



Commercial & Industrial Ventilating Equipment

Products
Catalog

November 2019

Air Movement Specialists

Romla Ventilator Company (manufacturer of Romlair Air Movement Products) designs, manufactures and ships fans, ventilators, dampers, roof curbs and louvers around the world.

Founded in 1945, Romla believes in delivering quality, high-performance air moving products at the lowest possible costs. A complete engineering staff is maintained for both new products and refinement of existing ones. All manufactured products are constantly reviewed to increase quality, dependability and lower costs for the users. To help maintain a competitive advantage in the international market place Romlair maintains distribution and production facilities in the United States and Mexico. Products can be shipped directly throughout the United States and Mexico providing superior customer service and pricing to customers in both countries.

All fan performance testing is done in accordance to AMCA, insuring that performance data is accurate and reliable. Complete technical information including product selection sizing, product catalogs, submittal sheets, drawings, fan performance curves and sound data are available on our web site (www.romlair.com).



Application Specialists

Romlair Ventilator Company has made a commitment to our customers to provide them with innovative and cost effective solutions for their ventilation requirements. With over 50 years of application experience you can expect solutions exceeding all expectations.

Metal Building Industry Specialists

In addition to the needs of the Air Moving professional, Romlair has also been supplying the Metal Building Industry with accessories that fit their special needs. These products include metal building curbs, smoke hatches, skylights, ridge vents, architectural louvers and power ventilators.

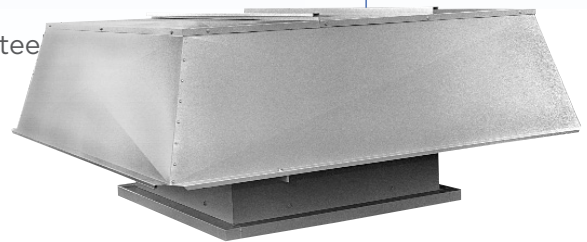
We have over 30 years of experience regarding the special application and installation requirements on all types of metal building panels and structures.

Propeller Hooded Roof Fans

These fans feature a solid compact, completely self-contained unit ideal for general ventilation. Applications can include complete ventilation over a large area or they can be placed to provide spot ventilation in specific problem areas. Architects appreciate the low silhouette and clean lines. All inner component parts are contained in the hood for easy access.

The Hooded Propeller Roof Fans feature a slow speed steel designed to yield low sound levels at low pressure ratings or a cast aluminum, non-sparking airfoil propellers suitable for medium pressure ranges and mildly corrosive atmospheres.

Model H



Wide Choice of Applications

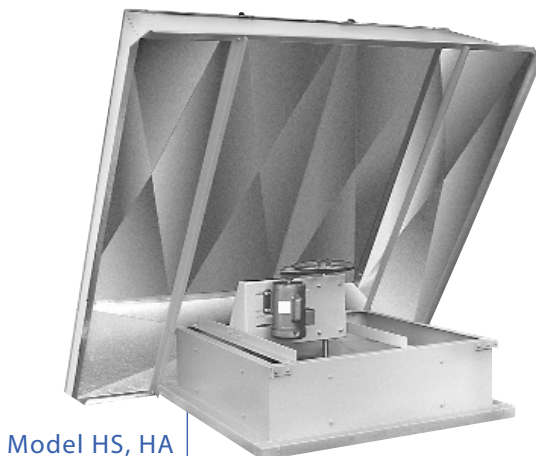
SUPPLY FANS for introducing large volumes of air into schools, commercial buildings, warehouses, power plants, industrial plants, equipment rooms, shopping centers and supermarkets (See Models HS-S, HA-S, H-S)

EXHAUST FANS for removing heat, moisture, contaminants, fumes, smoke and grease from similar buildings as Supply Fans. Many codes require specific removal requirements (See Models HS-E, HA-E, H-E).

Model HS, HA, H The Model HS is the propeller hooded roof fan with a steel propeller and the Model HA is the propeller hooded roof fan with cast aluminum propellers. Both models are belt-driven which allows adjustment Model H Photo of a fan speed for system balancing. The direct-driven propeller hooded roof fan featuring a cast aluminum propeller. Capacities range from 3,500 to 77,000 CFM.

FILTERED SUPPLY FANS provide filtered intake air utilizing quick, easy filter maintenance with replaceable aluminum filters (See Models HFS-S, HFS-A). Model HFS-S, HFS-A

The Model HFS-S is the hooded filtered supply fan with a steel propeller and the Model HFS-A is the hooded filtered supply fan with cast aluminum propeller. Both fans use standard 2" aluminum mesh washable filters. Capacities range from 3,200 to 56,500 CFM.



Model HS, HA



Model HFS

Propeller Upblast Roof Fans

Model VBO



The Propeller Upblast Roof Fans feature a slow speed steel propeller designed to yield low sound levels at low pressure ratings or a cast aluminum non-sparking airfoil propellers suitable for medium pressure ranges and mildly corrosive atmospheres. These axial upblast fans offer high capacity general ventilation for both industrial and commercial environments. They are ideal for commercial buildings, warehouses, factories, chemical hoods, shopping malls and schools. Mounting of fans directly over work areas permits upward venting of contaminated or heated air to protect workers and work area. Fans mounted on walls provide horizontal air flow and thus do not eliminate this problem.

Upblast Propeller Roof Fans are designed for all weather performance by utilizing quiet operating butterfly dampers which remain open only when the fan is turned on and remain weather tight to prevent incoming rain and snow when shut off. They are also designed for minimum maintenance and long life.



Model VBO-HV

Model VBO y VBO-HV The Model VBO and VBO-HV features a remote drive, with motor, belts and bearings removed from the airstream. The Model VBO is designed to operate reliably in hostile environments where the motor and drive need protection. The Model VBO-HV is engineered to meet the high temperature requirements of the Uniform Fire Code of 1000°F for a minimum of 15 minutes and the IRI requirements of 500°F for a minimum of 4 hours. UL listed "Power Ventilator for Smoke Controlled System". Capacities range from 4,148 to 57,000 CFM.

Model VS , VA y V The Model VS is the low profile upblast fan with steel propellers and the Model VA is the low profile upblast fan with cast aluminum propellers. Both models are belt-driven which allows adjustment of fan speed for system balancing. The Model V is a direct-driven, low profile fan featuring a cast aluminum propeller. Capacities range from 3,700 to 57,000 CFM.

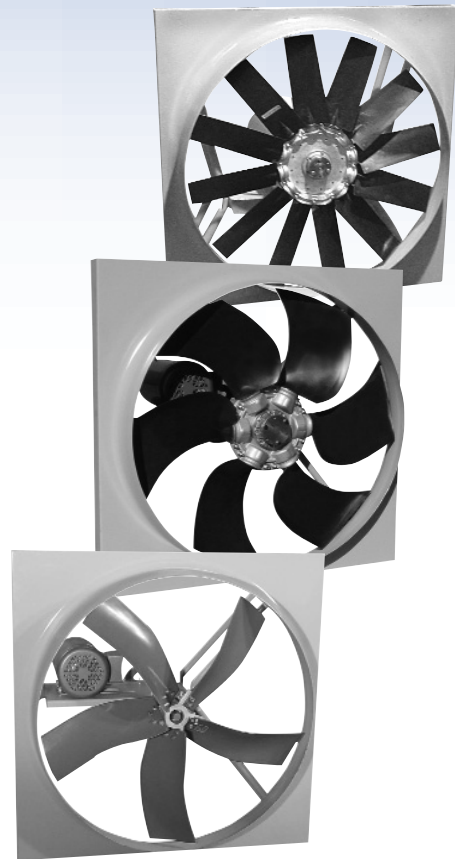


Model VS, VA

Sidewall Propeller Fans

Belt and direct drive sidewall propeller fans are designed and built for industrial and commercial applications. These fans are available with a slow speed steel propeller designed to yield low sound levels at low pressure ratings or a cast aluminum non-sparking airfoil propellers suitable for medium pressure ranges and mildly corrosive atmospheres. Suitable for clean air applications including exhaust, supply or filtered supply. Reversible fans to provide equal airflow in either direction are available.

The fans feature heavy-gauge galvanized construction for long life and minimum maintenance. Ideal for supplying large air volumes into schools, commercial buildings, warehouses, power plants, industrial plants, equipment rooms, shopping centers, supermarkets or for exhausting heat, moisture, contaminants, smoke and grease.



Model PS



Model PA

Model PS, PA, P

The Model PS is a sidewall propeller fan with a steel propeller and the Model PA is a sidewall propeller fan with a cast aluminum propeller. Both models are belt-driven which allows adjustment of fan speed for system balancing. The Model P is a direct driven sidewall propeller fan featuring a cast aluminum propeller. Capacities range from 3,500 to 85,000 CFM.

Most sidewall propeller fans are installed with accessories. Romlair offers a complete line of accessories for safety, ease of fan installation and weather protection. These fan accessories include wall housings, wall collars, guards, dampers and weather hoods. Disconnect switches and special coatings are also available.

Special Custom Propellers

On many applications, custom sidewall fans are required using special injection molded engineered thermoplastic or fiberglass propellers. Consult the factory for additional information.

Tube Axial Inline Fans

Romlair propeller tube axial inline fans are designed and built for industrial and commercial applications. Ideal for exhausting large air volume from schools, commercial buildings, warehouses, power plants, industrial plants, equipment rooms, shopping centers and parking structures. These fans are available in both direct drive and belt drive and with adjustable pitch cast aluminum air foil propellers. All models include a heavy gauge steel housing with steel angle end flange rings for superior strength and airtight duct connections. To facilitate installation, Romlair offers several optional mounting configurations providing a complete mounting system.

Modelo TB

The Model TB is a belt-driven propeller tube axial inline fan designed for use where the fan motor must be kept out of the direct air stream. Belt drive models are suitable for use in the presence of corrosive, dust and grease-laden atmospheres. Belts and bearings are enclosed in an air insulated housing which protect them from contamination, keeps them cool and prolongs service life under severe operating conditions. These fans use industrial-duty motors for years of trouble free operation. Variable pitch drives are standard and allows adjustment of fan speed for system balancing. Capacities range from 4,300 to 60,000 CFM.



Modelo TD

The Model TD is a direct-driven, propeller tube axial inline fan. They feature a more compact size than the belt-driven size and require less maintenance. TD fans with optional premium efficiency motors can be used with variable frequency drives to accommodate changing performance requirements. Direct tube axial propeller fans should be used wherever the air being handled is relatively clean or where temperatures do not exceed the operating limitations of the motor. Capacities range from 905 CFM to 37,000 CFM.

Centrifugal Filtered Supply Fans

These Centrifugal Filtered Supply Fans are suitable for non-tempered kitchen make-up air or building supply air. These fans are available in different architectural styles and feature both a DWDI forward curve wheel and a DWDI backward curve wheel

Model RCF

The RCF features a sturdy hood constructed of heavy gauge galvanized steel with a mill galvanized finish. These fans feature a DWDI forward curve wheel for high efficiency and low sound. One inch washable aluminum filters are standard (optional “throw-away” filters are available). The removable insulated cover allows quick access to filters, blower and motor for service and inspection. Capacities range from 400 to 14,000 CFM.

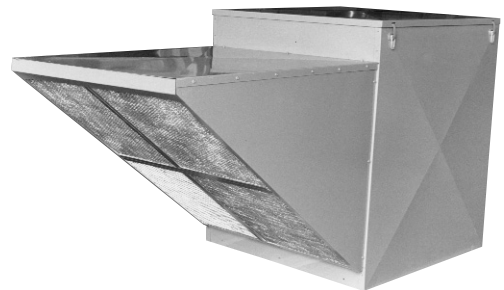


Model RCF-T

RCF-T features a louvered penthouse hood constructed of heavy gauge extruded aluminum louvers with mitered and welded corners. It is designed for applications where a louvered appearance is preferred. The RCF-T offers the same performance and quality construction as the Model RCF.

Model RCF-SI

These fresh air side intake supply fans are designed to meet NFPA 96 separation requirements between supply and exhaust air flows in restaurant applications. They feature a DWDI forward curve wheel for high efficiency and low sound. One inch aluminum filters are located in the side intake hood. Cabinet housing is constructed of galvanized steel with a mill finish. Capacities range from 400 to 12,500 CFM.



Model CLS

These louvered roof supply fans provides filtered make-up air in medium to high-pressure, high-volume applications. The attractive louvered design features maximum air flow, low air intake velocities and high filter efficiency. Fans wheels are a backward-inclined DWDI type. Capacities range from 1,000 to 36,000 CFM.

High Velocity Air Circulators

Romlair High Velocity Air Circulators are designed to project airstreams up to 200 feet. This is many times greater than the typical pedestal or box fan. These direct drive fans are available in 14", 18", 22" and 30" sizes and offer 4 different mounting arrangements.

When suspended from above, these high velocity fans provide an even stream of air around the work or warehouse area, effectively distributing air to 100% of the area. This is more desirable than providing pedestal fans which can only cool a limited area and often get in the way in production or warehouse operations.

Standard features include:

- Direct-driven for minimal maintenance
- High performance Galv-Alum propeller
- Attractive deep-spun heavy gauge steel housing
- Safety guards on both the inlet and exhaust side of fan
- Power cord furnished on single phase units
- Fan housing coated with polyurethane black finish



Model AF-CS Chain Suspension

The chain suspended installation is the most popular, simple and low cost method of installation.

Model AF-YM Yoke Mount

Another method of mounting is the yoke type mount, which allows easy adjustment up and down and side to side. Can be mounted to overhead beams or any other flat surface. This type of mounting is also practical for mounting in restricted ceiling areas such as mezzanines and low ceiling areas.



Model AF-CW Column or Wall Mount

This type of mounting allows the fan to be mounted to a wall or column. This fan features easy adjustment up and down and side to side, similar to the yoke mounting. Oscillators can be supplied upon request.



Model AF-PB Pedestal Base

On applications where a portable type fan is required, this model offers a superior design featuring a special inlet/outlet cone design that delivers substantially more air than any other type of pedestal or box fan. The fan's heavy-duty construction will give a lifetime of reliable service.



High Velocity Dock Fans

Romclair offers up to 3 High Velocity Dock Fans designed for recirculation of the air in semi-truck trailers and around loading docks. With a special wall mounting, the fan delivers a wave of cooler air to the front of the trailer, forcing the warmer air out to the rear of the trailer. This provides more comfort and higher productivity for workers loading and unloading inside the trailer. These wall mount units are designed so that they won't get in the way of material handling equipment or personnel.



Model RTC

- 3/4 HP Motor 1075 RPM
- 3100 CFM Air Throw 55 FT
- Direct-driven for minimal maintenance
- Galvanized Blower Housing and Wheel
- Heavy gauge steel housing with safety guards
- Fan housing coated with polyurethane yellow finish
- Power cord furnished on single phase units

Model R-DF-18

- 1/2 HP Motor 1725 RPM
- 3700 CFM air throw 75 FT
- Direct-driven for minimal maintenance
- High performance Galv-Alum propeller
- Heavy gauge steel housing with safety guards on both sides of fan
- Fan housing coated with polyurethane yellow finish
- Power cord furnished on single phase units



Model R-DF-14

- 1/4 HP Motor 1725 RPM
- 2500 CFM air throw 55 FT
- Direct-driven for minimal maintenance
- High performance Galv-Alum propeller
- Heavy gauge steel housing with safety guards on both sides of fan
- Fan housing coated with polyurethane yellow finish
- Power cord furnished on single phase units



Gravity Ventilators

Romlair features a wide selection of non-powered gravity ventilators and accessories for both CFM and Intake/Relief applications. When used for CFM applications several models of gravity ventilators are rated based on factors such as wind speed, temperature difference and stack height. They offer an economical approach to many ventilation applications. Intake/Relief applications work on the pressure differential between the inside and outside of the building and are usually sized based on desired pressure requirements.



Model ST

These ventilators feature low silhouette architecturally appealing styling for exhaust relief or air intake applications. They are inconspicuous and under many conditions are unnoticeable from the ground. Available in galvanized steel, aluminum or stainless construction.

Romlair extruded aluminum louvered penthouses feature architecturally appealing styling for exhaust relief or air intake applications. They are also frequently used as gravity ventilators, fan discharge or intake caps and enclosures to house roof-mounted fans and other equipment.

Model RPV



Model RSV

Romlair Model RSV is a spun aluminum roof mounted gravity to be used on intake or relief applications. Attractive low silhouette design harmonized with modern building design. Corrosion resistant design. All aluminum materials assembled with stainless steel fasteners ensure superior corrosion resistance and long life.

Model RR Turbo Ventilators provide mechanical ventilation through spinning action combined with natural flow factors. The combination of these factors assures a higher, more consistent exhaust pattern than is possible with other gravity ventilators.

Model RR



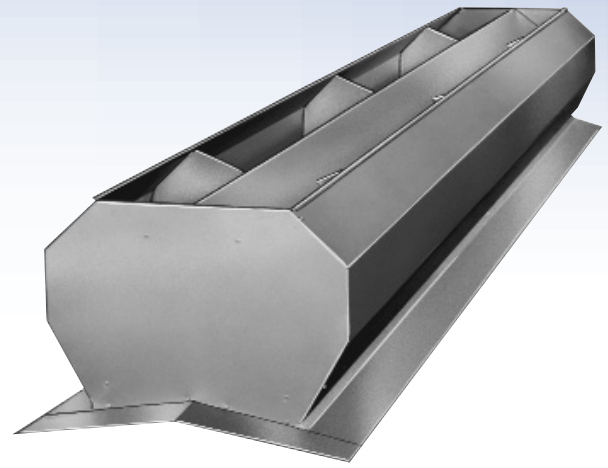
Model RS

Model RS is a stationary type ventilator used on many industrial and commercial applications. This ventilator conforms to Corp of Army Engineers Bulletin CE 220.09 for gravity ventilators. Accessories are available, such as Disc Dampers, Square to Round Bases, Flat Collar Bases and auxiliary duct fan designed to convert existing round gravity ventilator to power.

Model RV

Romlair Ridge Ventilators are ideal for steel buildings and other applications requiring an inconspicuous high volume exhaust vent. Install on peaks, flat roofs or on curbs.

The RV Series is a standard 10' section complete with end caps for single unit installations. The RCV Series is a continuous ventilator, and the 10' sections are spliced together with unique slip type join plates to complete any required length. Optional damper is available; it raises and lowers to any position to prevent heat from escaping during winter. A wide range of sizes are available from 4" up to 24" of throat.



Louvers

Fabricated stationary louvers with drainable and non-drainable blades designed to protect air intake and exhaust openings in building exterior walls.

These louvers are fabricated from 18 and 16 gauge galvanized steel or .080 and .100 aluminum. A wide variety of paint finishes can be selected for commercial and industrial applications. This includes baked enamels, Kynar and powdered urethane coatings.

Models S445/S445A Not Drainable Stationary Louver

This design uses "J" style blades and a high free area to provide maximum resistance to rain and weather while providing minimum resistance to air flow. Features include a 4" deep louver with a 45° fixed type non-drainable blade. Available in both galvanized (S445) and aluminum construction (S445A).

Models S430/S430A Not Drainable Stationary Louver

This design uses the same "J" style blades and a high free area as the Model S445, except this louver features a 4" deep louver with a 30° fixed type non-drainable blade. Available in both galvanized (S430) and aluminum (S440A) construction.

Models D440/D440A Drainable Stationary Louver

Incorporates drain gutters in the head member and horizontal blades to channel water to vertical down spouts at the sides and out the louver sill. These models are extremely efficient. Features include a 4" deep louver with a 40° fixed type drainable blade. Available in both galvanized (D440) and aluminum (D440A) construction.

Model D635/D635A Drainable Stationary Louver

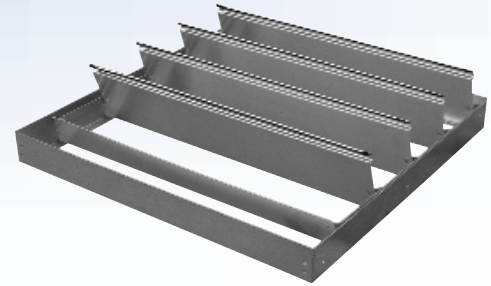
Incorporates drain gutters in the head member and horizontal blades to channel water to vertical down spouts at the sides and out the louver sill. These models are extremely efficient. Features a 6" deep louver with a 35° fixed type drainable blade. Available in both galvanized (D635) and aluminum (D635A) construction.



Dampers

Model RBD (Roof Exhaust)

This damper is designed to be mounted horizontally, with vertical airflow up. Features a 2" drop in galvanized frame. Blades are 26 gauge mill finish aluminum. Maximum recommended velocity is 2000 fpm.

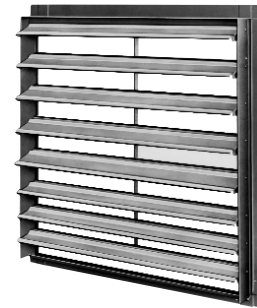


Model RBDS (Roof Supply)

Designed to be mounted horizontally, with vertical airflow down. Features a 3" drop in galvanized steel frame, with .020 aluminum counter-balanced blades. Designed for velocities up to 3,000 fpm.

Model RWD (Wall Exhaust / Supply)

Designed to be mounted vertically with horizontal airflow. Features a flanged 19 gauge galvanized frame with 26 gauge aluminum blades. Maximum velocity is 2,600 fpm with standard propeller fans.



Model RVC (Motorized Damper 1/115V)

Is a heavy duty center-pivot control damper designed to be mounted vertically or horizontally. These dampers are available with optional blade and jamb seals. These dampers are typically used in low to medium pressure and velocity systems.

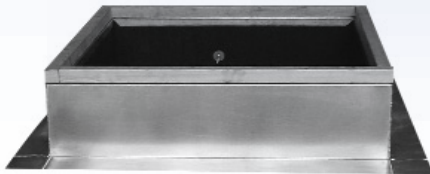
Metal Building Roof Curbs

Considerable consideration has always been given to the types of roof systems on a new building or re-roof and the roof penetrations and the type of curbs used. Romlair has designed roof curbs to correctly match most roof systems.

The standard metal building curbs by Romlair are constructed of 18 gauge aluminized steel, with either insulated or non-insulated curb walls. They are available for both slope mount and ridge mount applications. Most models are for standing seam and ribbed panels. On these models the contours fit under the roof panel on the upslope and over on the down slope to create a continuous water flow. Special paint finishes are available to color match your roof system.



Conventional Roof Curbs



Model SF (with Wood Nailer)

This curb is designed for use on flat roof decks that are covered with insulation. They are mounted directly to the roof deck before the insulation is applied, then roofed and flashed to the top of the wood nailer for weather tightness. Available with insulated or non-insulated curb walls.

Model SF (without Wood Nailer)

This curb is designed for use on non-insulated flat roof decks. They are mounted directly to the roof deck structure then roofed to the vertical surface and sealed to the 5" flashing flange. Available with insulated or non-insulated curb walls.



Model CF (with Wood Nailer)

These curbs are all-welded construction and are designed for use on flat, non-insulated roof decks. They are mounted directly to the deck structure, then roofed and flashed to the top of the wood nailer for weather tightness.

Vented Curbs

Typically used in kitchen applications, where the vents allow hot air and gases to escape between the ductwork and roof curb, this curb is designed for use on non-insulated flat roof decks. They are mounted directly to the roof deck structure, then roofed to the vertical surface and sealed to the 5" flashing.



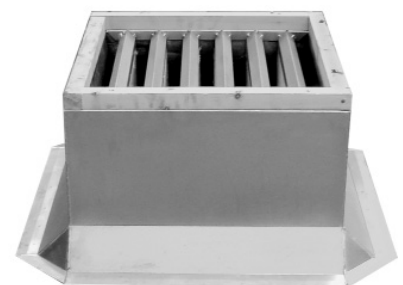
Curbs for Pitched Roofs

Five different models of roof curbs are available for various types of pitched roofs. There are many different sizes and heights available and can be made of galvanized steel or aluminum. The type of roof will determine what curb should be used. Curbs are available with or without insulation, liners, damper trays or finishes. In addition, there are sound curbs available to decrease noise.

Model CF-S and SF-S Sound Attenuating Curb

The CF-S designed to attenuate fan generated sound. This curb utilized an all-welded construction and is designed for use on flat, non-insulated roofs. They are mounted directly to the deck structure, then roofed and flashed to the top of the wood nailer for weather tightness.

The SF-S curb (not shown) is designed to attenuate fan generated sound. For use on flat roof decks that are covered with insulation. They are mounted directly to the roof deck before the insulation is applied, then roofed and flashed to the top of the wood nailer for weather tightness.





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