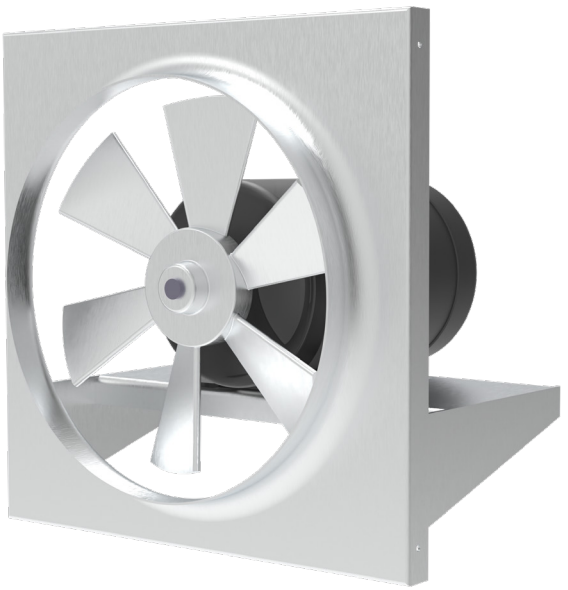
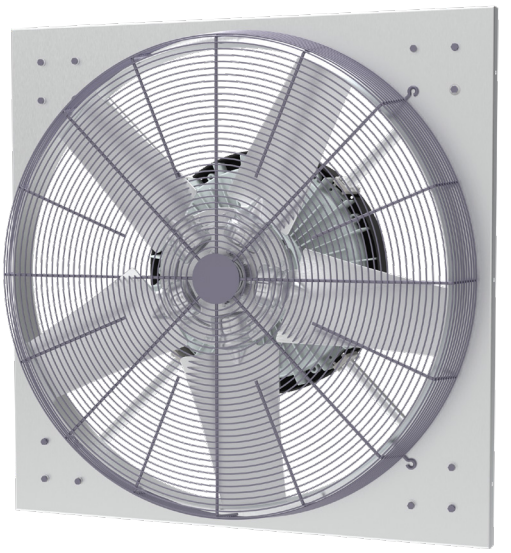
Model PF Series

PANEL FANS FOR HIGH-AIRFLOW, LOW-PRESSURE APPLICATIONS

CINCINNATI FAN



MODEL PF PANEL FAN



MODEL PFI PANEL FAN

Model PF Panel Fan

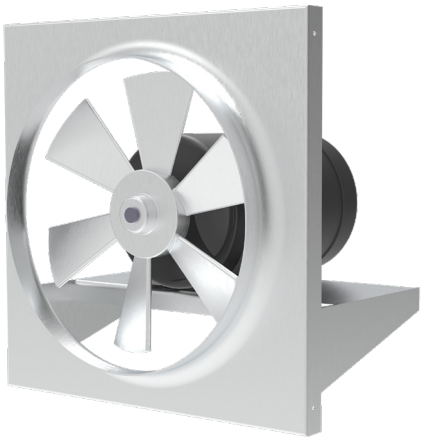
ENGINEERED FOR PERFORMANCE AND FLEXIBILITY

The Model PF panel fan is built to deliver reliable, high-volume airflow in demanding industrial environments. Combining rugged construction with efficient performance, it offers a versatile solution for both supply and exhaust applications. The Model PF panel fan is available in nine sizes with multiple propeller materials—including aluminum, steel, and stainless steel—giving you the flexibility to match airflow, environment, and application requirements precisely.

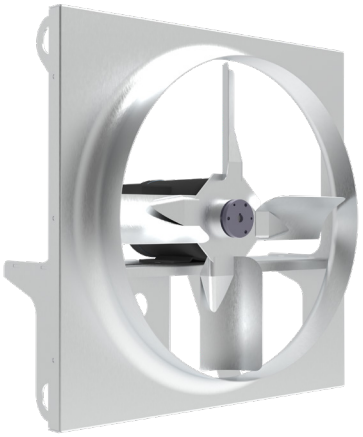
With a wide range of sizes, materials, and motor options available, the Model PF panel fan can be tailored to meet specific system requirements and seamlessly integrate into a wide range of ventilation and process air systems—making it a dependable choice for long-term, low-maintenance operation.

ADVANTAGES

- Model PF panel fan is ideal for moving large volumes of air in low-pressure applications such as ventilation, drying, and fume removal.
- A spun venturi design improves airflow efficiency by reducing turbulence and maximizing air delivery through the fan.
- Statically balanced propellers ensure smooth, stable operation, reducing wear and improving overall system efficiency.
- Spark-resistant aluminum propellers and explosion-proof motor options make the fan suitable for environments where combustible fumes or vapors may be present.



MODEL PF-12 TO PF-20



MODEL PF-24 TO PF-48

DESIGN/CONSTRUCTION

- A variety of motor options, including ODP, TEFC/TENV, and explosion-proof enclosures, allow you to confidently specify the right solution for standard, harsh, or hazardous environments.
- Heavy-gauge steel panels—ranging from 16-gauge to 12-gauge depending on size—provide exceptional structural strength and durability.
- The direct drive design eliminates belts and sheaves, reducing maintenance requirements and minimizing downtime over the life of the fan.
- Propeller materials include aluminum and steel.

APPLICATIONS

- Commercial and industrial ventilation
- Smoke and fume removal
- Drying
- Freezer recirculation

PERFORMANCE

- Airflow Capacity: Up to 38,650 CFM
- Static Pressure: Up to 3/4″ SPWG
- Temperature Range: Up to 104°F (40°C)

AVAILABILITY

- Sizes: 12”, 16”, 18”, 20”, 24”, 30”, 36”, 42”, 48”

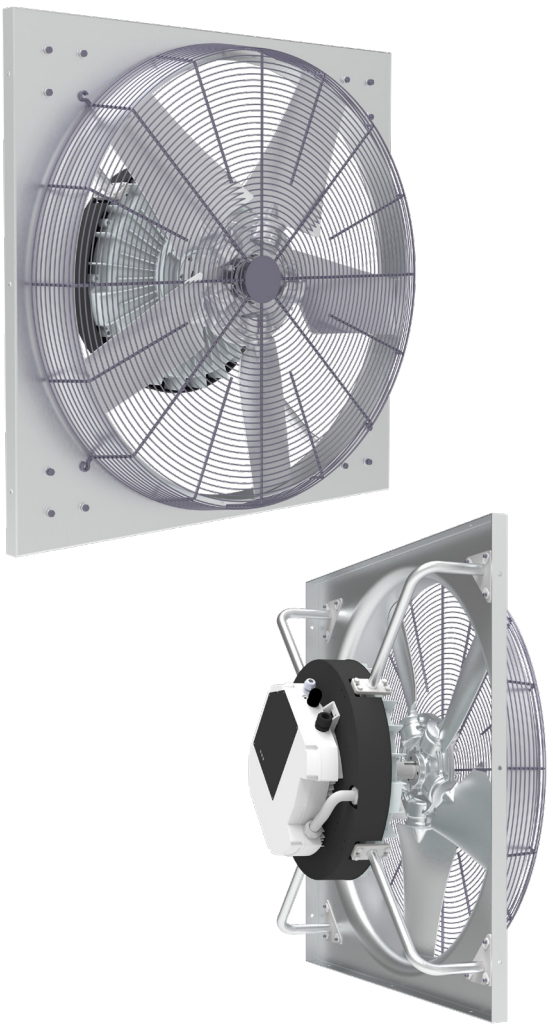
DESIGNED FOR CRAH AND CRAC UNITS

With the addition of an EC motor, the panel fan family has expanded to provide a high-efficiency solution specifically engineered for critical applications such as CRAH (computer room air handler) and CRAC (computer room air conditioning) systems. Available in a wide variety of sizes, the fan integrates seamlessly with CRAH/CRAC airflow requirements. The Model PFI panel fan provides air to help cool racks, exhaust heat, and prevent stratification for even air distribution.

The Model PFI panel fan has a compact design to reduce width and depth compared to traditional motor mounts. This simplifies installation for CRAH/CRAC units while maintaining a smaller footprint. The fan is engineered for high-flow, low pressure operation, delivering efficient airflow tailored to CRAH/CRAC unit cooling requirements.

ADVANTAGES

- High-efficiency EC motor compatibility reduces energy consumption while maintaining reliable performance.
- Small motor footprint allows installation for CRAH/CRAC units, maximizing space and optimizing airflow.
- High-flow capability moves large volumes of air efficiently at lower pressures compared to traditional centrifugal fans.
- Flexible blade and propeller options allow performance to be customized to specified requirements.



DESIGN/CONSTRUCTION

- Integrates a high-efficiency EC motor with reduced depth.
- Draws air from the bottom, exhausting heat efficiently.
- Multiple fan sizes available: 30”, 36”, and 42”.
- Customizable mounting configurations to fit a wide variety of application designs.
- Engineered for minimal vibration to ensure stable operation and consistent airflow performance.
- Propeller materials include aluminum and PPG.

APPLICATIONS

- Computer room air handler (CRAH) units
- Computer room air conditioner (CRAC) units
- Data center cooling racks
- Light industrial applications
- Systems operating at lower pressures (0-2” w.g.)
- Applications requiring a compact motor footprint

PERFORMANCE

- Up to 40,000 CFM

SPX ENGINEERED AIR MOVEMENT
7697 Snider Road
Mason, Ohio 45040 USA
513 573 1000 | cincinnatifan.com

CF-PFSERIES-26 | ISSUED 04/2026

SPX TECHNOLOGIES