



Cross flow fan 12v

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Cross flow fans from Pelonis Technologies are constructed from a temperature-resistant aluminum alloy to withstand high heat environments. Characterized by a long, rectangular shape, cross flow fans are ideal for areas where space is limited. They are available in AC, DC and high-efficiency EC types, as well as numerous sizes and efficiencies for any application. Our cross flow fans are specially designed to minimize vibration and maintain a low noise ratio.

Used widely throughout the HVAC and electronics industries, cross flow fans produce an even laminar airflow to keep components from overheating. Cross flow fans deliver a fairly two-dimensional flow and can be mounted horizontally or vertically. This type of fan is commonly used in a variety of commercial and industrial applications.

Cross flow fans from Pelonis Technologies also include a variety of value-added benefits. We implement special coating methods to reduce motor winding noise and improve the service life of our products. We also use high-quality bearings with proven quality standards to ensure that our products meet the highest performance expectations.

There are three main types of cross flow fans, including AC, DC, and high-efficiency EC cross flow fans. Each type provides a unique set of characteristics that make them a viable solution for different applications.

The major distinction between a centrifugal fan and an AC cross flow fan has to do with the method of air flow. The AC cross flow fan features transverse airflow that passes directly through the fan twice rather than through an inlet. Featuring quieter airflow, a compact airflow, and a high-pressure coefficient, these fans are an ideal choice for electronics and appliance applications using an AC power source.

High-efficiency EC cross flow fans are centrifugal fans which introduce airflow through the fan instead of an inlet. These fans use electronically commutated motors, which function on AC power but generate magnetic fields in the fashion of a brushless DC motor. These properties give this fan the best features of AC and DC fans for maximum energy efficiency. EC cross flow fans feature long service life, precise control, and versatile speed capabilities.

Cross flow fans and blowers provide the best solution in instances requiring uniform and broad airflow in limited space combined with high-pressure and velocity at low noise and vibration levels. Examples of use cases for cross flow fans include:

All cross flow fans produced by Pelonis Technologies are rigorously tested for quality and are RoHS-compliant. Our highly trained quality control team ensures that our cross flow fans meet or exceed all relevant industry standards. We use advanced quality test equipment to check a broad range of actors,



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including fan noise performance and component dimensions, airflow performance, static pressure, and speed. Our quality control procedures ensure the endurance, durability, and temperature resistance of our products. You can trust us to deliver the results you need.

At Pelonis Technologies, we take pride in producing exceptional AC/DC fans and motors. For more information regarding our wide selection of cross flow fans, feel free to browse our online catalog. If you need help selecting the right fan for your particular application, please contact one of our experts today. We're happy to help.

Mechatronics is a privately held marketing, distribution and manufacturing company founded in 1979. Today, the corporation is comprised of four operating groups that serve diverse markets.

DC 12V Cross Flow Radiator Ventilation Fan with Fg/Rd/PWM Function. The cross flow fan adopts a novel and unique design, and its impeller is multi-bladed, long cylindrical and has forward multi-wing blades. The 180° air flow inlet are available in impeller diameters of 25mm to 50mm and lengths ranging in size from 90mm to 300mm.

We have independent laboratories for product research and development, quality control and technical improvement. Through laboratory support, we are able to ensure the quality and reliability of our products and provide our customers with the best solutions.

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