

Delivery Premium Quality Fans Globally for Healthier Breathing



Vision

World's Largest Selection of Fan Products
World's Most Comprehensive Fan Solutions



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Please contact us for more technical solutions



English Website



Chinese Website

LONGWELL TECHNOLOGY

High-Quality Air & Smart Fan

Turn to Experts in HVACR

"Born for High-Quality Breathing
LONGWELL Fans Power Your Equipments."

High Efficiency

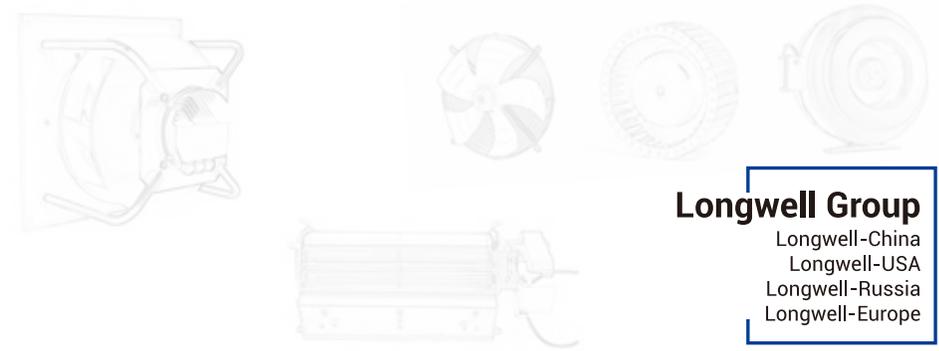


High Performance



High Quality

OEM/ODM Customization



Longwell Group
Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe



Mission:

Delivery Premium Quality Fans Globally for Healthier Breathing

Vision:

World's Largest Selection of Fan Products, World's Most Comprehensive Fan Solutions

Value:

Customer First, Openness, Integrity, Pragmatism, and Results-Oriented



COMPANY Introduction

OEM for Well-Known Brands

Supplies Fortune 500 Companies

Global Technical Support

LONGWELL is a leading fan manufacturer, specializing in high-quality fans, blowers, motors, and components for heating, ventilation, air conditioning, and refrigeration applications. We have a strong presence in delivery capabilities, design and R&D capabilities, as well as manufacturing, placing us at the forefront of the industry.

Our product range includes EC/DC/AC centrifugal fans, axial fans, AC/BLDC cross-flow fans, single/double forward curved fans, AC/BLDC/ECM motors, and industrial fan blowers. Since our establishment in 1990, we have continuously upgraded our facilities and production capacity, boasting advanced testing labs and production facilities with an annual capacity of millions of fans. With over 20 years of experience, we are highly skilled in the design, development, and manufacture of fans and motors. We export to over 30 countries and serve numerous Fortune 500 clients.

Our facilities and products are compliant with certifications such as ISO9001, ISO14001, BSCI, CE, UL/ETL, CCC, EMC, and LVD. These certifications demonstrate our compliance in quality management, environmental management, social responsibility, and product safety. We are quality-oriented and dedicated to providing products and services that meet international standards.  LVD

Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

As industry leaders, we prioritize technological innovation and efficiency. We employ advanced technologies such as aerodynamics principles and CFD simulation to ensure precise and efficient fan designs. Additionally, we offer customized services to design and manufacture fan systems according to specific customer requirements. Our focus is on providing high-tech, high-efficiency products that meet our customers' needs and contribute to a better future.

At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials to deliver products that are efficient, safe, and reliable. Our brand is widely recognized globally, and we are committed to promoting sustainable development and advancing the efficient fan industry.

LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193

Staff

40000m²

Floor Space

500⁺

Branding Clients

1,000,000⁺ pcs

Annual Outputs

6

Overseas offices
on spot support

50⁺

Members
R&D Team

Factory Profile



TECHNICAL ADVANTAGES



Technical Strengths

Advanced EC (Electronically Commutated) motor drive technology enables efficient and precise fan speed control.

By fully applying the principles of aerodynamics and CFD (Computational Fluid Dynamics) simulation technology, we ensure the accuracy and efficiency of fan design.

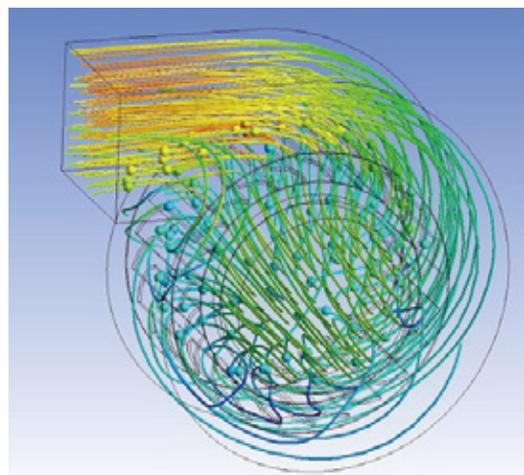
Understanding the characteristics of air flow, including key parameters such as the aerodynamic performance of fan blades and flow field distribution, we use CFD simulation technology for precise numerical calculations and simulations to optimize fan design and improve overall efficiency and performance.

Based on customer needs and specific application scenarios, we conduct detailed fan selection analysis. We consider factors including gas flow rate, pressure requirements, noise control, and energy optimization to ensure the selection of the most suitable fan solution.

Certificate Showing



Enterprise Credit Evaluation Certificate - Highest Level in China



Centrifugal Fan

Feature: Robust Airflow Solutions for Effective Ventilation. Sturdy construction and advanced design providing efficient and reliable ventilation for a wide range of industrial and commercial applications

Diameter of Impeller: 133, 175, 190, 220, 225, 250, 280, 310, 355, 400, 450, 500, 560, 630mm

Voltage Ranges: AC 115V/230V/380V, DC 24V/48V/80V/310V, EC 115V/230V/380V

Motor Type: AC/DC/EC External Rotor Motor (30W-5.9KW)

Air Flow: 200-24000m³/h (Static Air Pressure: 400-2100Pa)



EC/DC Backward Fan With Bracket



EC/DC Backward Fan With Bracket



EC/DC Backward Fan



EC/DC Backward Fan



EC/DC Backward Fan



AC Backward Fan



EC/DC Forward Centrifugal Fan



AC Forward Centrifugal Fan



AC Forward Centrifugal Fan



Forward Curve Blower Single Inlet



Forward Curve Blower Dual Inlet



Forward Curve Blower Dual Inlet

Axial Flow Fan

Feature: Powerful and efficient air movement capabilities, delivering optimal ventilation across diverse industrial and commercial applications

Diameter of Impeller: 195, 200, 225, 250, 280, 300, 350, 400, 450, 500, 550, 600, 630, 700, 800, 900mm

Material: Plastic/Aluminum Alloy/Cast Iron

Voltage Ranges: AC 115V/230V/380V, DC 24V/48V/310V, EC 115V/230V/380V

Motor Type: External/Internal Rotor Motor (AC/DC/EC)

Input Power: 70W-4400W

Air Flow: 200-30200m³/h



EC/DC Axial Fan With Grid



EC/DC Axial Fan With Panel



AC Axial Fan With Grid



AC Axial Fan



AC Axial Fan With Panel



Axial Fan



Axial Cooling Fans



DC Blower



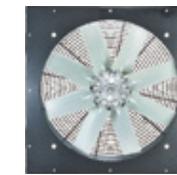
Powerful Axial Blower



Portable Ventilator



Internal Rotor Axial Fan



Internal Rotor Axial Fan

Cross Flow Fan

Feature: Uniform and Directional Airflow for Optimal Ventilation
 Diameter of Impeller: 25, 30, 40, 43, 45, 50, 60, 65, 80, 90, 100, 110, 120, 150, 180, 200mm
 Material: Galvanized Metal (Housing) / Aluminum Alloy (Blades)
 Voltage Ranges: AC 115V/230V/380V, DC 21V/24V/48V, EC 115V/230V
 Motor Type: BLDC External Rotor Motor / AC Shaded Pole Motor / EC Motor
 Speed Range: Up to 3600 RPM
 Typical Applications: Trench Heaters, Floor Convectors, Heating & Cooling Equipments, etc



DC Cross Flow Fan
(up to 420mm)



DC Cross Flow Fan
(up to 710mm)



DC Cross Flow Fan
(up to 1050mm)



AC Cross Flow Fan



DC/EC Cross Flow Fan



Cross Flow Impeller
(Heavy Duty-up to 3000RPM)

Cooling Chain Fans and Blowers

Powerful airflow to effectively circulate cool air and maintain consistent temperatures
 Ensures proper ventilation and prevents heat buildup in critical areas
 Various sizes and configurations available to fit specific cooling chain applications
 Designed to maximize cooling efficiency while minimizing energy consumption



Condenser Cooling Fans
(Fan Coil Units)



Condenser Cooling Fans
(Axial Flow)



Condenser Cooling Fans
(Axial Flow)

Inline Duct Fan

Feature: Substantial airflow while minimizing power consumption, ensuring energy efficiency and cost-effectiveness
 Material: Metal/Plastic
 Fan Type: Mixed Flow Type / Super Silent Type
 Motor Type: AC Motor / BLDC Motor / BLEC Motor
 Size: 4Inch, 5Inch, 6Inch, 8Inch, 10Inch, 12Inch Maximum Flow Value: 200-7100CMH



EC Inline Duct Fans



Super-Silent Type
Inline Duct Fans



AC Plastic Inline
Duct Fan



AC Metal Inline Duct Fan



DC/EC Metal
Inline Duct Fan



EC Mixed Inline
Duct Fan



PVC Duct Fan



Anti-corrosion High Speed Air
Exchange Duct Fan



Split Duct Fan



Straight Through
Duct Fan



Duct Fan With Square
Housing - Backward Fan



Duct Fan With Square
Housing - Forward Fan

Commercial-Usage Centrifugal Blower

Feature: With high airflow and pressure, efficient energy-saving performance, long lifespan and reliability, low noise and silent design, as well as multifunctionality and flexibility. Suitable for different environments & complex working conditions

Motor Type: External Rotor Motor/ Internal Rotor Motor/EC Motor

Impeller Size: 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000mm

Air Flow: 200-100,000m³/h Static Air Pressure: 200- 3000Pa(Max)



DD Series Blower



DD Series Blower



Centrifugal Blower-Internal Rotor Motor



AT Series Blower



AT Series Blower



RDH Series Blower



EC Motor Blower



RLM Series Blower



RLM Series Impeller



Industrial Centrifugal Blower



Air Conditioner Blower



Air Conditioner Blower

Exhaust Ventilation Fans

Feature: Removes airborne pollutants, such as dust, allergens, and VOCs, promoting a healthier indoor environment

Enhances the overall comfort and well-being of living environments

Designed with noise reduction features to minimize noise levels

Supports environmentally friendly practices without compromising performance



Deluxe Louver Ventilator



Smallpox Straight Row Ventilating Fan



Window Bathroom Ventilator



Luxury Integrated Ceiling Ventilator



Luxury Type Cool Ventilator Fan



Exhaust Fans



Louver Exhaust Fans



Kitchen Exhaust Fans



Industrial Exhaust Fan



High Speed Metal Exhaust Fan



Flameproof Axial Flow AC Exhaust Fan



High-Temperature Industrial Exhaust Fan

Poultry Ventilation Fans

Feature: Energy-saving and environmentally friendly, the efficient fan provides good air circulation and reduces odors and pollutants



Fiberglass Fan



Poultry Ventilation Fans



Circulation Fan



Drum Fan



Push And Pull Type Fan



Frp Cone Fan

Gas Blower

Feature: Powerful airflow capabilities for effective gas movement and circulation
Minimizes pressure drops and optimizes gas flow rates for enhanced productivity
Advanced control systems for accurate gas flow adjustment and regulation
Enables fine-tuning of gas processes and ensures consistency in gas handling
Operations Built-in safety features to prevent gas leaks and maintain operational integrity



AC Gas Blower



EC Gas Blower



Premixed Blower

Roof Fans

Feature: Excellent airflow performance and efficient ventilation systems
Powerful airflow and low-noise operation
Reliable design and durable materials for various environments
Easy installation and maintenance process



Aluminum Centrifugal Roof Fan



Centrifugal Roof Fan



Axial Flow Roof Fan



No Power Roof Fan



Axial Roof Fan



Solar Roof Ventilation Fan

Fireproof Series Fans

Feature: Designed with fireproof materials and construction to withstand high temperatures and resist flames
Powerful airflow and ventilation capabilities for effective smoke extraction and air circulation
Engineered to maintain consistent performance even under extreme heat conditions
Fully compliant with fire safety regulations and standards



Fire Fighting High Temperature Fume Exhausting Mixed Flow Fan



Fire Fighting Entilating Double Functions Centrifugal Fan Box



Double Inlets Centrifugal Fan Box

Fan for Rail Transit System

Feature: High protection level, vibration resistance, and high-efficiency safety fans are suitable for various transportation equipment and complex working conditions.

Mainly Application :

1. Train Units Air Conditioning System
2. Train Units Heat-Dissipation System
3. Auxiliary Inverter Cooling System
4. Traction Units air Compressor Cooling System
5. Subway Auxiliary Inverter
6. Urban Rail Traction and Auxiliary Inverter



EC Fan & Blowers



Axial Fan



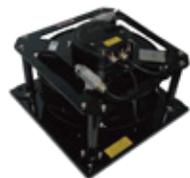
Crossflow Fan Product
(For Rail Transit)



Forward Multi-Wing
Centrifugal Fan



EC Fan (For Rail Transit)



Traction and Auxiliary
Inverter Cooling



Low Noise Multi-Wing
Centrifugal Fan



Multi-Wing Low Noise
Centrifugal Blower



High Efficiency Low
Noise Multi-Wing Fan



Boiler Induced Draft Fan
(High Temperature Resistance)



Centrifugal Fan
(Aluminium Fan)



Centrifugal Fan
(Aluminium Fan)

Air-Conditioning Products

Feature: Advanced design and optimal air flow control, Create a comfortable indoor environment while reducing heating or cooling losses through open entrances



Air Curtain



Heating Exchange Unit



Cassette Fan Coil Units

Explosion-Proof Fan

Feature: Ensures safety in explosive or potentially explosive atmospheres
Robust construction and materials designed to withstand hazardous conditions
Highly efficient airflow performance while maintaining safety standards
Wide range of applications, including chemical plants, refineries, and industrial facilities



Explosion-Proof Fan



Mining Flame-proof
Axial Local Fan



Centrifugal Roof Fan

Blowers

Feature: Powerful airflow for rapid drying of floors, carpets, and surfaces
 Lightweight and portable design for easy maneuverability
 Efficient air delivery for maintaining optimal oxygen levels in ponds or aquariums
 Essential for aquaculture farms, water treatment facilities, and hobbyist aquariums



Floor Dryer Blowers



Floor Dryer Blowers



Air Blower



Anti-Corrosion Centrifugal Fan



Portable Blower



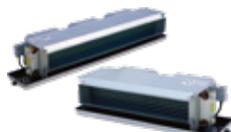
Oxygenation Blower

Fan Coil Units

Feature: Comprehensive air conditioning solutions suitable for various building types
 High-efficiency heat exchange technology for comfortable indoor environments
 Precise temperature control and energy-saving design
 Compact size and flexible installation options



EC Fan Coil Units Blower



Metal Fan Coil Unit



Fan Coil Units

Motors

Input Voltage: AC/EC -115V/230V/380V,DC12V/24V/48V/80V/310V
 Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc
 EC Motor Feature: Electronic commutation, electronic protection, long lifespan, twice the efficiency of traditional motors, high efficiency up to 90%.



AC Motors



EC/DC Motors



ECM&Shaded Pole Motors



Servo Motor



Gear Motor



Air Conditioning Motor



Air Conditioner Motor



Air Conditioner Motor



Ultra-high Speed Motor



Three-Phase Induction Motor



Three-Phase Induction Motor



Induction Motor

Air Conditioner Impellers and Parts

Material: Plastic (ABS,PP,ABS+GF)

Feature: Durable, high-quality raw materials and strong customization, in line with the aerodynamic design, high efficiency and high air volume pressure, ultra-high cost performance



Cross Flow Impeller



Axial Fan Blades



Axial Fan Blades



Centrifugal Fan Blades



Centrifugal Fan Blades



Centrifugal Fan Blades



Centrifugal Fan Impeller



Centrifugal Fan Impeller



Hub



Bearing Cup



Bearing and Shaft



Mould (OEM/ODM)

Accessories& Components

Feature: Complement your air conditioning system with our high-quality accessories designed to seamlessly integrate with leading air conditioning brands



Thermostat



Speed Regulator



Mechanical Thermostat



Capillary Thermostat



Controller



Electromagnetic Switch



Filter Element



Switch



Temperature&Humidity Transmitter



DC Power Switch



DC Power Switch



Carbon Filter