Technologies), Johnson Controls, Daikin Industries, Ltd., Mitsubishi Electric Corporation, Trane, LG Electronics, Nortek Air Solutions, LLC, Lennox International Inc., Greenheck, Fujitsu Limited, Zehnder Group, Vent-Axia, Renewaire, Broan-NuTone LLC, Airxchange, Inc., Panasonic Corporation, Swegon

Market Segmentation: Ceiling-Mounted Segment Dominates with 42% Market Share, and Commercial Application Leads with Over 52% in 2023

By Type: The ceiling-mounted segment held over 42% of the Energy Recovery Ventilator Market in 2023. Ceiling-mounted ERVs are popular due to their easy installation and cost efficiency. Using existing ductwork and wiring, they minimize the need for major renovations. This design is especially appealing in commercial and residential spaces where limited space and aesthetics are important. Mounted on the ceiling, they reduce disruptions during setup, offering an effective solution for enhancing air quality and energy savings.

By Application: The commercial segment led the Energy Recovery Ventilator Market, holding more than 52% of the market share in 2023. Energy Recovery Ventilators (ERVs) are increasingly used in commercial spaces like offices, schools, and hospitals, where energy efficiency and air quality are essential. ERVs allow businesses to maintain fresh air circulation while conserving energy, appealing to companies aiming to reduce operational costs and meet sustainability goals. As building codes become more stringent and green certifications gain importance, demand for ERVs in the commercial sector is projected to grow steadily.

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Key Market Segments

By Type

- Wall-mount
- Ceiling-mount
- Cabinet

By Application

- Residential
- Commercial
- Others (Industrial)

Regional Developments: North America Leads with Emphasis on Energy Efficiency, While Asia Pacific Anticipates Rapid Growth

In North America, which dominated over 48% of the market share in 2023, There is a growing emphasis on energy-efficient solutions, especially in residential and commercial buildings. With diverse climate conditions ranging from cold winters to hot summers, the demand for effective indoor air quality management is substantial. Energy Recovery Ventilators (ERVs) offer a dependable solution for maintaining indoor air quality while conserving energy, making them highly suitable across the U.S. and Canada. Additionally, green building initiatives and a heightened focus on lowering energy consumption are driving market growth in the region.

Asia Pacific is anticipated to experience the highest growth rate, Rapid urbanization and rising living standards in key markets like China, India, and South Korea are driving the demand for ERVs. As urban areas expand and construction activity increases, the adoption of ERVs in residential and commercial buildings is gaining momentum. This trend aligns with a growing focus on sustainability, as ERVs are increasingly integrated into infrastructure projects to meet the region's needs for energy efficiency and improved air quality.

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Recent Development

In February 2024: Panasonic introduced the WhisperComfort 60 ERV for residential use, which features adjustable airflow, high-efficiency DC motors, and MERV 13 filters for enhanced indoor air quality. The ERV also includes a heat recovery core for improved energy performance and moisture control, making it suitable for both wall and ceiling installations.

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