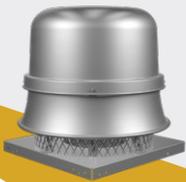


PRODUCT HANDBOOK

A Complete Product Overview



PENNBARRY™

TABLE OF CONTENTS

INTRODUCTION	3
MORE INFORMATION	3
COMMERCIAL CENTRIFUGAL PRODUCTS	4-5
COMMERCIAL CENTRIFUGAL AND MIXED FLOW PRODUCTS	6
COMMERCIAL AXIAL PRODUCTS	7
COMMERCIAL SPECIALTY PRODUCTS	8-9
INDUSTRIAL CENTRIFUGAL & AXIAL PRODUCTS	10-11
ENERGY RECOVERY UNITS AND MAKE-UP AIR PRODUCTS	12
LABORATORY EXHAUST PRODUCTS	13
CONTROLLER PRODUCTS	14
NOTES	15

INTRODUCTION

PennBarry Overview

PennBarry is a leading manufacturer of full service ventilation products for commercial and light industrial applications. Having been formed from the consolidation of several well-known HVAC brands, including Bayley Fans, Penn Ventilation, Barry Blower, Industrial Air, and SupremeFan, many key products from these brands are still made available under the PennBarry name. To stay competitive in today's marketplace and respond to changing customer requirements, PennBarry has continually evolved. Whether it is through the development of new products, exploration of new technology, or simply streamlining manufacturing processes, PennBarry is able to quickly respond to industry trends and market needs in order to serve customers better.

A Greener Future

Having become active with several leading organizations over the years, PennBarry has not only helped improve building ventilation equipment, but has been instrumental in shaping the industry. From advancements in product development and Lean manufacturing to continued expansion of our Health, Safety, and Environmental (HSE) program, PennBarry continues to move towards a more environmentally friendly future.

Moving Your Way

Can you benefit by working with a leaner, more responsive, singlesource HVAC provider? For more information on how PennBarry products can assist you in your next ventilation application, talk to your knowledgeable PennBarry Sales Representative, or simply contact us through our website.

					
1860	1920	1947	1947	1977	2005
Bayley Fan Established	Penn Ventilation Established	Barry Blower Established	Industrial Air Established	SupremeFan Established	PennBarry Established

MORE INFORMATION

Product Guides and Technical Specifications

Contact your local PennBarry representative or visit our website to obtain a copy of our Commercial, Industrial, or Kitchen Product Guides and Technical Specifications which include engineering information, dimensional drawings, performance data, engineering specifications, and more.

Selection Software

Make the process of selecting PennBarry ventilation products simple by downloading our EDGE™ selection software. It provides all the tools you need to specify products for your application, including performance, drawings, options, and accessories.

Website - www.PennBarry.com

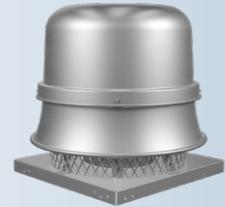
Whether you are in need of a Revit BIM block, a replacement part, a local PennBarry representative, or additional product information, you will find it with ease on our website, located at www.PennBarry.com.



COMMERCIAL CENTRIFUGAL PRODUCTS

DOMEX | DX

- Roof-mount, spun aluminum downblast
- Direct or belt drive, **Gplus** EC motor option
- Application: General exhaust for schools, churches, and office buildings
- Capacity: Up to 39,150 cfm; 0 - 2.0" w.g.
- Miami-Dade Approved for High Velocity Hurricane Zones (NOA# 10-0615.09)



FUMEX | FX

- Roof-mount, spun aluminum upblast; direct or belt drive; **Gplus** EC motor option
- Application: Fumes, commercial kitchens, and exhaust of other contaminants
- U.L. Listed for Smoke Control Systems (500°F / 4-Hours; 1000°F / 1-Hour)
- U.L. 762 Listed for Grease Laden Air Exhaust (400°F)
- Capacity: Up to 21,511 cfm; 0 - 4.0" w.g.
- Miami-Dade Approved for High Velocity Hurricane Zones (NOA# 10-0615.09)



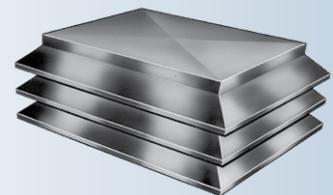
LC DYNAFAN | LC

- Roof-mount, low contour downblast
- Direct or belt drive
- Application: General exhaust for schools, churches, and office buildings
- Capacity: Up to 17,516 cfm; 0 - 1.5" w.g.



LINEA | LF

- Roof-mount, low contour downblast
- Architectural, tiered hood design
- Direct or belt drive
- Application: General exhaust for schools, churches, and office buildings
- Capacity: Up to 17,920 cfm; 0 - 1.5" w.g.



ZEPHYR | Z

- **Gplus** motors and ENERGY STAR® available on select models
- Ceiling or inline mount
- Low sound levels
- Direct drive
- Application: General exhaust for lavatories, conference rooms, and institutions
- Capacity: From 32 - 3,290 cfm; 0 - 1.5" w.g.
- U.L. Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit



COMMERCIAL CENTRIFUGAL PRODUCTS

ZEPHYR QUIET | ZQ

- **G_{plus}** motors for higher efficiency and control
- Compact size
- AMCA certified ratings for Air & Sound Performance
- ENERGY STAR® certification
- Built-in time delay
- Underwriters Laboratories (UL) 507 certification



ZEPHYR REVOLUTION | ZRB

- Ceiling or inline mount
- Low sound levels; EC motor
- Application: General exhaust for lavatories, conference rooms, and institutions
- Capacity: From 100-500 cfm; 0-1.0" w.g.
- Selection of grille designs including Energy Star lighted grilles
- UL 705 and UL 507 listed for use over bathtubs and showers when connected to a GFCI protected branch circuit



ZEPHYR CABINET | ZC, ZCC

- Inline duct-mount
- Belt drive
- Application: General purpose duct blower for heating/cooling systems
- ZC (Single) Capacity: From 750 - 6,350 cfm; 0 - 1.5" w.g.
- ZCC (Twin) Capacity: From 1,500 - 12,700 cfm; 0 - 1.5" w.g.



MUFFAN | MU, FS

- Roof-mount filtered supply
- Direct or belt drive
- Side Intake (FS Model)
- Application: Supply fresh air to buildings or systems by replacing the exhaust of contaminated air (e.g. Commercial kitchens)
- Capacity: Up to 14,426 cfm; 0 - 1.5" w.g.



CENTREX INLINER | SX

- Square inline duct-mount
- Direct or belt drive; **G_{plus}** EC motor option
- Application: Supply, return, or exhaust air for general HVAC systems
- Capacity: From 103 - 27,500 cfm; 0 - 3.5" w.g.
- Inlet filter box with 1" or 2" filters



COMMERCIAL CENTRIFUGAL AND MIXED FLOW PRODUCTS

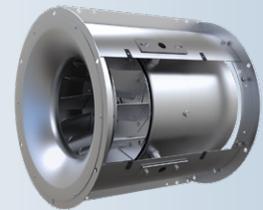
MIXED FLOW INLINE FAN | MXI

- Highly efficient mixed flow wheel
- Best in class for static efficiency
- Direct or Belt drive
- Application: Inline supply, exhaust, and return air
- Capacity: Up to 83,000 cfm; 0 - 4.5" w.g.



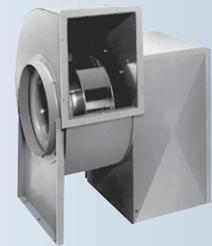
ROUND CENTREX | REX

- Tubular inline duct-mount
- Aluminum construction
- Direct or belt drive
- Application: Supply or return air; exhaust fumes or humid air
- Capacity: Up to 22,054 cfm; 0 - 3.0" w.g.



DYNAMO | D

- Class I heavy-gauge galvanized steel, roof/floor/inline mount utility blower
- Direct or Belt drive; Gplus EC motor option backward inclined wheel
- Application: Commercial kitchen and fume exhaust, building pressurization and fresh air supply
- U.L. 762 Listed for Grease Laden Air Exhaust (500°F)
- UL Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 41-minutes)
- Capacity: Up to 36,000 cfm; 0 - 5.0" w.g.



EFFICIENT SILENT ARRAY | ESA

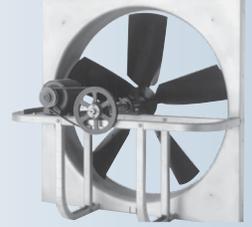
- Modular, scalable, and stackable design capable of standalone applications
- Cooling Coil Fan Array
- Application: Air handlers, rooftop units, and retrofit applications for commercial facilities such as, telecom data centers, commercial facilities, healthcare facilities, and schools
- Capacity: Up to 42,000 cfm; 0 - 12.0" w.g.



COMMERCIAL AXIAL PRODUCTS

BREEZEWAY | P, BX, BC, BLL, BHM, BHH, BCH

- Wall-mount propeller fans
- Direct or belt drive
- Application: General supply and exhaust for warehouses, factories, and mechanical rooms
- Capacity: Up to 68,172 cfm; 0 - 1.0" w.g.



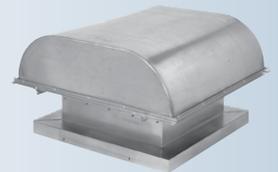
SWP SERIES WALL PROPELLER FANS | SWP

- Stamped aluminum propeller with powder coated steel hub
- Direct drive with **G⁺plus** motor
- Application: garages, factories, warehouses
- Capacity: Up to 4,500 cfm; 0 - 1.0" w.g.



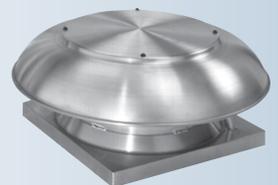
POWERED AIRETTE | AC, AF

- Hooded, roof-mount propeller fans
- Direct or belt drive
- Application: Supply fresh air or exhaust hot, humid, and/or foul air
- Capacity: Up to 72,755 cfm; 0 - 0.5" w.g.



DOMEX AXIAL | DAE

- Roof-mount, low contour propeller downblast
- Application: General exhaust for low pressure systems
- Capacity: Up to 2,400 cfm; 0 - 1.125" w.g.



HI-EX | HC, HX, HF, HZ, HS

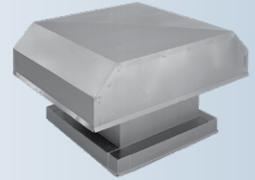
- Roof-mount propeller upblast
- Direct or belt drive
- Standard height or low profile
- Application: Rapid air removal or general ventilation exhaust
- U.L. Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 15-minutes)
- Capacity: Up to 82,481 cfm; 0 - 1.0" w.g.



COMMERCIAL SPECIALTY PRODUCTS

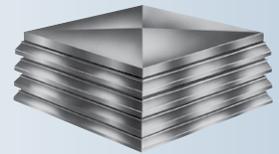
GRAVITY AIRETTE | AEG

- Hooded roof gravity ventilators
- Galvanized or aluminum construction
- Application: Building pressure relief and fresh air intake
- Capacity Range: Up to 72,000 cfm



PENNHOUSE | PH

- Roof-mount architectural tiered hood design
- Gravity air intake or relief
- Application: Building pressure relief and fresh air intake
- Compatible with Linea centrifugal exhausters



PENNHOUSE HIGH WIND | PHHW

- Miami-Dade approved
- Gravity air intake or relief
- Application: Building pressure relief and fresh air intake
- Maximum windload ± 110 psf (5.27 kPA).



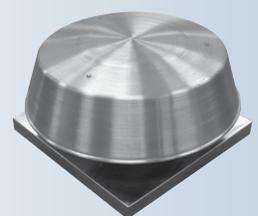
GRAVITY VENTILATORS | PT, HPA, PA

- Turbines: General ventilation of factories, farm/agricultural buildings, commercial/public structures, and homes
- Pul-Air for air exhaust with no moving parts
- Insul-Air for extended airshaft to clear roof peaks, etc.



WEATHER CAPS | WCC, WCF

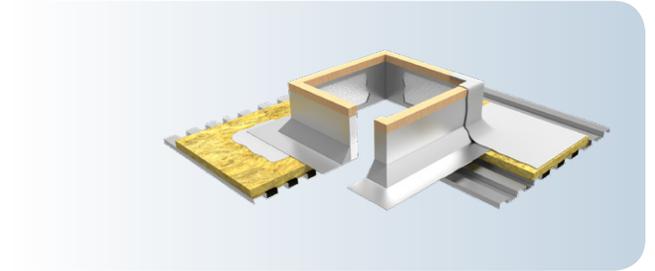
- Low silhouette, spun aluminum design
- Application: Pressure relief, discharge cap, outside air inlet hood
- Capacity: Up to 20,000 cfm



COMMERCIAL SPECIALTY PRODUCTS

ROOF CURBS | RC

- Prefabricated roof curbs for roof mounted ventilation equipment
- Unibeam with straight wall (U)
- Self flashing (SF)
- Unibeam with cant strip (US)
- Unibeam with raised cant (UR)
- Ultra Sonotrol
- Vented



INDUSTRIAL CENTRIFUGAL & AXIAL PRODUCTS

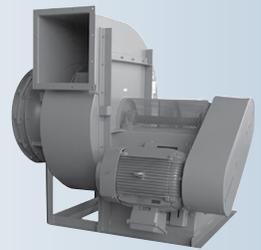
VCR

- Class I, II, III, IV construction, free standing SWSI/DWDI centrifugal fan
- Direct or belt drive (Arr. 1, 3, 4, 7, 8, 9, 10)
- Backward inclined and airfoil wheels
- Application: Exhaust and supply in typical duct systems; able to handle many special environments such as high temperature, corrosive, spark resistant, and commercial kitchen
- Capacity: Up to 460,000 cfm; 0 - 18" w.g.
- UL762 Listed for Grease Laden Air (300°F & 500°F), CFM = 246,000 in SWSI
- UL Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 1-hour)



INDUSTRACON | IND

- Heavy-duty, high pressure construction, free standing SWSI industrial fan
- Direct or belt drive (Arr. 1, 4, 9, 10)
- 3 Wheel Types: General, fibrous material handling, and air handling
- Application: Ventilation or exhaust of dust, granular materials, and fibrous materials as well as air handling
- Capacity: Up to 68,000 cfm; 0 - 30.0" w.g.



MIXED FLOW | ESI

- Class I, II heavy-gauge steel, mixed flow inline fan
- Belt drive; patented wheel design
- Application: Exhaust, supply, or return air in ducted (medium to high) pressure systems requiring lower sound levels
- Capacity: Up to 155,000 cfm; 0 - 7.0" w.g.
- U.L. 762 Listed for Grease Laden Air (300°F & 500°F)
- U.L. Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 1-hour)



TUBULAR INLINE | TUB

- Class I, II, III heavy-gauge steel construction, tubular centrifugal inline fan
- Belt drive
- Backward inclined and airfoil wheels. Horizontal or vertical mount
- Application: Exhaust, supply, or return air in ducted (medium to high) pressure systems
- Capacity: Up to 221,000 cfm; 0 - 14.5" w.g.
- U.L. 762 Listed for Grease Laden Air (300°F & 500°F)
- U.L. Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 1-hour)



TUBULAR CENTRIFUGAL INLINER | TCI

- Tubular centrifugal inline fan
- Aluminum airfoil wheel, Horizontal or vertical mount
- Belt Drive
- Certified for AMCA Sound and Air Performance, UL 705
- Application: Exhaust, supply, or return air in ducted medium pressure systems
- Capacity: up to 7,500 cfm; 7.0" w.g.



INDUSTRIAL CENTRIFUGAL & AXIAL PRODUCTS

SUPREME FAN | GBH

- Heavy duty, welded construction
- Curb mounted, belt driven, easy maintenance and cleanability
- Applications: Exhaust of grease-laden air from commercial kitchens
- Capacity: 500 - 14,000 cfm, 0 - 5" w.g.
- U.L. 762 Listed for Grease Laden Air



PLENUM/PLUG | ESP

- Class I, II, III heavy-gauge steel construction, unshoused centrifugal
- Direct and belt drive
- High efficiency airfoil (size 182 - 890) wheels
- Application: Supply air in a pressurized plenum for built-up air handling system; excellent for retrofit or replacement systems
- Capacity: Up to 250,000 cfm; 0 - 8.0" w.g.



WALL PROPELLER FANS | PND, PNB, MBP

- Heavy-duty construction, wall-mount propeller fans
- Direct or belt drive
- Application: Supply/Exhaust for warehouses, factories, and mechanical rooms
- Capacity: Up to 323,000 CFM; 1.5" w.g.
- Aluminum or steel propeller available



TUBEAXIAL | TXD, TXB

- Low to medium pressure ducted applications
- Direct or belt drive
- Horizontal or vertical mount
- Application: exhaust contaminated/hot air and supply air to cool/pressurized interior spaces
- Capacity: Up to 256,000 cfm; 0 - 2.5" w.g.
- Aluminum or steel propeller available



VANEAXIAL | VXD, VXB

- High pressure ducted applications
- Direct or belt drive; horizontal or vertical mount
- Fixed aluminum or steel
- Application: exhaust contaminated/hot air and supply air to cool/pressurized interior spaces
- Capacity: Up to 118,000 cfm; 0 - 7.0" w.g.
- U.L. Listed for Smoke Control Systems (500°F / 4-hours; 1000°F / 15-minutes - VXD steel propeller only)



ENERGY RECOVERY UNITS AND MAKE-UP AIR PRODUCTS

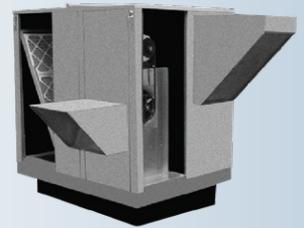
ENERGY RECOVERY | MV

- Small footprint energy recovery units; **Gplus** EC motor option
- Application: Recover exhaust air energy and reintroduce it into conditioned space
- Compact design for ceiling mount with multiple intake/discharge arrangements
- Capacity: Up to 1,500 cfm, 0 - 1.0" w.g.
- AHRI Certified desiccant wheel technology



ENERGY RECOVERY | D, M, N, O, S

- Stand-alone energy recovery units
- Application: Recover exhaust air energy and reintroduce it into conditioned space
- 5 Configurations: Rooftop downward discharge; rooftop side-by-side; rooftop over-and-under; mechanical room side-by-side; mechanical room over-and-under
- Capacity: Up to 12,000 cfm, 0 - 1.5" w.g.
- AHRI Certified desiccant wheel technology



ENERGY RECOVERY WITH HEATING AND COOLING | G

- Stand-alone energy recovery units
- Application: Recover exhaust air energy and reintroduce it into conditioned space
- Rooftop downward discharge with provisions for heating and cooling
- Capacity: Up to 12,000 cfm, 0 - 3.5" w.g.
- AHRI Certified desiccant wheel technology



ENERGY RECOVERY STATIC CORE | MC

- Static plate ERV: **Gplus** EC motor option
- Application: Recover exhaust air energy and reintroduce it into conditioned space
- Compact design for ceiling mount with low maintenance and washable heat exchanger
- Capacity: Up to 1,00 cfm, 0 - 1.0" w.g.
- AHRI Certified plate to plate heat exchanger



MAKE-UP AIR | SDF, IDF

- Direct-fired or indirect-fired gas heating and ventilation
- ETL Listed and CSA Certified to ANSI design standards
- Application: Supply tempered fresh air to buildings or commercial kitchens by replacing the exhaust of contaminated air
- Capacities: Direct-fired – up to 1,500 mbh and 14,000 cfm; indirect-fired – up to 1,200 mbh and 14,800 cfm



LABORATORY EXHAUST PRODUCTS

COMMERCIAL LAB EXHAUST | vPlume™

- Roof mounted upblast
- Plenum mounting of multiple fans
- Belt Drive
- Application: High velocity fume exhaust of laboratories, hospitals, research centers, and institutions
- Capacity: Up to 84,000 cfm, 5.0" w.g.



CONTROLLER PRODUCTS

MULTI-SPEED CONTROLLER | IQ-MS

- Remote interface for setting, monitoring, and switching between two independent motor speeds for a single motor/fan
- Dual set-point interface
- Analog Output 0-10 VDC signal for EC motor control
- Includes onboard digital multi-meter nodes to provide set-point and RPM measurements
- LED indicator flashes set-point value providing visual confirmation of operating speed



VARIABLE FREQUENCY DRIVE | VSA, VSC

- 115V, 230V, 460V, 575V
- Up to 30 HP
- IP20 and IP66 enclosure options
- UL and CE certified



INTELLIGENT PRESSURE CONTROL MODULE | IQ-IPCM

- Precise pressure control suitable for low pressure applications (-1.25 to +1.25" w.g.)
- Multi-color backlight LCD display
- 4 button membrane keypad for simple menu navigation
- Analog Output 0-10 VDC signal for EC motor control
- Interlocks for controlling up to two appliances NEMA 1 enclosure
- Application: Ideal for multi-story, or high rise environment where maintaining specific duct pressure is desired, such as make up air, clothes dryers, kitchen hoods, and bathroom exhaust





NOTES

PENNBARRY PRODUCT SOLUTIONS



Commercial

- Roof & wall exhaust centrifugal fans
- Ceiling, wall, & inline centrifugal fans
- Roof supply centrifugal fans
- Square & round centrifugal fans
- Wall mounted axial fans
- Hooded roof axial fans
- Upblast roof axial fans
- Gravity ventilators
- Roof curbs



Industrial

- Freestanding centrifugal fans
- Industrial & material handling fans
- Tubular centrifugal inline fans
- Mixed flow centrifugal fans
- Plug & plenum fans
- Wall mounted propeller fans
- Tube axial fans
- Vane axial fans
- Bifurcator fans
- Lab exhaust



Kitchen ventilation

- Make-up air units
- Exhaust fans



Energy recovery

- Outdoor units
- Indoor units

PennBarry is proud to be your preferred manufacturer of commercial and industrial fans and blowers. Learn how PennBarry can assist you in your next application by contacting your PennBarry Representative or visiting us on the web at www.pennbarry.com

PennBarry | www.pennbarry.com | pennbarrysales@pennbarry.com | Tel 972 212 4700 | Fax 972 212 4702

PennBarry reserves the right to make changes at any time, without notice, to models, construction, specifications, options and availability. This document illustrates the appearance of PennBarry products at the time of publication. View the latest updates on the PennBarry website.

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PENNBARRY™