

FULL LINE CATALOG





AEROVENT

WHO WE ARE



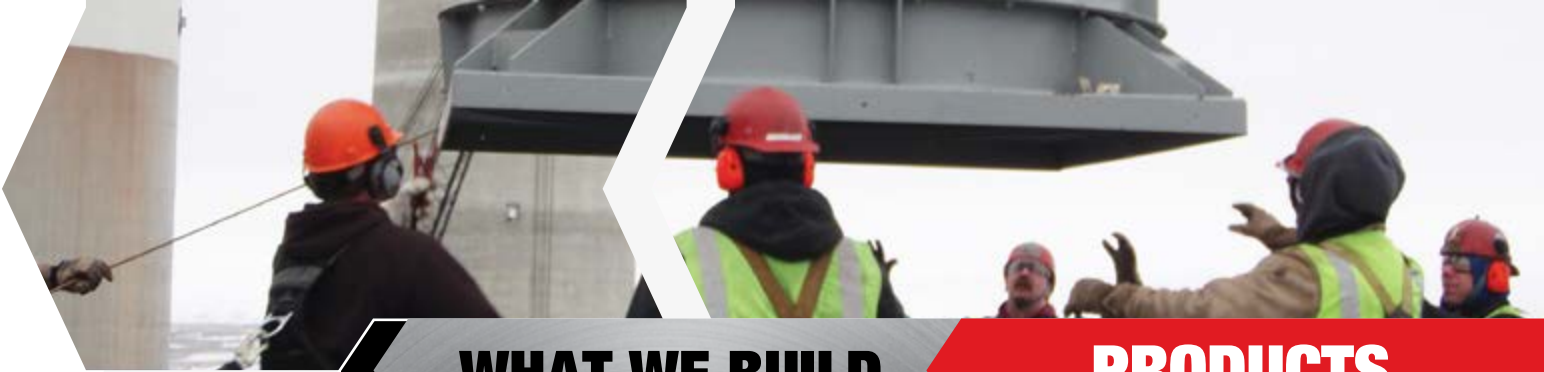
High Quality Standard Products & Fully Customized Fan Solutions

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**
- > **Automotive**
- > **Foundry**
- > **Pharmaceutical**
- > **Mining**
- > **Paint Finishing Systems**
- > **Power Generation**
- > **Hazardous Locations (UL or ATEX)**
- > **Agricultural**
- > **Snow Making**
- > **Marine**
- > **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

PRODUCTS

Propeller Wall Fans	8-9
Axial Fans	10-13
Roof Ventilators	14-17
Inline Centrifugal & Mixed Flow Fans	18-19
Centrifugal Fans	20-23
Radial Bladed Fans	24-25
Pressure Blowers	26-27
Plug & Plenum Fans	28-29
Fiberglass Fans	30-34
Filtered Supply Fans	35
Air Make-Up Units	36-37
OEM Products	38-39
Mancoolers	40
GridSmart™ Variable Frequency Drives	41
Weatherproof Silencers/Spare Parts	42
Vibration Isolation	43
Quick Reference	44-47



AEROVENT

INDUSTRIAL VENTILATION SYSTEMS

The Industrial Choice.



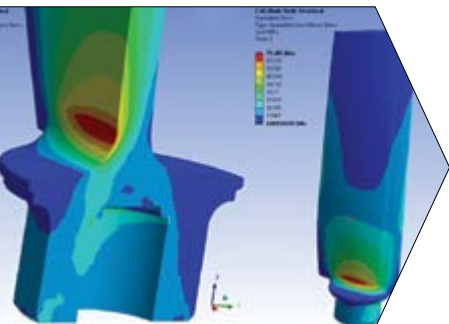
ENGINEERING

EXPERTISE

> LEADING EDGE ENGINEERING

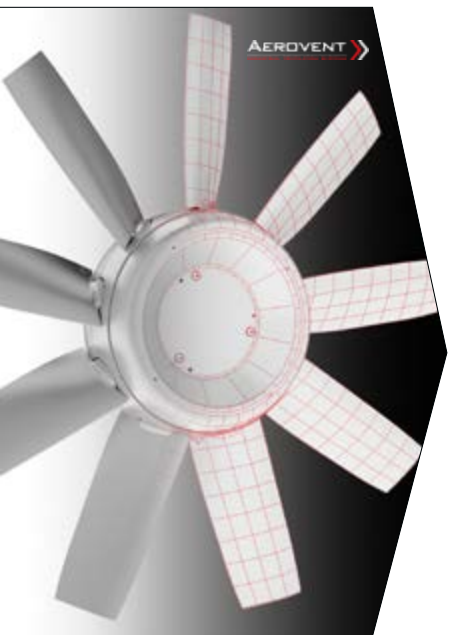
Aerovent's engineering and application expertise is one of the many aspects that sets us apart from all the others. Our engineering group has earned a strong reputation for quickly responding to the needs of our customers. This often involves evaluating our customer's existing fan technology and, in 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

- ☑ 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



3D Modeling





HIGH QUALITY

MANUFACTURING

> 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



Plasma Cutter



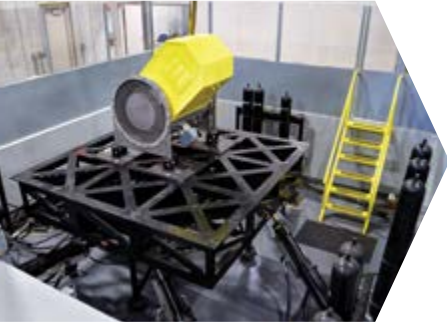
Cast Solid Propellers



Powder Coat Paint System

TESTING SERVICES

IN-HOUSE



Seismic testing for fans up to 10,000 lbs



AMCA 210 Air Performance Testing



AMCA Accredited Reverberant Sound Room

› STATE-OF-THE-ART TEST LAB

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

**Fan Assembly Inspection****Installation & Commissioning****Coupling Alignment**



PROPELLER WALL FANS



Warehouse Exhaust



Mine Ventilation



Generator Room Exhaust

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

Agriculture, Air Pollution Control, Arenas, Automotive, Boilers, Brick, Car Wash, Commercial Plan & Spec, Composting, Ethanol, Food & Beverage, Foundry, General Manufacturing, Glass, Heat Exchangers, HVAC, Industrial Processes, Institutional & Hospitality, Metal & Minerals, Mining, OEM, Petrochemical, Power Generation, Pulp & Paper, Raw Product Storage, Recycling, Textile and Water Treatment

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
(see composite section)



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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction





AXIAL FANS

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS

AXIAL FANS

Tubeaxial 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.



**Engine Room Supply Fan
(Marine)**

PROPELLER TYPES & MATERIALS



Fixed Pitch



Adjustable Pitch



Steel



Aluminum



Stainless Steel



Steel Slag Cooling

TYPICAL INDUSTRIES/APPLICATIONS

Aerospace, Agriculture, Air Pollution Control, Automotive, Boilers, Brick, Car Wash, Chemical, Clean Rooms, Composting, Food & Beverage, Foundry, General Manufacturing, Glass, Green/LEED, HVAC, Industrial Processes, Institutional & Hospitality, Marine, Metal & Minerals, Microchip, Mining, Nuclear, OEM, Petrochemical, Pharmaceutical, Paint Booth Exhaust, Pulp & Paper, Recycling, Textile, Transportation, Water Treatment, Wind Tunnels, Gas Turbine Exhaust, Generator Ventilation

COMMON ACCESSORIES

Access Doors, Inlet/Outlet Screens and Guards, Inlet/Outlet Companion Flanges, Belt Guards, Motor Covers, Inlet Bells, Inlet/Outlet Cones, Special Coatings, Disconnect Switches, Horizontal Supports, Vertical Supports, Shaft Seals, Vibration Isolation, Hoods, Stack Caps, and Curb Bases, Externally Mounted Conduit Boxes and Extended Lube Lines

OPTIONAL CONSTRUCTION



Composite
(see composite section)



High Temp



Marine Duty



Special Materials



Easy Access



Spark Resistant or ATEX



High Moisture



Paper Machine Exhaust

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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



STL

SS

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



VANEAXIAL FANS



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

VP

Type P Vaneaxial Fan, Direct Drive

- > 12 to 60 inches (305 mm ~ 1,525 mm) propeller diameters
- > Airflow to 103,000 CFM (175,000 m³/hour)
- > Static pressure to 5.5 inches w.g. (1,370 Pa)
- > AMCA licensed for Air and Fan Efficiency Grade

Catalog: 414



AL

Standard Propellers



Optional Construction

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



STL SS

Standard Propellers



Optional Construction

VSBD

Type S Vaneaxial Fan, Belt Driven (Steel Propeller)

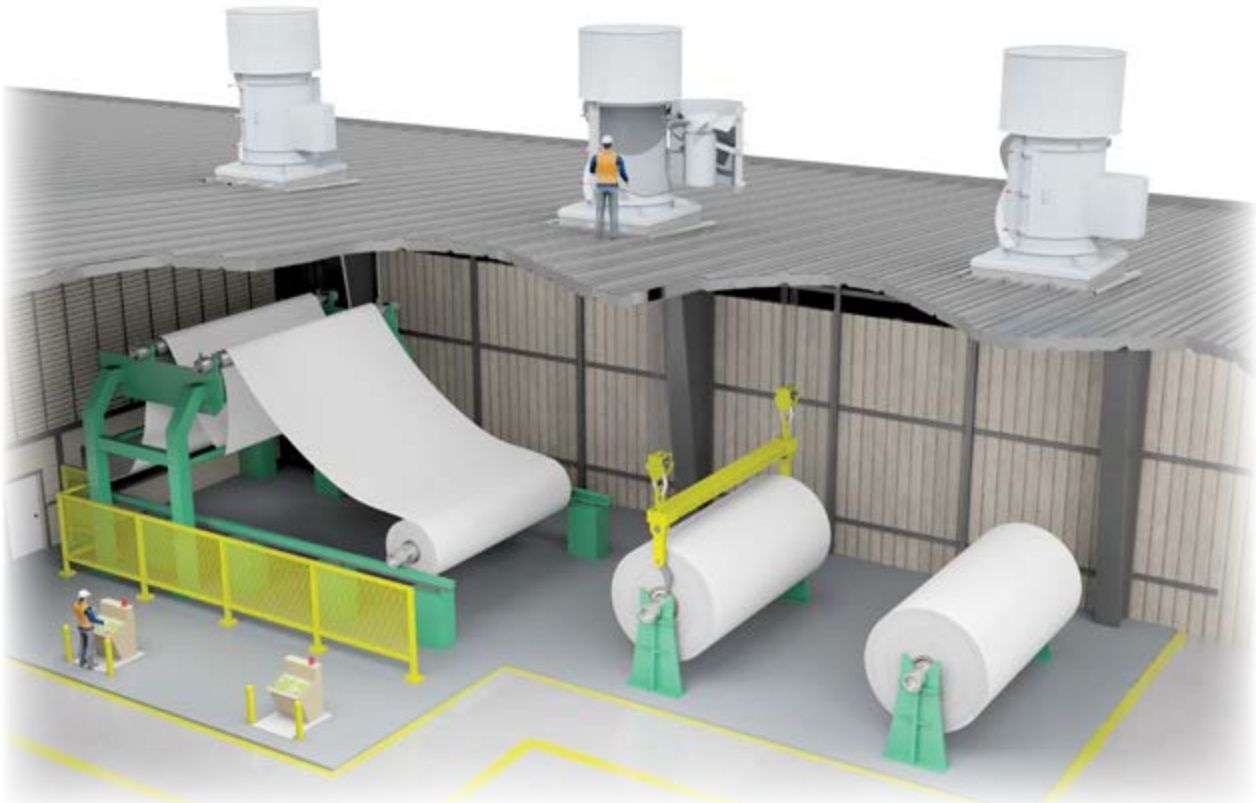
- > 12 to 54 inches (305 mm ~ 1,375 mm) propeller diameters
- > Airflow to 80,000 CFM (135,900 m³/hour)
- > Static pressure to 4 inches w.g. (990 Pa)

Catalog: 482



Axial Swingout & Clamshell Construction

 Easy access for frequent cleaning



Full Swingout



Single & Double Door Clamshell

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

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS



Warehouse Exhaust

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



Fume Exhaust

TYPICAL INDUSTRIES/APPLICATIONS

Agriculture, Air Pollution Control, Automotive, Boilers, Brick, Car Wash, Commercial Plan & Spec, Composting, Food & Beverage, Foundry, General Manufacturing, Glass, Green/LEED, HVAC, Institutional & Hospitality, Metal & Minerals, Microchip, Mining, Nuclear, OEM, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Recycling, Textile, Transportation

COMMON ACCESSORIES

Access Doors, Backdraft Dampers, Inlet Guards, Birdscreens, Two Groove Drives, Fusible Links, Motor Covers, Externally Mounted Conduit Boxes, Curb Bases, Hinged Curb Bases, Extended Lube Lines, Magnetic Damper Latches, Roof Curbs, Disconnect Switches, Single Point Wiring, Special Coatings, Motorized Stack Caps, Weather Proof Silencers and Stack Caps



General Ventilation

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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



AL

Standard Propellers



Optional Construction



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



STL

Standard Propellers



Optional Construction



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



SS

Standard Wheels



Optional Construction



ROOF VENTILATORS



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

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



AL

Standard Propellers



Optional Construction

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



Optional Construction

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



Optional Construction

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



Optional Construction



INLINE CENTRIFUGAL & MIXED FLOW FANS

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS



General Ventilation

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

Access Doors, Belt Guards, Belt Tubes, Companion Flanges, Disconnect Switches, Inlet/Outlet Screens, Inlet Vanes, Airflow Measurement Systems, Pressure Transducers, Special Coatings, Vibration Isolation, Motor Covers, Horizontal Supports, Vertical Supports, Shaft Seals, Hoods, Stack Caps, Curb Bases, Roof Curbs, Externally Mounted Conduit Boxes and Extended Lube Lines



Paint Booth Exhaust

OPTIONAL CONSTRUCTION



Composite
(see composite section)



High Temp



Special Materials



Easy Access



Spark Resistant or ATEX



Plasma Exhaust

CERTIFICATIONS

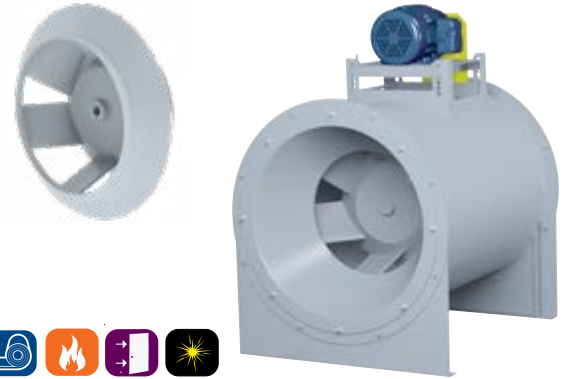
AMCA Sound/Air and FEG, UL 705 Listed for Electrical, UL 762 Listed for Grease-Laden Air, UL Listed for Smoke Control Systems, OSHPD Seismic Certification per OSP-0271-10

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



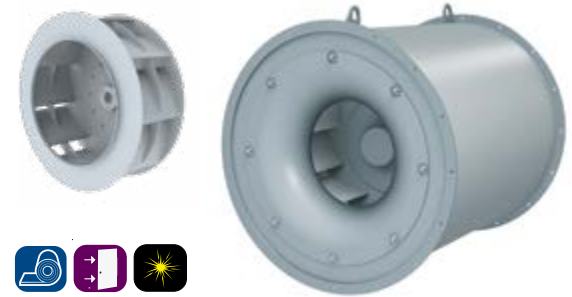
Optional Construction

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



Optional Construction

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



Optional Construction

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



Optional Construction



CENTRIFUGAL FANS

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS



Recirculation Fans

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



Furnace Room Ventilation

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



Composite
(see composite section)



High Temp



Special Materials



Easy Access



Spark Resistant or ATEX



Nominally Leak Tight



Split Housings



Process Fans

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

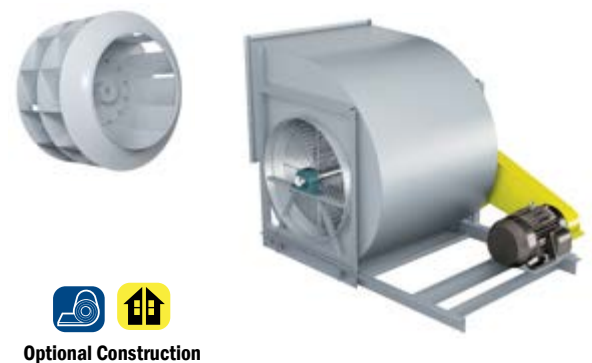


CB-DW

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

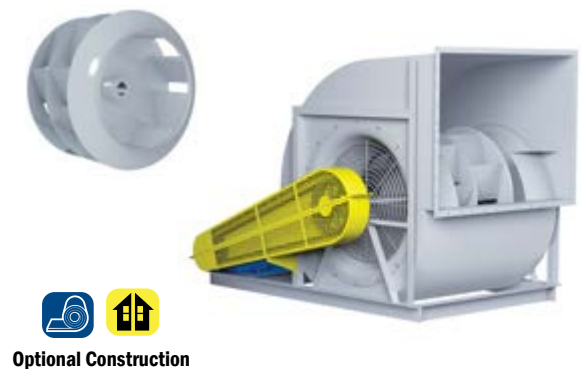


CAE-DW

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





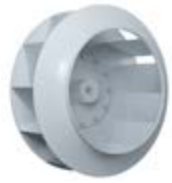
Optional Construction

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



Optional Construction

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



Optional Construction

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



Optional Construction

DFC

Forward Curved Junior Utility Sets

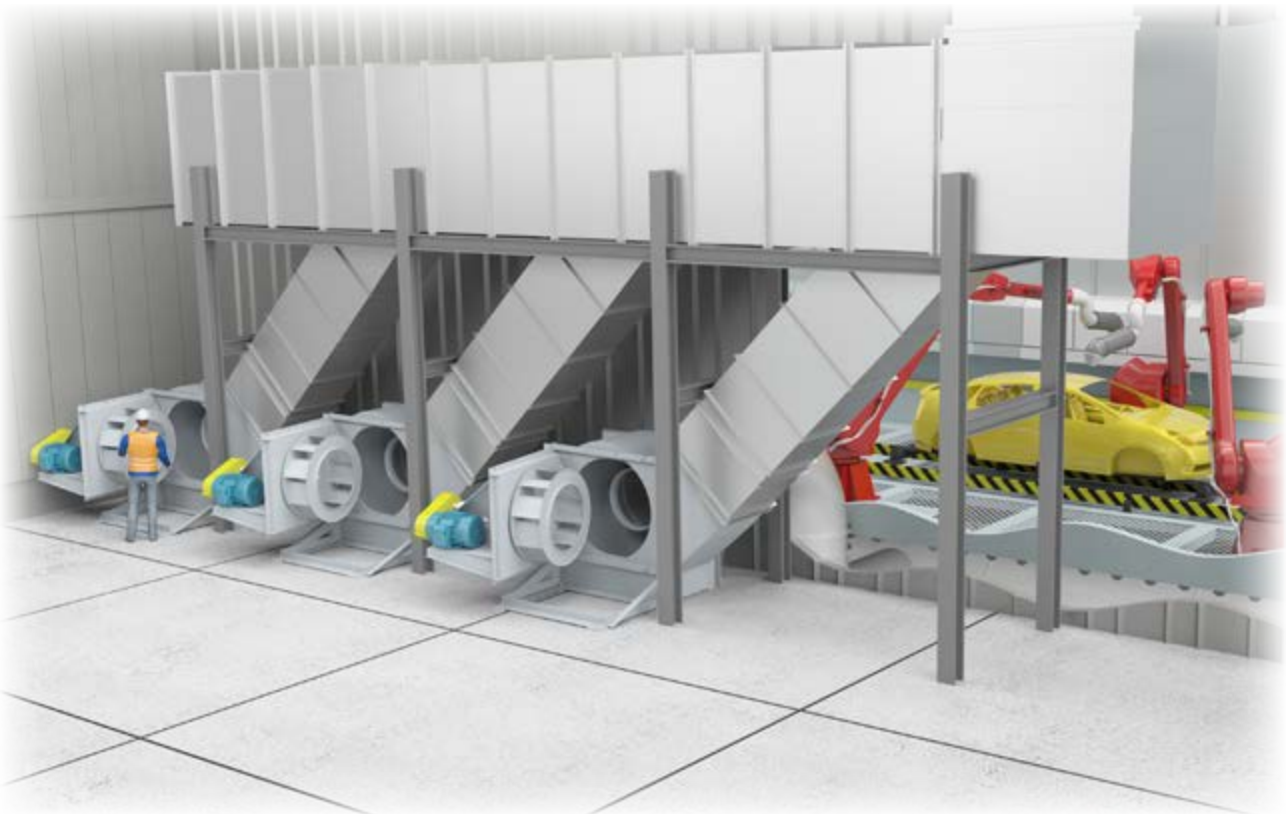
- > 6 to 10.5 inches (155 mm ~ 270 mm) wheel diameters
- > Airflow to 2,100 CFM (3,600 m³/hour)
- > Static pressure to 1.75 inches w.g. (440 Pa)

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

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

Aerospace, Agriculture, Air Pollution Control, Asphalt, Automotive, Boilers, Brick, Cement, Chemical, Coal, Composting, Ethanol, Foundry, General Manufacturing, Glass, Industrial Processes, Metal & Minerals, Mining, Nuclear, OEM, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Recycling, Textile, Water Treatment

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



High Temp



Special Materials



Easy Access



Spark Resistant or ATEX



Nominally Leak Tight



Split Housings



Ore Collection



Overspray Mist Remover

CERTIFICATIONS

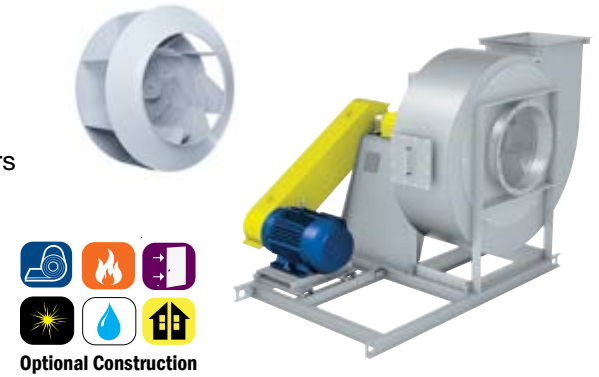
AMCA Air and FEG

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

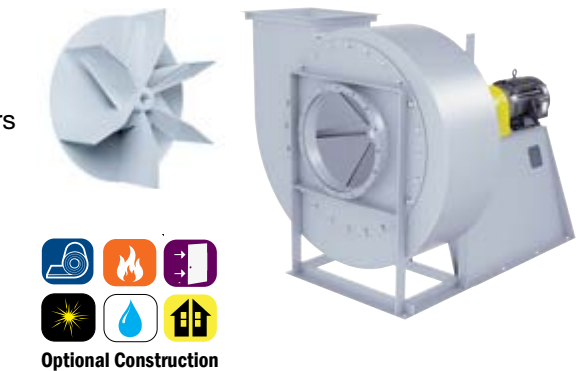


MHW

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

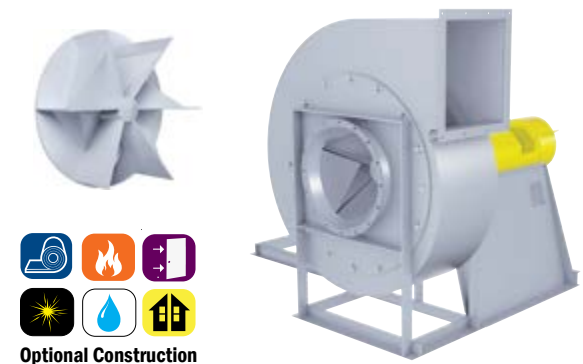


MHP

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

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS

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.



Chemical Extraction

WHEEL TYPES

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

TYPICAL INDUSTRIES/APPLICATIONS

Air Pollution Control, Asphalt, Boilers, Brick, Cement, Chemical, Coal, Composting, Dust Collection, Explosion-Proof Processes, Food & Beverage, Foundry, General Manufacturing, Glass, Industrial Processes, Marine, Metal & Minerals, Microchip, Mining, Nuclear, Petrochemical, Pharmaceutical, Power Generation, Process Cooling, Pulp & Paper, Recycling, Textile Fiber Stripping and Recycling, Transportation, Water Treatment, Drying Applications, Material Handling, Pneumatic Conveying, Process Applications, Vacuum Systems, Combustion Air, Exhaust, General Manufacturing, Landfill Gas



Dust Collection

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 m³/hour)
- > Static pressure to 22 inches w.g. (5,470 Pa)

Catalog: 916




Optional Construction

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 m³/hour)
- > Static pressure to 128 inches w.g. (31,820 Pa)

Catalog: 914





Optional Construction

PB

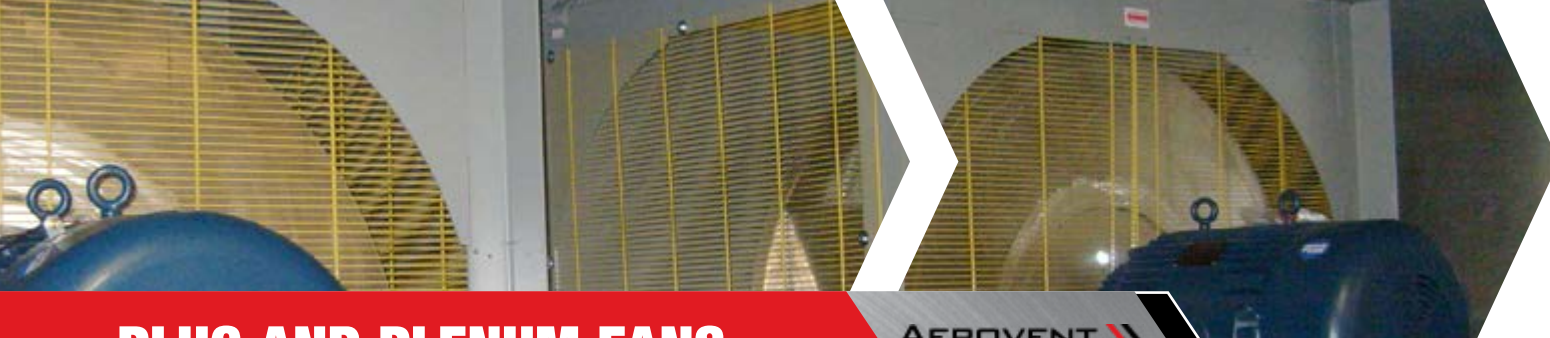
Pressure Blower, Radial Blade

- > 8 to 12 inches (205 mm ~ 305 mm) wheel diameters
- > Airflow to 1,275 CFM (2,200 m³/hour)
- > Static pressure to 10 inches w.g. (2,490 Pa)

Catalog: 904




Optional Construction



PLUG AND PLENUM FANS

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS

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.



Paint Booth

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, Re-Circulation, 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)



Baking Oven

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



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



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

AEROVENT >>
INDUSTRIAL VENTILATION SYSTEMS



**Odor Control
Waste Water Treatment**



Scrubber Fan



**Odor Control
Water Treatment**

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

Agriculture, Air Pollution Control, Automotive, Car Wash, Cement, Chemical, Coal, Composting, Corrosive Environments, Fertilizer, Food & Beverage, Foundry, General Manufacturing, Glass, HVAC, Industrial Processes, Institutional & Hospitality, Marine, Microchip Processing, Metal & Minerals, Mining, OEM, Odor Control, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Steel Processing, Textile, Swimming Pool Exhaust, Water Treatment

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

AEROVENT >>
INDUSTRIAL VENTILATION SYSTEMS

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

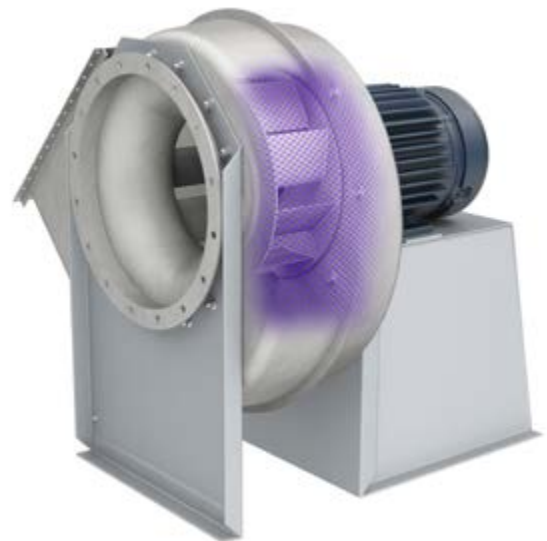
Many of today's processes incorporate chemical components that are not compatible with ferrous metal with quality coatings or high-nickel, white metals, like stainless steel and Monel. Over time these chemicals will break down even the toughest composite (FRP) materials. Many chemicals contain fluorine. 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 (WR^2). This allows for less stress on the motor and drive package (belt driven).



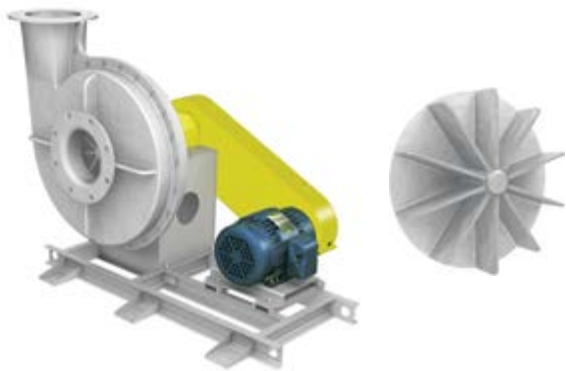


RBF

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

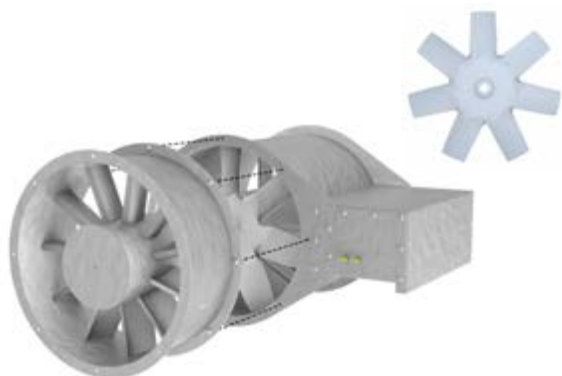


CBDF

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

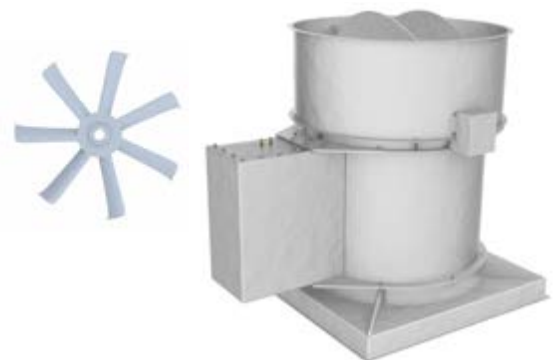


FRV

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



Standard Propellers
(Fixed & Adjustable)



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



Standard Propellers
(Fixed & Adjustable)



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



Standard Propellers
(Fixed & Adjustable)





AIR MAKE-UP UNITS



Heavy Industrial Supply Air

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.



Door Air Heaters

TYPICAL INDUSTRIES/APPLICATIONS

Automotive, Chemical Processing, Heating, Cooling, Humidifying, Food Processing, Foundries, Chemical Processing, Energy Recovery, Air Filtration / Fresh Air Supply, Air Turnover, Door Air Heaters, Process Heating and Cooling, Product Dryers, Paint Finishing Systems Manufacturing, Mining, Pharmaceutical, Power Generation, Pulp & Paper, Steel Mills, Textile, Transit Stations, Warehousing, Wastewater and Sewage

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



Light Industrial Supply Air

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

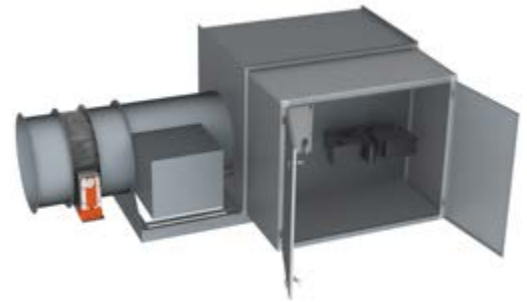


GA / GAS / GACDW / GACSW

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



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



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

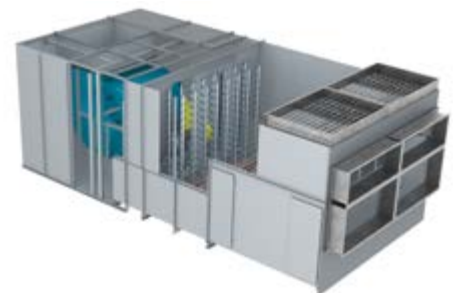
Catalog: 896



AC

Spray Type Air Cooler

Catalog: 1103





OEM PRODUCTS FANS / PROPELLERS / COMPONENTS

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS



Industrial Bake Ovens

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.



Turbine Cooling

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

Paint Finishing Systems, Baking Ovens, Snow Makers, Turbine Cooling, Radiator Core, Engine Cooling Systems, Compressors, Heat Exchangers, Oil Coolers, Cooling Towers



Paint Finishing Systems

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS

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



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



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



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



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

AEROVENT
INDUSTRIAL VENTILATION SYSTEMS



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

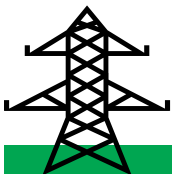
Steeler Mancooler

- > 24 to 48 inches (610 mm ~ 1,220 mm) propeller diameters
- > Airflow to 46,900 CFM (79,700 m³/hour)

Catalog: 264



GRIDSMART™ VFDs



GRIDSMART™ VARIABLE FREQUENCY DRIVES

By Aerovent



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



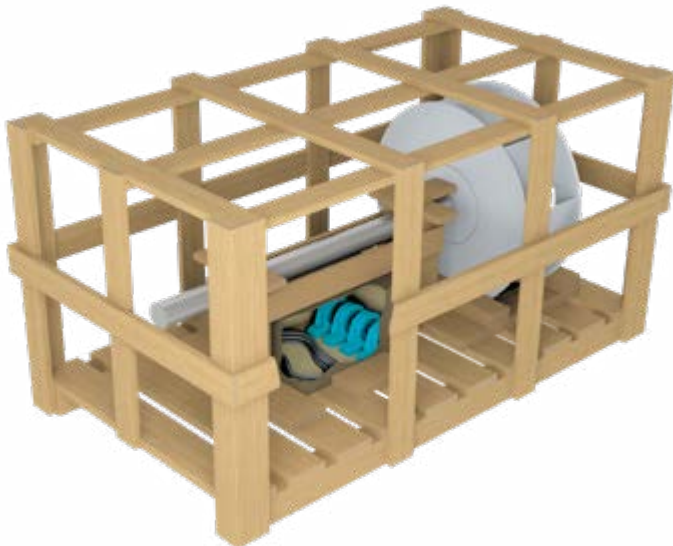
Weatherproof Silencer

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

AEROVENT 
INDUSTRIAL VENTILATION SYSTEMS

SPARE PARTS

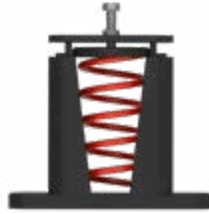


Spare Parts

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

CENTRIFUGAL FANS

pages 20-23



CB-SW



CB-DW



CAE-SW



CAE-DW



BIUB / BIUBR
BIUBSH



BAUB



FCUB



DFC

AXIAL FANS

pages 10-13



TA



TABD



PTA



PTABD



BTABD



VJ



VJBD



VP



VPBD



VSBD/TSBD

FIBERGLASS FANS

pages 30-34



BCF



RBF



HPBF



FDP



FRV



FBD



TFBD / VTFBD



CBDF



AFA / AFAB



AWA / AWAB



ASA



AHA / AHAB

INLINE CENTRIFUGAL & MIXED FLOW FANS

pages 18-19



AMX / AMXR
AMXSH



CDD



CBD



SCDD / SCBD

PRESSURE BLOWERS

pages 26-27



CA / CABD



HPBA / HPBS



PB

PROPELLER WALL FANS

pages 8-9



DDP



BP



DDR



BR

ROOF VENTILATORS

pages 14-17



BD40C



SV40



D53 / B53



HD53 / HB53



AFE



TW / TWB
TWBD



RRES



RREH



ACXD / ACX



ATD / ATDR



ATB / ATBR



ATDW / ATDWR
AWX / AWXR

RADIAL BLADED FANS

pages 24-25



MHA



MHO / MHR



MHW / MHP

PLUG & PLENUM FANS

pages 28-29



CPLQ / CPLQN



CPLF / CPLFN



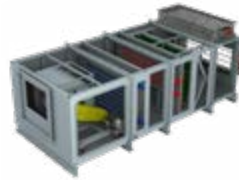
CPG

AIR MAKE-UP UNITS

pages 36-37



BIBT / FCBT



S / SACDW
SACSW



GA / GAS
GACDW / GACSW



NDH / PDH



AC

MANCOOLERS

page 40



M39



STL



PUM



UM

FILTERED SUPPLY FANS

page 35



FF



FSWD / FSWB



FSR

**PROPELLER FANS | TUBEAXIAL & VANEAXIAL FANS | CENTRIFUGAL FANS & BLOWERS | ROOF VENTILATORS
AIR HEATERS & COOLERS | AIR MAKE-UP | FIBERGLASS FANS | CUSTOM FANS**



AEROVENT 
INDUSTRIAL VENTILATION SYSTEMS

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