AEROVENT

WHO WE ARE

High Quality Standard Products & Fully Customized Fan Solutions
As a leading designer and manufacturer of high quality industrial air moving equipment, Aerovent sets the industry standard. Our broad range of technologies and expertise allow us to provide the most innovative and efficient air moving and ventilation products on the market. Since 1932, we have been supplying fans to industries covering most Fortune 500 companies, as well as small and medium sized companies that demand high quality products with a wide range of features. We have completed thousands of successful installations worldwide and have a proven track record for tackling the most technically complex and unique applications.

Aerovent has extensive industry experience and years of active research, offering customers flexibility in fan design and construction along with superior service and state-of-the-art technology. With an unmatched variety of axial propellers and centrifugal fan wheels, every fan is built to your specific needs. This comprehensive selection of products and materials makes Aerovent the ideal choice for a diverse range of industry applications, including:

> Pulp & Paper  > Power Generation
> Automotive  > Hazardous Locations (UL or ATEX)
> Foundry  > Agricultural
> Pharmaceutical  > Snow Making
> Mining  > Marine
> Paint Finishing Systems  > Water Treatment

With the engineering and manufacturing capabilities to accommodate virtually every conceivable application, Aerovent has the knowledge and expertise to meet any requirement. Our commitment to quality, a dedicated and highly skilled work force and cutting-edge technologies allow us to offer unmatched manufacturing efficiencies. Whether it’s a fan for the power generation, mining or marine industry, it’s guaranteed to be highly engineered, durable and rugged. Through eight decades, the Aerovent line has established itself as the symbol of quality air handling equipment in every industry.
WHAT WE BUILD

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AEROVENT.COM

The Industrial Choice.
LEADING EDGE ENGINEERING

Aerovent’s engineering and application expertise is one of the many aspects that sets us apart from all the others. Our engineering group has earned a strong reputation for quickly responding to the needs of our customers. This often involves evaluating our customer’s existing fan technology and, in many cases, requires us to redesign and prototype a fully-customized fan solution. That is why our customers repeatedly turn to us time and time again for their specific air moving needs. Simply put, give us a problem, we’ll give you a solution.

When you choose Aerovent as your fan manufacturer, you can rest assured that our engineers are using the latest design technology and testing methods, including:

- Finite Element Analysis (FEA)
- Fracture Mechanics Calculations
- Fatigue Analysis - Low & High Cycle
- Rotor Dynamics Calculations, Forced Response & Sensitivity
- Rotor Natural Frequencies & Model Shape Determination
- Foundation Stiffness Requirement Calculations
- 3D Solid Modeling
- Vibration Analysis & FFT Spectrum Analysis
- Aerodynamic Design & Analysis
- Computational Fluid Dynamics
UNMATCHED QUALITY

Our experienced team combines a unique skill set and craftsmanship to build the best fans possible. By utilizing the highest quality materials and the most advanced equipment and manufacturing techniques, our product quality is unsurpassed in the air moving industry. We operate eight manufacturing facilities across the U.S. and strive for the highest quality at every step of the manufacturing process – fabrication, welding, machining, painting, assembly, testing and crating. We offer a wide choice of construction materials and accessories for specialty applications including composite, stainless steel, aluminum, hot-dip galvanized steel, abrasion and spark resistant alloys, along with numerous protective coatings.

Prior to manufacturing, all of our product designs are tested and validated in our in-house AMCA registered test laboratory. We conduct numerous types of tests for quality assurance, product certification and safety to ensure that our fans and air handling units meet or exceed our own stringent standards.

QUICK SHIP PROGRAM

Aerovent stocks a large number of products for quick shipment so your tight project deadlines can be met and downtime on replacement work can be held to a minimum. Many stock products are ready to ship within 48 hours from our distribution center in South Dakota, and many other products are available in Quick Ship times of 5 and 10 days.

- Complete testing of all units prior to shipment to verify operation and ensure quality
- Many unit options and accessories in the Aerovent Quick Ship Program provide wide flexibility
- AMCA licensing of most units
- UL and/or CSA listing on most stock units to ensure code compliance
With one of the most sophisticated research and development testing laboratories in the industry, only Aerovent has the collective experience and knowledge needed to tackle the most technically complex testing requirements for the most demanding environments.

The scope of Aerovent’s testing capabilities covers a wide spectrum of in-house and onsite testing services. With this level of technology, we continue to provide our customers with proven solutions to their particular air movement needs while ensuring that they receive the highest quality product for their exact requirements and structural needs. This includes the evaluation of existing systems to optimize performance and reduce power consumption.

- AMCA 204 Balance & Vibration Testing
- AMCA 210 Performance Testing
- AMCA 250 Jet Fan Thrust Testing
- AMCA 260 Induced Flow Testing
- AMCA 300 Sound Testing
- UL 705 Safety Testing
- Seismic Testing per ICC-ES AC156
- High Temperature/Survivability Testing
- Mechanical Run Testing
- Narrow Band Sound & Vibration Testing
- Impact (Bump) & Overspeed Testing
- Strain Gauge Testing & Analysis
- Modal Analysis Testing
- Vibration Analysis & FFT Spectrum Analysis
- Scaled Model Testing
- Custom/OEM Product Designs
START-UP SERVICES

Having the peace of mind that your fan is installed and operating properly prior to start-up is crucial. Aerovent can offer a wide range of start-up services and precision checks, including inlet and wheel operational clearances, torque verification, shaft alignment, balance and vibration testing. As part of our standard start-up services, Aerovent field personnel will conduct a variety of inspection checks to ensure the fan is ready for start-up — all the way from the foundation bolts to the lubrication of the fan.

☑ Fan Assembly Inspection
☑ Vibration Checks
☑ Coupling & Sheave Laser Alignment
☑ Installation Assistance

TURNKEY SERVICES

Keeping existing fans in service as systems change to suit environmental regulations, process enhancements, and energy consumption is an extremely important aspect of our business. We are proficient at applying our engineering experience to make the necessary modifications to existing equipment and can provide complete turnkey solutions for rebuilding and repairing fans in the field.

☑ Installation & Commissioning
☑ Motor Alignment
☑ Coupling Alignment
☑ Preventive Maintenance
☑ Fan Balancing
☑ Field Performance Testing
☑ Fan Retrofits
PROPELLER WALL FANS

Propeller Wall Fans are designed for cost effective, general ventilation. They are available in direct and belt driven models, with aluminum or steel propellers. Fixed or adjustable pitch models are offered to meet a variety of application requirements. Propeller Wall Fans are available in ring or panel construction as well as standard or reverse flow.

PROPELLER TYPES

- Fixed Pitch
- Adjustable Pitch
- Steel
- Aluminum
- Stainless Steel

TYPICAL INDUSTRIES/APPLICATIONS


COMMON ACCESSORIES

Mounting Adapters, OSHA Motor & Propeller Side Guards, Filter Boxes, Weatherhoods, Backdraft Dampers, Extended Lube Lines, Special Coatings, Disconnect Switches, Single Point Wiring

OPTIONAL CONSTRUCTION

- Marine Duty
- Composite
- Special Materials

CERTIFICATIONS

AMCA Sound/Air and FEG, UL 705 Listed for Electrical
**DDP**
Panel Fans, Direct Drive
- 9 to 72 inches (230 mm ~ 1,830 mm) propeller diameters
- Airflow to 98,000 CFM (166,500 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 168

**BP**
Panel Fans, Belt Driven
- 24 to 72 inches (610 mm ~ 1,830 mm) propeller diameters
- Airflow to 89,100 CFM (151,400 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 168

**DDR**
Ring Fans, Direct Drive
- 9 to 96 inches (230 mm ~ 2,440 mm) propeller diameters
- Airflow to 136,000 CFM (231,100 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 168

**BR**
Ring Fans, Belt Driven
- 24 to 96 inches (610 mm ~ 2,440 mm) propeller diameters
- Airflow to 131,100 CFM (222,700 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 168
AXIAL FANS

Tubaxial Fans are designed to handle a wide range of requirements from general ventilation to process air supply. The mounting flexibility makes it an ideal choice for many industrial and commercial applications. Units are available as direct or belt driven, with steel or aluminum wheels that are fixed or adjustable blade pitch.

Vaneaxial Fans are designed for applications where large volumes of air are required at moderate to high pressures. Direct and belt driven models, with fixed and adjustable blade wheels, are available. The tubular design and high wheel efficiency provides maximum performance while using minimal space.

PROPELLER TYPES & MATERIALS

<table>
<thead>
<tr>
<th>Fixed Pitch</th>
<th>Adjustable Pitch</th>
<th>Steel</th>
<th>Aluminum</th>
<th>Stainless Steel</th>
</tr>
</thead>
</table>

TYPICAL INDUSTRIES/APPLICATIONS


COMMON ACCESSORIES


OPTIONAL CONSTRUCTION

<table>
<thead>
<tr>
<th>Composite (see composite section)</th>
<th>High Temp</th>
<th>Marine Duty</th>
<th>Special Materials</th>
<th>Easy Access</th>
<th>Spark Resistant or ATEX</th>
<th>High Moisture</th>
</tr>
</thead>
</table>

CERTIFICATIONS

AMCA Sound/Air and FEG, UL 705 Listed for Electrical, UL Listed for Smoke Control Systems
**TA**
Tubeaxial Fan, Direct Drive
- 12 to 96 inches (305 mm ~ 2,440 mm) propeller diameters
- Airflow to 132,500 CFM (225,100 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 157

**TABD**
Tubeaxial Fan, Belt Driven
- 12 to 96 inches (305 mm ~ 2,440 mm) propeller diameters
- Airflow to 131,900 CFM (224,100 m³/hour)
- Static pressure to 1.5 inches w.g. (370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 157

**PTA / PTABD**
Type P Tubeaxial Fan, Direct Drive and Belt Driven
- 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
- Airflow to 96,000 CFM (163,100 m³/hour)
- Static pressure to 5 inches w.g. (1,240 Pa)
Catalog: 414

**TSBD**
Type S Tubeaxial Fan, Belt Driven (Steel Propeller)
- 12 to 54 inches (305 mm ~ 1,375 mm) propeller diameters
- Airflow to 80,000 CFM (135,900 m³/hour)
- Static pressure to 4 inches w.g. (1,000 Pa)
Catalog: 482

**BTABD**
Paint Booth Exhaust Tubeaxial Fan, Belt Driven
- 12 to 42 inches (305 mm ~ 1,070 mm) propeller diameters
- Airflow to 36,100 CFM (61,300 m³/hour)
- Static pressure to 1.25 inches w.g. (310 Pa)
- Short casing and self lubricating type bearings
Catalog: 159
**VJ**
Type J Vaneaxial Fan, Direct Drive
- 18 to 84 inches (460 mm ~ 2,135 mm) propeller diameters
- Airflow to 233,000 CFM (395,900 m³/hour)
- Static pressure to 6 inches w.g. (1,490 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
Catalog: 476

**VJBD**
Type J Vaneaxial Fan, Belt Driven
- 18 to 84 inches (460 mm ~ 2,135 mm) propeller diameters
- Airflow to 233,000 CFM (395,900 m³/hour)
- Static pressure to 6 inches w.g. (1,490 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
Catalog: 476

**VP**
Type P Vaneaxial Fan, Direct Drive
- 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
- Airflow to 100,000 CFM (169,900 m³/hour)
- Static pressure to 5.5 inches w.g. (1,370 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 414

**VPBD**
Type P Vaneaxial Fan, Belt Driven
- 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
- Airflow to 100,000 CFM (169,900 m³/hour)
- Static pressure to 7 inches w.g. (1,740 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 414

**VSBD**
Type S Vaneaxial Fan, Belt Driven (Steel Propeller)
- 12 to 54 inches (305 mm ~ 1,375 mm) propeller diameters
- Airflow to 80,000 CFM (135,900 m³/hour)
- Static pressure to 4 inches w.g. (990 Pa)
Catalog: 482
Axial Swingout & Clamshell Construction

Easy access for frequent cleaning

Axial Swingout Fans
Axial swingout fans are designed for frequent cleaning and allow easy access when servicing the unit or when conducting routine maintenance.

> **Full Swingout Fans:** Propeller shaft and bearings are mounted to the door providing easy access to all components outside of the airstream.

> **Single & Double Door Clamshell:** Large hinged access doors provide easy access to the fan components. Propeller shaft and bearings are mounted to the housing and stay in the airstream when the doors are opened.

> **Common Applications:** Paint Finishing Systems, Pulp/Paper Production, Heat Recovery Steam Generators, Potash Production, Slurry Prep Facilities, Steel and Aluminum Foundries
ROOF VENTILATORS

Roof Ventilators provide cost effective, general purpose ventilation of commercial buildings as well as a large variety of industrial applications. Belt and direct drive models are available with adjustable pitch cast aluminum propellers or fixed pitch propellers constructed of fabricated steel or cast aluminum to meet specific application requirements.

PROPELLER TYPES & MATERIALS

Fixed Pitch  Adjustable Pitch  Steel  Aluminum  Stainless Steel

TYPICAL INDUSTRIES/APPLICATIONS


COMMON ACCESSORIES


OPTIONAL CONSTRUCTION

Composite (see composite section)  High Temp  Special Materials  Easy Access  Spark Resistant or ATEX  High Moisture

CERTIFICATIONS

UL 705 Listed for Electrical, UL Listed for Smoke Control Systems, UL 762 Listed for Grease-Laden Air, OSHPD Seismic Certification per OSP-0395-10
D53
Model 53 Roof Ventilator, Direct Drive
> 12 to 72 inches (305 mm ~ 1,830 mm) propeller diameters
> Airflow to 85,500 CFM (145,300 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 625

B53
Model 53 Roof Ventilator, Belt Driven
> 24 to 72 inches (610 mm ~ 1,830 mm) propeller diameters
> Airflow to 91,900 CFM (156,100 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 625

BD40C
Roof Ventilator, Belt Driven
> 12 to 96 inches (305 mm ~ 2,440 mm) propeller diameters
> Airflow to 123,700 CFM (210,200 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 616

SV40
Smoke and Heat Removal Ventilator
> 24 to 60 inches (610 mm ~ 1,525 mm) propeller diameters
> Airflow to 51,400 CFM (87,300 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
Catalog: 653

AFE
Fume Hood Inline Exhaust Fan
> 10.5 to 54.25 inches (270 mm ~ 1,375 mm) wheel diameters
> Airflow to 70,000 CFM (118,900 m³/hour)
> Static pressure to 7 inches w.g. (1,740 Pa)
> UL 705 listed
Catalog: 390
ROOF VENTILATORS

HD53
Model 53 Hooded Roof Ventilator, Direct Drive
> 24 to 60 inches (610 mm ~ 1,525 mm) propeller diameters
> Airflow to 60,400 CFM (102,600 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> Available in exhaust or supply configurations
Catalog: 625

HB53
Model 53 Hooded Roof Ventilator, Belt Driven
> 24 to 60 inches (610 mm ~ 1,525 mm) propeller diameters
> Airflow to 58,900 CFM (100,100 m³/hour)
> Static pressure to 0.75 inches w.g. (190 Pa)
> Available in exhaust or supply configurations
Catalog: 625

TW / TWB / TWBD
Tu-Way Roof Ventilator
> 24 to 72 inches (610 mm ~ 1,830 mm) propeller diameters
> Airflow to 96,200 CFM (163,400 m³/hour)
> Static pressure to 0.5 inches w.g. (120 Pa)
> 100% Reversible: Supply & Exhaust Modes
Catalog: 615

RRES
Heat Saver/Ventilator, Stack Cap
> 24 to 60 inches (610 mm ~ 1,525 mm) propeller diameters
> Airflow to 62,100 CFM (105,500 m³/hour)
> Static pressure to 0.375 inches w.g. (90 Pa)
> Exhaust & Recirculation Modes
Catalog: 673

RREH
Three-Way Heat Saver/Ventilator, Hooded
> 24 to 60 inches (610 mm ~ 1,525 mm) propeller diameters
> Airflow to 60,700 CFM (103,100 m³/hour)
> Static pressure to 0.375 inches w.g. (90 Pa)
> Supply, Exhaust, & Recirculation Modes
Catalog: 673
ACXD / ACX
Centrifugal Roof Ventilators, Direct Drive and Belt Driven
> 8 to 49.21 inches (205 mm ~ 1,250 mm) wheel diameters
> Airflow to 28,700 CFM (48,800 m³/hour)
> Static pressure to 3.25 inch w.g. (810 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade (ACX)
> AMCA licensed for Sound and Air (ACXD)
> UL 705 listed
Catalog: 102

ATD / ATDR / ATB / ATBR
Centrifugal Roof Ventilators, Upblast, Direct Drive and Belt Driven
> 8.38 to 49.21 inches (215 mm ~ 1,250 mm) wheel diameters
> Airflow to 29,100 CFM (49,400 m³/hour)
> Static pressure to 3.25 inches w.g. (810 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
> UL 705 listed (ATD / ATB)
> UL 762 listed for grease-laden air (ATDR / ATBR)
Catalog: 102

ATDW / ATDWR / AWX / AWXR
Centrifugal Wall Ventilators, Direct Drive and Belt Driven
> 8.38 to 31.5 inches (215 mm ~ 800 mm) wheel diameters
> Airflow to 11,600 CFM (19,700 m³/hour)
> Static pressure to 3.25 inches w.g. (810 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
> UL 705 listed (ATDW / AWX)
> UL 762 listed for grease-laden air (ATDWR / AWXR)
> OSHPD Seismic Certification per OSP-0395-10
Catalog: 102
INLINE CENTRIFUGAL & MIXED FLOW FANS

Inline Centrifugal and Mixed Flow Fans are designed for general ventilation and industrial applications where large volumes of clean air are required at low to moderate pressures. Inline centrifugal and mixed flow fans provide the performance of a centrifugal fan with the space saving advantages of an axial-type fan. With a variety of designs to choose from, these fans offer the flexibility to meet the performance and application requirements at very high efficiencies.

WHEEL TYPES
Backward Inclined, Backward Inclined Airfoil, Airfoil Mixed Flow

TYPICAL INDUSTRIES/APPLICATIONS
General Ventilation (exhaust, filtration, return and supply, air of commercial buildings), Air Pollution Control, Automotive, Chemical, Fertilizer, Food & Beverage, Laboratory Exhaust, Metal & Mineral Processing, and Water & Wastewater Treatment, Data Center Exhaust, General Ventilation, Odor Control, Paint Booth Exhaust

COMMON ACCESSORIES

OPTIONAL CONSTRUCTION

Composite (see composite section)  High Temp  Special Materials  Easy Access  Spark Resistant or ATEX

CERTIFICATIONS
AMCA Sound/Air and FEG, UL 705 Listed for Electrical, UL 762 Listed for Grease-Laden Air, UL Listed for Smoke Control Systems, OSHPD Seismic Certification per OSP-0271-10
**AMX / AMXR / AMXSH**
Mixed Flow Fans
> 18.25 to 89 inches (465 mm ~ 2,260 mm) wheel diameters
> Airflow to 160,000 CFM (271,800 m³/hour)
> Static pressure to 8 inches w.g. (1,990 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
> UL 705 listed (AMX)
> UL 762 listed for grease-laden air (AMXR)
> UL listed for smoke control systems (AMXSH)
> OSHPD Seismic Certification per OSP-0271-10
Catalog: 330

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**CDD**
Centaxial Fan, BIA Wheel, Direct Drive
> 12.4 to 44.09 inches (315 mm ~ 1,120 mm) wheel diameters
> Airflow to 50,600 CFM (86,000 m³/hour)
> Static pressure to 7 inches w.g. (1,740 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
Catalog: 337

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**CBD**
Centaxial Fan, BIA Wheel, Belt Driven
> 12.4 to 70.88 inches (315 mm ~ 1,800 mm) wheel diameters
> Airflow to 130,600 CFM (221,900 m³/hour)
> Static pressure to 14 inches w.g. (3,480 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
Catalog: 337

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**SCDD / SCBD**
Square Inline Centrifugal Fans, Direct Drive and Belt Driven
> 8 to 40 inches (205 mm ~ 1,020 mm) wheel diameters
> Airflow to 27,400 CFM (46,600 m³/hour)
> Static pressure to 3.5 inches w.g. (870 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
> UL 705 listed
Catalog: 340
CENTRIFUGAL FANS

Centrifugal Fans are designed for a wide range of air volumes and pressures. With backward inclined, backward curved, backward inclined airfoil and forward curved wheel types, centrifugal fans offer the flexibility to match the performance and application at the highest efficiency. Most models are available in single-wide or double-wide configurations that allow for even higher volumes of air.

WHEEL TYPES
Single Thickness Backward Inclined, Backward Curved, Forward Curved, Airfoil

TYPICAL INDUSTRIES/APPLICATIONS
General HVAC (exhaust, filtration, return and supply, air of commercial buildings), Automotive, Fertilizer, Metal & Mineral Processing, Pulp & Paper, Petrochemical, Pharmaceutical, Power, Water & Wastewater Treatment

COMMON ACCESSORIES
Access Door, Drain, Flanged Inlet/Outlet, Companion Flanges, Inlet/Outlet Screens, Shaft Guard, Bearing Guard, Belt Guard, Shaft Seal, Lube Lines, Piezometer Ring, Split Housing, Insulation Pins, Steel Wall or Aluminum Clad Insulated Housing, Inlet Box, Inlet & Outlet Dampers, External or Nested Inlet Vanes

OPTIONAL CONSTRUCTION

CERTIFICATIONS
AMCA Sound/Air and FEG, UL 705 Listed for Electrical, OSHPD Seismic Certification per OSP-0195-10, OSHPD Seismic Certification per OSP-0355-10
**CB-SW**
Flat-Blade Backward Inclined Centrifugal Fan, SWSI
- 12.25 to 98.25 inches (315 mm ~ 2,495 mm) wheel diameters
- Airflow to 277,500 CFM (471,500 m³/hour)
- Static pressure to 20 inches w.g. (4,970 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- OSHPD Seismic Certification per OSP-0355-10
Catalog: 720

**CB-DW**
Flat-Blade Backward Inclined Centrifugal Fan, DWDI
- 12.25 to 89 inches (315 mm ~ 2,260 mm) wheel diameters
- Airflow to 344,300 CFM (585,000 m³/hour)
- Static pressure to 14 inches w.g. (3,480 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- OSHPD Seismic Certification per OSP-0355-10
Catalog: 720

**CAE-SW**
Airfoil Centrifugal Fan, SWSI
- 12.25 to 98.25 inches (315 mm ~ 2,495 mm) wheel diameters
- Airflow to 233,100 CFM (396,000 m³/hour)
- Static pressure to 20 inches w.g. (4,970 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- UL 705 listed
- OSHPD Seismic Certification per OSP-0355-10
Catalog: 725

**CAE-DW**
Airfoil Centrifugal Fan, DWDI
- 12.25 to 89 inches (315 mm ~ 2,260 mm) wheel diameters
- Airflow to 419,500 CFM (712,700 m³/hour)
- Static pressure to 14 inches w.g. (3,480 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- UL 705 listed
- OSHPD Seismic Certification per OSP-0355-10
Catalog: 725
**BAUB**
Airfoil Utility Set
- 12.25 to 36.5 inches (315 mm ~ 930 mm) wheel diameters
- Airflow to 32,100 CFM (54,500 m³/hour)
- Static pressure to 8 inches w.g. (1,990 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- OSHPD Seismic Certification per OSP-0195-10
Catalog: 760

**BIUB / BIUBR / BIUBSH**
Backward Inclined Utility Sets
- 10.5 to 60 inches (270 mm ~ 1,525 mm) wheel diameters
- Airflow to 78,660 CFM (133,600 m³/hour)
- Static pressure to 8 inches w.g. (1,990 Pa)
- AMCA licensed for Sound, Air and Fan Efficiency Grade
- UL 705 listed (BIUB)
- UL 762 listed for grease-laden air (BIUBR)
- UL listed for smoke control systems (BIUBSH)
- OSHPD Seismic Certification per OSP-0195-10
Catalog: 760

**FCUB**
Forward Curved Utility Set
- 7.5 to 36.5 inches (195 mm ~ 930 mm) wheel diameters
- Airflow to 29,100 CFM (49,400 m³/hour)
- Static pressure to 5 inches w.g. (1,240 Pa)
- AMCA licensed for Air and Fan Efficiency Grade
Catalog: 760

**DFC**
Forward Curved Junior Utility Sets
- 6 to 10.5 inches (155 mm ~ 270 mm) wheel diameters
- Airflow to 2,100 CFM (3,600 m³/hour)
- Static pressure to 1.75 inches w.g. (440 Pa)
Catalog: 760
Centrifugal and Radial Bladed Swingout Construction

Easy access for frequent cleaning

Swingout Fans
Swingout fans are designed for frequent cleaning and provide full access to the wheel and inner casing of the fan. The entire wheel/shaft/bearing assembly is mounted on a large swingout door for easy access when servicing the unit or when conducting routine maintenance.

> Available on Centrifugal and Radial Bladed fan models
> Common applications include: Paint Finishing Systems, Plastic Extrusion, Paper Mills, Dust Collection
RADIAL BLADED FANS

Radial Bladed Fans provide a solution for a wide range of industrial applications. The heavy gauge, all-welded construction has earned it the reputation of being the “workhorse” of the industry — a design proven by years of service handling dirty, abrasive, sticky or bulky particulate laden airstreams. With multiple sizes and materials available there is a fan available to meet the applications needs.

WHEEL TYPES
Fabricated Paddle Wheels, Wool Wheels with Backplate & Heavy Gusseted Bulk Material Handling Wheels, Fiberglass, Cast Aluminum Radial or Backward Curved

TYPICAL INDUSTRIES/APPLICATIONS

COMMON ACCESSORIES
Access Door, Belt Guards, Drain, Inlet/Outlet Companion Flange, Inlet/Outlet Damper, Inlet Filter, Inlet/Outlet Flange, Inlet/Outlet Screen, Inlet/Outlet Silencer, Shaft & Bearing Guard, Shaft Seal, Split Housing, Vibration Isolation, Special Coatings, Insulated Housings

OPTIONAL CONSTRUCTION

CERTIFICATIONS
AMCA Air and FEG
MHA
Industrial Radial Blade Fan, Air Handling Wheel
> 8.75 to 104.25 inches (225 mm ~ 2,650 mm) wheel diameters
> Airflow to 141,800 CFM (240,900 m³/hour)
> Static pressure to 32 inches w.g. (7,960 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 710

MHO / MHR
Industrial Radial Blade Fan, Paddle Wheel
> 8.75 to 104.25 inches (225 mm ~ 2,650 mm) wheel diameters
> Airflow to 141,800 CFM (240,900 m³/hour)
> Static pressure to 32 inches w.g. (7,960 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 710

MHW
Industrial Radial Blade Fan, Backplate Wool Wheel
> 8.75 to 104.25 inches (225 mm ~ 2,650 mm) wheel diameters
> Airflow to 141,800 CFM (240,900 m³/hour)
> Static pressure to 32 inches w.g. (7,960 Pa)
> AMCA licensed for Air and Fan Efficiency Grade
Catalog: 710

MHP
Industrial Radial Blade Fan, Paper Handling Wheel
> 19 to 45 inches (485 mm ~ 1,145 mm) wheel diameters
> Airflow to 26,500 CFM (45,000 m³/hour)
> Static pressure to 32 inches w.g. (7,960 Pa)
Catalog: 710
PRESSURE BLOWERS

PRESSURE BLOWERS
Pressure Blowers are ideal for applications requiring high pressures at relatively low volumes of air. Pressure blower performance will remain stable through the operating range and can be turned down to zero flow via a discharge damper. Aerovent offers a wide range of fan types and sizes to meet clean or particulate laden airstream applications.

WHEEL TYPES
Backward Curved, Backward Inclined & Radial Fabricated Wheels in Open or Shrouded Designs, Composite, Cast Aluminum Radial or Backward Curved

TYPICAL INDUSTRIES/APPLICATIONS

COMMON ACCESSORIES
Access Doors, Belt Guards, Drains, Evasé, Inlet Bell, Inlet Boxes, Inlet/Outlet Companion Flanges, Inlet/Outlet Dampers, Inlet Filters, Inlet/Outlet Flanges, Inlet/Outlet Screens, Inlet/Outlet Silencers, Outlet Blast Gates, Shaft & Bearing Guards, Shaft Seals, Vibration Isolation, Special Coatings and Insulated Housings

OPTIONAL CONSTRUCTION

- Composite (see composite section)
- High Temp
- Special Materials
- Marine Duty
- Spark Resistant or ATEX
- Nominally Leak Tight
CA / CABD
Cast Aluminum Pressure Blower, Direct Drive and Belt Driven
> 8 to 18 inch Housing Sizes (205 mm ~ 460 mm)
> 4 to 10 inch Inlet Diameters (105 mm ~ 255 mm)
> 8 to 18 inches (205 mm ~ 460 mm) wheel diameters
> Airflow to 2,800 CFM (4,800 m$^3$/hour)
> Static pressure to 22 inches w.g. (5,470 Pa)
Catalog: 916

HPBA / HPBS
Turbo Pressure Blower, Aluminum and Steel Wheel
> 14.5 to 38 inches (370 mm to 965 mm) wheel diameters
> Airflow to 20,000 CFM (34,000 m$^3$/hour)
> Static pressure to 128 inches w.g. (31,820 Pa)
Catalog: 914

PB
Pressure Blower, Radial Blade
> 8 to 12 inches (205 mm ~ 305 mm) wheel diameters
> Airflow to 1,275 CFM (2,200 m$^3$/hour)
> Static pressure to 10 inches w.g. (2,490 Pa)
Catalog: 904
PLUG AND PLENUM FANS

Plenum Fans are designed for general HVAC applications where large volumes of clean air are required at low to moderate pressures. Backward inclined airfoil wheels provide high efficiency, performance and sound characteristics needed for the most stringent HVAC applications. Housed or open designs as well as belt or direct drive, plenum fans provide the flexibility to match the performance and application at the highest efficiency. Plug Fans offer great versatility for complex system configurations. Equipped with a gusseted mounting panel, they are mounted directly to the plenum wall separating the motor and drive components from the process air. Plug fans provide high efficiency recirculation air with the benefit of easy installation and removal.

WHEEL TYPES
Backward Inclined Airfoil (9-blade or 12-blade), Flat-Bladed Backward Curved

TYPICAL INDUSTRIES/APPLICATIONS
Air Curtains, Automotive, Dyers, Freezers, High Temperature, Industrial Cooling and Ovens, Kilns, Process Applications, Product Cooling, Recirculation, Air Heaters, Ceiling, Wall and Floor Panel Plenums, Degreasers, Dryers, Dust Collectors, Evaporators, Packaged Air Handlers, Parts Washers, Penthouses, Smoke Houses, Space Heaters, Spray Booths and other High Temperature Applications, Air-Conditioning/Heating Units, Air-Make-Up Units, Clean-Room Filtration Systems, Supply Air Systems, General HVAC (exhaust, filtration, return and supply, air of commercial buildings and air handling units)

COMMON ACCESSORIES
Belt Guards, Bearing Guards, Extended Lube Lines, Forklift Lifting Tubes, Integral Inlet Cone, Insulated Plug, Shaft Cooler (Slinger), Variable Inlet Vanes, Housings, Inlet/Outlet Screen, Piezometer Ring Airflow Measurement System, Pressure Transducers, Protective Enclosure, Special Coatings, Vibration Isolation, Aero Acoustic Diffuser™

OPTIONAL CONSTRUCTION

High Temp Special Materials Spark Resistant or ATEX

CERTIFICATIONS
AMCA Sound/Air and FEG, OSHPD Seismic Certification per OSP-0355-10
**CPG**
High Efficiency Plug Fan, Backward Curved
- > 12.4 to 49.21 inches (315 mm ~ 1,250 mm) wheel diameters
- > Airflow to 76,000 CFM (129,100 m³/hour)
- > Static pressure to 12 inches w.g. (2,980 Pa)
Catalog: 755

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**CPLF / CPLFN**
Plenum Fan, Airfoil Wheel, 9-Blades
- > 12.4 to 89 inches (315 mm ~ 2,265 mm) wheel diameters
- > Airflow to 280,000 CFM (475,700 m³/hour)
- > Static pressure to 10 inches w.g. (2,490 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > OSHPD Seismic Certification per OSP-0355-10
Catalog: 735

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**CPLQ / CPLQN**
Plenum Fan, Airfoil Wheel, 12-Blades
- > 12.4 to 89 inches (315 mm ~ 2,265 mm) wheel diameters
- > Airflow to 280,000 CFM (475,700 m³/hour)
- > Static pressure to 12 inches w.g. (2,980 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > OSHPD Seismic Certification per OSP-0355-10
Catalog: 735
FIBERGLASS FANS
Fiberglass Fans are specifically designed for the exhaust of moisture-laden, corrosive, or chemically contaminated air. All fans feature molded fiberglass housings that are virtually impossible to dent, crack or break. FRP offers a more economical solution compared to stainless steel or other exotic alloys. Multiple wheel types and materials are available to meet any corrosive process requirements while maintaining quiet operation and high efficiency.

WHEEL/PROPELLER TYPES
Single Thickness Backward Inclined, Airfoil, Open Radial, Axial, Propeller

TYPICAL INDUSTRIES

COMMON ACCESSORIES
OSHA Belt Guards, Shaft and Bearing Guards, Inlet and Outlet Guards, Weather Covers, Shaft Seals, Access Doors, Inspection Doors, Cleanout Doors, Housing Drains, Flanged Inlets and Outlets, Dampers and Shutters, Unitary Bases

OPTIONAL CONSTRUCTION
Static Grounding, ASTM D4167 Construction, Stainless Steel Fan Shaft, Synthetic Surface Veil, Fire Retardant Resin, Vinyl Ester
**BCF**
Backward Curved High Pressure Composite Fan

- >16.5 to 60 inches (420 mm ~ 1,525 mm) wheel diameters
- >Airflow to 145,000 CFM (246,400 m³/hour)
- >Static pressure to 34 inches w.g. (8,450 Pa)
- >AMCA licensed for Sound, Air and Fan Efficiency Grade

Catalog: 745

**PATENTED SAFETY CONTAINMENT HOUSINGS**

Many of today’s processes incorporate chemical components that are not compatible with ferrous metal with quality coatings or high-nickel, white metals, like stainless steel and Monel. Over time these chemicals will break down even the toughest composite (FRP) materials. Many chemicals contain fluorine. Acids such as Hydrofluosilicic or Hydrofluoric are two such examples. In addition, depending on concentration, temperature and state (gas or liquid), some relatively innocuous chemicals can break down metals and over time even FRP.

For applications with highly corrosive chemicals and where safety of the operating personnel and the surrounding equipment is the highest concern, Aerovent has developed FRP housings for the BCF fan designed to contain the propeller in the event of a catastrophic failure. With some of the fans operating with tip-speeds over 25,000 feet per minute, propeller components can become missiles destroying standard FRP and metallic housings. The design is not meant to be indestructible, but to contain any parts from penetrating the housing wall.

**PATENTED CARBON FIBER WHEEL DESIGN**

Aerovent’s BCF fan is available with a carbon fiber wheel in lieu of traditional fiberglass. Designated by the fan class (CF = carbon fiber; FG = fiberglass), the material change allows the BCF to reach RPM limits well beyond the limits of the traditional fiberglass. This higher limit translates into a fan able to reach pressures up to 34” w.g.

In addition to the higher pressure capability, the lighter carbon fiber wheel allows for lower weight and moment of inertia (WR²). This allows for less stress on the motor and drive package (belt driven).
**FIBERGLASS FANS**

**RBF**
Fiberglass Radial Blade Centrifugal Fan
- > 10 to 57 inches (255 mm ~ 1,450 mm) wheel diameters
- > Airflow to 38,300 CFM (65,100 m³/hour)
- > Static pressure to 18 inches w.g. (4,480 Pa)
- > AMCA licensed for Air and Fan Efficiency Grade
Catalog: 750

**HPBF**
Fiberglass High Pressure Blower, Radial Blade
- > 18 to 28 inches (460 mm ~ 715 mm) wheel diameters
- > Airflow to 4,700 CFM (8,000 m³/hour)
- > Static pressure to 36 inches w.g. (8,950 Pa)
Catalog: 950

**CBDF**
Fiberglass Inline Centrifugal Fan
- > 12 to 39 inches (305 mm ~ 990 mm) wheel diameters
- > Airflow to 35,900 CFM (61,000 m³/hour)
- > Static pressure to 7 inches w.g. (1,740 Pa)
Catalog: 360

**VTFBD**
Fiberglass Type TF Vaneaxial Fan, Belt Driven
- > 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
- > Airflow to 81,200 CFM (138,000 m³/hour)
- > Static pressure to 4 inches w.g. (1,000 Pa)
Catalog: 185
FDP
Fiberglass Panel Fan, Direct Drive
> 12 to 48 inches (305 mm ~ 1,220 mm) propeller diameters
> Airflow to 41,900 CFM (71,200 m³/hour)
> Static pressure to 1 inch w.g. (250 Pa)
Catalog: 185

TFBD
Fiberglass Type TF Tubeaxial Fan, Belt Driven
> 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
> Airflow to 83,200 CFM (141,400 m³/hour)
> Static pressure to 2.5 inches w.g. (620 Pa)
Catalog: 185

FBD
Fiberglass Type FG7 Tubeaxial Fan, Belt Driven
> 14 to 60 inches (355 mm ~ 1,525 mm) propeller diameters
> Airflow to 51,900 CFM (88,200 m³/hour)
> Static pressure to 1.5 inches w.g. (370 Pa)
Catalog: 185

FRV
Fiberglass Tubeaxial Roof Ventilator
> 14 to 60 inches (355 mm ~ 1,525 mm) propeller diameters
> Airflow to 50,800 CFM (86,300 m³/hour)
> Static pressure to 1.5 inches w.g. (370 Pa)
Catalog: 185
**AFA / AFAB**
Fiberglass Downblast Centrifugal Roof Ventilators, Direct Drive and Belt Driven
- 7 to 40 inches (180 mm ~ 1,020 mm) wheel diameters
- Airflow to 19,500 CFM (33,100 m³/hour)
- Static pressure to 1.75 inch w.g. (440 Pa)
Catalog: 977

**AWA / AWAB**
Fiberglass Upblast Centrifugal Roof Ventilators, Direct Drive and Belt Driven
- 7 to 40 inches (180 mm ~ 1,020 mm) wheel diameters
- Airflow to 21,500 CFM (36,500 m³/hour)
- Static pressure to 2 inches w.g. (500 Pa)
Catalog: 977

**ASA**
Fiberglass Centrifugal Wall Ventilator, Direct Drive
- 7 to 14 inches (180 mm ~ 360 mm) wheel diameters
- Airflow to 2,230 CFM (3,800 m³/hour)
- Static pressure to 1 inch w.g. (250 Pa)
Catalog: 977

**AHA / AHAB**
Fiberglass Centrifugal Wall Ventilators, Direct Drive and Belt Driven
- 7 to 30 inches (180 mm ~ 765 mm) wheel diameters
- Airflow to 9,820 CFM (16,700 m³/hour)
- Static pressure to 1 inch w.g. (250 Pa)
Catalog: 977
FILTERED SUPPLY FANS

Filtered Supply Fans are axial fans with cast or adjustable pitch aluminum propellers. These units are designed to provide filtered outside air to buildings such as manufacturing plants, warehouses and auditoriums. Filtered Supply Fans are also available in stainless steel and other special materials.

COMMON ACCESSORIES
Access Doors, Weatherhoods, Motor Operated Dampers, Special Coatings, Throw Away Or Washable Filters, Inlet & Outlet Guards, Directional Discharge Box With Grilles, Roof Curbs, Externally Mounted Conduit Boxes and Extended Lube Lines

**FF**
Filter Fan, Wall Mounted
- 12 to 30 inches (305 mm – 765 mm) propeller diameters
- Airflow to 5,370 CFM (9,100 m³/hour)
- Static pressure to 0.5 inches w.g. (120 Pa)
Catalog: 664

**FSWD / FSWB**
Filtered Air Supply Fan, Wall Mounted
- 24 to 60 inches (610 mm – 1,525 mm) propeller diameters
- Airflow to 52,600 CFM (89,400 m³/hour)
- Static pressure to 1 inch w.g. (250 Pa)
Catalog: 664

**FSR**
Filtered Air Supply Fan, Roof Mounted
- 24 to 60 inches (610 mm – 1,525 mm) propeller diameters
- Airflow to 49,300 CFM (83,800 m³/hour)
- Static pressure to 0.75 inches w.g. (190 Pa)
Catalog: 664
AIR MAKE-UP UNITS

The Aerovent Air Make-Up Unit is a complete air supply system in a self-contained package with fan, burner and controls. The unit is ready for connection to the gas line and power source.

These units are available in various sizes and types which can be designed into nearly all industrial requirements. The equipment is designed for tempering outside air and supplying it into the building for ventilation make-up and balancing of negative pressure. The units are also adaptable to other applications where ordinary heating or drying operations are involved. Available with centrifugal and axial fans.

TYPICAL INDUSTRIES/APPLICATIONS

COMMON ACCESSORIES
V-Bank Filter Sections, Intake Hood with Birdscreen, Mild Weather Thermostat, Flame Relay Remote Reset

OPTIONAL CONSTRUCTION
Double Wall Insulation, Curb Mount Construction, Vertical Construction, IRI & FM Pipetrain Options

CERTIFICATIONS (Models BIBT/FCBT)
ETL Approved, Built to ANSI Z83.4 Standards, AMCA 210 Fan & Blower Performance Tested, FM & IRI Insurance Standards as Required
**BIBT / FCBT**  
Direct-Fired Gas Air Make-Up Units  
- 14-gauge galvanized steel housing.  
- Peaked roof eliminates standing water.  
- 0°- 92° temperature rise. Dual fuel burner.  
- Factory assembled and tested. Remote operating station.  
Catalog: 872

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**GA / GAS / GACDW / GACSW**  
Gas-Fired Air Make-Up Units  
- Capacities to 100,000 CFM (169,900 m³/hour)  
- Capacities to 10,000,000 Btu/hr  
- External static pressure to 5 inches w.g. (1,243 Pa)  
Catalog: 864

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**S / SACDW / SACSW**  
Steam-Air Make-Up Units  
- Capacities to 60,000 CFM (101,900 m³/hour)  
- Capacities to 5,000,000 Btu/hr  
Catalog: 856

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**NDH / PDH**  
Gas Door Air Heaters  
- 6,200 CFM unit has outlet velocity of 3,500 FPM  
- 4,100 CFM unit has outlet velocity of 2,300 FPM  
Catalog: 896

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**AC**  
Spray Type Air Cooler  
Catalog: 1103
ORIGINAL EQUIPMENT MANUFACTURER (OEM) PRODUCTS
Aerovent has been custom designing products for our OEM customer base for decades. OEMs require specially engineered products to meet specific demands for size, fit-up, efficiency, sound and durability. Aerovent is able to provide the right fan for every application and modify as needed for the specific installation. By leveraging our expansive engineering and application expertise, we have become experts at tackling the most technically complex and unique applications. This often involves evaluating existing fan technology and, in many cases, requires us to redesign and prototype a fully-customized fan solution.

Aerovent has worked side-by-side with the most prevalent companies in the world and has earned a reputation for turning ideas into innovative solutions. Our individualized efforts to satisfy the specific needs of our customers is yet another way that we continue to distinguish ourselves in the market.

COMMON OEM APPLICATIONS
**AHX**
Adjustable Pitch Propeller
> 54 to 144 inches (1,375 mm ~ 3,660 mm) propeller diameters
> Airflow to 328,600 CFM (558,300 m³/hour)
> Static pressure to 1.5 inches w.g. (370 Pa)
Catalog: 524

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**AHX-E**
Adjustable Pitch 'E' Propeller
> 14 to 48 inches (355 mm ~ 1,220 mm) propeller diameters
> Airflow to 50,000 CFM (85,000 m³/hour)
> Static pressure to 2.5 inches w.g. (620 Pa)
Catalog: 524

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**BSA / BSP**
BackSwept™ Propeller
> 12 to 81 inches (305 mm ~ 2,060 mm) propeller diameters
> Airflow to 140,000 CFM (237,900 m³/hour)
> Static pressure to 2 inches w.g. (500 Pa)
Catalog: 567

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**CPLF / CPLFN / CPLQ / CPLQN**
Plenum Fans, Airfoil Wheel: 9-Blade and 12-Blade Designs
> 12.4 to 89 inches (315 mm ~ 2,265 mm) wheel diameters
> Airflow to 280,000 CFM (475,700 m³/hour)
> Static pressure to 12 inches w.g. (2,980 Pa)
> AMCA licensed for Sound, Air and Fan Efficiency Grade
> OSHPD Seismic Certification per OSP-0355-10
Catalog: 735

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**CPG**
High Efficiency Plug Fan, Backward Curved
> 12.4 to 49.21 inches (315 mm ~ 1,250 mm) wheel diameters
> Airflow to 76,000 CFM (129,100 m³/hour)
> Static pressure to 12 inches w.g. (2,980 Pa)
Catalog: 755
MANCOOLERS

Mancoolers are constructed of high quality axial fans with cast or adjustable pitch aluminum propellers and are designed for general unducted air movement. Swivel bases allow for a full 360° rotation, providing airflow from any angle. The stationary units can be adjusted for airflow in any direction and are manufactured with a predrilled base plate for wall, column, ceiling or floor mounting. Mancoolers are also available in stainless steel and other special materials.

COMMON ACCESSORIES
OSHA Inlet & Outlet Guards, Swivel & Locking Wheels, Lifting Eyes and Special Coatings

UM / PUM
Utility Mancooler
> 16 to 42 inches (410 mm ~ 1,070 mm) propeller diameters
> Airflow to 36,500 CFM (62,000 m³/hour)
Catalog: 264

M39
Model 39 Mancooler
> 24 to 42 inches (610 mm ~ 1,070 mm) propeller diameters
> Airflow to 36,500 CFM (62,000 m³/hour)
Catalog: 264

STL
Steeeler Mancooler
> 24 to 48 inches (610 mm ~ 1,220 mm) propeller diameters
> Airflow to 46,900 CFM (79,700 m³/hour)
Catalog: 264
GridSmart™ VFDs
Aerovent is proud to offer our new line of GridSmart™ Variable Frequency Drives (VFD). GridSmart™ VFDs are an ideal solution for our customers who are looking to reduce their energy consumption while complying with the Department of Energy’s new fan regulations.

GridSmart™ VFDs are a versatile drive product that can be easily configured for almost any application involving fans and blowers. They come standard with simple-to-select preset parameters for common fan applications.

While the average energy savings varies from system to system, the initial cost of a GridSmart™ VFD will quickly pay for itself — resulting in reduced operating costs and maintenance over the life of your fan and motor.

Benefits of GridSmart™ VFDs Include:
> Reduces energy consumption and operating costs
> Optimizes motor operation to match the requirements of the system
> Allows equipment to operate at lower speeds, extending the life of the equipment and reducing maintenance
> Eliminates the need for dampers, inlet vanes and soft starters
> Eliminates the need for belt driven fans and maintaining belts and bearings

Model F510
• 5-150 HP (230V)
• 5-250 HP (460V)

Model L510
• 1/4-1 HP (115V)
• 1/4-3 HP (230V)
• 1-3 HP (460V)
Weatherproof Silencer
For outdoor vertical up airflow applications

- Weatherproof sound attenuation device (Patent No. US 6,457,550 B1)
- One-piece construction combines silencer and backdraft damper
- Unitary construction reduces field installation time and cost. Less labor required for assembly/erection onto fan tower
- Unique design allows rainwater to drain through slots to exterior of unit
- Overall length is less than traditional silencer/damper

Spare Parts
For Process Critical Applications

Customers often require an additional supply of spare parts for process critical applications. Having the ability to quickly replace parts is vital for keeping operations up and running. When specified, Aerovent can provide additional spare parts that are crated/packaged for easy storage. Common spare parts typically include:

- Belts
- Bearings
- Wheels
- Shafts
- Shaft Seals
- Safety Guards
Floor Spring Isolators

Floor RIS Isolators

Ceiling Hung Spring Isolators

Ceiling Hung RIS Isolators
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