rosenberg® CANADA

Built on Precision. Driven by Performance.

Rosenberg Fans Canada

Canadian Head Office, Mississauga, Ontario

About Us

At Rosenberg Fans Canada, we deliver high-performance air movement solutions engineered for reliability, efficiency, and long-term value. As part of the global Rosenberg Group, we combine German engineering excellence with responsive Canadian service and support.

What truly sets us apart is our local manufacturing capability. We manufacture and assemble products onsite in Canada, allowing us to maintain strict quality control, reduce lead times, and provide the flexibility our customers depend on. This hands-on production approach ensures consistent performance, faster turnaround, and solutions tailored to specific project requirements.

For decades, Rosenberg has been at the forefront of external rotor motor and fan technology. Today, Rosenberg Fans Canada supports OEMs, mechanical contractors, and consulting engineers across the country with a comprehensive portfolio of EC plug fans, plenum fans, backward-curved impellers, FanGrid systems, and custom air movement solutions.

Our products are trusted in demanding applications including air handling units, data centers, refrigeration, filtration systems, wind power, railway technology, and electronic cooling. With a strong focus on EC technology and energy efficiency, we help customers meet modern performance standards while reducing operational costs and environmental impact.

At Rosenberg Fans Canada, we don't just move air — we engineer performance, manufacture with precision, and build lasting partnerships.

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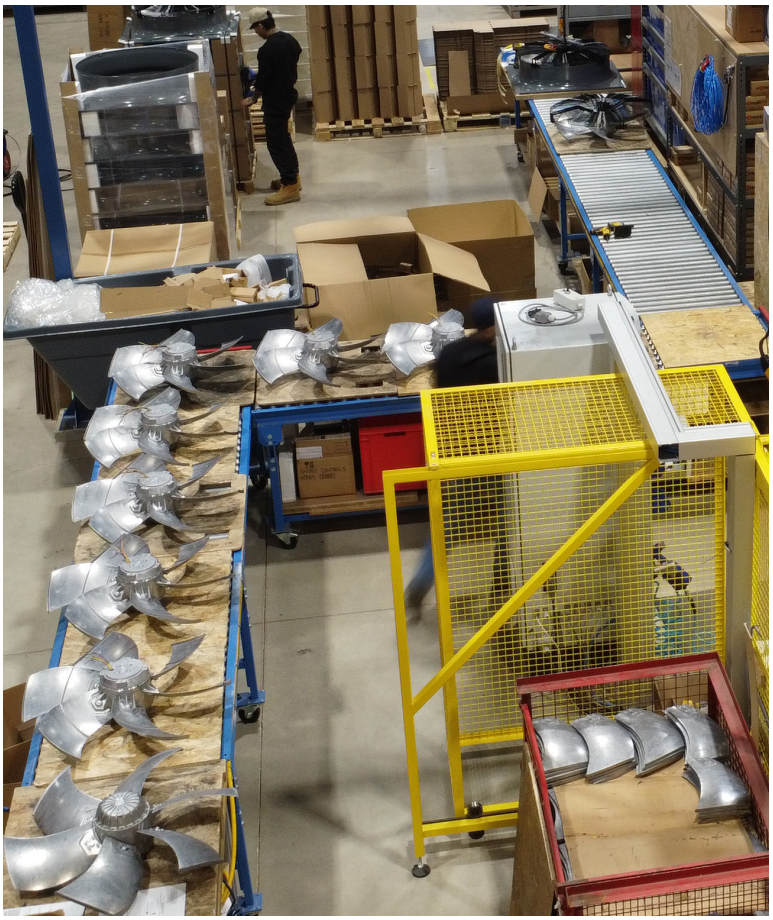

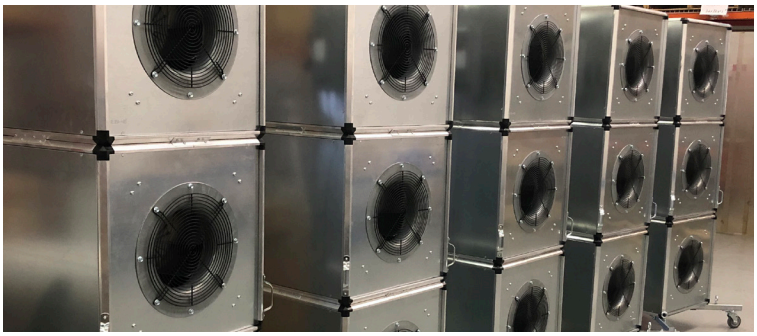

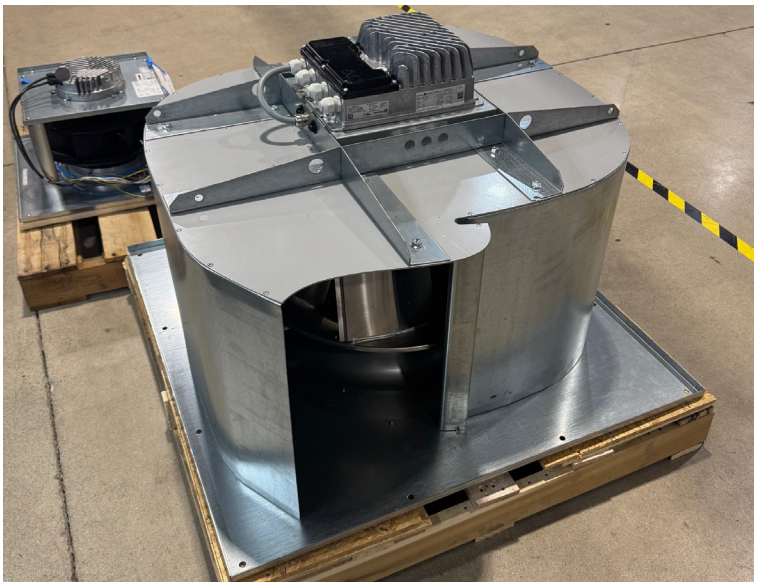

Innovative Air Movement. Proven Performance.

Rosenberg Fans Canada delivers high-efficiency air movement solutions engineered for reliability, durability, and performance. As part of the global Rosenberg Group, we bring together German engineering excellence and Canadian manufacturing capability to support HVAC, industrial, and OEM applications across North America.

Canadian Manufacturing. Global Expertise.

Our Canadian facility assembles and configures a wide range of EC and AC fans, blowers, and custom air movement systems. Backed by decades of international engineering, we provide products built to meet regional standards, demanding environments, and unique customer specifications.

High-Efficiency EC Technology

Rosenberg's electronically commutated (EC) motors deliver:

- Outstanding energy efficiency
- Low operating noise
- Precise airflow control
- Long service life
- Perfect for modern HVAC equipment, industrial ventilation, and OEM integrations.

Quality You Can Trust

Every Rosenberg fan is tested and verified for:

- Airflow and pressure performance
- Electrical safety and efficiency
- Vibration and sound levels
- Control functionality

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Rosenberg Fans Canada

Our Products

EC Motors & EC Fans
High-efficiency Electronically Commutated (EC) technology Reduced energy consumption & operational cost Integrated motor + fan solutions Ideal for retrofits and new HVAC builds

Centrifugal Fans
Forward-curved & backward-curved wheel designs
Precise airflow control for commercial HVAC systems
Quiet, reliable, and optimized for continuous operation

Axial Fans
High airflow with minimal noise
Robust construction for industrial, commercial, and ventilation applications
Available in AC and EC options

Blowers, Impellers & Specialty Air Movement Solutions
Tailored for OEM manufacturing
Custom configurations available
Built to perform in demanding environments

Why Rosenberg Fans Canada?

Engineering Expertise
Our team provides engineering-backed recommendations, helping customers select the most efficient and reliable fan solution for their application.

Energy Efficiency
Rosenberg's EC technology reduces energy consumption by up to 50%, meeting modern building standards and sustainability goals.

Reliable Stock in Canada
Fast delivery from our Canadian warehouse—motors, fans, and components ready to ship when you need them.

Customization
We support OEMs and large-scale projects with tailored solutions designed to integrate seamlessly into your system.

Quality You Can Trust
All Rosenberg products undergo strict engineering validation, performance testing, and international certification.

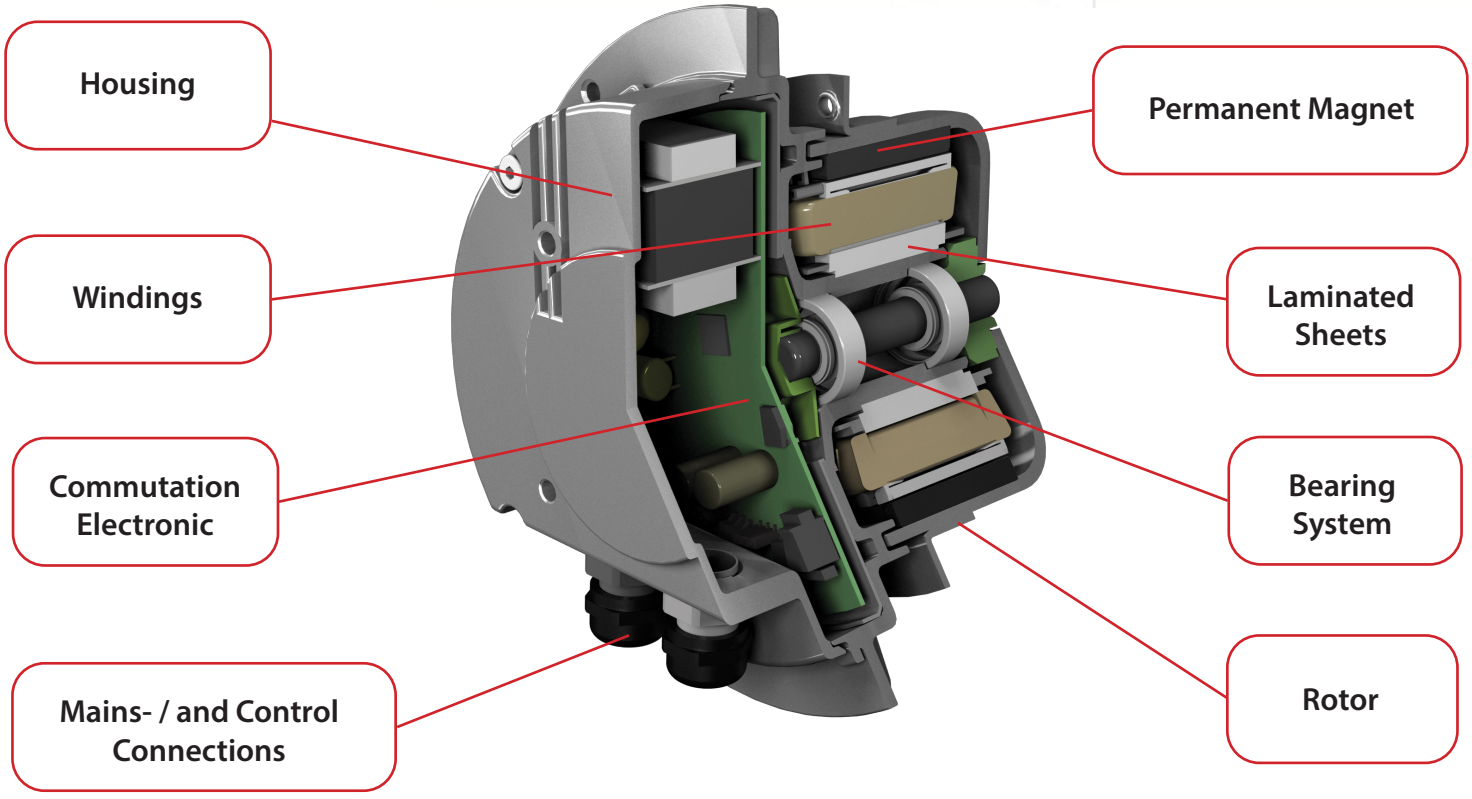
EC Technology

As a future driven-company we assume responsibility for the conscious way of using energy, especially for the ecological and economical importance with regard to the CO2-Emission and rising energy prices.

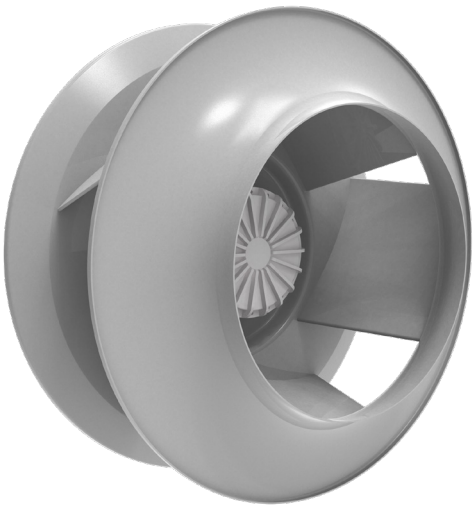
Our engineers and technicians work therefore constantly to improve the energy efficiency of our products – with success: Our motors with modern EC Technology reach efficiency of more than 90% and save up to 50% energy compared with conventional engine technology. The low energy consumption contributes not only for the environmental protection but also lowers the operating costs of our customers The EC Technology is much more than pure "energy efficiency wonder". The EC Motors are maintenance-free and low-noise. The integrated, intelligent control enables a variable control and other additional functions like for example pressure-, volume flow- or air quality regulation. Our EC Products comply the very highest aspirations when it comes to energy efficiency, economy and high air quality.

Advantages of the EC Technology:

- Very high efficiency, also in partial load
- Integrated control (step less variable)
- Easy connection
- Pressure control
- Low energy-consumption



Backward Curved Fans (Radial)



Backward-curved centrifugal impellers are of high efficiency and can be used without a scroll housing. If necessary, they can be installed in circular rectangular or scroll shaped housings providing there is sufficient clearance to the sidewall.

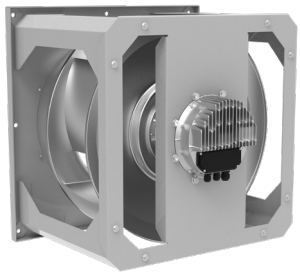
- The fans are designed for clean air application and ventilation of non-aggressive vapors and fumes.
- Radial fans come with AC and EC external rotor motors.

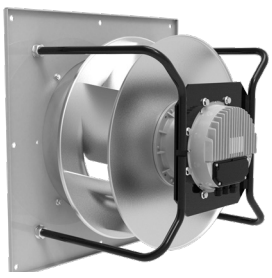
Types of wheels:

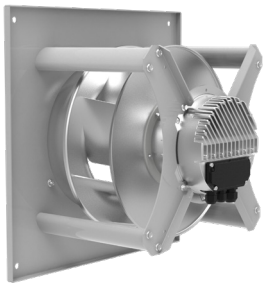
W: Aluminum wheel
B: Aluminum wheel with diffuser
F: Steel wheel (galvanised)
E: Plastic wheel
G: Steel wheel (coated)
I: Aluminum wheel with airfoil profile and outlet duffuser

Radial Fans come in the following configuration:

- KHR: Motorized Impeller without Inlet Cone (Inlet Cone as an option)
- KHM: Fan Module Classic
- KHC: Fan Module Slim
- KHQ: Fan Module Qube
- KHS: Spider Construction
- KHB: Fan Module with Mounting Stand





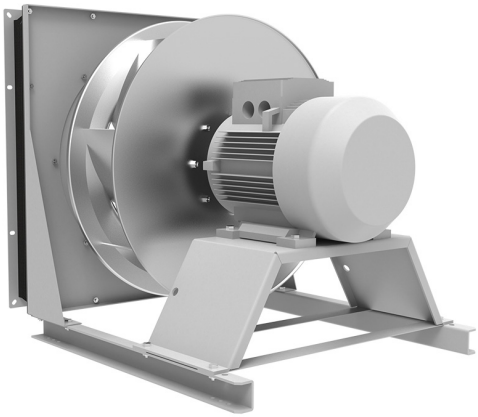


AMCA Approved

Plenum Fans

Features and Construction

Rosenberg Canada's plenum fans are a high-performance, AMCA-certified airflow solution for HVAC & Industrial Applications. Our plenum fans range addresses the core concerns of modern ventilation systems: efficiency, space constraints, noise control, and flexibility in installation. Whether you're designing a new HVAC system, renovating older equipment, or integrating fans into custom OEM solutions, these fans provide proven performance backed by Rosenberg's global engineering expertise — now supported locally across Canada. Our Plenum Fans are engineered to deliver efficient, reliable, and customizable air movement for demanding HVAC systems, air handling units (AHUs), cleanrooms, data centers, and retrofit projects.

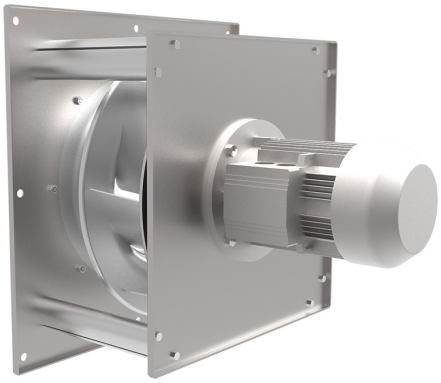


DKNB:

- Fan module with mounting stand.
- The Inlet cone is mounted and adjustable to correct depth.
- Complete unit installable with vibration dampers or springs.
- Fan with NEMA PE Ultra PE, or EC Motors.

DKNM:

- Fan module without mounting stand.
- The Inlet cone is mounted and adjusted to the correct depth.
- Fan with NEMA PE Ultra PE, or EC Motors.



Advantages of radial fans with a free-running impeller

- Easy maintenance as a result of no fan belt abrasion or wear and tear
- Hygienic, easy to clean
- Can be installed either with a horizontal or vertical shaft
- Compact, space-saving construction
- Easy determination of the airflow due to measuring device
- Technical decoupling of vibration of the module possible
- High economic efficiency as a result of the optimized efficiency of the impeller
- Balancing up to level BV5 upon request.

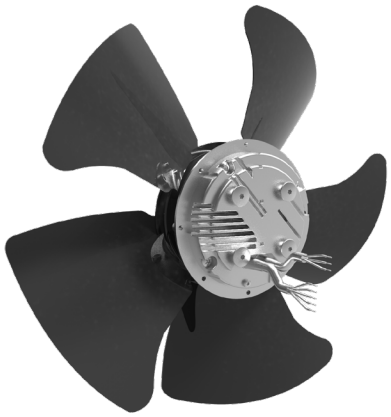
Axial Fans

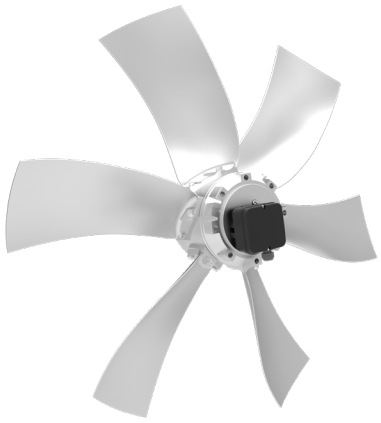
Rosenberg Axial Fans are mostly used in Air heaters, Heat pumps, Condensers, Cooling units, Evaporators and Chillers. The fans are suitable for handling air and other non-aggressive gases or fumes. More variants are possible on request (for ex. Custom painting)

The motors are available as asynchronous external rotor motors or as electronically commutated (EC) external rotor motors. The main concern for all axial fans was to keep noise emission low in the main range of application of the fan while having an optimal performance curve with the long and short nozzled inlet cone.
Axial fans come with AC and EC external rotor motors.

Types of blades:

- Axial fans with 5 plastic blades, which are mounted directly on the rotor
- Axial fans with 5 steel sheet blades which are mounted directly on the rotor
- Axial fans with 5 steel blades, which are welded directly on the rotor
- Axial fans with 5 aluminum sheet blades, which are riveted on the rotor
- Axial fans with 5/6 curved die-cast aluminum blades, which are bolted on the rotor



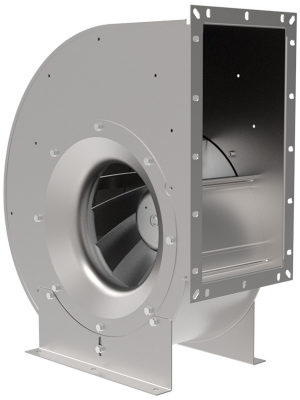


Construction							
1	2	3	4	5	6	7	8
Air flow direction							
A	V	A	V	A	V	A	V
☑	☑	☑	☑	☑	☑	☑	☑

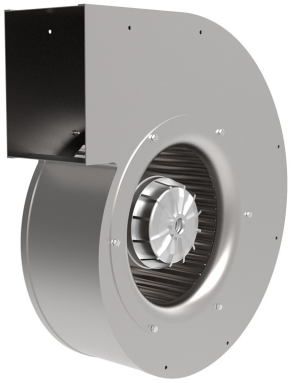
Detailed drawings of the respective constructions can be found up-to-date in our fan selection program RoVent

Centrifugal Blowers

The high efficiency centrifugal fans have been developed especially for modern ventilation and air conditioning applications and are ideal for the movement of air and light aggressive gas and vapors.

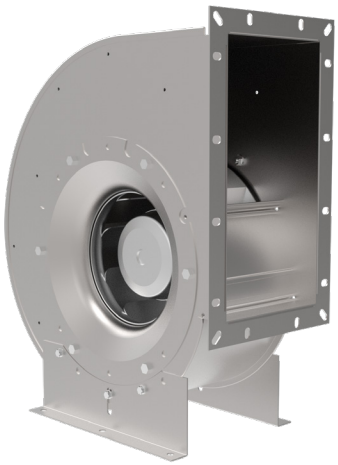


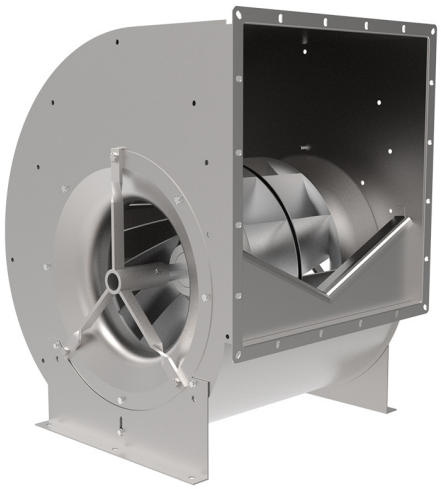
- Single or double inlet casing made of galvanized sheet steel and the side parts of the scroll is assembled with the spirally shaped guide plate through a standing seam
- The forward curved or backward inclined impellers are made of galvanized sheet steel or aluminum and mounted directly to the rotor of the external rotor motor and are balanced dynamically at two levels together with the rotor according to quality level G2.5
- Comes with AC or EC (Electronically Commutated) external rotor motors with protection class IP54 and insulation class F
- When equipped with EC motors represent an advanced air-moving solution that combines the aerodynamic performance with the high efficiency and controllability of modern brushless EC motor technology.

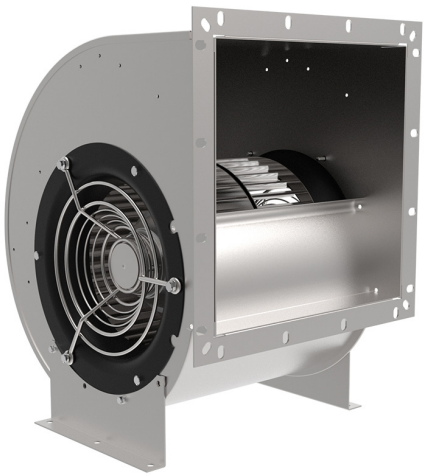


Other important benefits include:

- Compact and integrated design
- Low noise and vibration
- High motor efficiency across a wide speed range
- Built-in motor protection and monitoring
- Easy integration with building management systems (BMS)







ECFanGrid: The Smart Solution for New AHU Installations

Powered by energy-efficient EC Motors, Rosenberg's ECFanGrid provides a compact and modular solution for HVAC retrofit and new Air Handling Unit (AHU) installations. Compared to traditional single large blowers, the ECFanGrid system can reduce required space by up to 50%, offering a flexible setup tailored to your specific needs—whether it's a 1x3, 2x2, 2x3, or 3x3 configuration. Our multi-fan systems ensure uniform airflow distribution, enhancing the performance of downstream components like coils and filters. Additionally, using multiple fans instead of a single blower produces higher frequency sound levels, allowing for smaller attenuators and more efficient airflow management.

ECFanGrid Retrofit Kit for Efficient HVAC Upgrades

Rosenberg's ECFanGrid Retrofit Kit is the ideal solution for upgrading your HVAC system. This all-in-one kit provides everything necessary for a smooth and efficient retrofit, improving system performance and energy savings. Simply provide us with your Airflow, Static Pressure, and Cabinet dimensions, and our team will customize the perfect kit for your needs.

The ECFanGrid Retrofit Kit includes:

- High-efficiency EC plug fans with external rotor motors
- Top and bottom sheet metal filler panels (if required)
- Adjustable support frame and posts
- Inlet cones with pressure taps for accurate airflow measurement
- Prewired electrical cabinet for easy power and control connections
- All essential nuts, bolts, and fasteners
- Step by-step installation manual for quick setup

ECFANGRID
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Products

ECFanGrid is a multiple fan array designed to improve reliability, flexibility and efficiency in new or existing ventilation systems.

Inefficient belt driven fan, as installed in most of the older air handling units

Efficient ECFanGrid as retrofit solution for the replacement of e.g. older belt driven fans. The ECFanGrid Retrofit KIT includes all mechanical parts: fans, cabinet, grid and screws.

Continuous and consistent airflow is essential to virtually every facility, making under-performing or unreliable fans simply unacceptable. In addition to reliability concerns, inefficient fans can be a building's biggest energy consumer. Given the increasing cause for environmental concern, designers should look to select EC plug fans which will not only provide the necessary reliability, but also provide optimum efficiency and environmental benefits. In most fan systems a single fan is selected for the required system and various methods of control are also installed to meet other operating points defined by the system duty such as dampers or variable pitch blades.

In some instances, it is advantageous to use more than one fan in a system, for example when it is necessary for the required operating range of the system to include multiple plug fans running closer to their peak efficiencies, instead of one large fan controlled over a wide operating range. Multiple fans for capacity control may be more economical if the cost of operation is critical. By running fans in parallel, when one motor fails, only a portion of the airflow is lost, unlike single fan air handlers.

An ECFanGrid consists of several modular backward curved centrifugal fans or plug fans arranged in a grid construction offering numerous advantages over conventional technology. It is equally suitable for new projects and as a replacement for large single fans in retrofit air handling units.

In addition to being compact and flexible, the ECFanGrid is easy to clean, replace and maintain while expelling low noise and delivering uniform air stream. A uniform air stream improves the efficiency of other downstream components, for example, a thermal wheel.

EC FAN GRID

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RoVent® 10 - Fan Selection Software

With our new fan selection software RoVent10 an operating point specific fan selection can be made quickly and easily from over 2.900 fan models. The software is kept up to date through regular automatic updates.

Please register RoVent10 after installation in order to use the full range of features.

The most significant innovations are:

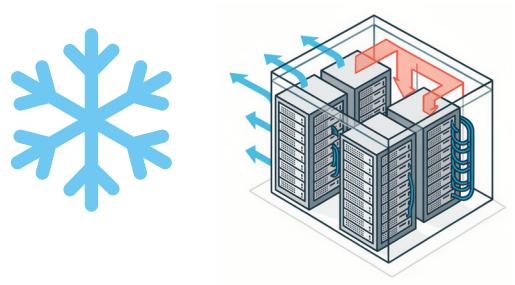
- ECFanGrid: The quick design of your fan replacement project.
- Only four specifications are required. Volume flow, pressure, height and width (inner dimensions).
- EasyFind: The simple introduction to the world of Rosenberg Fans.
- Find the right fan step by step.
- DirectFind: Enables you to find directly the fan by inputting of the article number or type.
- Product Documentation: All required documentation of fans and accessories.
- For your planning this is also in the form of tender texts (DOC or TXT), which can be inserted as free text without formatting in your planning program. The character limit per line can be customized for the output.

Built for North America's Toughest Applications

Your Airflow Partner

From project design to final delivery, Rosenberg Fans Canada provides the expertise, flexibility, and support needed to help customers build smarter, more efficient systems.

- AHUs & HVAC systems
- Data centers & electronics cooling
- Industrial and commercial ventilation
- Cleanrooms & filtration systems
- Refrigeration & food processing
- OEM equipment manufacturers



Engineering airflow solutions that perform today and lead tomorrow.

Markets We Serve

At Rosenberg Fans Canada, we design and manufacture high-performance air movement solutions that support a wide range of industries across North America. Our EC plug fans, plenum fans, external rotor motors, and fan grid systems are engineered for energy efficiency, reliability, and long-term performance in demanding environments.

From commercial buildings and data centers to transportation infrastructure and industrial facilities, our solutions deliver optimized airflow and energy savings where it matters most.

Commercial HVAC & Air Handling

Rosenberg fans are widely used in commercial HVAC systems and air handling units (AHUs). Our energy-efficient EC technology helps building owners and engineers meet modern performance and sustainability goals.

- Air Handling Units (AHUs)
- Rooftop Units (RTUs)
- Fan wall retrofits
- Plenum fan arrays
- Energy-efficient building upgrades

Data Centers & Mission-Critical Facilities

Data centers require precise, reliable airflow to maintain optimal operating conditions. Rosenberg's EC fan technology provides the redundancy, control, and efficiency required for mission-critical cooling environments.

- CRAH/CRAC units
- Fan wall cooling systems
- Precision cooling equipment
- High-density server environments

Healthcare & Laboratories

Healthcare facilities demand precise airflow management, air quality control, and reliable ventilation performance. Rosenberg fans support ventilation systems in hospitals, laboratories, and pharmaceutical environments.

- Hospital HVAC systems
- Isolation room ventilation
- Laboratory air handling
- Pharmaceutical manufacturing facilities

Education & Institutional Buildings

Universities, schools, and institutional facilities benefit from high-efficiency ventilation systems that reduce operating costs while maintaining healthy indoor environments.

- Campus central plants
- Classroom ventilation systems
- AHUs and retrofit upgrades
- Mechanical room fan arrays

Innovative Air Movement Solutions Across Diverse Industries

Markets We Serve

Industrial Ventilation & Manufacturing
Industrial environments require durable, high-performance ventilation systems capable of handling demanding operating conditions.

- Process ventilation
- Factory HVAC systems
- Equipment cooling
- Dust collection systems

Transportation Infrastructure
Ventilation systems are essential for transportation infrastructure, where air movement ensures passenger comfort and safety.

- Railway and subway ventilation
- Airport terminal HVAC
- Bus terminal ventilation
- Infrastructure mechanical systems

Refrigeration & Cold Chain
Efficient air movement plays a vital role in refrigeration systems and cold storage environments.

- Condenser units
- Evaporator systems
- Refrigeration equipment
- Cold storage warehouses

Clean Technology & Energy Systems
As energy efficiency becomes increasingly important, Rosenberg products support renewable energy systems and advanced environmental technologies.

- Battery energy storage systems
- Electronic cooling
- Wind power equipment
- Sustainable building systems

Engineered Air Movement for Every Application
With local manufacturing, engineering support, and a global technology platform, Rosenberg Fans Canada delivers high-performance air movement solutions tailored to the needs of modern HVAC and industrial systems.

Our solutions help engineers and facility owners achieve:

- Greater energy efficiency
- Reduced operating costs
- Improved system reliability
- Long-term ventilation performance

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Innovative Air Movement Solutions Across Diverse Industries

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