SuperAir Series HVLS Fans

Fan Diameter: 4500–7300 mm

Powering Comfort, Elevating Performance

SuperAir fan products leverage advanced **PMSM (Permanent Magnet Synchronous Motor)** technology to deliver powerful and energy-efficient large-scale airflow. **SuperAir fan products** ensures consistent and silent operation, creating comfortable environments across vast areas while significantly reducing energy consumption. Ideal for industrial, commercial, and public spaces, **SuperAir fan products** enhances air circulation efficiency, minimizes maintenance, and maximizes long-term reliability, making it a sustainable choice for large venues.

Key benefits for customers include:

- **Energy Savings:** Lower energy costs by enhancing cooling and heating efficiency.
- **Comfort:** Provide consistent airflow, eliminating hot spots and improving overall air quality.
- **Noise Reduction:** Quiet operation ensures minimal disruption in workplaces or public areas.
- **Durability:** Built to withstand demanding conditions, ensuring long-term reliability.
- **Versatility:** Suitable for industrial, commercial and agricultural applications.

SuperAir Series HVLS Fans
Product Applications

SuperAir HVLS Fans (Maximum product diameter reaches 7.3m/24ft) is designed to improve air circulation and temperature control in large or challenging spaces. SuperAir HVLS fans efficiently distribute air, creating a more comfortable environment while reducing reliance on HVAC (Heating, Ventilation, and Air Conditioning) systems.

By choosing SuperAir products, customers gain a sustainable, cost-effective, and high-performance solution for airflow and comfort needs.

Application Scenarios:

- **Industrial Environments:** Factories and Warehouses: Address heat and air stagnation issues, enhance employee comfort, and boost productivity.
- **Logistics Centers:** Improve airflow across large areas, reducing temperature and humidity levels.
- **Commercial Environments:** Provide comfortable air circulation, attracting more customers.
- **Sports Arenas and Exhibition Halls:** Cover large areas and enhance airflow efficiency.
- **Schools and Libraries:** Deliver quiet, balanced airflow for large spaces.
- **Agricultural Uses:** Farms and Livestock Facilities: Optimize airflow to reduce moisture, lower disease risks, and increase productivity.

CONINCO Fans stands out as an industry leader in airflow solutions due to its innovative design, reliable performance, and versatile applications.

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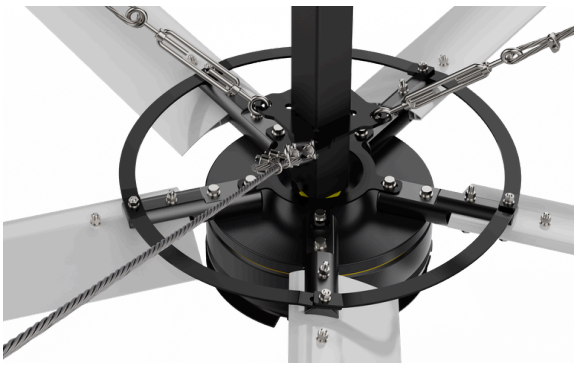
SuperAir Series HVLS Fans
Key Features



Advanced PMSM Technology

CONINCO Fans equipped with PMSM (Permanent Magnet Synchronous Motor) technology deliver exceptional energy efficiency, stable performance, and ultra-quiet operation. These motors provide precise control and consistent airflow, making them ideal for large spaces. With a compact, lightweight design and maintenance-free requirements, PMSM motors enhance reliability and reduce operational costs, offering a sustainable and high-performance solution.

Benefit of PMSM technology:
1. High Efficiency and Energy Saving
2. Stable and High Performance
3. Quiet Operation
4. Compact and Lightweight
5. Maintenance-free technology
6. Versatile Applications

PMSM motors are the preferred choice for modern high-performance applications due to their efficiency, reliability, and quiet operation.

Quiet Operation

Despite their powerful performance, SuperAir fans maintain low noise levels during operation. Even in environments where continuous operation is required, they provide a quiet working atmosphere, reducing noise pollution and making them ideal for locations with strict noise requirements. Motor noise level is less than 40 dBA.

Energy-Efficient

The SuperAir fans are designed with high efficiency and low-speed operation. The PMSM drive technology enables the large fans to generate greater airflow over a larger area with lower energy consumption. Compared to traditional fans or air conditioning systems, it saves a significant amount of energy and reduces overall energy costs.

Large area coverage

With wide area coverage, SuperAir fans effectively circulate and distribute air. Designed with low-speed, high-volume airflow, fans can cover areas up to several dozen meters, ensuring uniform temperature and humidity control, while enhancing comfort in the space.

High Durability and Reliability

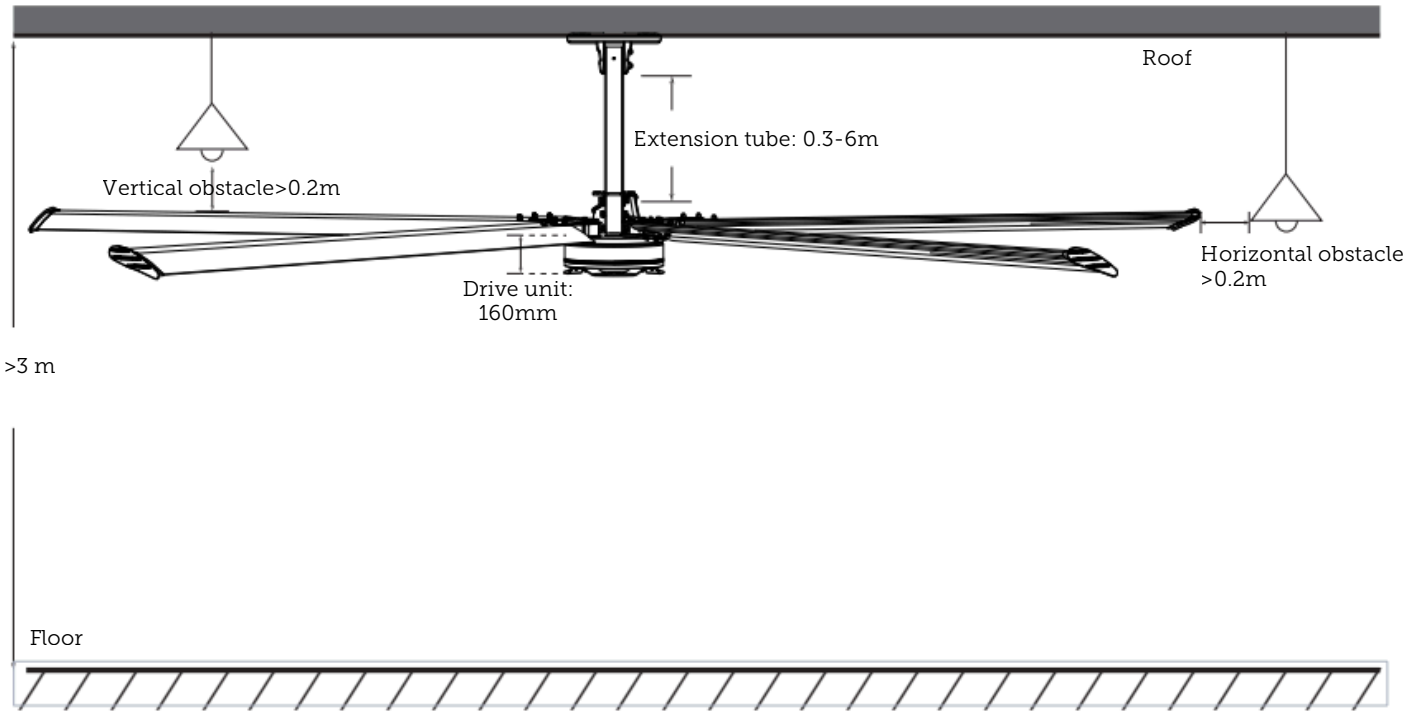
The SuperAir fans are made with reinforced high-quality materials that offer exceptional durability and corrosion resistance. Whether in extreme heat, humid, or corrosive environments, they can operate reliably, ensuring long-term, stable performance.

Exceptional Safety Design

CONINCO HVLS fans excels in safety design. The fans are constructed with high-strength materials and equipped with anti-fall protection devices, ensuring safe and reliable operation. Advanced control systems monitor real-time performance to prevent overload and malfunctions. The unique blade design reduces air resistance, minimizing potential risks.

All products undergo rigorous quality testing and comply with international safety standards. Whether in industrial facilities or public spaces, Coninco fans delivers exceptional safety performance, providing customers with peace of mind.

SuperAir Series HVLS Fans
Technical Parameters



Fan	Diameter	Air volume,m^3/min	Weight(kgs)	Max speed	Input power	Full load current
SA5-73	24ft (7.3m)	15000	254 lb (115kg)	54RPM	1.3kw	4.3A
SA5-61	20ft (6.1m)	14100	245 lb (111kg)	60RPM	1.1kw	2.8A
SA5-55	18ft (5.5m)	13250	229 lb (104kg)	64RPM	0.7kw	2.5A
SA5-50	16ft (5.0m)	9680	194 lb (88kg)	64PRM	0.45kw	2.2A
SA5-45	15ft (4.5m)	9210	190 lb (86kg)	72RPM	0.32kw	1.6A

Installation Requirements:

- Building Structure: H-beams, I-beams, steel-concrete square beams, spherical column types, and other structures.
- Total building height must be greater than 3.5m.
- The minimum safe distance between the fan blades and obstacles is 0.2m.

Others:

- Weight: Above weight does not include control cabinet, extension rods, top connection components, etc.
- Fan Diameter: The diameters listed above are standard product sizes; other specifications can be customized.
- Blade Color: The standard color is silver; other colors are customizable.
- Input Power: Single-phase 220V ± 10%.
- Alternative Voltage Specifications Available Upon Request

CONINCO Fans

Email: sales@conincofans.com
Website: www.conincofans.com
Tel: +65 69587868

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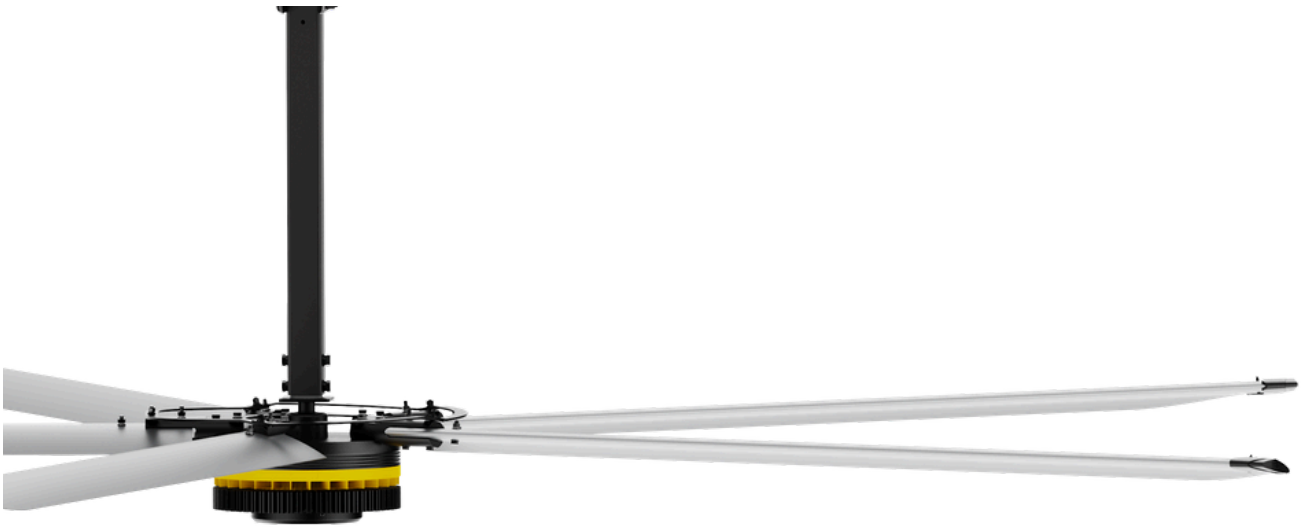

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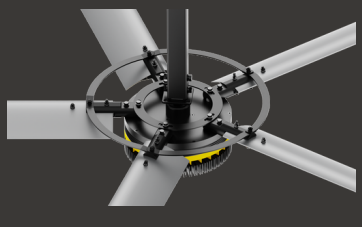

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Low Noise

CONINCO Fans excels in noise control. Equipped with precisely designed blades and efficient PMSM motor, the fans significantly reduce operational noise, delivering exceptional quietness even at low speeds. The optimized aerodynamic design minimizes air resistance and vibration, creating a serene and comfortable environment for users. Whether in factories, offices, or public spaces, the low-noise operation of CONINCO HVLS fans ensures minimal disruption to daily activities, making it an ideal choice for noise-sensitive environments.

Exceptional Safety Design

CONINCO HVLS fans excels in safety design. The fans are constructed with high-strength materials and equipped with anti-fall protection devices, ensuring safe and reliable operation. Advanced control systems monitor real-time performance to prevent overload and malfunctions. The unique blade design reduces air resistance, minimizing potential risks.

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Exceptional Durability

CONINCO HVLS fans features aerospace-grade high-strength blades with outstanding tensile strength and corrosion resistance, ensuring long-term, stable operation in harsh environments. The blades undergo precision balancing tests, effectively reducing vibrations and stress during operation, which extends the fan's lifespan. Additionally, the product incorporates multiple safety designs, including anti-fall protection, an intelligent control system, and overload protection, ensuring safe operation. These designs not only reduce the risk of downtime due to malfunctions but also significantly lower maintenance requirements and costs.

Whether in industrial factories or commercial spaces, or other facilities, CONINCO HVLS fans provides reliable and efficient air circulation solutions, combining high performance and safety to maximize long-term value.