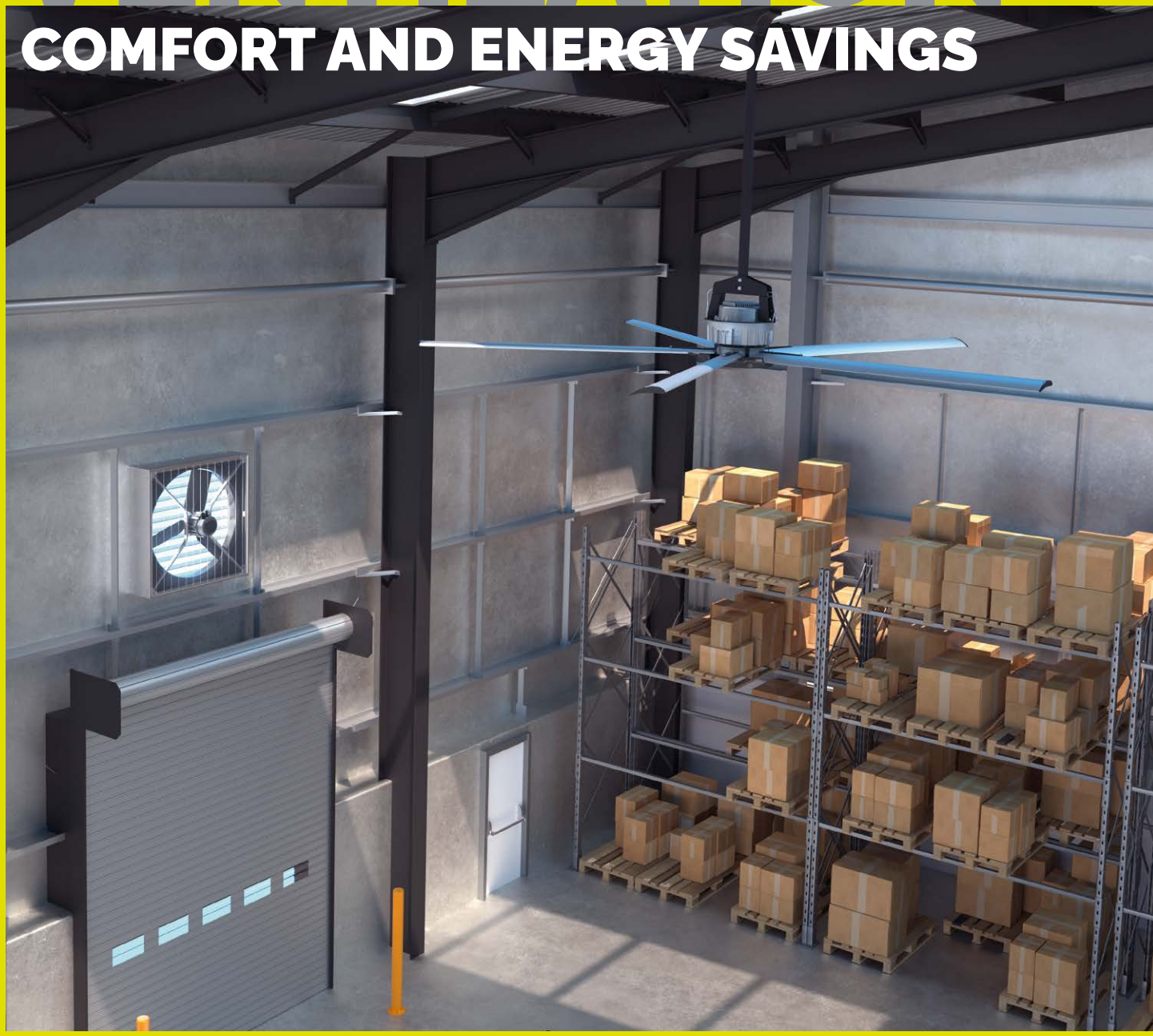
aerauliqa®
INDUSTRIAL

VENTILATION

COMFORT AND ENERGY SAVINGS



Commercial premises

Sports facilities

Warehouses

Production facilities

Airports

Greenhouses

Stables and livestock farms

HVLS | High Volume Low Speed ceiling fans

HVLS (High Volume Low Speed) fans are large-diameter ceiling-mounted fans designed to move high volumes of air at low speed, ensuring uniform air distribution even across very large spaces.
By generating a gentle, continuous and widespread airflow, they are ideal for industrial buildings, warehouses, logistics centres, sports facilities, retail premises, large commercial spaces, livestock farms and barns.
Unlike traditional ducted HVAC systems, they require no air distribution ductwork and can be easily relocated over time, adapting to evolving spaces and changing operational needs.
In summer, they enhance perceived comfort by creating a pleasant, uniform airflow. In winter, they promote thermal destratification by bringing warm air accumulated near the ceiling back down to occupied areas, helping to achieve a more even indoor temperature.
Energy savings are supported by the high efficiency of the brushless EC motor and the overall fan performance. By moving large volumes of air with low power consumption, these fans help reduce operating costs and achieve a faster return on investment (ROI).

5 blades

straight profile

EHS



- Available in 6 sizes: from **3,6m** to **7,3m**
- Airflow up to **590.730 m³/h** (AMCA 230-99)
- Airfoil made from anodized aluminium EN AW 6063 T6
- EC brushless motor, reversible, provided with integral electronic system and EMC filters
- 200-480Vac, three-phase, 50/60Hz, IP65
- Modbus interface

LEARN MORE

5 blades

aerodynamic profile

WHS



- Available in 3 sizes: **4m, 5m** and **6m**
- Airflow up to **429.464 m³/h** (AMCA 230-99)
- Airfoil made from aluminium EN AW 6063 T6
- EC brushless motor, reversible, provided with integral electronic system and EMC filters
- 200-480Vac, three-phase, 50/60Hz, IP65
- Modbus interface

LEARN MORE

3 blades

straight profile with deflectors

LHS



- Available in 3 sizes: **2,4m**, **3m** and **3,6m**
- Airflow up to **134.271 m³/h** (AMCA 230-99)
- Airfoil made from anodized aluminium EN AW 6063 T6
- EC brushless motor, reversible, provided with integral electronic system and EMC filters
- 200-480Vac, three-phase, 50/60Hz, IP65
- Modbus interface

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3 blades

straight profile with deflectors

RHS



- Available in **2,4m** size
- Airflow up to **93.256 m³/h** (AMCA 230-99)
- Impeller with variable inclination
- EC brushless motor, reversible, provided with integral electronic system and EMC filters
- 200-480Vac, three-phase, 50/60Hz, IP65
- Modbus interface

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High volume axial fans

High volume axial fans are designed to move a large amount of air through a direct, concentrated airflow that can be easily directed towards specific areas. Thanks to their high airflow capacity and flexible installation options, they are ideal for industrial buildings, warehouses, workshops, production areas, loading bays, livestock farms and barns.
They enhance perceived comfort, promote air circulation and exchange and reduce stagnant air spots, providing targeted ventilation wherever it is needed.
Thanks to their efficient brushless EC motors, these axial fans deliver high airflow rates with low power consumption, optimising performance and energy efficiency while helping to reduce operating costs and shorten the payback period.

AD



The AD range can be wall-mounted with motorised shutters for air supply or extraction.
Their versatility also allows suspended or beam-mounted installation, with bird guards or safety guards, making them suitable for providing uniform indoor air circulation.

AD1400 □ 1382mm

- Airflow up to **49.380 m³/h** (AMCA 230-99)
- EC brushless motor
- Integral electronic system and EMC filters
- Speed controllable
- Casing made of **stainless steel** or **galvanised steel**

A version:

- Three-phase motor, 200-480Vac, 50/60Hz, IP65
- Modbus interface
- Reversible

B version:

- One-phase motor, 220-277Vac, 50/60Hz, IP55

AD900 □ 951mm

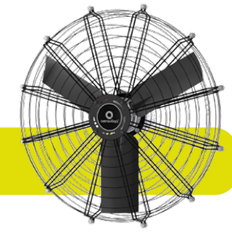
- Airflow up to **24.749 m³/h** (AMCA 230-99)
- EC brushless motor
- Integral electronic system and EMC filters
- Speed controllable
- Casing made of **stainless steel** or **galvanised steel**

B version:

- One-phase motor, 220-277Vac, 50/60Hz, IP55

LEARN MORE

AG

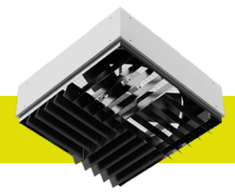


The AG air circulator is designed for suspended or beam-mounted installation and generates a cooling airflow to improve comfort for people and animals.

- Airflow up to **49.380 m³/h** (AMCA 230-99)
- EC brushless motor
- Integral electronic system and EMC filters
- Speed controllable
- One-phase motor, 220-277Vac, 50/60Hz, IP55
- Protection guards made of painted steel

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DHS



The DHS destratification fan is designed for ceiling installation and features a multidirectional diffuser that ensures uniform air distribution, extending coverage and promoting effective destratification throughout the space.

- Airflow up to **23.762 m³/h** (AMCA 230-99)
- EC brushless motor
- Integral electronic system and EMC filters
- Speed controllable
- One-phase motor, 220-277Vac, 50/60Hz, IP55
- Multi-directional diffuser

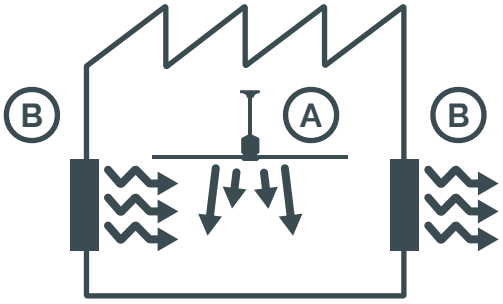
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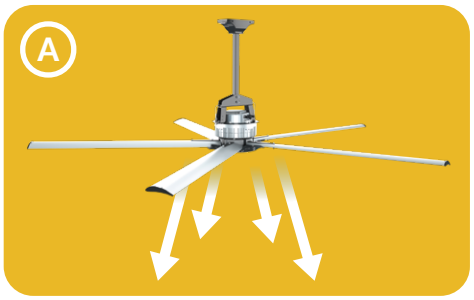
Comfort and energy savings

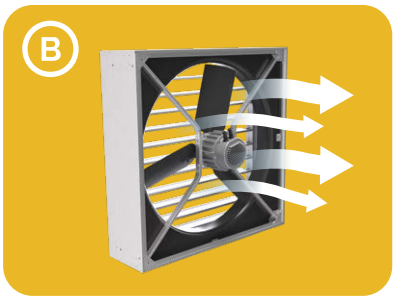
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Summer: Comfort and Low Energy Consumption

During the summer months, large buildings such as industrial facilities, workshops, warehouses, logistics centres, sports facilities, large commercial premises, livestock farms and barns are increasingly affected by overheating due to solar exposure and high outdoor temperature. Rising indoor air temperatures, combined with the radiant heat from the overheated building envelope, can significantly reduce comfort for both people and animals.
To improve these conditions, different mechanical ventilation solutions can be adopted, based on two distinct yet complementary approaches: **comfort ventilation and air exchange (Free Cooling)**.







Solution A | Comfort
Comfort ventilation directly enhances occupant well-being by providing continuous, controlled air movement within the occupied area.
Ceiling-mounted fans generate a gentle, constant airflow that promotes heat exchange with the body, creating a cooling sensation and helping to reduce perceived temperature.
Comfort ventilation can be used independently or in combination with an air conditioning system. In the latter case, improved thermal comfort may allow the cooling setpoint to be raised, helping to reduce energy consumption.

Solution B | Air Exchange (Free Cooling)
Air exchange can be achieved using high volume axial fans installed on walls and suitably equipped with shutters and protective guards.
These units promote the exchange of indoor air with outdoor air when weather conditions are favourable, taking advantage of the free cooling effect, for example during night-time hours.
A particularly effective configuration involves installing supply fans on the north side of the building and exhaust fans on the opposite side. This creates cross-ventilation that promotes air exchange throughout the entire building and helps remove accumulated heat.

In summer, our HVLS fans create a pleasant breeze that **can reduce perceived temperature by up to 6°C**, significantly improving comfort in working environments. Proper air circulation helps improve concentration and productivity, reduce condensation and the associated risk of slipping, while also helping to protect stored materials. Furthermore, combining ventilation with an air conditioning system **can reduce energy consumption by up to 20%**, providing greater comfort and improved operational efficiency.

Winter: Destratification and Energy Savings

Our HVLS fans are designed to improve comfort and energy efficiency during the winter months as well.
Thanks to their destratification function, they promote air mixing and redistribute the heat that accumulates near the ceiling, helping to achieve a more uniform indoor temperature and reduce cold spots.
In large buildings, warm air naturally rises and accumulates at ceiling level, while occupied areas remain cooler. Slow, controlled air movement helps minimise this effect, make better use of existing heat and improve heating system efficiency, without creating uncomfortable draughts for occupants.

In winter, our HVLS fans continuously circulate the air, reducing thermal stratification and helping redistribute the heat accumulated in the upper areas of the building.
This helps minimise cold spots, maintain a more uniform indoor temperature and improve thermal comfort, while reducing heating demand. A solution that delivers value all year round, with **energy savings of up to 30%** during the winter months.

Year-Round Comfort Technology

The ability to use our fans in both summer and winter is contributing to the growing adoption of this technology in large buildings. With the increasing impact of climate change, rising energy costs and a growing focus on sustainability and the well-being of people and animals, solutions that improve comfort while reducing energy consumption offer an increasingly important competitive advantage.
Our fans meet these needs with versatile, efficient technology that delivers tangible benefits throughout the year.

10 - 2026

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