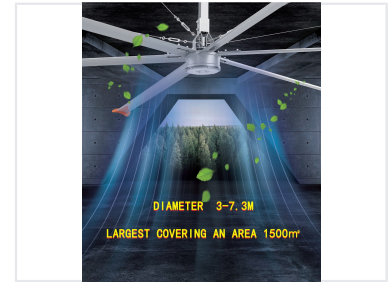
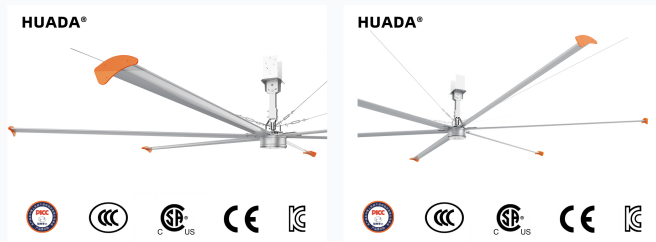


# Large Industrial Ceiling Fan for Air Circulation

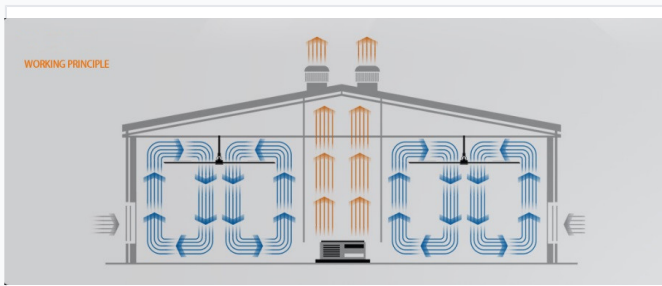
This large industrial ceiling fan is designed to improve air circulation in spacious environments. It features a permanent magnet motor for energy-efficient speed control and provides a consistent breeze, similar to natural wind.



## ADDITIONAL IMAGES



## Product Overview



Working principle: The fan pushes a large amount of airflow to the ground, contributing to overall air circulation.



Engineered for durability and efficiency, providing a natural wind experience in large indoor environments.

## High-Efficiency Industrial Air Circulation

The HDS series smart permanent magnet large ceiling fans are engineered to improve working environment comfort through high-volume, low-speed (HVLS) airflow. Featuring a self-designed variable frequency speed control and a permanent magnet external rotor motor, these fans deliver high efficiency and energy savings. They are ideal for industrial plants, logistics warehousing, and large public spaces, providing a natural breeze experience that contributes to overall air circulation and personnel cooling.

## Performance Metrics

### Key Performance Metrics

**1500 m<sup>2</sup>**

Max Coverage Area

**38 dB**

Operating Noise

**15000 m<sup>3</sup>/min**

Max Air Volume

## Technical Specifications

### Model Comparison Data

Model	Diameter (m)	Power (kW)	Air Volume (m <sup>3</sup> /min)	Speed (rpm)
HDS-3	3	0.37	4000	120
HDS-4.3	4.3	0.75	7000	90
HDS-5	5	0.75	10000	80
HDS-6.1	6.1	1.1	11500	60
HDS-7.3	7.3	1.5	15000	50

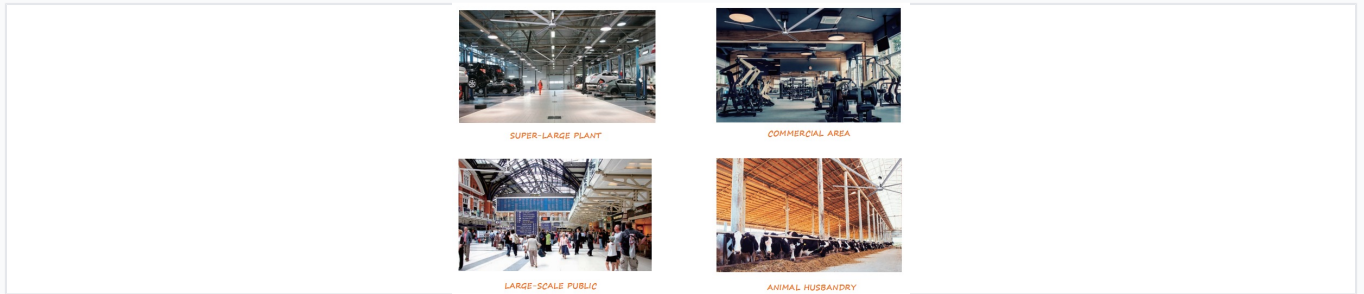
## Electrical & Mechanical



High-volume low-speed (HVLS) design with IP66 rated protection and aerodynamic aluminum alloy blades.

Operating Voltage	220-240V / 380-460V
Frequency	50/60 Hz
Number of Blades	5 or 6 pieces
Motor Technology	Permanent Magnet, External Rotor, Variable Frequency Drive, Direct Drive

## Applications



Ideal for super-large plants, commercial areas, and public spaces to maintain consistent airflow.

### Recommended Environments

- Industrial Plants
- Logistics Warehousing
- Exhibition Halls
- Physical Education Halls
- Super Tall Space Places
- Commercial Areas
- Animal Husbandry Facilities

## Compliance & Safety

### Safety Certifications

CCC • CE • IP66 • ISO 9001

### System Protections

Overvoltage, Undervoltage, Overload, Overheating, Lightning Strike Protection, Phase Loss Protection

## Installation & Maintenance

### Mounting Options

- Concrete Structure
- Square Steel Beam
- Steel Structure / H-Type Steel