Lfans

Last generation technology,
the best value for money

Lfans

Industrial
Fans

HVLS

HIGH VOLUME LOW SPEED FANS

Create an immediate impact on your business with our efficient HVLS (High Volume Low Speed) fan solution. These powerful fans are designed to turn challenging environments into comfortable spaces, improving both productivity and employee well-being.

Improve the conditions of your equipment thanks to Lfans ® , ensuring comfort throughout the year

Covering 1.800m

High renewal capacity with a coverage of up to 1,800m2 for the M7 model

Without maintenanc

Its permanent magnet motor is maintenance-free, as it has no oil or gears.

Ultra quiet

With their loudness below 40 dB they are imperceptible

CUTTING-EDGE TECHNOLOGY

Effective Thermal Control

They effectively cool the temperature of the area, ensuring a comfortable environment at all times

Humidity control

Our products contribute to reducing relative humidity, improving the quality of air in the environment.

Continuous Air Flow

Constant airflow that improves circulation and air quality in your workspace

Smell Neutralisation

Lfans ® fans help eliminate strong smells to maintain a pleasant environment conducive to productivity.

Dust Reduction

We reduce the amount of dust in the air to generate a cleaner, healthier environment for your staff.

Accident prevention

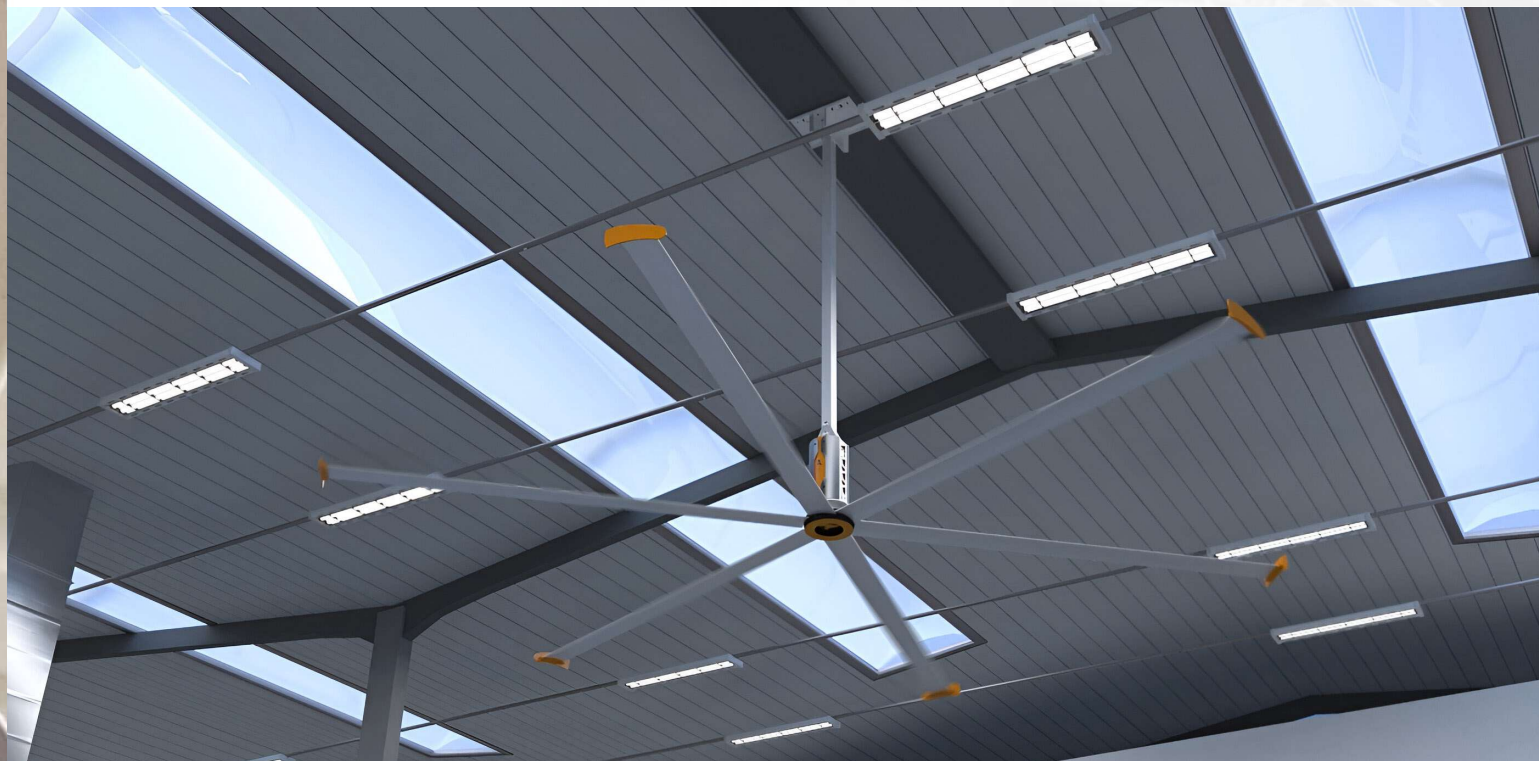
Avoid excessive heat and fatigue accidents in your employees thanks to thermal control

Difficult presence of insects

The air currents generated by the powerful Lfans ® fans make the presence of insects difficult.

Uniform Air Distribution

Distributes air efficiently and evenly throughout the area, preventing the formation of hot or cold spots.



Much more than industrial fans...

Simplified **Installation**

From pre-installed bolts to pre-wired connecting rods and pre-aligned mounting brackets, every aspect of Lfans ® HVLS fans is meticulously designed for quick and easy installation.

Superior **Efficiency**

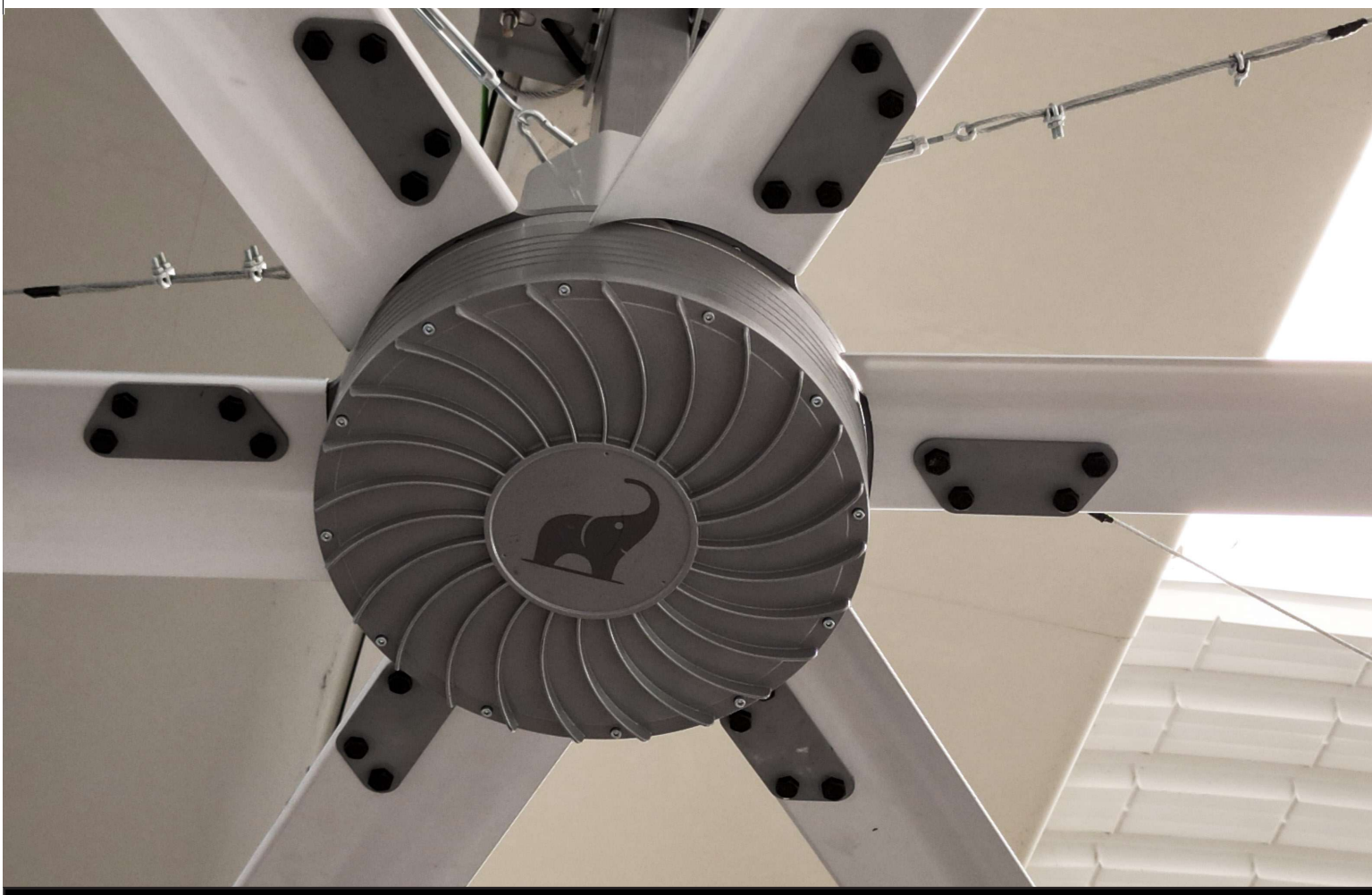
Lfans ® fans offer exceptional performance, achieving extensive air movement with lower energy consumption, resulting in reduced operating costs and savings throughout the year.

Light **weight**

Lfans® industrial fans are very lightweight, ensuring safer installation and easier maintenance.

Minimum **Maintenance**

With Lfans ® HVLS fans, we guarantee long-term reliability for your company. Our products are designed to last with minimal maintenance.



Permanent magnetic motor

How do I know if I need **a HVLS fan?**

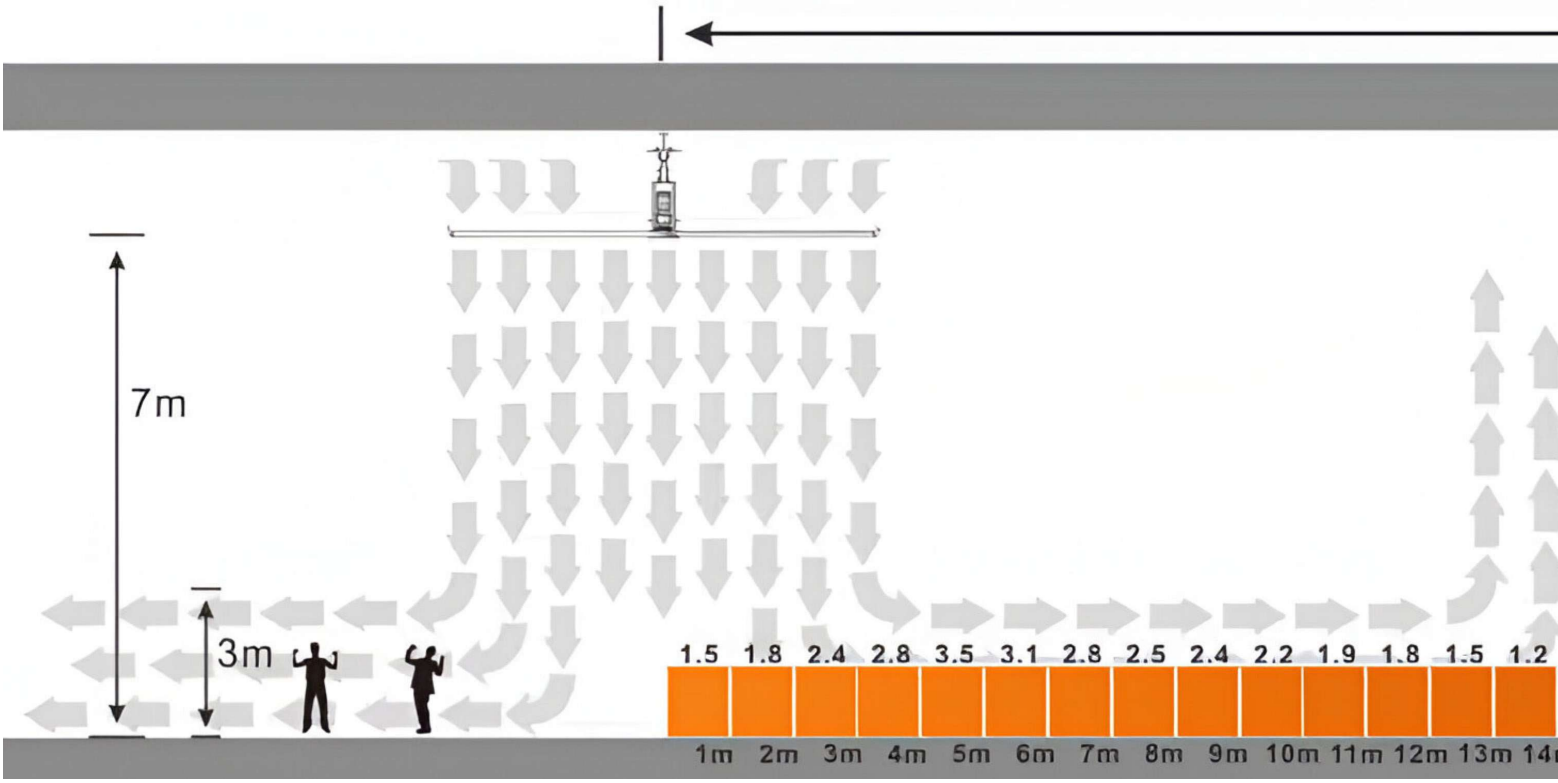
If you have a large unheated space, want to improve the air quality/ ventilation of your space, or want to improve the performance of your HVAC (air conditioning system), then you need HVLS Lfans ® Industrial Fans...

Improve ventilation, our fans HVLS move fresh air throughout the premises

In winter, HVLS fans improve the performance of your **HVAC system**

In temperate seasons they are the perfect substitute for A/C

One fan can serve an area of up to 1,800 meters



Cool, ventilated spaces with quality air

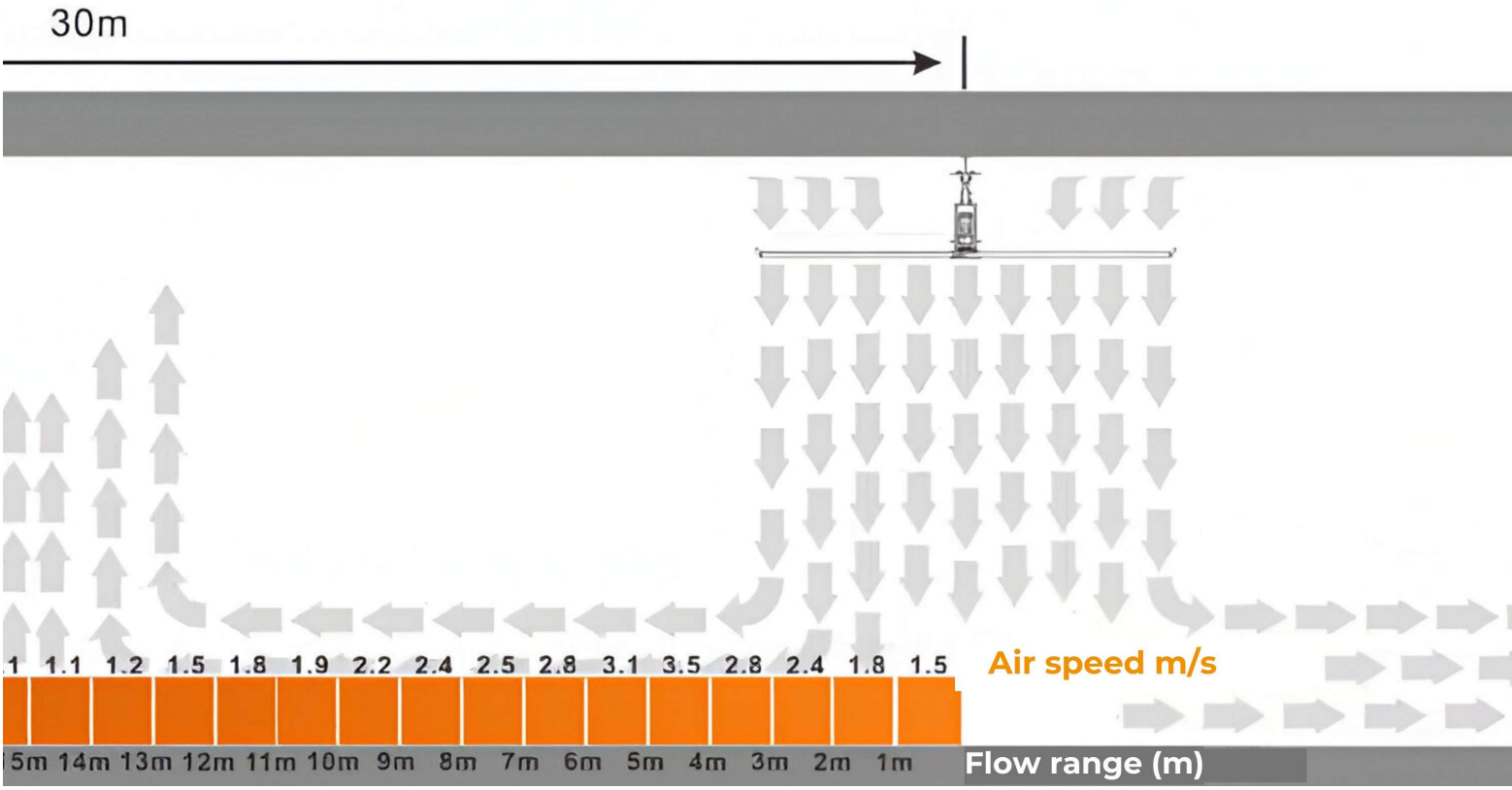
360° AIR DISTRIBUTION

Unlike conventional high power fans, high volume low speed fans generate a perfect, more natural air distribution, improving the feeling of comfort without altering the working conditions.

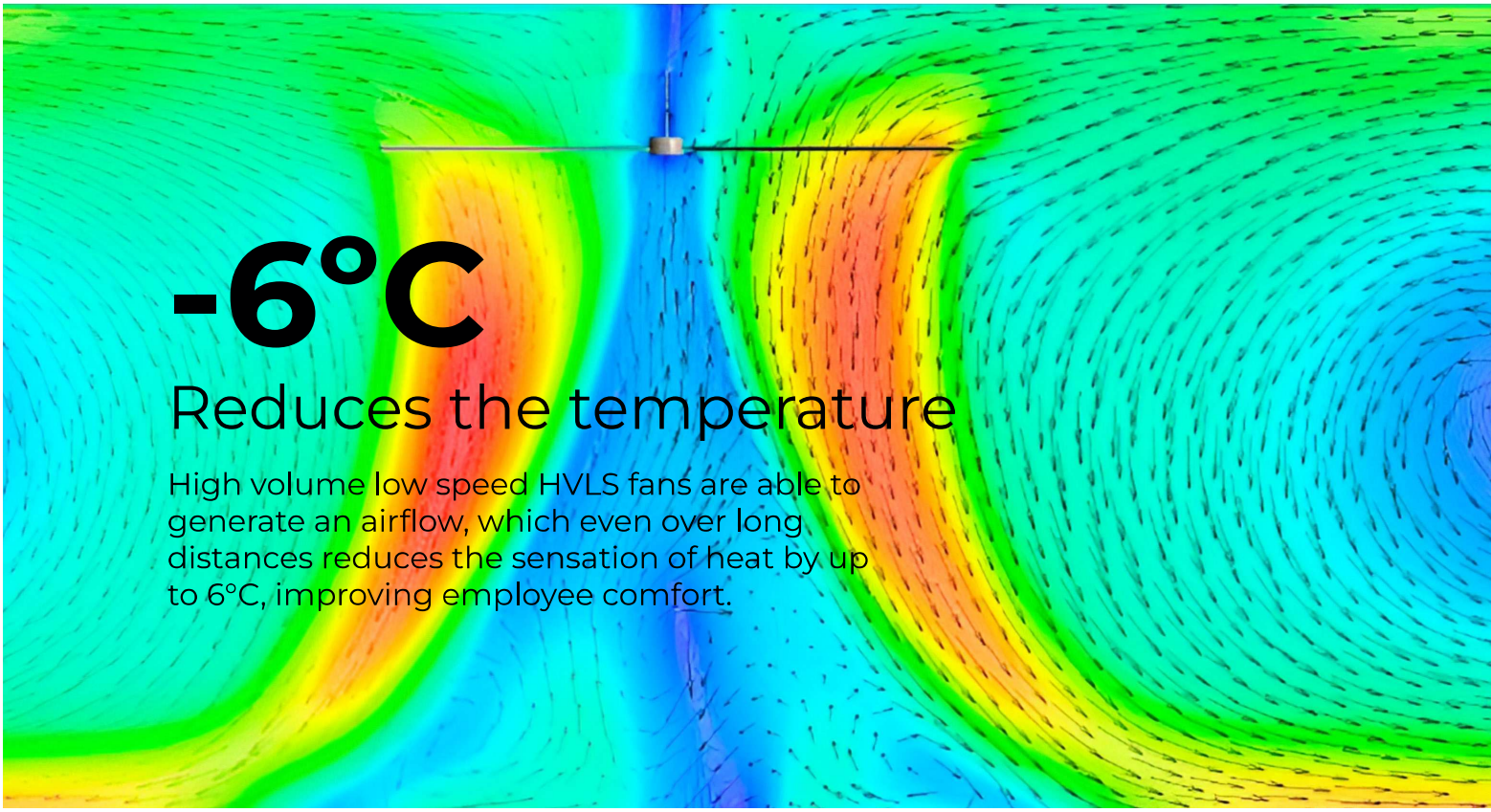
HUMIDITY CONTROL

Lfans ® ceiling fans are designed to **optimize air circulation** in industrial and commercial spaces, eliminating hot and cold spots. This results in a significant reduction in energy costs and an i**ncrease in comfort.**

Additionally, continuous air mixing promotes a more uniform temperature balance throughout the room, from floor to ceiling. Our fans also **help control excessive humidity, preventing condensation.**



SUMMER



-6°C

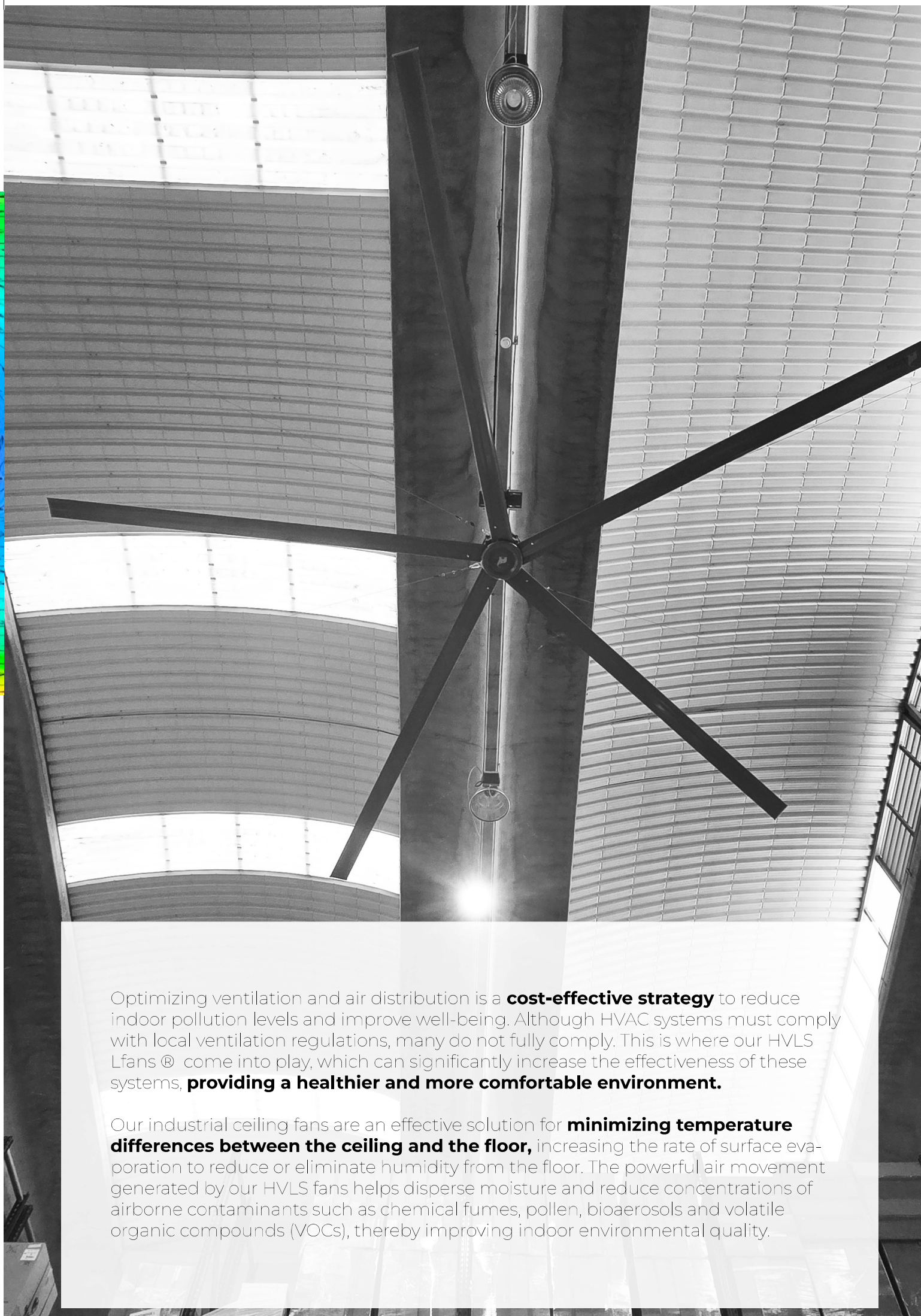
Reduces the temperature

High volume low speed HVLS fans are able to generate an airflow, which even over long distances reduces the sensation of heat by up to 6°C, improving employee comfort.

Designed and built to withstand, prioritising safety and minimising consumption

AERODYNAMIC DESIGN

The aerodynamic design of HVLS Lfan is essential for their efficiency and performance. These large diameter fans are designed to move large volumes of air at low speeds, making them ideal for large industrial and commercial spaces. The aerodynamic design of HVLS Lfan is based on specially designed blades that maximize air circulation efficiency.



Optimizing ventilation and air distribution is a **cost-effective strategy** to reduce indoor pollution levels and improve well-being. Although HVAC systems must comply with local ventilation regulations, many do not fully comply. This is where our HVLS Lfans ® come into play, which can significantly increase the effectiveness of these systems, **providing a healthier and more comfortable environment.**

Our industrial ceiling fans are an effective solution for **minimizing temperature differences between the ceiling and the floor,** increasing the rate of surface evaporation to reduce or eliminate humidity from the floor. The powerful air movement generated by our HVLS fans helps disperse moisture and reduce concentrations of airborne contaminants such as chemical fumes, pollen, bioaerosols and volatile organic compounds (VOCs), thereby improving indoor environmental quality.

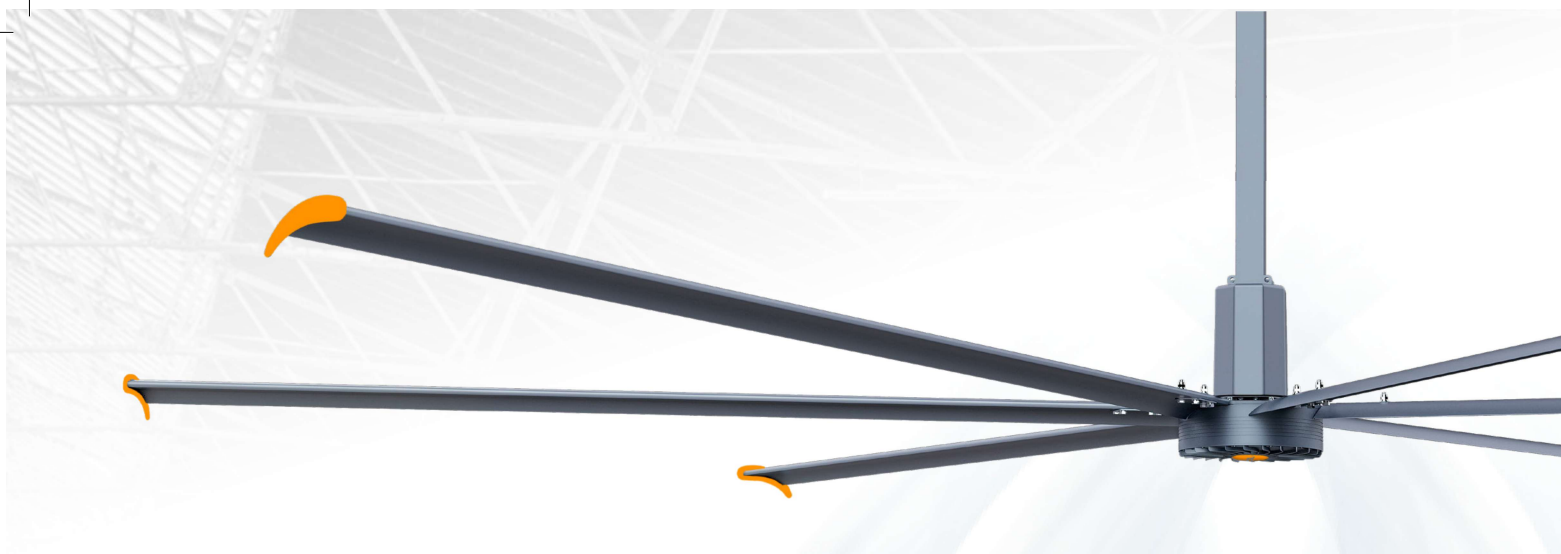
HI! CONTROL
Advanced System

The **most advanced control** system on the market, the only one with...

- **Control** of up to **192 fans**
- Energy efficiency display with **CO_2 emissions savings calculation**
- Air quality control via **gas sensor**
- Electricity consumption monitoring through **ammeter**
- Daily individual scheduling with **multiple simultaneous programs**
- **Pay-per-use** solution (PayPerUse)

Modbus = Integrable with other systems

For advanced integration, **HI Control** includes a Modbus port, allowing the **fan to connect** with external systems such as **PLCs, SCADA, BMS**, and other compatible industrial controllers.



BREEZE EFFECT

The fan automatically varies its speed between 20% and 50%, creating an oscillating airflow that simulates natural wind. Ideal for maintaining thermal comfort in work areas without constant or disruptive drafts.

Multi-device remote c ontrol system: accessible from **mobile, PC, or tablet**

Continuously monitor your system's performance to ensure **optimal operation: air quality, temperature, humidity levels, and more**

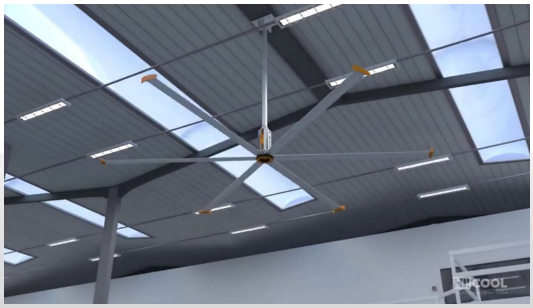

Without
LFANS
OFF
31°
LEVEL OF
CEILING
16°
LEVEL OF
FLOOR
DESTRA
Heat in a space forms layers
air is stratified near the ceilin
where people work. This is be
(HVAC) system is 5% to 10% li
temperatures (18 to 24°C). Th
highest point, where tempera
depending on the characteri
height. The thermostat, whic
the temperature of the colde
working to reach the desired
energy. A high-flow fan elimi
performance of the forced ai

TIFICATION

trata of temperature. The warmest
nd the coldest air is near the floor,
use air heated by a forced air
er than air at desirable ambient
eated air rises naturally to the
res can reach values of 29 to 52 °C
s of the structure and ceiling
usually at ground level, registers
ir, telling the system to continue
mperature, costing additional
es these layers, improving the
stem by up to 30%

Improving performance
Combining systems

HI! COOL + Lfans = **Thermal comfort**



HOW DO HVLS FANS WORK?

Lfans ® HVLS industrial ceiling fans are experts at moving large amounts of air efficiently and quietly to the floor at low speed.

Once these air currents reach the floor, they disperse in all directions, covering every corner of the workspace with uniform circulation.

The cooling sensation generated by air movement mimics the pleasant natural breeze, providing a sensation of freshness that can feel up to -6° degrees lower than the actual temperature. This experience is significantly more comfortable than the air produced by conventional heating and air conditioning systems.

BREATHE QUALITY AIR. EFFECTIVE SOLUTION FOR LARGE SPACES

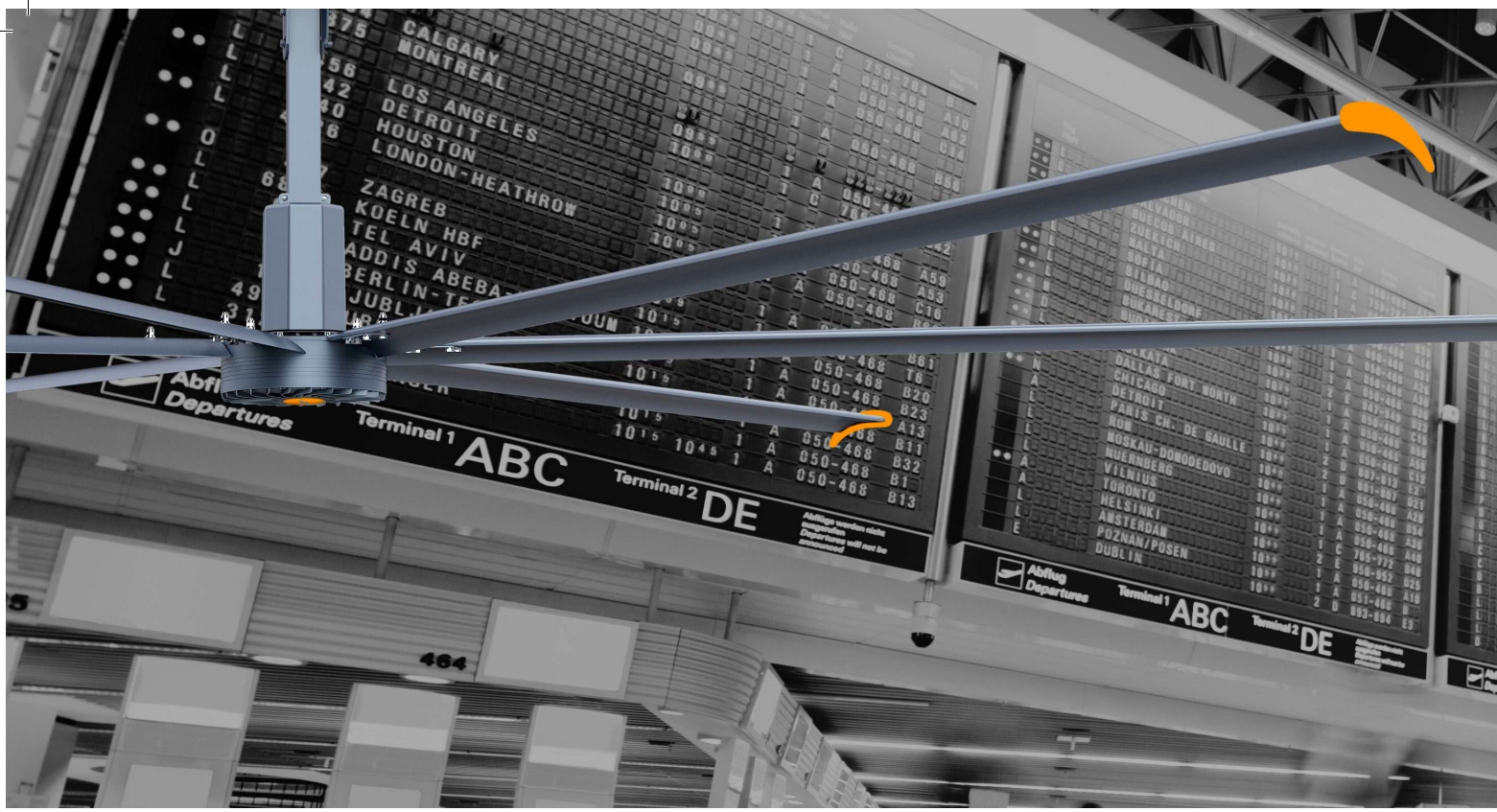
WE OFFER THE MOST EFFECTIVE AND ENVIRONMENTALLY FRIENDLY VENTILATION SOLUTION FOR ANY INDUSTRIAL ENVIRONMENT.

ENERGY EFFICIENCY

In terms of energy efficiency (EE), Lfans ® HVLS fans are an **excellent option for businesses looking to reduce their energy consumption and save operating costs.**

By using high-efficiency motors and moving **large amounts of air with low energy consumption,** HVLS Lfans ® can significantly contribute to reducing your electricity bill.
In addition, improving the comfort of employees and customers, which contributes to **increasing productivity and job satisfaction.**

Not only are they an effective solution for improving air circulation in large spaces, but also they are a sustainable option that can have a positive **impact on a company's energy efficiency and carbon footprint.**



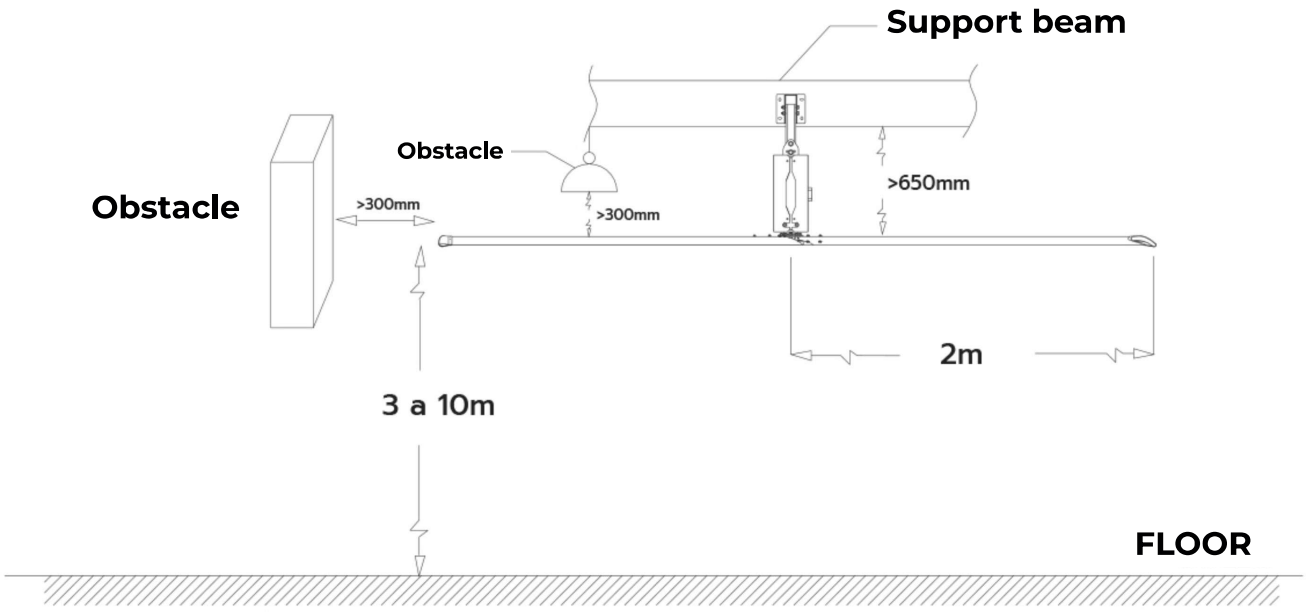
HVLS magnetic industrial fan,
wide coverage and low consumption

Characteristics

- High volume low rotation speed (HVLS) fan with the capacity to move large amounts of air, wide coverage and low consumption
- High-efficiency advanced aerodynamic design blades for 360° air circulation
- High capacity for air renewal in spaces and reduction of relative humidity levels
- Easy installation on all types of ceilings over 4 meters high.

Diameter:: 3.7 meters
Engine: 0.37 kW
Revolutions:: 100 rpm
Air flow: 9.700 m^3/min
Coverage: 500 m2
Current: 220V
Weight: 70 Kg
Loudness 38 dB

Spaces required for assembly



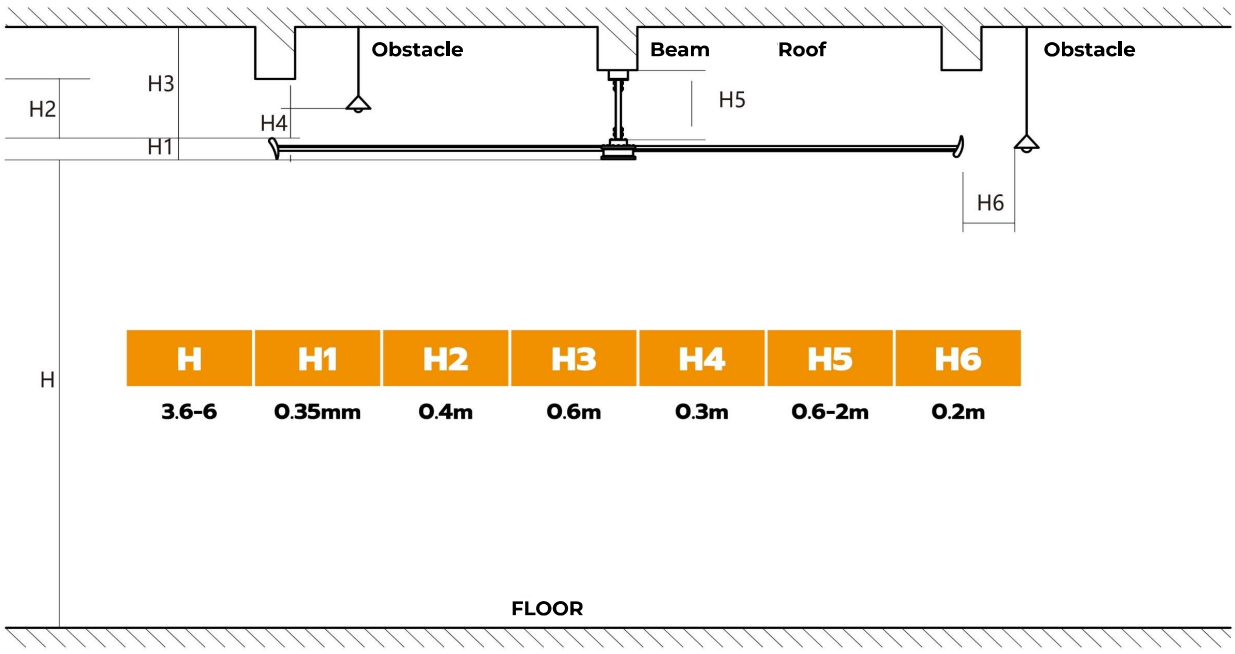
HVLS magnetic industrial fan,
wide coverage and low consumption

Characteristics

- High volume, low rotation speed (HVLS) fan with the capacity to move large amounts of air, wide coverage and low consumption
- High-efficiency advanced aerodynamic design blades for 360° air circulation
- High capacity for air renewal in spaces and reduction of relative humidity levels
- External Rotor Permanent Magnetic Motor
- Easy installation on all types of ceilings over 6 meters high
- High precision transmission, SKF bearings and high precision assembly
- Electrical and structural protection measures

Diameter:: 5 meters
Engine: 0.75 kW
Revolutions: 80 rpm
Air flow: 11.000 m^3/min
Coverage: 1200 m2
Current:: 220V
Weight: 84 Kg
Loudness: 38 dB

Spaces required for assembly



H	H1	H2	H3	H4	H5	H6
3.6-6	0.35mm	0.4m	0.6m	0.3m	0.6-2m	0.2m

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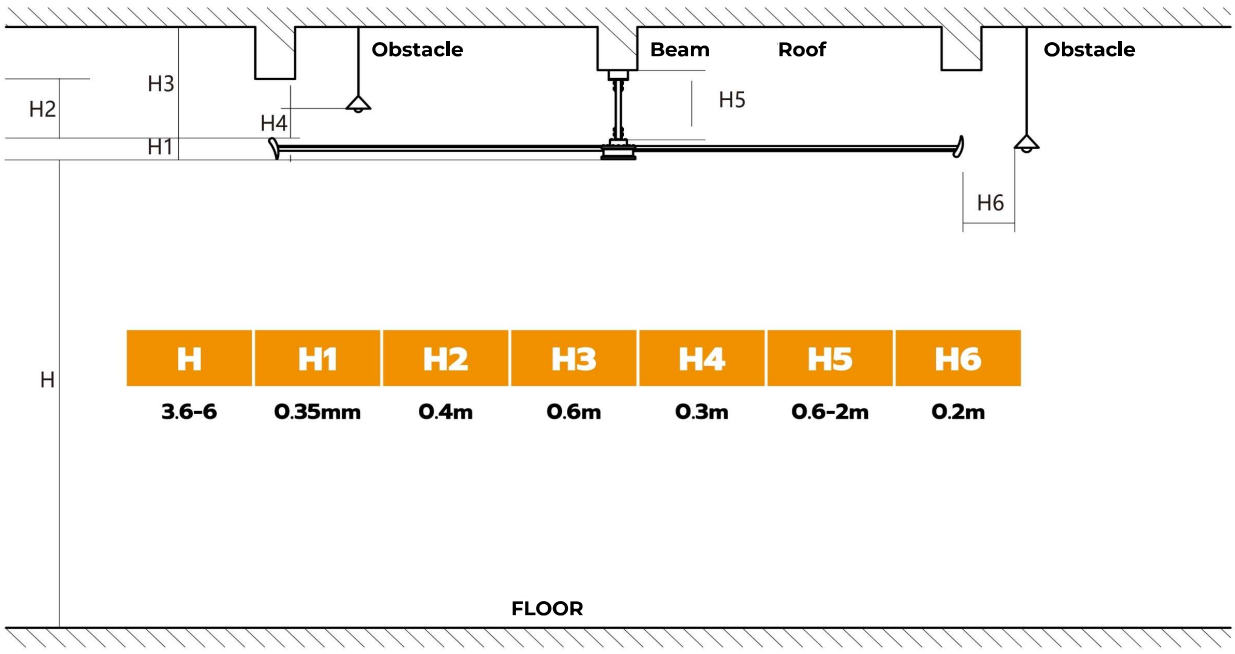
- External Rotor Permanent Magnetic Motor
- Easy installation on all types of ceilings over 6 meters high
- High precision transmission, SKF bearings and high precision assembly
- Electrical and structural protection measures

Diameter:: 7,3 meters
Engine: 1,1 kW
Revolutions: 55 rpm
Air flow: 13.000 m^3/min
Coverage: 1800 m2
Current:: 220V
Weight: 143 Kg
Loudness: 38 dB

Spaces required for assembly



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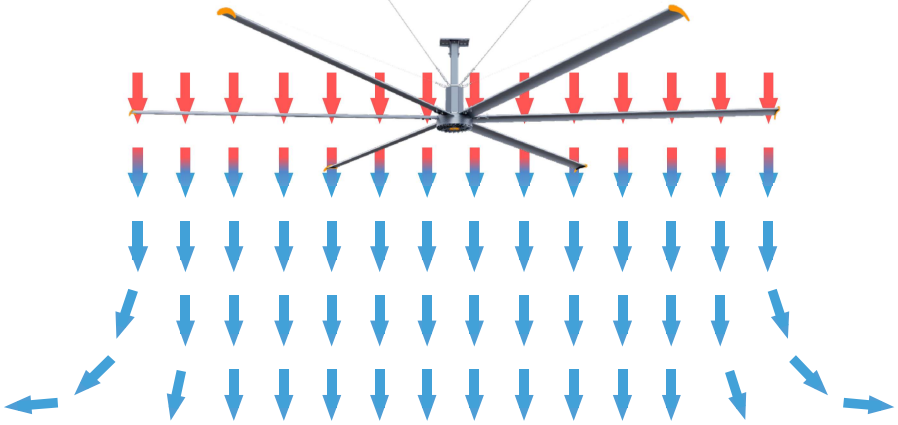
3.6-6	0.35mm	0.4m	0.6m	0.3m	0.6-2m	0.2m

Lfans

1800m²



13.000m³/min

without a constant airflow

THE TECHNOLOGY TRUSTED BY THOUSANDS OF COMPANIES

Authorized distributor:

Kind Dennis

Tel. +32 477 50 36 90