GREENHECK®
Building Value in Air.

Roof Mounted Fans and Gravity Ventilators

Greenheck offers the world's widest selection of top quality fans and ventilators for commercial, institutional and industrial buildings. This selection offers you a vast variety of products to ensure you can always find the right fan to meet your precise performance requirements. Discover the value of a Greenheck fan with the world's best-selling centrifugal roof upblast and sidewall exhaust fans with one-piece, leakproof construction. Take advantage of our reputation for quality and reliability by experiencing one of our many Greenheck fan and ventilator products.

Centrifugal Roof Exhaust Fans

The centrifugal roof exhaust fans include both direct and belt-driven fans with backward-inclined centrifugal wheels. The fans feature double-studded isolators for true vibration isolation. The fans are a downblast configuration and are suitable for roof-mounted applications exhausting relatively clean air.

Models G/GB

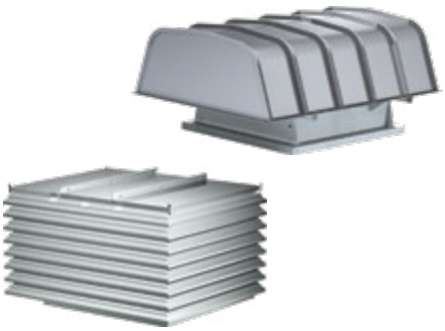
Models G/GB feature a spun aluminum housing design. The Vari-Green® high-efficiency motor is available on model G direct drive fans. Capacities range from 50 to 45,000 cfm (85 to 76,455 m^3/hr) and 3.25 in. wg (806 Pa). Third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind and AMCA Licensed for Sound and Air Performance. IBC and OSHPD seismic certified. Select models with CE Mark.

Catalog: *Centrifugal Roof Downblast Exhaust Fans — G and GB*

Models LB/LBP

Model LB features a low silhouette housing design with "rib-lock" construction. Model LBP features an extruded aluminum louvered penthouse housing design (severe duty louvered enclosure). Capacities range from 925 to 37,500 cfm (1572 to 63,713 m3/hr) and 2.125 in. wg (529 Pa). AMCA Licensed for FEI, Sound and Air Performance.

Catalog: *Centrifugal Roof Exhaust Fans — Series L (LB/LBP)*



Centrifugal Upblast and Sidewall Exhaust Fans

The centrifugal roof upblast and sidewall exhaust fans include both direct and belt-driven fans with backward-inclined centrifugal wheels. The motors on the fans are out of the airstream. The fans are suitable for applications ranging from storage rooms and fume hood exhaust, to kitchen grease exhaust and smoke control.

Models CUE/CUBE - Roof or Sidewall Mounted

Model CUE/CUBE spun aluminum fans are specifically designed for roof or sidewall mounted applications. The fans feature a one piece windband continuously welded to the curb cap and double-studded isolators for true vibration isolation. Contaminated or grease-laden exhaust air is discharged directly upward, away from the roof surface or discharged out and away from building walls. The Vari-Green® high-efficiency motor is available on model CUE direct drive fans. Capacities range from 70 to 30,000 cfm (119 to 50,970 m^3/hr) and 5 in. wg (1,240 Pa). Third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind and AMCA Licensed for Sound and Air Performance. IBC and OSHPD seismic certified. Select models with CE Mark.

Catalog: *Centrifugal Upblast and Sidewall Exhaust — CUE/CUBE*

Model USGF

Model USGF (Ultimate Steel Grease Fan) is the ideal fan for heavy grease exhaust applications where high amounts of grease are used like charbroilers, solid fuel cooking, and oriental cooking. Constructed of steel, model USGF includes a nonstick coated steel wheel, steel windband, steel curb cap, and steel motor compartment. Standard features include UL 762 Listed, a heat baffle, clean-out port, dual belt and pulley system, and a mounted and wired NEMA-3R disconnect switch. The unit is powder coated for protection. Capacities range from 350 to 7,000 cfm (595 to 11,893 m^3/hr) and 3.25 in. wg (809 Pa). Third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind and AMCA Licensed for Sound and Air Performance.

Catalog: *Centrifugal Upblast and Sidewall Exhaust — USGF*

Propeller Tube Axial Fans

For low to medium pressure applications, tube axial fans include both direct and belt-driven fans with cast aluminum or fabricated steel blades. Propeller tube axial inline fans have a straight-through airflow, compact size and the flexibility to be mounted in any configuration—horizontal, vertical, or any angle. These fans are designed for reliable air movement in ducted commercial and industrial applications. The roof upblast configuration is designed to discharge contaminants up and away from the building in most applications.

Roof Upblast: Models RDU/RBU/RBUMO

Model RBUMO has its motor mounted out of the airstream and is suitable for high temperature emergency smoke removal (500ºF/260ºC for 4 hours or 1000ºF/538ºC for 15 minutes) and is available with UL Power Ventilators for Smoke Control Systems. The RBU/RBUMO has steel blades, and the RDU has cast aluminum blades. Capacities range from 2,800 to 68,000 cfm (4,757 to 115,532 m^3/hr) and 1 in. wg (248 Pa). AMCA Licensed for Sound and Air Performance. RBUMO is IBC and OSHPD seismic certified.

Catalog: Propeller Upblast Roof Fans — RBU/RBUMO/RDU

Roof Upblast: Model TAUB-L/H

Model TAUB-L/H has its motor mounted out of the airstream and is suitable for high temperature emergency UL smoke removal. Typical applications include clean air, industrial processes, and high temperature exhaust. The TAUB-L/H has steel blades. Capacities range from 5,000 to 58,000 cfm (8,459 to 98,543 m^3/hr) and 1 in. wg (248 Pa). For higher pressure capabilities use roof-mounted option on model TBI-FS. AMCA Licensed for Sound and Air Performance.

Catalog: Tube Axial Roof Upblast — TAUB

Roof Upblast: Models TAUD/TAUB-CA

Models TAUD/TAUB-CA have cast aluminum blades. Typical applications include clean air, fume exhaust, and spark resistant construction. Capacities range from 2,800 to 72,000 cfm (4,757 to 122,329 m^3/hr) and 1.5 in. wg (373 Pa). For higher pressure capabilities use roof-mounted option on models TDI/TBI-CA or AX. AMCA Licensed for Air Performance.

Catalog: Tube Axial Roof Upblast — TAUD and TAUB-CA

Centrifugal Supply Fans

The centrifugal roof supply fans include filtered and nonfiltered belt-driven units. These fans are suitable for non-tempered kitchen make-up air or building supply air.

Model SAF

Model SAF filtered roof supply fan features a belt-driven, double-width, forward-curved, galvanized blower for low-cost, low sound, and high performance applications. Capacities range from 800 to 14,300 cfm (1,359 to 24,296 m^3/hr) and 3.5 in. wg (868 Pa). AMCA Licensed for FEI, Sound and Air Performance.

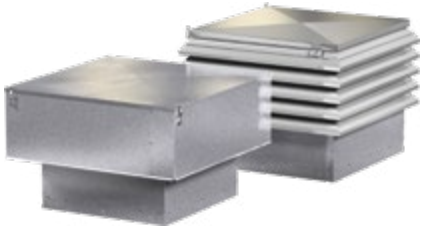
Catalog: Centrifugal Roof Supply Fan — SAF

Models KSFB and KSFD

Models KSFB and KSFD economically supply untempered make-up air where needed. Kitchen make-up air applications are common and an extended weatherhood option provides a 10 foot separation between intake and exhaust fan discharge. Capacities range from 800 to 10,250 cfm (1,359 to 17,415 m^3/hr) and 2.5 in. wg (622 Pa).

Catalog: *Untempered Make-Up Air for Kitchen Systems — KSFB and KSFD*

Models RSF/RSFP



Models RSF/RSFP fans feature forward-curved wheels designed for high efficiency and low sound. Housing styles include a straight-sided hood (RSF) or a louvered penthouse which features extruded aluminum louvers (RSFP). Capacities range from 600 to 16,300 cfm (1,019 to 27,694 m^3/hr) and 2 in. wg (496 Pa). AMCA Licensed for FEI, Air Performance and Model RSF third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind. IBC and OSHPD seismic certified.

Catalog: *Centrifugal Roof Supply Fans — RSF and RSFP*

Hooded Propeller Exhaust and Supply Fans

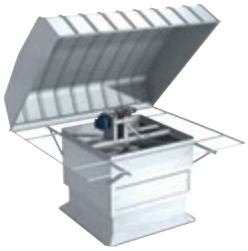
The hooded roof propeller fans include both direct and belt-driven fans with fabricated steel, fabricated aluminum, or cast aluminum blades. These fans are suitable for clean air applications including exhaust, supply, or filtered supply. Typical applications are factories and warehouses.

Models R2/RC3/RB/RBC

Model R2/RC3/RB/RBC hooded roof propeller fans are available with a wide variety of accessories including tall bases, dampers and guards. Capacities range from 500 to 86,500 cfm (850 to 146,964 m^3/hr) and 2 in. wg (498 Pa). Third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind and AMCA Licensed for Sound and Air Performance. IBC and OSHPD seismic certified.

Catalog: *Hooded Roof Propeller Fans — Exhaust, Supply and Reversible*

Models RPDR/RPBR



Models RPDR/RPBR are compatible with ducted and non-ducted systems and offer the ability to exhaust or supply air on demand. Performance is equivalent in both the exhaust and supply modes. Capacities range from 2,900 to 70,500 cfm (4,927 to 119,780 m^3/hr) and 0.5 in. wg (124 Pa). OSHPD seismic certified.

Catalog: *Hooded Roof Propeller Fans — Exhaust, Supply and Reversible*

Models AE/AS

Model AE/AS axial roof exhaust and supply fans are designed for low volume, low pressure applications where a spun aluminum hood is desired. Capacities range from 150 to 6,000 cfm (255 to 10,194 m^3/hr) and 1 in. wg (348 Pa). AMCA Licensed for Sound and Air Performance.

Catalog: *Hooded Roof Propeller Fans — Series A (AE/AS)*

Gravity Ventilators

The gravity intake and relief ventilators are non-powered and work on pressure differential between the inside and outside of the building.

Model GRS

Model GRS is an aluminum ventilator designed to be used as an intake (model GRSI) or relief unit (model GRSR) on natural gravity systems. The GRS appearance blends with other Greenheck products, and with its low silhouette, avoids the problem of detracting from architectural aesthetics.

Catalog: Gravity Ventilators — GRSI/GRSR

Models FGI/FGR

Models FGI (intake) and FGR (relief) have a low silhouette Fabra Hood design. The Fabra Hood design is superior in appearance, load-bearing strength, weather resistance, and dimensional flexibility. Third-party certified (Florida Product Approved and Miami-Dade County Qualified) for high wind.

Catalog: Gravity Ventilators — FGI/FGR

Models WIH/WRH

Model WIH (intake) and WRH (relief) units feature a stormproof aluminum louver with mitered corners. The louvered design affords lower pressure drops while maintaining low hood heights. The all-aluminum construction assures lasting durability and appearance. The removable hood is lined with insulation to prevent condensation.

Catalog: Gravity Ventilators — WIH/WRH

Centrifugal Ceiling and Cabinet, Exhaust and Supply Fans

Greenheck's ceiling and cabinet fans are direct drive models that have forward-curved wheels for low sound and high efficiency. They are suitable for clean air applications, such as bathroom exhaust fans, storage room, or office fans. Models are designed for commercial and multifamily construction. Centrifugal inline fans are ideal for clean air applications including intake, exhaust, return, or make-up air.

Ceiling and Cabinet Inline Fans

Model SP

Model SP is a direct drive ceiling exhaust fan designed for clean air applications where low sound levels are required. Many options and accessories are available including the Vari-Green® EC motor, lighted grilles, humidity detectors, ceiling radiation dampers and speed controls. Capacities range from 25 to 1,600 cfm (42 to 2,718 m^3/hr) and 1 in. wg (248 Pa). AMCA Licensed for Sound and Air Performance. Many models are ENERGY STAR® Qualified and can be used to comply with ASHRAE 62.2 and California Title 24.

Catalog: *Centrifugal Ceiling Exhaust and Inline Cabinet Fans — SP and CSP*

Model SP-AP

Model SP-AP features a virtually silent electronically commutated (EC) motor with three built-in, high-speed airflow settings (50, 80, or 110 cfm). Its standard two-speed operation (commonly known as whole house ventilation) helps comply with ASHRAE 62.2, Washington State Energy Code and California Title 24 requirements. The fan is certified by Energy Star and the Home Ventilating Institute. Fan features allow for improved performance in a variety of installations. Options available include plug-and-play sensors (motion, humidity, nightlight, and CO2) and lighted grilles.

Catalog: *SP-AP Catalog*

Model CSP

Model CSP is a direct drive inline fan designed for clean air exhaust or supply applications where low sound levels are required. Model CSP may be easily converted from horizontal to vertical discharge. The Vari-Green® EC motor is available for these models. Capacities range from 70 to 3,800 cfm (119 to 6,456 m^3/hr) and 1 in. wg (248 Pa). AMCA Licensed for Air Performance.

Catalog: *Centrifugal Ceiling Exhaust and Inline Cabinet Fans — SP and CSP*

Centrifugal Inline, Tubular, Mixed Flow and Axial Fans

Greenheck's inline, ceiling, and sidewall exhaust or supply products are suitable for a wide range of commercial and industrial applications. Ceiling and cabinet fans are easily mounted in or above ceilings for efficient and quiet exhaust applications. Sidewall fans are wall-mounted supply or exhaust units suitable for clean or fume-laden air applications. Tubular centrifugal, axial and mixed flow inline products provide higher performance capacity than ceiling and sidewall fans. They are typically horizontally or vertically mounted in duct systems, but can be wall mounted, as well as roof mounted.

Centrifugal Inline Fans

Ceiling, cabinet and centrifugal inline fans include both direct and belt-driven fans.

Centrifugal inline fans have backward-inclined centrifugal wheels. Models feature rugged construction, high-efficiency, and low sound levels that are ideal for clean air applications, including intake, exhaust, return, or make-up air. They have straight-through airflow with compact size and have the flexibility to be mounted in any configuration—horizontal, vertical, or at any angle.

Model BCF

Model BCF is a belt drive inline low profile cabinet fan. It is designed for efficiency and reliability in supply, exhaust, and ducted return applications. Horizontal mounting with either top horizontal or upblast discharge allows the BCF to be applied in a wide range of applications. Capacities range from 170 to 5,850 cfm (289 to 9,939 m^3/hr) and 1.5 in. wg (372 Pa). AMCA Licensed for FEI, Air Performance.

Catalog: Centrifugal Cabinet Fans — BCF

Model BDF

Model BDF is a belt drive duct fan designed for efficiency and reliability in supply, exhaust, or return air applications. Capacities range from 300 to 17,000 cfm (510 to 28,883 m^3/hr) and 3 in. wg (744 Pa). AMCA Licensed for FEI, Sound and Air Performance.

Catalog: Centrifugal Cabinet Fans — BDF

Models SQ/BSQ

Models SQ/BSQ have a square housing design for indoor applications. Easy access for inspection and service is provided by removable side panels. Fans can be configured to discharge air 90 degrees from the inlet for tight space constraints. The Vari-Green® high-efficiency motor is available on model SQ direct drive fans. Capacities range from 50 to 27,000 cfm (85 to 45,873 m^3/hr) and 4 in. wg (992 Pa). AMCA Licensed for FEI, Sound and Air Performance. Select models with CE Mark.

Catalog: Centrifugal Inline Fans — SQ and BSQ

Tubular Centrifugal Fans

Greenheck tubular centrifugal fans, model TCBRS and TCBRU, have been designed for commercial and industrial inline or roof upblast applications that demand quiet, efficient and reliable air movement. Tubular centrifugal fans are roof mounted on a roof curb.

Model TCBRS

Model TCBRS features aluminum backward-inclined wheels for quiet and efficient supply airflow. Greenheck's Fabra Hood housing on this model provides a strong, weathertight cover, and is available with filters. Capacities range from 300 to 26,000 cfm (510 to 44,174 m^3/hr) and 4 in. wg (995 Pa).

Catalog: Tubular Centrifugal Fans — TCB/TCBRU/TCBRS

Model TCBRU

Model TCBRU is a belt drive upblast roof exhaust fan. It features a tapered outlet which creates high outlet velocities to carry contaminated exhaust away from nearby make-up air units. Capacities range from 500 to 26,000 cfm (850 to 44,174 m^3/hr) and 4 in. wg (995 Pa).

Catalog: Tubular Centrifugal Fans — TCB/TCBRU/TCBRS

Mixed Flow Fans

Mixed flow inline fans can be used for a wide variety of commercial, institutional and industrial applications handling everything from clean, grease laden or high-temperature air for supply, exhaust, or return air. Greenheck's unique wheel design excels in applications where low sound is critical. In addition, Greenheck's mixed flow fans are more efficient than comparably sized square inline and tubular centrifugal and vane axial fans, reducing the required motor horsepower and lowering operating costs.

Model SQ

Model SQ is a direct drive square inline mixed flow fan featuring a unique combination of high efficiency, low sound and ease of installation. Fans are ideal for supply, exhaust, return, or make-up air systems in indoor and outdoor clean air applications where space is a prime consideration. The Vari-Green® high-efficiency motor and a variety of accessories are available for customizing. Capacities up to 27,800 cfm (47,233 m^3/hr) and 3 in. wg (747 Pa). AMCA Licensed for FEI, Sound and Air Performance.

Models QEI/QEID

Models QEI/QEID are mixed flow fans that deliver efficient and quiet performance. Universal mounting allows changing orientation in the field and standard integral airflow straightening vanes improve performance. Multiple series of construction tailor the unit to the application requirements. Typical applications include ventilation of office buildings, concert halls, parking garages, educational facilities, libraries, and dormitories. Capacities range from 700 to 116,000 cfm (1,190 to 197,085 m^3/hr) and 10 in. wg (2,490 Pa). AMCA Licensed for Sound (inlet and outlet), Air Performance and FEI (Fan Energy Index). QEI model is OSHPD seismic certified.

Catalog: Mixed Flow Fans — QEI (belt drive), QEID (direct drive)

Model QEID FJ

Model QEID FJ Fume Jet is a direct drive tubular mixed flow inline fan ideal for exhausting lower volumes of light chemical or odor-laden air. The airstream pathway is constructed of corrosion-resistant, lightweight composite materials and includes a durable flanged casing for duct connections. The ventilated EC motor compartment protects the motor from the contaminated airstream to allow classification as a spark-resistant exhaust fan. Capacities range from 900 to 3,000 cfm (1,529 to 5,097 m^3/hr) and 1 in. wg (248 Pa). Model QEID FJ is AMCA Licensed for FEI, Sound and Air Performance.

Catalog: Mixed Flow Fans - QEI (belt drive), QEID (direct drive)

Tube and Vane Axial Fans

Axial inline fans are designed for ducted indoor or outdoor applications. They are available in both direct drive and belt drive and with cast aluminum or fabricated steel propellers.

Inline or Roof Upblast: Models TDI/TBI-CA

Models TDI/TBI-CA axial fans feature a cast aluminum hub and airfoil blades. The universal mounting system allows for vertical or horizontal installations. Typical applications include clean air, fume exhaust, and spark-resistant construction. Capacities range from 1,300 to 95,000 cfm (2,209 to 161,406 m^3/hr) and 3.5 in. wg (871 Pa). AMCA Licensed for FEI and Air Performance.

Catalogs: *Tube Axial Inline Fans — TDI and TBI-CA Level 3*
Medium Pressure Axial Fans — TBI-CA Level 4 & 5

Inline or Roof Upblast: Model TBI-FS

Model TBI-FS has a fabricated steel hub and airfoil blades. It is suitable for continuous high temperature (400ºF/204ºC max.) for inline configurations, (500ºF/260ºC max.) for roof upblast configuration and is available with UL Power Ventilators for Smoke Control Systems. The universal mounting system accommodates any vertical or horizontal installation configuration. Typical applications involve clean air, industrial processes, and high-temperature exhaust. Capacities range from 6,000 to 77,000 cfm (10,194 to 130,824 m^3/hr) for inline configurations and 6,000 to 76,000 cfm (10,194 to 129,125 m^3/hr) for roof upblast configurations and 4.5 in. wg (1,120 Pa). Bolt-on straightening vanes are available for increased efficiency. AMCA Licensed for FEI, Sound and Air Performance.

Catalog: *Medium Pressure Axial Fans — TBI-FS Levels 3, 4 & 5*

Inline or Roof Upblast: Model AX

Model AX features a cast aluminum hub and airfoil blades which have a manually adjustable blade pitch. The universal mounting system allows for vertical or horizontal installations. Typical applications include clean air and are available with UL Power Ventilators for Smoke Control Systems and UL 705. Bolt-on straightening vanes (AX-V) are available for increased efficiency. Capacities range from 500 to 125,000 cfm (849 to 212,376 m^3/hr) and 5 in. wg (1,244 Pa). AMCA Licensed for FEI and Air Performance.

Catalog: *High Performance Axial Fans — AX*

Model VAB

Model VAB belt drive vane axial fans accommodate for final system balancing and have a manually adjustable blade pitch. These fans are an excellent choice for variable air volume HVAC systems, clean rooms, parking garage exhaust, and tunnel ventilation. For sound critical applications, belt drive vane axial fans are available with Greenheck's sound trap housing. UL/cUL 705 for electrical is available. A complete vibration test on all fans is performed prior to shipment. Capacities range from 2,000 to 145,000 cfm (3,398 to 246,357 m^3/hr) and 7.5 in. wg (1,866 Pa). AMCA Licensed for FEI and Air Performance.

Catalog: *Vane Axial Fans — VAB and VAD*

Sound Trap Housing for Models VAB & VAD

Sound trap housings effectively decrease inlet and outlet sound power levels while only slightly increasing fan length and adding no additional pressure drop to the system.

Catalog: *Vane Axial Fans — VAB and VAD*

Model VAD

Model VAD is a direct drive vane axial fan designed for commercial and industrial applications where large volumes of air are required at moderate to high pressures. Direct drive vane axial fans have a manually adjustable blade pitch and require minimal maintenance. These fans are an excellent choice for variable air volume HVAC systems, clean rooms, parking garage exhaust, and tunnel ventilation. For sound critical applications, direct drive vane axial fans are available with Greenheck's sound trap housing. UL/cUL 705 for electrical is available. A complete vibration test on all fans is performed prior to shipment. Capacities range from 1,200 to 240,000 cfm (2,039 to 407,763 m^3/hr) and 10 in. wg (2,488 Pa). AMCA Licensed for FEI and Air Performance.

Catalog: *Vane Axial Fans — VAB and VAD*

GreenJet® Fans

Vehicles in an underground parking structure or in maintenance facilities emit carbon monoxide (CO) and other noxious fumes into the atmosphere. There is a need for an efficient ventilation system to remove these toxins, circulate fresh air, and assist firefighters in the case of a fire emergency. The GreenJet® series includes a range of performances ideal for parking garage ventilation. Ductless designs use jet fans to dilute and remove contaminants and control smoke. The fans move air toward the exhaust area when installed on the ceiling.

Model GJI

The GJI model, with centrifugal wheel, maximizes the clearance height for vehicles or installations when space and driving clearance is limited. With the lowest GreenJet profile of under 12 inches (305 mm), it easily fits in tight spaces, helping keep clean air in hard-to-ventilate as well as open areas. The GJI utilizes an electronically commutated (EC) motor and a 0-10 VDC or MODBUS signal for speed and volume control. Capacities of 6 lb force of thrust (25N).

Catalog: *Jet Fans Model GJI*

Model GJX

GJX GreenJet fans are used with inlet and outlet silencers, inlet guards, mounting bracket and aluminum die-cast propellers and blades. The GJX features a true airfoil design propeller to move large volumes of air at a high efficiency using a smaller diameter fan. AMCA Licensed for Air Performance (AMCA 210). ULcUL Listed for Electrical (UL/cUL-705) and Power Ventilators for Smoke Control. Capacities of 4-17 lb force of thrust (18-75N).

Catalog: *Jet Fans Model GJX*

Circulators & Mancooler Fans

Air circulators and mancooler fans are designed for applications where localized air direction and circulation are required. Mounting arrangements offer maximum directional flexibility and ease of mounting.

Models IC/ICO

Models IC/ICO (non-oscillating/oscillating) two-speed air circulators are designed for spot cooling and recirculating air in factories, warehouses, manufacturing facilities and garages. Mounting options include wall, post or ceiling bracket, suspension bracket, I-beam mount and pedestal with optional wheel kit. Capacities range from 3,055 to 9,704 cfm (5,190 to 16,487 m^3/hr) of free air. UL Listed Standard 507.

Catalog: *Industrial Air Circulators — IC/ICO*

Model MAC

Model MAC is a two-speed mancooler suitable for moving high volumes of directed airflow in factories, warehouses and agricultural applications. Fans are direct or belt driven with multiple mounting kits including mobile wheel, mobile tiltable carriage, suspension mount, ceiling mount and wall mount. Capacities range from 2,400 to 21,000 cfm (4,078 to 35,679 m^3/hr) at free air. UL/cUL Listed Standard 507.

Catalog: *Mobile Air Circulators — MAC*

High Volume Low Speed (HVLS) Fans

AMPLIFY™ overhead fans provide airflow for effective air circulation and enhanced comfort in commercial and industrial spaces. With a variety of benefits including personnel cooling, humidity control, and heat distribution, these fans are an ideal selection for many applications.

AMPLIFY™ DC-5

Model DC-5 is a five-blade, direct drive HVLS fan designed for commercial spaces with low to medium ceilings. With its sleek design the DC-5 combines comfortable air movement with a variety of unique color options. These fans are effortless to install with the lightest total hanging weight among comparable HVLS fans. Fan diameters between 4.3 and 14 ft. Up to 55,000 cfm, UL/cUL 507, Energy Star Certified (4.3 – 7 ft.), and AMCA Licensed for Circulating Fan Performance (8 – 14 ft.).

Catalog: *High Volume, Low Speed Fans - DC and DS*

AMPLIFY™ DS-3

Model DS-3 is a three-blade, direct drive HVLS fan designed for commercial or industrial spaces with medium to high ceilings. These economical fans are the ideal balance between cost and performance, making them a smart choice for budget-conscious building owners. Plus, with a lighter weight than comparable HVLS fans, the DS-3 is a breeze to install in any building. Fan diameters between 8 and 24 ft. Up to 176,900 cfm, UL/cUL 507 and AMCA Licensed for Circulating Fan Performance.

Catalog: *High Volume, Low Speed Fans - DC and DS*

AMPLIFY™ DS-6

Model DS-6 is a six-blade, direct drive HVLS fan designed for commercial or industrial spaces with medium to high ceilings. As the industry's best performing HVLS fan, the DS-6 delivers unrivaled airflow at incredibly quiet sound levels. Along with reduced operating costs, the DS-6 is clearly the best value HVLS product on the market. Fan diameters between 8 and 24 ft. Up to 243,000 cfm, UL/cUL 507 and AMCA Licensed for Circulating Fan Performance.

Catalog: *High Volume, Low Speed Fans - DC and DS*

AMPLIFY™ with Northern Light® DC-5

AMPLIFY overhead fans with Northern Light® technology combine engineered air movement with the air cleaning benefit of upper-room UV-C lighting making it the right selection for inactivating airborne pathogens. UV-C has been used for decades and the addition of air movement has been shown to increase UV-C's effectiveness in inactivating airborne pathogens in building environments. Fan diameters include 9.8, 13.1 and 16.4 ft. Up to 44,000 cfm.

AMPLIFY™ Controls

Maintain easy operation of HVLS fans by using optional controls to maximize efficiency. Designed for convenience and versatility, all HVLS controls run one or multiple HVLS fans with common communication protocols, and are available with surface or recessed mounting kits.

- Keypad
- Standard touchscreen
- Advanced touchscreen with BACnet®
- Bluetooth Tablet (Northern Light® only)

Sidewall Exhaust, Supply and Reversible Fans

Propeller fans include both direct and belt-driven fans with fabricated steel, aluminum, or cast aluminum blades. These fans are suitable for clean air applications, including exhaust, supply, filtered supply, and reversible. Typical applications are factories and warehouses.

Models AER/S1/S2/SB/SBC

Sidewall propeller fans are available with a wide variety of accessories including wall housings, wall collars, guards, dampers, and weatherhoods. The Vari-Green® EC motor is available on model AER and SE direct-drive fans. Capacities range from 115 to 87,000 cfm (195 to 147,814 m^3/hr) and 2.45 in. wg (610 Pa). AMCA Licensed for Sound and Air Performance. OSHPD seismic certified.

Catalog: *Sidewall Propeller Fans — Exhaust, Supply and Reversible*
Wall Exhaust and Supply Fans — AER

Models SCR3/SBCR

Reversible sidewall fans offer the ability to exhaust or supply air on demand. Performance is equivalent in both the exhaust and supply modes. Capacities range from 2,900 to 70,500 cfm (4,927 to 119,780 m^3/hr) and 0.5 in. wg (124 Pa). OSHPD seismic certified.

Catalog: *Sidewall Propeller Fans — Exhaust, Supply and Reversible*

Model SDPHE

Model SDPHE fans are direct drive type, suitable for ventilating spaces containing flammable or explosive vapors, gases or dusts. For use with NEC Class I, Division I, Groups C and D; NEC Class II, Division I, Groups F and G. Performance capabilities range from 604 to 6,317 cfm (1,026 to 10,733 m^3/hr) and up to 0.5 in. wg (124 Pa). UL/cUL Listed Standard 1203.

Model CBF

Model CBF is designed for economy and reliability in limited space applications. Fits in lieu of standard 16-inch by 8-inch concrete block and is mountable in any wall construction. Works well for ventilating equipment rooms and chases. Capacities range from 300 to 500 cfm (510 to 850 m^3/hr) and 0.4 in. wg (99 Pa).

Catalog: *Transfer Fan — CBF*

Vari-Green® and Greenheck Motor Starters

Greenheck's Vari-Green® products are designed for energy-efficiency, controllability and low maintenance. They are an environmentally progressive option when specifying products for your next project. Greenheck's motor starters are available for both single phase and three phase motors in commercial and industrial applications. They include motor protection as well as the ability to provide controllability. All Greenheck motor starters are available in either indoor or outdoor enclosures.

Vari-Green® Motor

The Greenheck Vari-Green motor is an electrically commutated (EC) motor that operates on single or three phase AC power input and internally converts it to DC power providing better speed control capabilities (up to an 80% turndown) and higher efficiencies (85% efficient at all speeds) than standard motors. The Vari-Green motor blends technology, controllability and energy efficiency in a low maintenance package that is changing the way the industry designs, specifies and operates air movement equipment. Depending on horsepower, Vari-Green motors are available in both single and three phase with a variety of sizes currently available on models AER, RDU, RE/RS, RCE/RCS, SP, CSP, G, CUE, SQ, USF, SE1, and SS1 with either a dial mounted potentiometer (speed control) on the motor or it can accept a 0-10 VDC control signal from an external source.

Vari-Green® Controls

Greenheck's Vari-Green Controls are designed specifically for the Vari-Green motors. Vari-Green controls are available for applications requiring manual operation or demand controlled ventilation (DCV). Applications utilizing DCV controls provide only the desired amount of ventilation, providing building owners savings on their energy bills. Vari-Green Controls available are:

- Manual Controls
  - Remote Dial
  - Touch Remote
- Demand Controlled Ventilation
  - Two-Speed Control
  - Constant Pressure (indoor or outdoor)
  - Hand/Off/Auto (HOA)
  - Air Quality - Volatile Organic Compound (VOC)
  - Air Quality - Temperature/Humidity

Vari-Green® Drive

The Vari-Green Drive (VGD) is a factory-mounted and wired, programmed, variable speed control for motors up to 10 hp. This drive expands the Vari-Green concept of variable speed fans to more models and sizes to fit the expanding ventilation and efficiency needs of the industry. The Vari-Green Drive is available on the AER, CUE, CUBE, G, GB, SCE3, SCS3, SE2 and SS2 models.

Greenheck Motor Starters

Models MSAC, MSSC and MS-1P, MSEM and MSTS provide a wide range of control logic solutions as well as electronic overload protection for the motor. The MSAC and MSSC are three-phase controllers that can be used on any single speed, nonreversible fan with a motor between ¾ hp and 25 hp (1-40 amps). They are capable of integrating with other building controls such as building management systems and thermostats. The MSAC has additional advanced control integration that includes emergency shutdown, fireman's override, damper actuator voltage, end switch monitoring and status output. The MS-1P is a single phase controller that will work on any fan with a single phase motor up to 1 hp (1-16 amps). It also has two control inputs and two status outputs—run and fault.

Utility, Centrifugal and Radial Blowers

Greenheck offers a complete line of heavy-duty centrifugal fans and radial blowers for any commercial and industrial application. Greenheck centrifugal products are used for everyday commercial applications such as providing supply, exhaust, and return air in hospitals, schools, and large office buildings or fume exhaust for laboratories and pharmaceuticals. These products are also well suited for industrial applications involving high-temperature process exhaust, filtration systems, corrosive air exhaust, and material handling.

Utility Centrifugal Fans

The utility fans include both direct and belt-driven fans. They are self-contained units consisting of the fan, motor, and drive for a variety of commercial and light industrial applications.

Model USF

Model USF operates in a broad range of fan applications, typically in ducted systems for exhaust, supply or return air. Versatile construction options allow use in general applications or environments which require spark resistance, high temperature tolerance or resistance to corrosive elements.

Capacities range from 200 to 150,000 cfm (340 to 254,851 m^3/hr) and up to 21 in. wg (5,226 Pa).

Options:

- Belt or direct drive configurations
- Vari-Green® EC motors and drives
- Spark-resistant construction
- UL 705 Power Ventilators Listing
- UL 762 Grease Listing
- UL Power Ventilators for Smoke Control Systems Listing

Certifications:

- AMCA Licensed for FEI, Sound and Air Performance
- OSHPD seismic certified
- Florida Product Approval and Miami-Dade NOA high wind certification

Catalog: Centrifugal Fans Model USF

Double Width - Models BIDW/AFDW

Models BIDW/AFDW operate in non-ducted inlet applications, primarily handling clean air below 200ºF. Higher volume capacities allow for a more compact system design than with single-width fans. Air handling quality bearings with L10 life in excess of 80,000 hours (equivalent to an average life of 400,000 hours). Each fan is three-plane vibration tested prior to shipment. OPTIONS: UL 705 Power Ventilators Listing. Capacities range from 1,500 to 379,000 cfm (2,549 to 643,925 m^3/hr) and 15 in. wg (3,733 Pa). AMCA Licensed for FEI, Sound and Air Performance.

Catalog: *Centrifugal Fans — Models BIDW and AFDW*
Double-Width Centrifugal Fan Performance Supplement

Fiberglass Reinforced Plastic (FRP) Fans

FRP fans are designed for exhausting corrosive air in a variety of applications. Typical applications include wastewater treatment odor control, pollution control scrubbers, and other highly corrosive airstreams. Each FRP fan is constructed using hand lay-up or chop spray manufacturing techniques and every FRP component complies with ASTM specifications C582 and 4167 for fiberglass laminates and pressure blowers. All FRP fans use air handling quality bearings and are AMCA Spark A resistant.

Model BCSW-FRP

Model BCSW-FRP uses a backward-curved centrifugal wheel and comes in both direct and belt drive models. The BCSW-FRP is constructed to exceed the industry standard for vibration with 0.078 in./sec velocity for the belt drive. For light duty, clean air to 170,000 cfm, 16 in. wg (2,488 Pa). AMCA Licensed for FEI and Air Performance.

Catalog: *Fiberglass Centrifugal Fans – BCSW-FRP*

Fabricated Pressure Blowers

Fabricated pressure blowers are suitable for air exhaust or supply applications. Typical applications include cabinet or room pressurization, blow-off systems for moisture removal, combustion air for burners, parts cooling, and fume exhaust.

Model FPB

Model FPB fabricated pressure blowers utilize radial aluminum blade wheels to provide peak performance for systems that require low flow and high pressures. FPB pressure blowers are designed with a totally rotatable steel housing with a baked polyester coating. Capacities range from 200 to 2,500 cfm (340 to 4,248 m^3/hr) and 9.5 in. wg (2,364 Pa).

Catalog: *Pressure Blowers — FPB*

Industrial Process Fans

The industrial process fans menu includes fan types engineered and built for reliable operation in harsh environments where high temperatures, high static pressures, and material handling requirements are encountered.

Open Radial Material Handling Wheel can be utilized for most industrial requirements. Applications include: exhausting abrasive dust such as grinding and buffing wheel exhaust, conveying granular materials such as sawdust, wood chips, fume exhaust, and high temperature air handling.

Wool Type Material Handling Wheel is designed for handling long, fibrous, stringy material. Applications include: conveying long wood shavings, yarns, and paper trimmings. It can also be used for similar applications as the open wheel, but has higher efficiencies.

Industrial Air Handling Wheel is designed for clean air exhaust to slight material handling. Applications include: smoke and heat exhaust, corrosives, heavy fumes, and light dust loading. The air handling wheel is the most efficient in the industrial process fan series.

Capacities range from 200 to 143,000 cfm (340 to 242,959 m^3/hr) and 32 in. wg (7,970 Pa). AMCA Licensed for FEI and Air Performance.

Catalog: *Industrial Process Fans*

Plug Fans

Plug fans are designed and built to provide reliable service in industrial applications where the fan operates unhoused within a pressurized plenum.

Model PLG

Model PLG unhoused plug fans feature compact unit sizes and a high efficiency backward-inclined wheel which makes them ideal selections for HVAC installations, spray booths, air curtains and high temperature applications including ovens, dryers, and kilns. Capacities range from 900 to 71,000 cfm (1,529 to 120,630 m^3/hr) and 8 in. wg (1,991 Pa), and maximum temperature of 800ºF (426ºC).

Catalog: *Plug Fans — PLG*

Plenum Fans

Plenum fans are designed for air handling applications where the fan operates unhoused within a pressurized plenum. Plenum fans are designed to be compact in size, have the flexibility to supply multiple air take-offs and are economically priced.

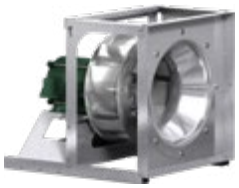
Model OPA

The OPA is a configurable open plenum array designed and optimized for a specified height and width. Each design point will offer multiple solutions allowing for selections based on the most important criteria such as sound, HP, number of fans or overall efficiency. Construction of the OPA is foam filled galvanized steel panels with laser cut and formed galvanized steel structure. The array is fully assembled and factory tested. The OPA can be designed with NEMA premium AC induction motors up to 10 hp or three-phase Vari-Green® motors with integrated drives providing industry-leading IE5 efficiencies. Aluminum wheel construction is standard on all selections with optional airfoil construction available.

Model APD

The APD is a commercial grade plenum fan that incorporates performance and reliability into a lighter duty, economical design. The compact direct drive APD eliminates the cost, maintenance and complexity of traditional belt drive plenum fans. APD is constructed from a formed and bolted galvanized steel frame with a welded and coated steel seven-bladed, backward-curved wheel. Capacities range from 1,000 to 18,000 cfm (1,699 to 30,582 m^3/hr) and 10 in wg. (2,488 Pa)

Model APM – Light to Medium Duty Plenum Fan

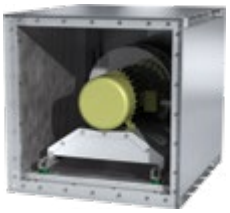


Designed for light and medium duty applications, this model has a galvanized framework at a more cost-effective price point. Efficient operation and lower overall sound with a 12-bladed aluminum airfoil wheel. Units are available in belt and direct drive with a simplified selection of accessories. Capacities range from 1,000 to 41,000 cfm (1,699 to 69,659 m^3/hr) and 8 in. wg (1,991 Pa).

Model APH – Medium to Heavy Duty Plenum Fan

Designed and engineered for medium and heavier duty applications with a fully welded and painted steel configuration. Efficient operation and lower overall sound with a 12-bladed aluminum airfoil wheel. This plenum is available in both belt and direct drive and offers numerous accessories to complement your project. Capacities range from 1,000 to 209,000 cfm (1,699 to 355,093 m^3/hr) and 12.5 in. wg (3,111 Pa).

Model HPA



Model HPA housed plenum fans provide high efficiency while maintaining a compact size and low sound power levels. Utilizing a galvanized framework with integral isolation, the HPA uses a high efficiency, low sound 12-blade wheel with a sound attenuating housing to further reduce sound power levels. HPA fans can be easily stacked together in parallel as a fan array offering 100% redundancy. Capacities range from 900 to 45,000 cfm (1,529 to 76,455 m^3/hr) and 7 in. wg (1,742 Pa).

Catalog: *Plenum Fans — APD, APM, APH and HPA*

Fume Exhaust Systems

Greenheck's fume exhaust systems are designed to safely handle fumes and odors in commercial, industrial and life safety laboratory applications. All systems are pre-engineered to meet application guidelines provided by ANSI, NFPA, and ASHRAE.

Features include guy wire-free discharge stacks to prevent exhaust re-entrainment, spark resistant construction, corrosive resistance coatings, and AMCA Licensed performance data. They can additionally be configured for specialized applications such as high temperature exhaust.

FumeJet® Commercial and Industrial

Greenheck's FumeJet family is a pre-engineered exhaust system that safely removes and disperses contaminated air. Factory supplied and tested combination of a centrifugal blower with a discharge stack provides a quick and easy alternative to a field built-up system. Designed to follow ANSI Z9.2 standard for local exhaust systems, tested to withstand a force of 34 psf without the need for guy wires (equivalent force to 115 mph (185 km/h) wind speed).

Model FJC

Model FJC is a lower cost commercial fume exhaust fan for low volume and low pressure applications. Belt driven, it is available in two materials, either galvanized or chemical resistant coated steel, for environments requiring increased coating protection. Fan has bolted frame construction and Permalock™ sealed scroll. Capacities range from 200 to 5,000 cfm (340 to 8,495 m^3/hr) and 4.5 in. wg (1,120 Pa). FJC is UL/cUL 705 Power Ventilators Listed. AMCA Licensed for FEI and Air Performance (sizes 6-10); AMCA Licensed for FEI, Sound and Air Performance (sizes 12-24). OSHPD seismic certified.

Model FJI

Model FJI is an industrial fume fan with higher performance capabilities and additional options for AMCA Spark B or high temperature construction as well as belt or direct drive. Coated steel scrolls are Permalock™ sealed or continuously welded. Airflow capacities range from 200 to 18,000 cfm (340 to 30,582 m^3/hr) and 9 in. wg (2,240 Pa). FJI is available with UL/cUL 705 Power Ventilators Listed. AMCA Licensed for FEI, Sound and Air Performance.

Catalog for above models: *FumeJet Exhaust Systems*

Discharge Options

Straight Stack
Clean design with uniform straight discharge stack. Most economical discharge option.

No-Loss Stack
Extended overlapping discharge stack reducing the amount of rain entering into fan housing.

Fixed Nozzle
Tapered nozzle discharge increases outlet velocity sending exhaust fumes higher above the roof deck area. Does not negatively impact fan performance.

Adjustable Nozzle
Allows the user to adjust the discharge area based on installed conditions. Four blade positions available.

GREENHECK
Building Value in Air.

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