

ECFanGrid

BUILT IN REDUNDANCY, COMPACT AND FLEXIBLE

ECFanGrid Retrofit Kit



Rosenberg's ECFanGrid kit includes all the components you need to make your next retrofit project a success. Simply give us your Air flow and Static Pressure along with the Existing Cabinet's interior dimensions and our knowledgeable staff will size the right kit for your application.

The ECFanGrid Kit includes:

- External Rotor Motor EC plug Fans
- 3 sizes of side sheet metal panels
- 3 sizes of top sheet metal panels
- Adjustable supports for frames and posts
- Inlet cones with pressure taps
- IP65/NEMA4 ULC listed prewired cabinet for the fans, controls and power connections
- Nuts, Bolts and Fasteners



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Driven by our variable speed and energy efficient EC Motors, Rosenberg ECFanGrid delivers a compact solution. When we compare the space needed for the ECFanGrid to a single large blower our system can save you up to 50%. Our modular designs are flexible and whether it is a 1x3, 2x2, 2x3, 3x3 ECFanGrid we can tailor the system to your needs.

Our multiple fan systems deliver uniform air distribution. This increases the efficiency of downstream components like coils and filters. Using multiple fan systems vs. a single blower results in higher frequency sound levels which allow for smaller attenuators.

ECFanGrid Key Features:

- Plug & Play System
- Reliability with built in Redundancy
- Compact and Light Design
- Uniform Airflow
- Variable Speed Ready
- High Efficiency
- Less Low Frequency Noise
- Fits all AHU manufacturer's housings

A Rosenberg ECFanGrid is ideally suited for use in Retrofit projects, particularly where a single large radial fan is being replaced. Many buildings are constructed around the mechanical systems which makes replacement difficult. Demolishing the fan section is often the easiest method to remove the old fan. Then installing the new fan becomes the next challenge. The compact & modular design of the ECFanGrid allows our modules to fit through standard doors and they can be handled by two people.

Rosenberg offers three configurations of ECFanGrid:

- 1) New AHU equipment (Pic.1)
- 2) Pre-engineered Retrofit Kit (Pic.2)
- 3) Unobox – stackable modular self-contained EC Fan (Pic.3)

When Redundancy is a requirement, one approach is to place a second identical system beside the operating unit. This is inefficient and doubles the cost while increasing the required footprint. However, if an ECFanGrid is used and one of the fans stops, the remaining fans automatically increase their speed to maintain the operating point until the fan can be replaced. This makes Rosenberg ECFanGrid a logical, efficient and cost-effective choice.



Pic.1: ECFanGrid



Pic.2: Retrofit Kit



Pic.3: Unobox

