



# HVAC application

## Cooling Towers

Multi-Wing's wet or dry cooling tower fans provide low noise, consistent airspeed, significant savings in operational costs, and deliver precise performance.

## Condensers

Multi-Wing's axial fans ensure not only maximum airflow with low noise but also more efficient cooling and freezing for V-type and flatbed condensers.

## Heat Exchangers & Dry Coolers

Multi-Wing's custom-made axial fans provide high efficiency through maximum airflow with low noise in any industrial cooling heat exchanger.

## Evaporators

Multi-Wing's custom-made axial fans efficiently facilitate proper cooling and freezing in blast freezer, ceiling mount, and floor mount evaporators.

## Livestock Ventilation

Maximum airflow / low pressure Multi-Wing axial fans make the perfect solution for any standardized or customized livestock ventilation unit.

## Smoke & heat Control Systems

Designed for Smoke and Heat Control Systems, Multi-Wing custom axial fans are EN12101-3: 2015 compliant and capable of heat resistance at 400 °C for up to two hours.

## Wood Dryers & Drying Kilns

Wood dryers demand a homogeneous drying indoor environment with high humidity and high ambient temperatures.

## Grain Dryers

Multi-Wing's grain drying fans are built from industrial strength aluminum, to ensure durability, low noise and high static pressure under intense heat.

## Railway

Multi-Wing's custom axial fans fit perfectly into rail HVAC, rail compressors, locomotive or rail replacement. Fans for rail transportation must be robust, durable (100% up-time), and resistant to corrosion.

## Wind Turbines

Industrial cooling and ventilation for Wind Turbines require durable fans capable of 100% up-time.



# Heating, ventilation and refrigeration

Multi-Wing has a solution for every need from HVAC/R and engine cooling applications.

We offer the widest selection of axial fans on the global market.

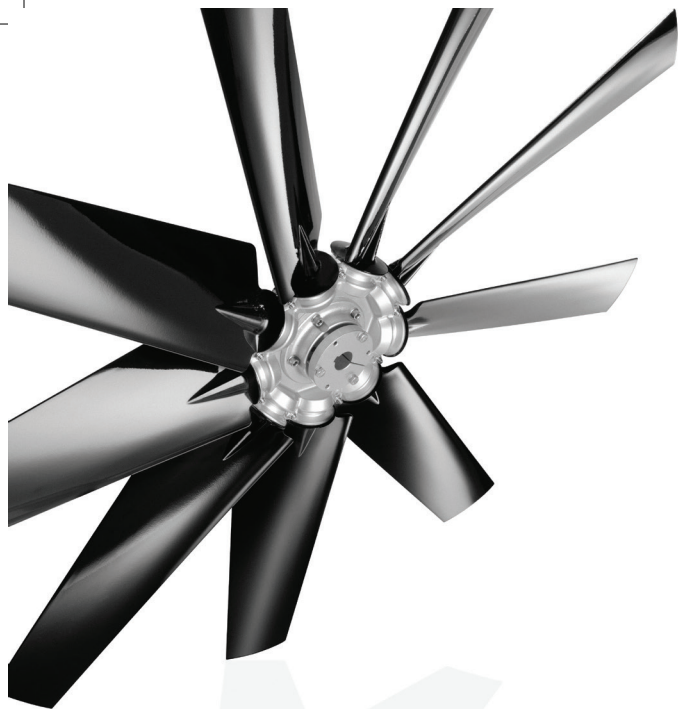


**Multi-Wing**

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## Features and advantages

Multi-Wing's custom-made axial fans provide high efficiency through maximum airflow with low noise in any industrial HVAC application, lead to significant savings in operational costs, and deliver precise performance.

The correct choice of the blade material optimizes UV-resistance and minimizes corrosion in demanding climate conditions.

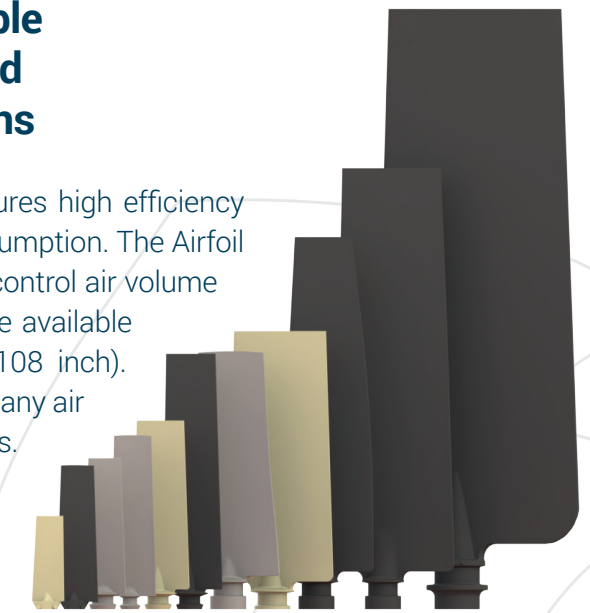
Our fans are ideal for HVAC applications as they accommodate temperatures ranging from -60°C up to 400°C (-76°F to 752°F) depending on the blade material.

Each custom-made axial fan features our special blade profile design, enabling greater efficiency, lower operational costs, and noise reduction. All Multi-Wing axial fans for the HVAC industry are ErP 2022 compliant.



## More than 100.000 possible configurations and tailored one-piece-moulded options

Multi-Wing's Airfoil Blade Profile ensures high efficiency and high airflow with low power consumption. The Airfoil blades allow varying pitch angles to control air volume and meet the ErP 2022 Directive. The available diameter range is 222-2746mm (8-108 inch). The Airfoil blade's best suitable use is any air moving application, like cooling towers.



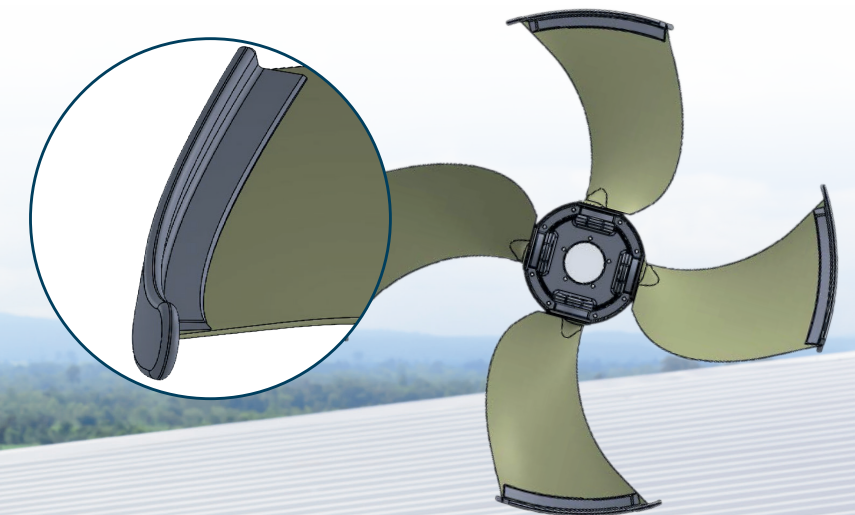
## Want to boost your airflow even further?

Try the add-ons from Multi-Wing: **EPS™** & **Winglets for 1W**  
**Multi-Wing EPS™ - closing the gap:**

- An add-on to close the gap between the shroud and the fan
- Improving Efficiency and Performance while reducing Sound
- Ensuring ErP compliance by large efficiency increases
- High chemical resistance verified by third party testing make Multi-Wing EPS™ suitable for use in HVAC applications
- Applicable to the extensive range of Multi-Wing fans such as airfoil fans for HVAC

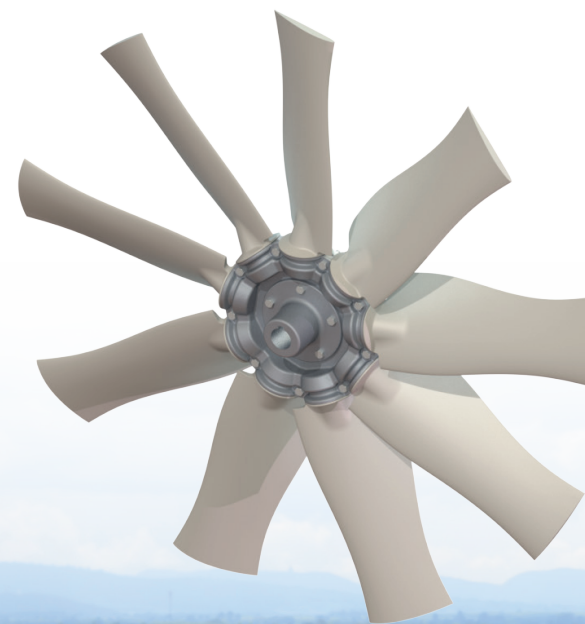
### Winglets for 1W

- An add-on to reduce sound
- Custom made for the 1W axial fan blade
- Reducing vortex on the tip of the blade



## EMAX profiles and Airfoil profiles

Multi-Wing's EMAX Blade Profile is designed for ventilation applications requiring high efficiency rates. It contributes to power consumption reduction while reducing noise by 2-3dB, and increasing efficiency by 2-4%. Flexible EMAX design is highly adjustable to fit 5 different existing hub sizes and enables 23 different pitch angles. The available diameter range is 624-920mm (24-36 inch). The EMAX blade meets the ErP 2022 Directive.



**Multi-Wing axial fans designed for HVAC industrial applications**

