PTI PELONIS TECHNOLOGIES, INC.

www.pelonistechnologies.com

OVERVIEW

Pelonis Technologies is a leading innovator of air movement technologies, cooling fans and blowers, motors, and specialty heating products for commercial and industrial use.

We offer high quality products at competitive costs and employ flexible manufacturing techniques that enable us to respond to large and small-scale requirements. Our goal is to provide our customers with significant value-added services, ready solutions, or custom designs to meet their needs.

QUALITY STANDARDS

Our manufacturing facilities are ISO 9000 and ISO 14000 certified. We are also in strict compliance with the highest industry standards, including UL, CUL, CE, and TUV requirements. Our staff is highly trained in all appropriate technical and quality control inspection areas and has a deep knowledge of fulfilling customer requirements while meeting all necessary industry standards.

QUALITY CONTROL PROCEDURES

Our facilities engage in many high quality control procedures, including testing for high temperatures with ovens that range from -40°C to +100°C.

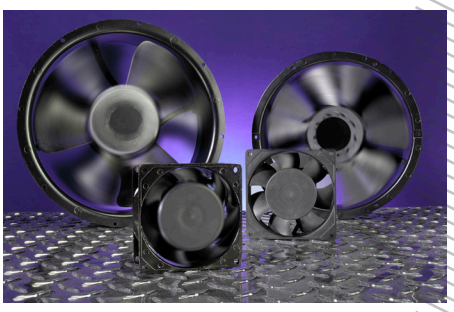
The ruggedness and reliability of our components are ensured with continuous endurance testing. We offer burn-in testing procedures to ensure products can withstand the most difficult operating conditions. Our facilities use only the highest quality components that meet or exceed demanding industry standards such as ANSI, ASA, and MIL STD. To ensure the best longevity for our products, we also provide L-10 life testing procedures to monitor product life.

CUSTOMIZATION SERVICES

We supply and manufacture for both large and small scale requirements, with flexibility and competitive prices that meet the needs of a wide range of customers. In addition to many standard options, our fans, blowers, motors, and heaters are fully customizable to meet the most difficult industrial conditions.

Contact Pelonis Technologies to learn more about our diverse variety of fans, blowers, motors, and heating products. Our team of experts can design and manufacture products to suit your application requirements.

Axial AC Fans



AC fans include high quality ball or sleeve bearing systems that ensure quiet operation and long trouble-free life. Models include long life metal and reverse impeller types, low noise and high efficiency designs. Added-value features include application specific terminals, connectors, wire, and insulation.

Sizes: 60mm to 254mm • Voltages: 120V/230V/Dual Voltage • Bearings: Ball or Sleeve
Optional Features: Tachometer - Rotation Detector (some models)

Brushless DC Fans

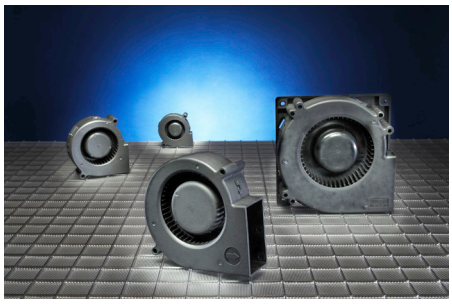
Brushless DC fans are energy efficient and come in compact sizes that can be customized according to airflow, pressure, and noise requirements. Added-value features include application specific terminals, connectors, wire, and insulation. IP protection is optional on some models.

Sizes: 25mm to 180mm • Voltages: 5V/12V/24V/48V • Bearings: Ball or Sleeve
Optional Features: Tachometer - Rotation Detector - PWM - Over Voltage Protection - Locked Rotor Protection - Inrush Current Protection - Constant Speed

Micro Fans & Slim Micro Blowers

Micro Fans and Slim Micro Blowers are ideal thermal cooling solutions for applications that have limited space with restricted power budgets. They manage heat generation effectively, are energy efficient, and have a long operating life.

Sizes: 15mm to 30mm • Voltages: 3~5V standard • IP58 Protection



Compact Blowers

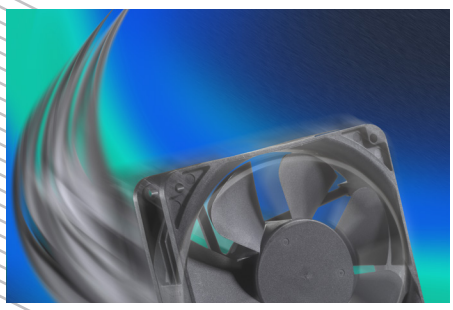
High performance AC and DC compact blowers are ideally suited for servers, workstations, telecommunications equipment, and other demanding applications that need a compact and reliable means of cooling.

Sizes: 50mm to 200mm • Voltages: 120V/230V/12V/24V/48V
Optional Features: Tachometer - Thermal Speed Control - Alarm - PWM

Micro Blowers

Micro Blowers are ideal thermal cooling solutions for applications that have limited space with restricted power budgets. They manage heat generation effectively, are energy efficient, and have a long operating life. Models include single or dual outlet foward curve designs.

Sizes: <25mm • Voltages: 3~5V standard • IP58 Protection



High Performance Fans

PTI high performance fans are suited for very demanding applications requiring EXTRA HIGH PERFORMANCE and EFFICIENCY including high static pressure and high airflow in compact sizes. Optional features include Intelligent Motion Controls for advanced speed control, life detection, and constant speed operation.

Sizes: 80mm, 92mm and 120mm • Voltages: 5V/12V/24V/48V

Weather Resistant Fans

Brushless DC fans can can be coated with multi-level protective solution of the fan PC board, frame, and motor to make them “Weather Resistant” against dust and moisture. Ingress Protection (IP) rated fans suit the most demanding applications for indoor or outdoor use.

Sizes: 25mm to 180mm • Voltages: 5V/12V/24V/48V • Bearings: Ball or Sleeve

Fan Accessories

Wire guards, plastic fan guards, and fan filter kits can be added to many fan sizes for increased protection. Additional accessories include power cords in 45, 90, and 180 degree configurations and up to 72 inch lengths. Custom sizes available upon request.

Guard Sizes: 30mm to 254mm • Cord Lengths: 12”, 24”, 36”, or 72” - Meet UL .25 diameter plug gauge test • Fan Filter Kits include 30 PPI or higher density foam filter

Fan Trays

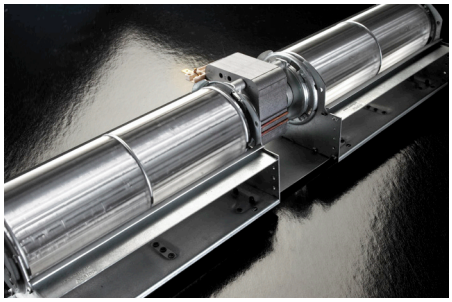
Technologically advanced AC and DC cooling fan trays can be positioned in high heat generating locations. Designs include standard single tray (3 fans), or add additional modules and position them in the most heat sensitive areas of the enclosure. Trays can be customized with various fan sizes and voltages.

Sizes: 120mm fans (standard) • Voltages: 115V/230V/Multiple DC • Bearings: Ball
Tray Configurations: 330 CFM per module (990 max). DC trays - 3 fans/tray + up to 100

Crossflow Fans

Single and dual crossflow fans include models with uniquely angled air inlets and outlets that provide high air flow and cooling efficiency commonly found in larger fans. Crossflow Fans can be customized to specific motor sizes, impeller lengths, and power requirements.

Sizes: Vary by motor and impeller sizes • Voltages: 120V/230V/12V/24V/48V

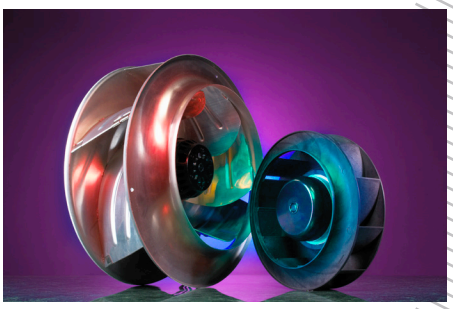


HVAC Forward Curve Fans

AC and DC forward curve centrifugal fans are compact and rugged and include lubricated maintenance-free ball bearings for vibration-free operation. Innovative motor designs incorporate EC fan technology for ultra high efficiency. Up to IP54 rating with long life operation and Insulation Class F.

Sizes: 133mm to 320mm • Voltages: AC-120V/230V/380V DC-24V/37.5V/48V

HVAC Backward Curve Fans



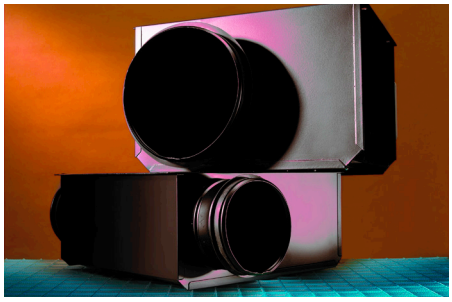
AC, DC, and EC backward curve motorized impellers with high efficiency inlet designs, lubricated maintenance-free ball bearings, and vibration-free operation. Compact and rugged construction. IP rated with long life operation and insulation Class F.

Sizes: 133mm to 630mm; Voltages: 120V/230V/277V/380V/24V/48V
Features: Tachometer • PWM speed control input

HVAC Axial Fans

Heavy duty AC axial fans for commercial applications incorporate EC fan technology for ultra high efficiency and include lubricated maintenance-free ball bearings for vibration-free operation. IP rated with long life operation. Rugged cold rolled steel construction. Insulation class F.

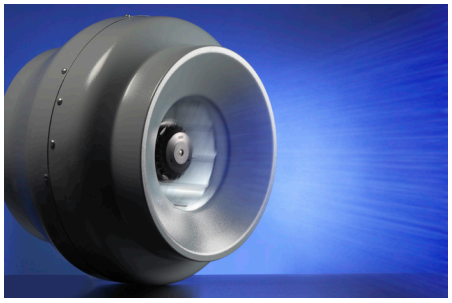
Sizes: 190mm to 800mm • Voltages: 120V/230V/400V/460V



HVAC Box Fans

Box fans are lightweight, have a slim design, and are suitable for low height installation areas. They can connect directly to piping and can blow, exhaust, filter, or recirculate air. Vibration-free operation, low noise, compact and rugged construction. IP rated w/30,000 hours operation and Insulation Class F. Include three speed control, ABS connection box with connection wiring, and galvanized steel housing.

Sizes: 100mm to 160mm • Voltages: 120V/230V



HVAC Circular Duct Fans

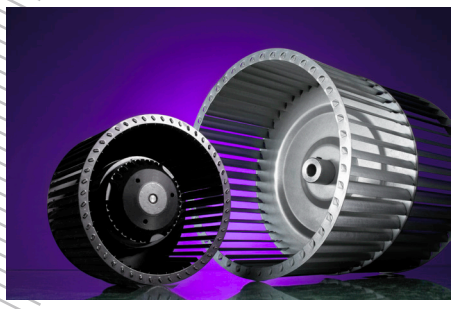
Circular duct fans are designed with backward curve impellers that are integrated into the external rotor motor, thereby increasing cooling capacity and airflow efficiency. Vibration-free operation, low noise, compact and rugged construction. IP rated w/30,000 hours operation and Insulation Class F.

Sizes: 100mm to 315mm • Voltages: 120V/230V

Automotive Fans

EC Twin Centrifugal and Condensation/Evaporation automotive fans are quiet, very efficient, lightweight, and have an operating life of over 20,000 hours. New designs include EC motor technology that provides greater energy efficiency and can operate from -20 degrees to +85 degrees Celsius.

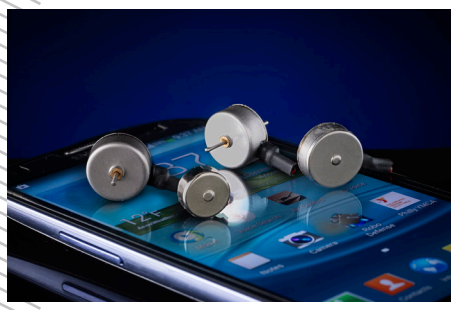
Sizes: 300mm circular type, 350mm Twin type • Voltages: 26V • Bearings: Ball
Optional Features: Tachometer - Speed control input Pulse Width Modulation (PWM)



Rotors

All-metal construction rotor fan blades in various sizes can be used in forward curve centrifugal fans, in-line fans, or other cooling systems. High efficiency blade designs. Custom sizes available upon request based on quantities.

Sizes: up to 380mm



Micro Motors

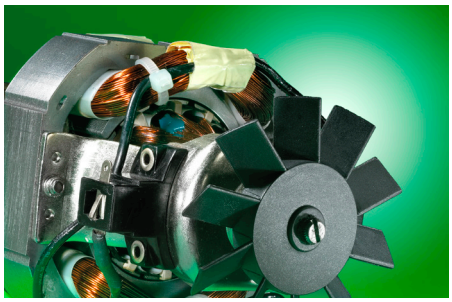
Micro Motors are innovative miniature solutions for applications that have limited space with low power requirements. They are energy efficient, have low EMI, and have a long operating life. Micro Motors come in single or dual shaft designs and also include a vibration notification model to alert end users.

Sizes: 10mm to 13mm • Voltages: 3V/5V • Bearings: Axially-Grooved

AC Induction Motors

Shaded pole induction motors include C-frame and open construction designs that are manufactured for quiet operation and long trouble-free life. Various models are made to withstand high humidity and abnormal environmental conditions.

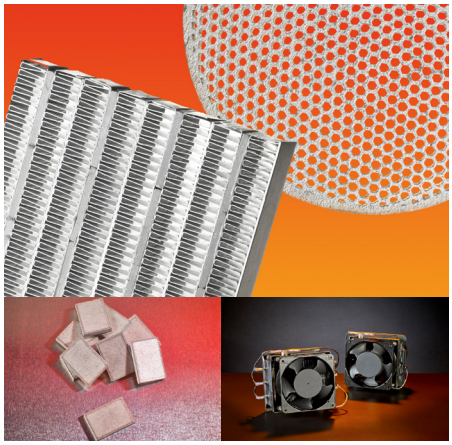
Sizes: Stack sizes from 10mm > • Voltages: 120V/230V • Bearings: Ball or Sleeve



PTC Heaters

Ceramic PTC heaters have a high Positive Temperature Coefficient (PTC) and are commonly used for heat generation, temperature sensing, and initial current applications. Various sizes can incorporate cooling fans to make compact heating systems for use in commercial, automotive, medical, and consumer applications. PTC assemblies and individual sizes can be customized accoring to application and power requirements.

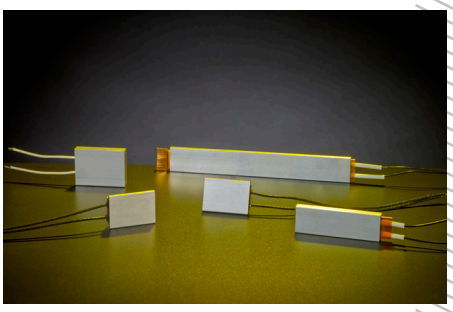
Sizes: Vary based on requirements • Voltages: 120V/230V/5V/12V/24V/48V



PTC Heat Conductors

PTC heat conductors are effective natural convection heaters with aluminum extrusion fins allowing effective heat transfer into ambient air with or without the use of a fan. They are safe, energy efficient, and have a low cost of operation with high reliability. Multi-stage units also provide higher flexibility in temperature control by allowing two or three temperature settings in a single heating unit.

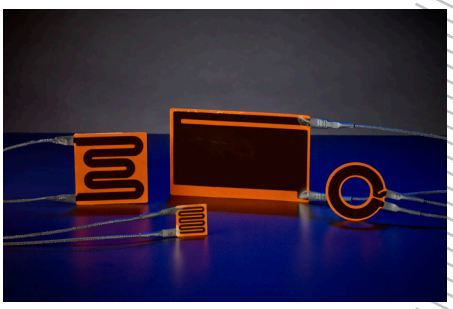
Sizes: Vary based on application • Voltages: AC/DC 5V~500V • Power: 2W~2000W



Ultra-Thin Flexible Heaters

Ultra-Thin Flexible Heaters are light and flexible and feature excellent physical and electrical properties that result in thermal stability over a wide temperature range and can operate safely and efficiently from as low as -150°C up to 250°C. Ultra-Thin Flexible Heaters are EMF-free and can be used in a wide variety of applications with limited space including medical devices, electronics, aerospace and defense, and others.

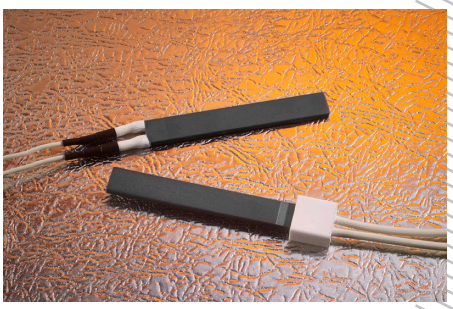
Sizes: Vary based on application • Voltages: AC/DC 1.5V~600V

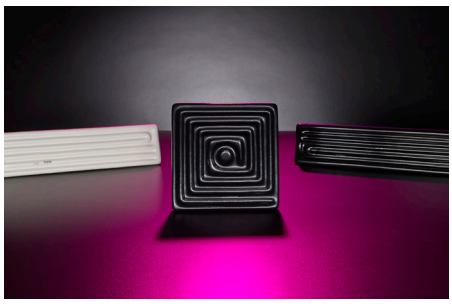


High Temperature Immersion Heaters

High Temperature Immersion Heaters have excellent insulation properties and thermal conductivity. They can heat up to 1200°C in a dry environment and can achieve up to 98% heat efficiency under water. High Temperature Immersion Heaters are safe, durable, and environmentally friendly and their superior performance and compact shape allows for greater flexibility in end product design.

Sizes: Vary based on application • Voltages: 110V/220V

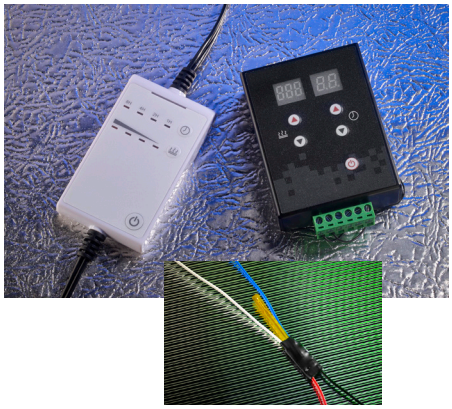




Infrared Ceramic Heaters

Infrared Ceramic Heaters are ideal for medical, industrial, and engineering applications that require robust heaters with long wave infrared technology. They are safe, energy efficient, and have a long service life. Infrared Ceramic Heaters have stable surface temperatures, produce a strong intensity of radial thermal energy, and are resistant to oxidation and corrosion.

Sizes: 120mm to 240mm • Voltages: 100V~240V



Temperature Controllers

Temperature controllers are used in heater products for lab testing, room heating, or end product temperature control.

Micro temperature controllers are small and lightweight and can be used with Ultra-Thin Flexible Heaters and products with limited space.

4-Phase temperature time controllers use PWM to control power input. The output temperature varies depending on the heater device.

Digital Temperature Time Controllers are designed for precise heating and can be used in flexible heaters, far infrared heaters and low current PTC Heaters and Heat Conductors.

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www.pelonistechnologies.com

1.888.546.0524 | 1.610.594.6000 | sales@pelonistech.com | www.pelonistechnologies.com