

# HIGH-QUALITY AND VERSATILE INDUSTRIAL BLOWERS

HIGH-QUALITY BLOWERS FOR  
INDUSTRIAL NEEDS



EUROVAC – RELIABLE  
QUALITY FOR INDUSTRY

Suomen   
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# INDUSTRIAL BLOWERS

We offer over 1,000 different blower models that provide reliable and efficient solutions for a wide range of industrial needs.

Our blowers are specifically designed for demanding environments, and our selection covers a wide range of blower technologies: axial, centrifugal, side channel, and rotary lobe blowers.

All models are also available with ATEX certification, ensuring safe solutions for explosive atmospheres. In addition, our range includes special blowers, such as models suitable for hot air.

Contact us and tell us about your needs – we will help you choose the right blower for your operations!

# BLOWERS FOR DIFFERENT NEEDS

## AXIAL BLOWERS

Axial blowers are powerful devices that move air directly along the axis of the fan. They are ideal for large air volumes, as they can transfer more air than many other blower types while producing lower pressure. This makes them an excellent choice for applications requiring high airflow, such as process industries, ventilation, lumber drying, and cooling.



### Applications:

- Process Industry: Axial blowers are highly effective in transferring airflow and enhancing processes in industrial environments.
- General Ventilation: Efficient ventilation for residential and commercial spaces where high air exchange is required.
- Lumber Drying: Axial blowers help maintain proper air circulation and drying conditions in lumber drying processes.
- Cooling: Used in cooling systems for temperature control and effective heat removal.

## ROOF BLOWERS

Roof blowers are designed for efficient ventilation and air extraction directly from the top of a building. They are installed on the roof, effectively removing heat, moisture, impurities, and other unwanted elements from the air. Roof blowers are an excellent solution for spaces requiring continuous and efficient ventilation.



### Applications:

- Industrial Facilities – Effectively remove heat and impurities generated by processes.
- Commercial and Office Buildings – Maintain fresh indoor air and improve air quality.
- Restaurants and Large Kitchens – Remove steam and odors produced during cooking.
- Warehouses and Halls – Help balance temperature and prevent excessive moisture buildup.

# CENTRIFUGAL BLOWERS



Centrifugal blowers are powerful air movers in which the airflow is directed 90 degrees from the fan's rotational axis. Their operating principle is based on centrifugal force, which generates higher pressure than axial blowers, making them ideal for applications that require efficient air or gas transfer through long duct systems.

## **Applications:**

- Industrial Facilities – Ventilation, process air handling, and flue gas removal.
- Power Plants – Combustion air management and flue gas control.
- Chemical and Pharmaceutical Industry – Air and gas handling in cleanrooms and processes.
- Metal and Wood Processing Industry – Removal of dust, chips, and other impurities from production.
- Food Industry – Hygienic ventilation and drying of process products.

## **Types of Centrifugal Blowers:**

### **Low-Pressure Centrifugal Blowers**

Low-pressure centrifugal blowers are suitable for moving large volumes of air at low pressure. They are ideal for general ventilation and processes that require a steady airflow without significant pressure loss.

### **Medium-Pressure Centrifugal Blowers**

Medium-pressure centrifugal blowers provide a balanced solution between airflow and pressure. They are used in industry for transferring dust, gases, and process air, especially in duct systems where moderate back pressure is required.

### **High-Pressure Centrifugal Blowers**

High-pressure centrifugal blowers generate strong pressure and are suitable for demanding industrial applications such as pneumatic conveying, the chemical industry, and other environments where high air pressure is required.

### **ATEX Centrifugal Blowers**

ATEX-approved centrifugal blowers are designed for explosive atmospheres where flammable gases or dust are present. They meet strict safety standards and are suitable for critical applications in the chemical industry, oil and gas industry, as well as in process industry environments.

### **Blowers for Aggressive Environments**

These blowers are built to withstand demanding conditions such as corrosive gases, high temperatures, and other extreme environmental factors. They are commonly used in the chemical and process industries, thermal power plants, and metal refining.

## SIDE CHANNEL BLOWERS

Side channel blowers are special blowers in which the airflow passes through side channels of the blower, enabling smooth and efficient air transfer. These blowers provide high pressure with low air volume transfer and are suitable for a wide range of industrial and commercial applications that require stability and reliability.



### Applications:

- Air Pressure Generation – For industrial processes requiring stable and adjustable pressure, such as in the plastics or food industry.
- Gas and Liquid Handling – Side channel blowers are also used in specialized applications such as gas transfer and liquid handling.
- Alternative to Centrifugal Blowers – When lower airflow but higher pressure is needed, side channel blowers are an excellent choice.
- Industrial vacuum cleaners, vacuum lifting devices, wastewater aeration, and bio gas plants.

# CONTACT INFORMATION



**GET IN TOUCH WITH US, AND WE WILL  
FIND THE BEST SOLUTION FOR YOU.**

**OUR EXPERTS AT YOUR SERVICE.**



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