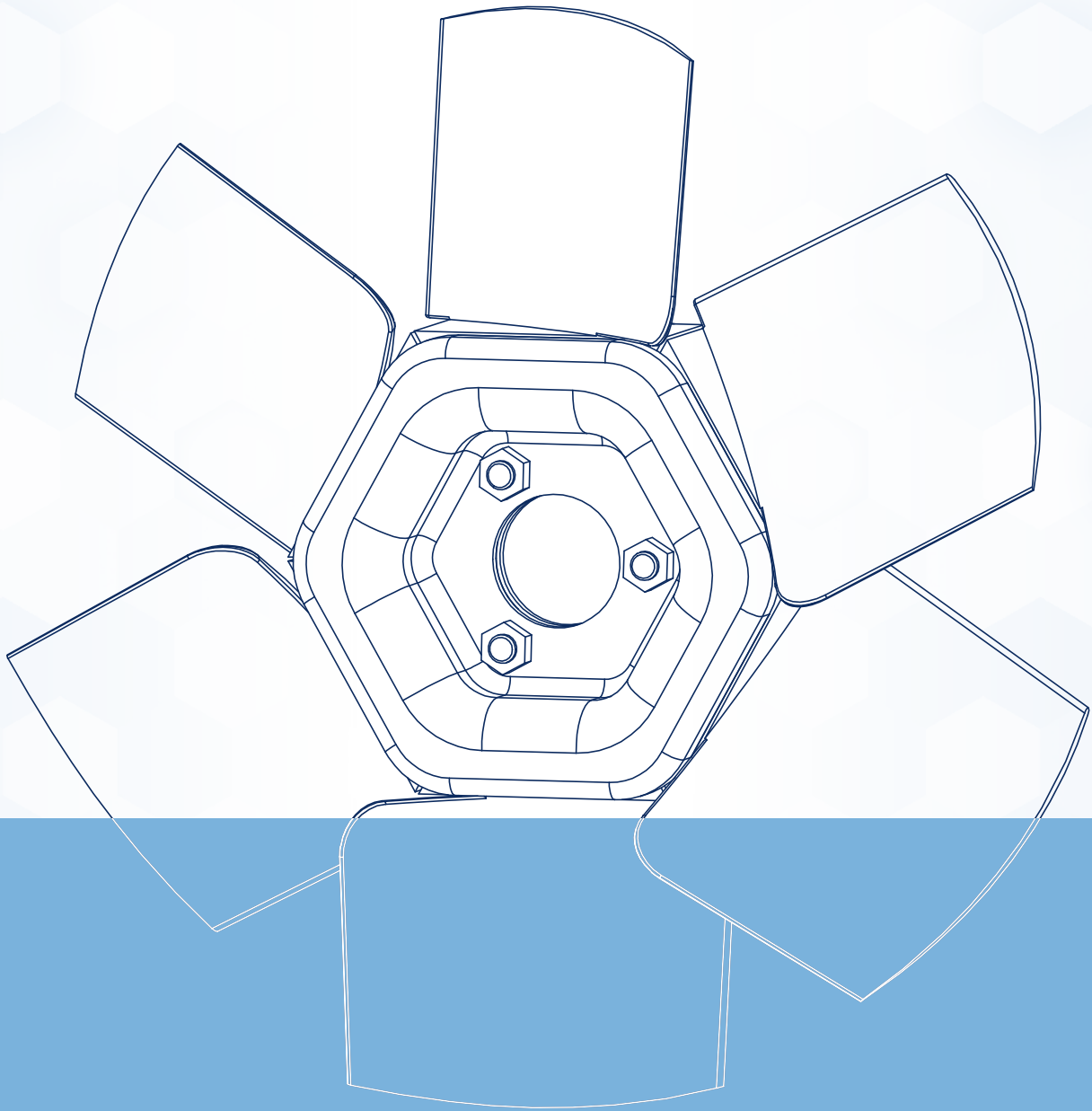




# HW Ventilation



**[ COMPANY PROFILE  ]**



# HEADQUARTERS



# COMPANY PROFILE



## HW VENTILATION

Headquartered near Milan, Italy, HW ventilation is a leading company in the field of axial impellers and ventilators for industrial applications. With our 30-year experience in the market, we are an extremely dynamic company committed to continuously provide our customers with innovative products and services. The undisputed success of HW Ventilation in the industry we serve is the result of our corporate philosophy and mission. 70% of the company's revenue comes from worldwide export through selected distributors and agents.

## CORPORATE PHILOSOPHY

HW Ventilation corporate philosophy is based on the successful combination of extensive industry experience and constant innovation. We combine a fresh image, new products and services, with our 30-year experience in the field of air movement. This is where our key to success and innovation derives from. We keep leveraging past experiences to build the foundation for future success, develop new products and engineering services to enter new markets as industry leaders, entirely committed to provide solutions for any need in air movement.

## MISSION

HW Ventilation is an experienced, trustworthy manufacturer of axial fans and ventilators for industrial applications. Radiators, compressors, industrial ventilators, snow cannons, hovercrafts are just few examples of the multitude of needs that can be met with our products. We aim at offering our customers high quality, efficient, and fairly priced products, made with the best materials provided by rigorously selected suppliers. Our products, and their components, are 100% made in Italy. We view ourselves as 360° technological partners who help our customers find the best customized solution for any need in air movement and in a timely manner. We aim at strengthening our position as global leaders, consolidating our position in our traditional markets, and expanding internationally through our growing network of trustworthy agents and distributors.

## TEAM AND FACILITIES

HW Ventilation headquarters are in Rescaldina, near Milan, Italy. The company facilities consist of a workshop, a warehouse, an assembly area, a wind tunnel, a showroom and several offices. Our team of motivated, highly-skilled professionals is expanding year over year to better serve our customers and offer an unparalleled level of expertise.



**RESCALDINA (Milan)**  
(Headquarters)



# PRODUCTS

## HW VENTILATION

is a leading manufacturer of axial impellers and ventilators for industrial applications. Our reputation as reliable, innovative players has been built over our 30 years of extensive experience. The mission of the company is to supply our customers with innovative, high quality, efficient products at a highly competitive price/quality ratio. All these characteristics make HW Ventilation the ideal partner to help you find the best solution for any air movement need. Each component of HW Ventilation axial impellers and ventilators is 100% Made in Italy.

## PRODUCT PORTFOLIO

HW Ventilation portfolio comprises a wide range of products: airfoil profile axial impellers (fixed, variable, reversible), sickle profile impellers (made of plastics or aluminum), industrial ventilators (made of plastics or aluminum), spare parts, hubs, and a large set of accessories (electric motors, casing, protection guards, clutches for sprayers). We also provide customized solution to meet any particular need in moving air.



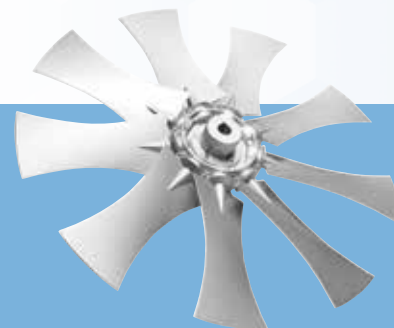
**TM** AXIAL IMPELLERS



**SR** AXIAL IMPELLERS



**TS** AXIAL IMPELLERS



**R** AXIAL IMPELLERS

## HW VENTILATION

HW Ventilation is a leading company in the ventilation industry. Products by HW Ventilation meet a wide range of needs in fields like agriculture, industrial ventilation, heat exchange systems, and many more. Thanks to our experienced R&D department, we are able to renovate our product portfolio and launch innovative solutions onto the market at a very fast pace.



**C-ALU** AXIAL IMPELLERS



**PAV** AXIAL VENTILATORS



**MAV** AXIAL VENTILATORS



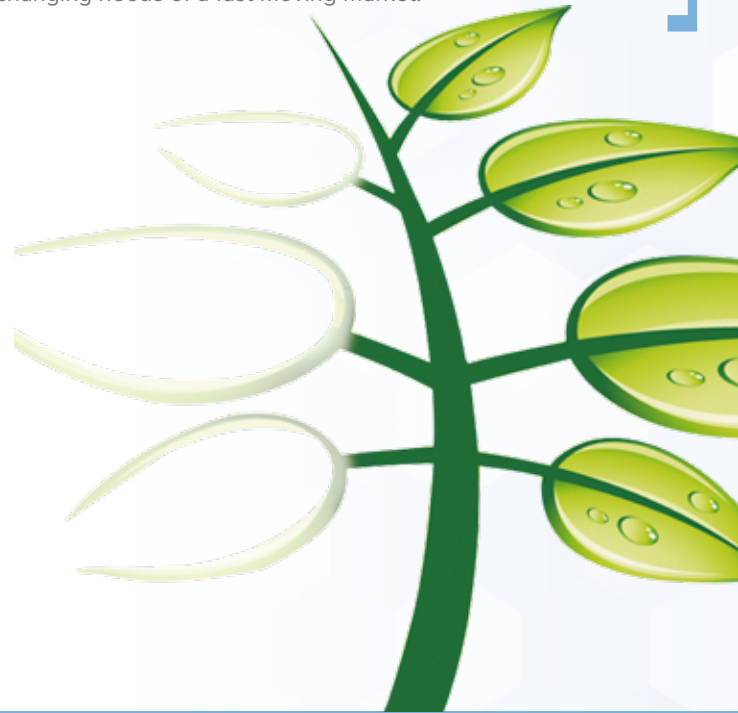
## SOLUTIONS FOR ENERGY EFFICIENCY

Energy efficiency regulations are a pressing topic that manufacturers of energy-using products have to cope with. Axial fans and ventilators are required to contribute to the overall energy efficiency of the machineries in which they are employed. HW Ventilation products are compliant to the requirements of EU Directive ErP 2015, one of the world's strictest regulation in the field of energy efficiency. We started a long ago to focus on renovating our product portfolio, and launching new products that meet the efficiency levels demanded by the Directive. These efforts have made it possible for our customers to reduce costs, and improve the performance of their products. The ANSI/AMCA 210/07 wind tunnel, built at our headquarters in 2012, has represented a key factor to ensure the quick and successful compliance of HW Ventilation products to the ErP Directive.



## HW VENTILATION

Experience and know-how are as important as new ideas and innovation to face future challenges with the right level of confidence. With these principles in mind, we are always in the process of launching innovative services to better meet the changing needs of a fast moving market.



## NEW MATERIALS

Materials have a key role in the manufacturing process of new products. For this reason, we continuously performs analysis on top-class materials which are employed in the production of our fans and ventilators. Our R&D department is constantly busy with testing the characteristics of new materials, which are chosen based on specific performance characteristics. They can be anti-static, anti-explosive, self-extinguishing, high temperature resistant, corrosion proof, light weighed, or simply cheaper, performance data being equal. Many of our products are manufactured with materials which are **ATEX-compliant**.



## ADVISE CUSTOMERS ON PRODUCT DEVELOPMENT

Customers can rely on HW Ventilation support in each stage of development of their products. Being our team highly skilled and experienced in air movement topics, we are the ideal partners to advise customers' engineers on the best solutions to design high-performance products, at a reasonable price. We provide customized analysis and offer our extensive experience in:

- ▶ CAD design,
- ▶ FEM analysis,
- ▶ Prototyping,
- ▶ Performance testing,
- ▶ Molding tools design

We develop **complete ventilators** for special applications (i.e. ATEX) based on customer specifications. We provide support to design and construct **wind tunnels**, in accordance with existing international standards (AMCA, EN ISO, AAMA, etc.).

# R&D AND SERVICES

## OUR WIND TUNNEL

Designed according to **ANSI/AMCA 210/07** standard, HW Ventilation wind tunnel can perform several type of performance testing on fans and ventilators. The unique opportunity to have in-house testing enables us to accelerate the design phase of our new products, but also makes it easier to test the performance of prototypes and products under development. HW Ventilation wind tunnel can be used by customers to test their products and receive detailed test reports. HW Ventilation wind tunnel is an ideal tool to design customized solutions. Data collected during performance testing of HW Ventilation fans have been used to develop the new Qualyfan selection software. A detailed archive of indispensable data on performance and energy efficiency levels of fans is stored inside the selection software.

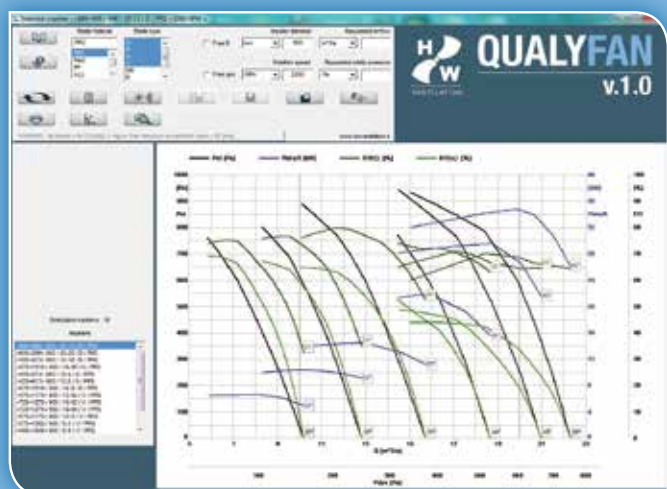
## SAMPLING FOR TESTING AND ANALYSIS

Customers can request any time free samples of HW Ventilation products. This way customers are free to test the products' performance directly on their final applications. Free sampling represents a key factor of our strategy, and helps us to establish long-lasting relationships with our customers. The basis of these relationships is the continuous support provided by our technical staff during the process of designing new products, or revamping existing products.



## QUALYFAN SELECTION SOFTWARE

**HW Ventilation** offers a portfolio of value-added services aimed at supporting its customers. One of these services is **Qualyfan** fan selection software, a tool thought to help our customers select the best impeller for their specific applications. Qualyfan contains a complete archive of data of all HW Ventilation product series, whose performance levels have been tested in our wind tunnel. The selection software is made available to HW Ventilation customers as a tool to



support the development of their products. Qualyfan has an extremely user-friendly, intuitive interface. Performance data and info about ErP compliance can be easily accessed and utilized by customers.

**Qualyfan is available for download at [www.hwventilation.it](http://www.hwventilation.it).**

# MARKETS WE SERVE



## APPLICATIONS

Products and services by HW Ventilation are conceived to meet the varied needs of all those industries in which air movement is involved. Our blades are available in multiple shapes and materials, and are ideal to be employed in a wide range of operating conditions (high/low temperatures, corrosive/hazardous environments,...). HW Ventilation also offers ad-hoc analysis of new blade shapes and configurations (FEM), and analysis of new/special materials that can better meet customers' expectations. That is the case, for example, of ATEX materials.

**Radiators/Heat exchangers** ▶ require fans with extremely high pressure capabilities and with low noise signature. HW Ventilation offer a vast range of axial fans (available in a variety of shapes and materials) suitable for radiators and other engine cooling systems, both for mobile and stationary usage.

**Compressors** ▶ require fans with extremely high pressure capabilities and with low noise signature. Given the high volumes of compressors produced by the manufacturers, light weight, easy-to-assembly, cost effective fans are a key success factor for the compressor industry. HW Ventilation offers a vast range of axial fans (available in a variety of shapes and materials) suitable for compressors, both for mobile and stationary usage.

**Industrial ventilators** ▶ HW Ventilation offers solutions to a wide range of different applications within the industrial ventilators industry: from ventilation systems for industrial plants, to ventilation for commercial buildings, tunnels and garages. Key characteristics of the axial fans for this segment are high efficiency and strength of their components. The flexibility of our axial fan range makes it possible to select the best solutions for your performance requirements, both for standardized fan units and for customized ventilation units.

**Ventilators for livestock** ▶ are typically roof mounted units designed to ensure best possible climate for cows, pigs, chickens. Key selection criteria for these units are high efficiency at the lowest possible operating cost. HW Ventilation fans enables you to select high efficiency solutions at a competitive price, while generating the air volumes necessary to keep your livestock in the best possible condition.

**Ventilators for dryers and kilns** ▶ Dryers and kilns are characterized by high temperatures and high humidity levels. Therefore it is crucial that the axial fans can operate at temperatures in the range of 60-100°C and stay corrosive resistant. In terms of the fan performances, the main success criterion of industrial drying processes is to achieve homogeneous drying whether that is of timber, leather, or bricks. HW Ventilation can offer a range of reversible axial fans able to produce equal air flow and pressure in both operating directions, guaranteeing the most homogeneous drying possible.

## Other applications

HW Ventilation has always a solution to any need in air movement, and supplies fans and ventilators for a variety of applications:

- cooling towers
  - agricultural sprayers
  - agricultural machines and tractors
  - lift trucks
  - hovercrafts
  - snow cannons
  - welding machines
- and many more...

Thanks to our 30-year long experience in the field of ventilation, HW Ventilation engineers and salesmen are always available to help you find the best solution to your needs.



## HW VENTILATION

exports 70% of its production throughout the world through a network of selected distributors and agents. Given the flexibility of our operations, and the choice to always keep standard components on stock, we can guarantee accurate and timely deliveries (24/48 hours) of products and spare parts. We also offer a Kanban service to those clients who need big volumes of standard components, with predefined quantities and delivery dates throughout the year.





more on  
[www.hwventilation.it](http://www.hwventilation.it)



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