TEKSOL
GROUP SOLUTIONS

Ventilation

INFINAIR™

INFINAIR™

TEKSOL GROUP SOLUTIONS

INFINAIR Intelligent Ventilation Technology

- Smart Needs Identification

  Dynamically adjusting the operation target to the changing load and environment.
- Intelligent Adjustment

  Utilizing variable frequency or EC smart control technology, performance is finely tuned to actual needs under the dynamic control of intelligent speed regulation software.
- Intelligent Real-time Information

  Employing a variety of communication technologies to connect to the Internet or local area networks, enabling intelligent communication with central control systems and mobile devices.
- Intelligent Detection System

  Reliable sensors can detect early symptoms and notify the user, ensuring stable operation

Green Smart Simulation Technology

- CFD Simulation & Analysis

Simulated calculations are performed for the performance (airflow, air pressure, power consumption, and noise) prediction of the wheel aerodynamic model, enabling the anticipation of performance without the need to construct physical prototypes, thus facilitating rapid optimization.

- Finite Element Analysis Technology

To analyze and provide accurate prediction of how material is likely to respond when subjected to structural and/or thermal loads.

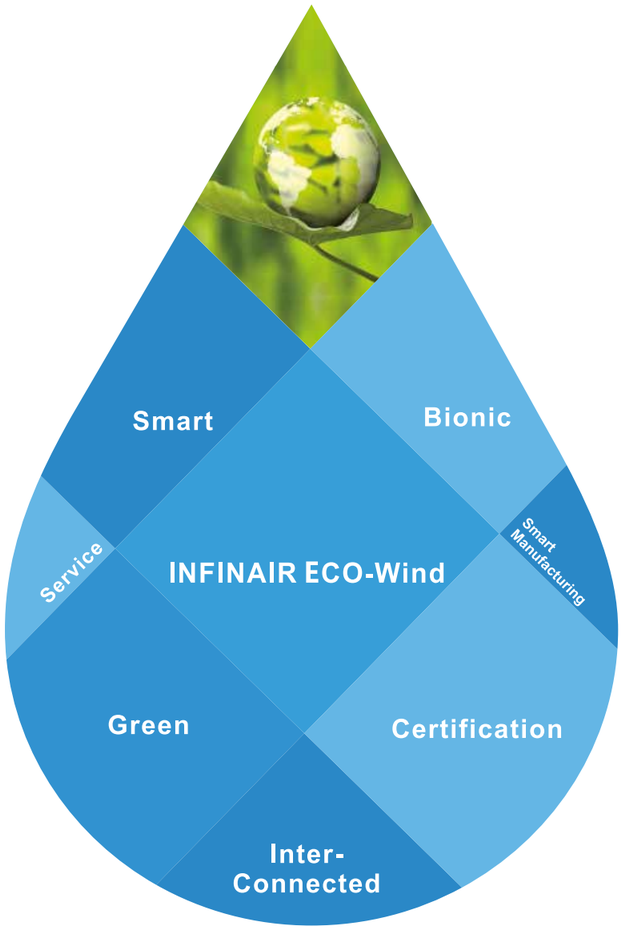
Certifications and Tests

- Most of the products are certificated by:

CCCf, AMCA, TUV, CE, ATEX, UL, RoHS and ErP2015

- Performance and Reliability Tests:

Air flow, air pressure, power, sound level, temperature durability, salt spray and water proof test, etc



Interconnected

- Matrix Connection
- Central Connection
- Terminal Connection

INFINAIR' s Bionic Technology

- INFINAIR' s Bionic Energy Conservation

Why can nautiluses float and swim effortlessly?
How do birds soar thousands of miles with extremely low energy consumption?
For owls' silent flight, why are even sensitive mice unaware of it?
Over millions of years of evolution, how have creatures in nature conserved energy for migration or remained silent while hunting prey?
INFINAIR has gained inspiration in the research and development of its products by using the bionic technologies.

INFINAIR' s Intelligent Manufacturing

- Intelligent production process
- Power test, dynamic balancing test and communication test performed on the production line
- Robotic welding technology
- Lean production
- 6Σ system

Eagle Service

- Joint R&D

By collaborating with clients in co-development and implementing quality planning from the outset, we swiftly deliver genuinely effective solutions.

- Tailored Solutions

Our customized services guide you through a progressive clarification process to pinpoint your exact needs precisely.

- Agile Services

With an extensive network of INFINAIR after-sale service engineers, we promptly offer professional services wherever you are.

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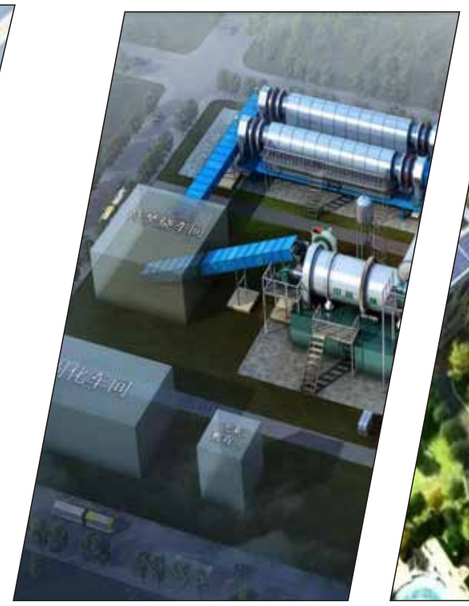
Global Market

With innovative products developed in line with latest international trends, high technical standards, and great product quality, INFINAIR has emerged as a leading brand in China's building ventilation sector. It has also amassed a broad customer base in the specialized process ventilation and customized supporting solutions. INFINAIR sales network spans nationwide and reaches major countries and regions globally,positioning the company as one increasingly conducting business and exerting influence across the world.

Green Energy

Backed by the high-precision simulation capabilities and experimental testing abilities, INFINAIR has become a core supplier of fans for wind power, new energy, and other sectors, contributing significantly to the ventilating fans development in the green energy industry. Customized products have been exported worldwide, garnering trust and praise from clients.



Green Environmen

INFINAIR pioneered a full series of planned centrifugal fans in the industry, differing from the traditional limited fan categories and ensuring every fan selection operates within high-efficiency ranges.This fulfills onsite requirements for energy conservation, consumption reduction, and reliable operation.Major products include:Multipurpose centrifugal fans, SWSI centrifugal fansDWDI centrifugal fans and stainless steel centrifugal fans.

Green Building

Featuring numerous domestically pioneering products that meet the demands for reliability, energy efficiency, and low noise for green operations, INFINAIR offerings are widely applied in public buildings, municipal projects, and industrial constructions.Main products include high-efficiency inline vane axial fans, high-efficiency fully mixed flow fans, inline square centrifugal fans, box-type centrifugal fans, roof centrifugal fans, and control cabinets, etc., catering to general ventilation, explosion-proof ventilation, and fire smoke extraction functions.

Intelligent Ventilation

INFINAIR EC intelligent fans employ a third-generation electronic commutation algorithm, refined through iterative improvements for exceptional performance. With exquisite brushless DC motor manufacturing techniques, they offer extended lifespan and high compatibility, suitable for remote monitoring, industrial IoT applications. Widely used in air filtration units, precision air conditioning, clean ventilation (hospitals, food processing, pharmaceutical R&D, semiconductors), air purifiers, modern breeding facilities, and wind power generation, these fans embody the future of smart ventilation systems.

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INFINAIR™

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Reliable

- Craftsmanship Precision: Perfecting Every Product
- Rigorous System Testing: Ensuring Uncompromised Quality
- Third-Party Verified: Trust Through Independent Validation

AMCA
Accredited Laboratory

Advanced
Manufacturing Capabilities

Great Employee
Expertise and Efficiency

Recognized
Third-party Certifications

INFINAIR™

TEKSOL GROUP SOLUTIONS

Convenient

- Complete Product portfolio;
- Customized to Order;
- Agile Services;

Customization Supported

Pre-sales Technical Suppor

Model Selection Software

VENTURI

Eagle Service

飞鹰服务 Eagle Service

One-stop Procurement

Detailed Technical Specifications

技术规范 Technical specification INFINAIR®

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TEKSOL GROUP SOLUTIONS

Novel

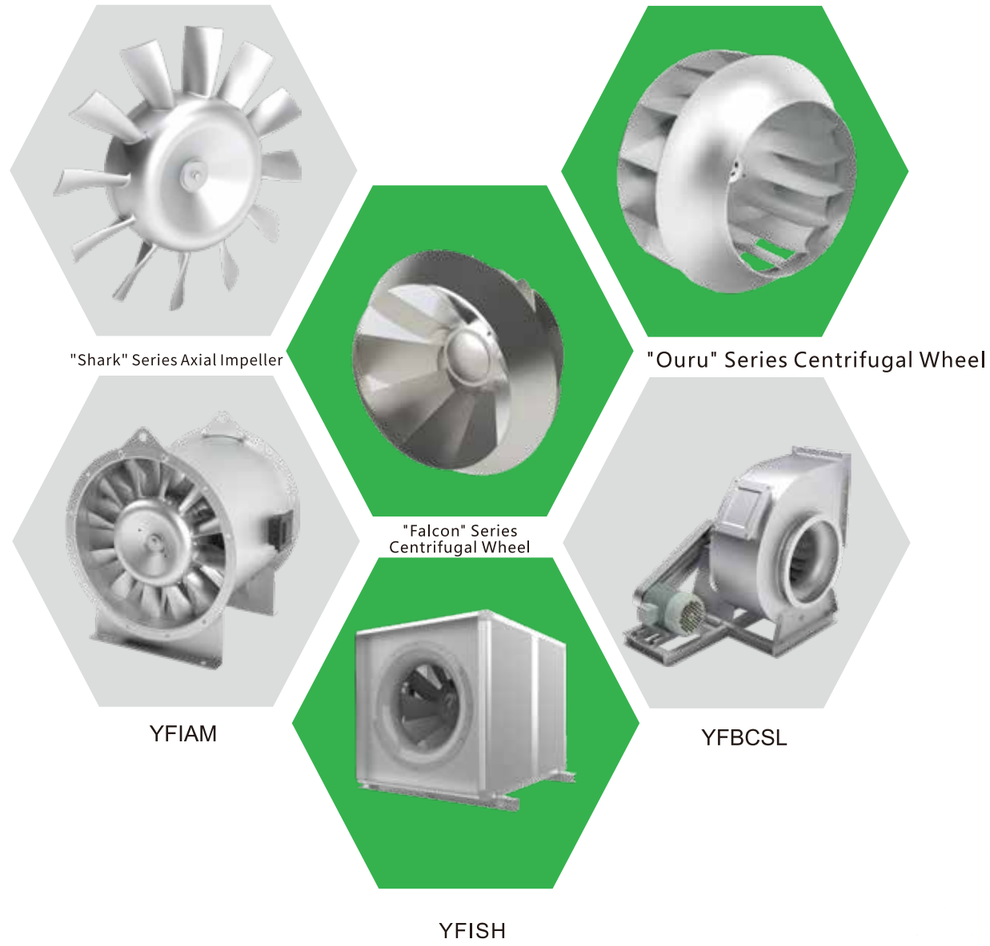
- Quieter Operation;
- More Energy-Efficient;
- Refreshing Experience

"Wind-Surfer" Fifth Generation Backward Inclined Centrifugal Wheel

"Sailfish" Series Axial Impeller

RTC

YFIAD



"Shark" Series Axial Impeller

"Ouru" Series Centrifugal Wheel

"Falcon" Series Centrifugal Wheel

YFIAM

YFBCSL

YFISH

Strive to be the Best

Attentive to Your Needs

Embrace a Broad Horizon

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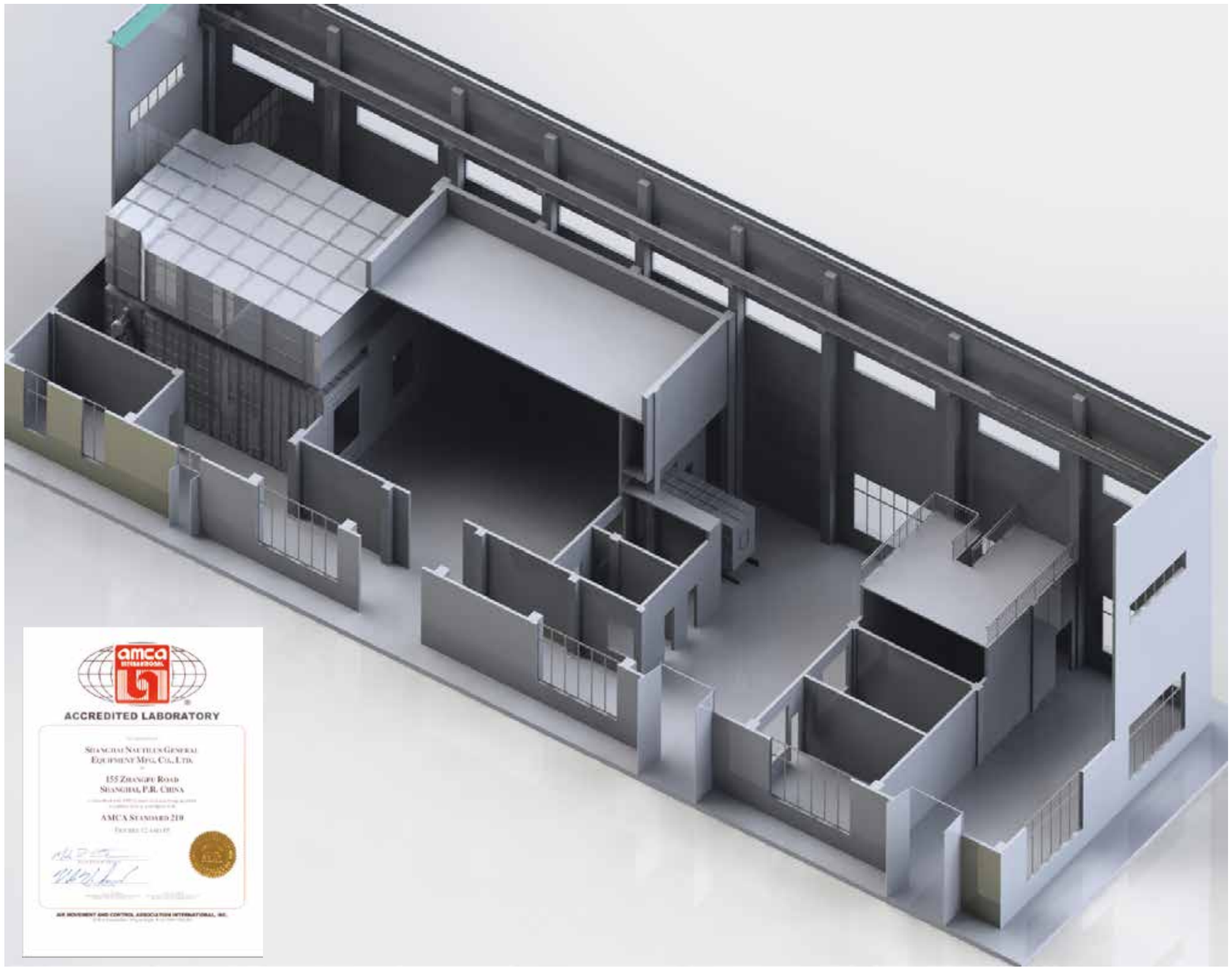
INFINAIR Laboratory



Established in 2006, INFINAIR laboratory underwent a significant upgrade and expansion in 2013 with an investment exceeding 13 million yuan. Today, it boasts four state-of-the-art air chambers, including two ultra-large facilities with a capacity of 200,000 m^3/h, one medium-sized facility at 30,000 m^3/h, and a micro precision facility handling 7,000 m^3/h. The laboratory also houses a large reverberation room, a semi-anechoic chamber, a high-temperature testing room, and an extra-large vibration testing bench, solidifying its position as a world-class industry-leading comprehensive testing and inspection .platform.

INFINAIR laboratory ensures the reliability of every device through rigorous and comprehensive testing, encompassing performance tests (aerodynamic performance, thermal cycling, humidity cycling, and high-temperature outdoor full-load operation), noise testing, motor performance assessments (dynamometer testing, electromagnetic performance, load temperature rise, efficiency testing), impeller overspeed trials, whole-unit vibration testing, high-temperature resistance, environmental simulations (rain test, dust resistance, salt spray test), impact resistance, durability testing, control system functionality checks (PCB temperature rise, speed adjustment, continuous start-stop and acceleration-deceleration, high-low voltage cycling), and safety compliance testing.

To guarantee the accuracy of aerodynamic performance and noise testing results, INFINAIR adheres to thefollowing practices:

1. Strict adherence to design, construction, and testing protocols outlined in standards such as AMCA 210, AMCA 300, ISO 5801 (equivalent to GB 1236), ISO 13350 (GB/T 19843), ISO 5802 (GB/T 10178), etc; 2. Advanced multi-nozzle methods replace traditional Pitot-static tubes for flow measurement, enhancing precision in aerodynamic performance testing;
3. Extensive use of the latest precision testing equipment and measuring devices recommended internationally;
4. Testing instruments and gauges undergo meticulous calibration with regular self-inspections and re-calibrations;
5. Third-party accreditation verifies technical excellence: Testing accuracy is recognized by the international AMCA, meeting top global standards, while the laboratory's systems and personnel qualifications are accredited by ISO/IEC 17025 through the China National Accreditation Service for Conformity Assessment (CNAS).

Maximum Tested Airflow of 200,000m^3/h (118,000 CFM)

4 Air Chambers of Different Functions and Airflows

Specialized Reverberation and Semi-anechoic Chambers

Ultra-large Vibration Testing Bench

Other Professional Auxiliary Testing Platforms

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1#, 2# Ultra-large Air Chamber

3# Medium-sized Air Chamber

4# Micro Precision Air Chamber

Ultra-large Vibration Testing Bench

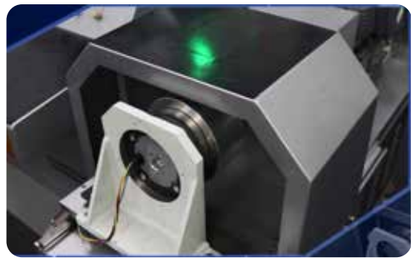
Semi-anechoic Chamber

Overspeed Test

Dust Resistance Test

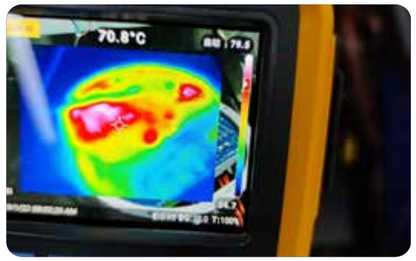
Rain Test

Salt Spray Test



Precision Torque Test

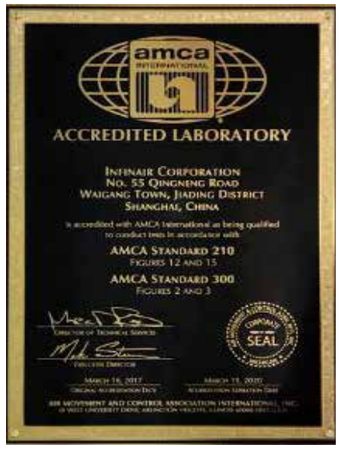
Temperature Rise Test of Motor Winding



Temperature Rise Test of PCB

High Temperature Resistance Test

Jet Fan Thrust Test



AMCA Accredited Laboratory

CNAS Accredited Laboratory

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INFINAIR Intelligent Manufacturing

INFINAIR digital factory is powered by "smart manufacturing,"features "data-driven" processes, and adheres to Industry 4.0standards, tailored to flexible manufacturing and emphasizing customization capabilities for customers. By integrating Enterprise Resource Planning (ERP), Product Lifecycle Management (PLM),Manufacturing Operations Management (MOM), WarehouseManagement System (WMS), and Distributed Control Systems (DCS),these five systems significantly enhance production efficiency and product quality.

INFINAIR value proposition for products is: Reliable, Convenient,and Novel. Reliability is the paramount pursuit of our products.Implementing 5S on-site management, Lean Production APQP(Advanced Product Quality Planning), and Six Sigma management systems, we consistently act to uphold these principles.

Investing heavily in laser cutters, plasma cutters, welding robots, CNC lathes, CNC bending machines, and CNC shearing machines,INFINAIR spares no expense in advanced equipment to ensure an extraordinary experience for you.

Moreover, with thousands of molds, we can swiftly switch between multiple impeller platforms to meet your specified performance requirements,facilitating rapid solution provision across a vast product portfolio.

Beyond hardware, we believe that people, particularly their spirit, are crucial.Craftsmanship is not only advocated within the workshop but also embodied in our rewards system, forming an integral part of Infly's corporate culture.

ISO 9001 Quality Management System

ISO 14001 Environmental Management System

ISO 45001 Occupational Health and Safety Management System

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TRINITY-LEAN Series Features

- INFINAIR TRINITY-LEAN smart fan's third-generation electronic commutation algorithm
- FEA (Finite Element Analysis) to verify structural reliability and longevity
- High-efficiency EC motor meeting European IE4 standards
- More efficient than AC motors under identical power conditions

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INFINAIR Smart Fan Control Technology

A. INFINAIR third-generation smart electronic commutation algorithm, refined through iterative improvements for excellence.
B. No position sensors required, enhancing reliability.
C. Utilizing sine wave modulation principles for stepless speed variation, ensuring smooth and stable operation.
D. Robust protective features backed by dual software and hardware protection strategies.
E. Standard industrial communication interfaces for flexible selection of control signals.
F. Enables remote monitoring via Industrial IoT, preventing issues beforehand.

In the comparison of energy efficiency between EC and AC motors, EC fans demonstrate an average energy saving capability of up to 30%.

Even when air velocities and loads undergo changes, EC fans retain their high-efficiency operation. Leveraging their continuous variable speed trait, EC fans can function at any rotational speed as dictated by external control signals. Compared to AC motors, EC motors exhibit a remarkable efficiency edge, leading to substantial improvements in both direct and indirect energy conservation across a wide spectrum of speed regulation ranges. When considering the more hardware costs associated with variable speed operations of AC motors (such as the use of variable frequency drives) and the operational losses, the high-efficiency advantage of EC motors becomes even more pronounced.

$\eta_{Controller}$ × η_{Motor} × $\eta_{Impeller}$

Control Efficiency × Motor Efficiency × Impeller Efficiency

=

$\eta_{EC\ Fan}$

EC Fan Efficiency

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Ouru™ Series SWSI Centrifugal Fan

YFBCSL

Product Name:YFBCSL

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ L Series Backward Ouru™ Series SWSI Centrifugal Fan
- Curved Centrifugal Wheel
- Diameter Range: 280–2,000mm
- Airflow Range: 1,000–418,831m³/h
- Static Pressure Range: 400–3,951Pa
- Temperature Range: -40°C–450°C

Product Features:

- Advanced L-type wheel design for hig efficienc and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability; Certified by AMCA for sound, aerodynamic
- performance, and energy efficiency, along with national explosion-proof certification, CE,and ATEX.

Ouru™ Series SWSI Centrifugal Fan

YFBCSR

Product Name:YFBCSR

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ R Series Backward Curved Centrifugal Wheel
- Diameter Range: 280–2,000mm
- Airflow Range: 2,500–221,296m³/h
- Static Pressure Range: 450–7,500Pa
- Temperature Range: -40°C–450°C

Product Features:

- Advanced R-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability; Certified by AMCA for sound, aerodynamic
- performance, and energy efficiency, along with national explosion-proof certification, CE, and ATEX.

Ouru™ Series SWSI Centrifugal Fan

YFBCSK

Product Name:YFBCSK

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ K-Series Backward Curved Centrifugal Wheel
- Diameter Range: 280–2,000mm
- Airflow Range: 2,700—116,700m³/h
- Static Pressure Range: 250—5,700Pa
- Temperature Range: -40—450°C

Product Features:

- Advanced K-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Certified national explosion-proof certification, CE, and ATEX.

INFINAIR™

TEKSOL GROUP SOLUTIONS

Ouru™ Series SWSI Centrifugal Fan

YFBCSP

Product Name:YFBCSP

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ P-Series Backward Curved Centrifugal Wheel
- Diameter Range: 280–2,000mm
- Airflow Range: 862—230,000m³/h
- Static Pressure Range:175—8,000Pa
- Temperature Range: -40—450°C

Product Features:

- Advanced P-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Multiple drive methods, offering more flexible selection and configuration options.

Ouru™ Series SWSI Centrifugal Fan

YFBCSO

Product Name:YFBCSO

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ O-Series Backward Curved CentrifugalWheel
- Diameter Range: 400—2,000mm
- Airflow Range: 1490—109,500m³/h
- Static Pressure Range:475—10,900Pa
- Temperature Range:-40—450°C

Product Features:

- Advanced O-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Certified national explosion-proof certification, CE, and ATEX.

Ouru™ Series SWSI Centrifugal Fan

YFBCSU

Product Name:YFBCSU

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ U-Series Backward Curved CentrifugalWheel
- Diameter Range:355—2,000mm
- Airflow Range:290—62,000m³/h
- Static Pressure Range:290—16,000Pa
- Temperature Range:-40—450°C

Product Features:

- Advanced U-type wheel design for high efficiency and overloadprevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Certified national explosion-proof certification, CE, and ATEX.

Ouru™ Series SWSI Centrifugal Fan

YFBCSG

Product Name:YFBCSG

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ G-Series Backward Curved CentrifugalWheel
- Diameter Range: 450–2,000mm
- Airflow Range: 450–67,000m³/h
- Static Pressure Range: 320–16,500Pa
- Temperature Range: -40°C–450°C

Product Features:

- Advanced G-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Certified national explosion-proof certification, CE, and ATEX.

Ouru™ Series SWSI Centrifugal Fan

YFBCSC/YFBCSE

Product Name:YFBCSC/YFBCSE

- Fan Type: Single Width Single Inlet (SWSI) Centrifugal Fan
- Wheel Type: Ouru™ C/E-Series Backward Curved Centrifugal Wheel
- Diameter Range: 500–1,120mm
- Airflow Range: 300–14,500m³/h
- Static Pressure Range: 1,000–21,000Pa
- Temperature Range: -40°C–450°C

Product Features:

- Advanced C/E type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- Integrated design ensuring greater reliability;
- Certified national explosion-proof certification, CE, and ATEX.

Ouru™ Series DWDI Centrifugal Fan

YFBCDL

Product Name:YFBCDL

- Fan Type: Dual Width Dual Inlet (DWDI) Centrifugal Fan
- Wheel Type: Ouru™ L-Series Backward Curved Centrifugal Wheel
- Diameter Range: 280–2,000mm
- Airflow Range: 1,112–499,500m³/h
- Static Pressure Range: 140–3,155Pa
- Temperature Range: -40°C–80°C

Product Features:

- Advanced L-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and leak proof;
- DWDI design for high airflow with compact size;
- Certified by AMCA for sound and aerodynamic performance efficiency

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Ouru™SeriesGlassFiber Reinforced Plastic (GFRP) Centrifugal Fan

BCSFS

Product Name:BCSFS

- Fan Type: GFRP Centrifugal Fan
- Wheel Type: Ouru™ F-Series Backward Curved Centrifugal Wheel
- Diameter Range: 500–1,120mm
- Airflow Range: 100–77,000m^3/h
- Static Pressure Range: 100–7,800Pa
- Temperature Range: -40°C–80°C

Product Features:

- Advanced F-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- High-quality glass fiber reinforced plastic (GFRP) material,offering high strength and excellent corrosion resistance;
- Scroll constructed with seamless bonding technology, ensuring superior airtightness and aesthetics;
- Customizable resin formulations available to cater to different concentrations and compositions of corrosive gases.

Ouru™ Plenum Centrifugal Fan

YFBCQQ

Product Name:YFBCQQ

- Fan Type: Plenum Centrifugal Fan
- Wheel Type: Ouru™ Q-Series Backward Curved Centrifugal Wheel
- Diameter Range: 225–1,120mm
- Airflow Range: 300–80,000m^3/h
- Static Pressure Range: 100–2,500Pa
- Temperature Range: -40°C–80°C

Product Features:

- Advanced Q-type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Optimized structural design for enhanced reliability;
- Direct drive mechanism without wear-prone components, requiring no maintenance;
- Equipped with VFD motors, enabling stepless speed regulation and significant energy-saving potential.

Ouru™ Plug Centrifugal Fan

YFBCPL/R

Product Name:YFBCPL/YFBCPR

- Fan Type: Plug Centrifugal Fan
- Wheel Type: Ouru™ L/R-Series Backward Curved CentrifugalWheel
- Diameter Range: 280–1,400mm
- Airflow Range: 1,000–100,000m^3/h
- Static Pressure Range: 500–6,000Pa
- Temperature Range: -40°C–450°C

Product Features:

- Advanced L / R -type wheel design for high efficiency and overload prevention;
- Wheel balance grade up to G4.0 (AMCA 204);
- Continuous steel welding for high strength and great reliability;
- Optional scroll and shaft cooling device, allowing for broader application versatility;
- Optional aluminum silicate insulation layer, suitable for use in high-temperature environments.

Metropolis Series Applications

- Fire smoke exhaust in public buildings
- Positive pressure ventilation in public buildings
- Low-noise ventilation within buildings
- Kitchen and restroom ventilation and control
- Ventilation for underground car parks

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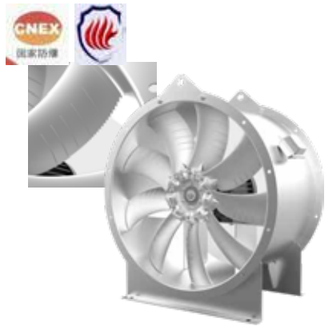
Airfoil Duct Axial Fan



YFIAD

Product Name: YFIAD

- Airflow Range:1,000—121,700m³/h
- Static Pressure Range: 50—1,160Pa
- Drive configuration: Direct drive
- Installation types: Base-mounted, ceiling-hung
- Applications: General air supply and exhaust, explosion-proof air supply and exhaust, smoke removal

Product Features:

- "Sailfish™" series inline vane axial impeller, featuring high efficiency and overload prevention;
- Axial impeller with variable blade angles, offering a wide performance range and more precise selection;
- Impeller blade materials available in cast aluminum or high polymer, providing a higher cost-performance ratio;
- Balance grade up to G25, minimizing noise and vibration;
- Direct drive mechanism without wear-prone components, requiring no maintenance;
- Epoxy resin electrostatic spray-painted housing, ensuring corrosion and rust resistance.

High Efficient Inline Vane Axial Fan

YFIAM

Product Name:YFIAM

- Airflow Range:4,000—230,000m³/h
- Static Pressure Range: 30—2,000Pa
- Drive Configuration: Direct drive
- Installation Types: Base-mounted, ceiling-hung
- Applications: General air supply and exhaust, explosion-proof air supply and exhaust, positive pressure air supply, smoke removal
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- "Shark™" series cast aluminum axial impeller, featuring high efficiency;
- CFD-optimized flow field for extensive refinement, ensuring a wide operating zone and preventing overload;
- Axial impeller with variable blade angles, offering more precise model selection;
- Balance grade up to G2.5 (AMCA 204);
- Large hub-to-tip ratio, ideal for long-distance transmission;
- Impeller die formed with cast aluminum technology, ensuring high reliability and suitability for prolonged operation.
- Certified by AMCA for sound and aerodynamic performance efficiency

Box-type Centrifugal Fan

YFISH

Product Name:YFISH

- Airflow Range: 1,000—135,000m³/h
- Static Pressure Range: 100—2,400Pa
- Drive Configuration: Direct drive
- Applications: General air supply and exhaust, filtered air supply and exhaust, sound-proof fan box, smoke removal, explosion-proof air supply and exhaus

Product Features:

- “Hunter” series centrifugal wheel, featuring high efficiency and overload prevention;
- Low-frequency noise for better experience
- Square design for multiple air outlet directions, saving installation costs;
- Balance grade up to G2.5 (AMCA204);
- Direct drive mechanism without wear-prone components, requiring no maintenance;

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Inline Square Centrifugal Fan

ISQ/YFISQ-D

Product Name: ISQ/YFISQ-D

- Airflow Range: 600–66,000m³/h
- Static Pressure Range: 100–2,100Pa
- Drive Configuration: Direct/Belt drive
- Installation Types: Base-mounted, ceilinghung
- Applications: Ducted air supply and exhaust, filtered air supply and exhaust, sound-proof fan box, smoke removal, explosion-proof air supply and exhaust
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency and overload prevention;
- Precision inlet cone for minimized turbulence and reduced noise;
- Square structure without scroll, compact insize, lightweight, and easy to install;
- Wheel balance grade up to G2.5 (AMCA 204);
- Certified by AMCA for sound andaerodynamic performance efficiency.

High-Efficiency Fully Mixed Flow Fan

YFIMF

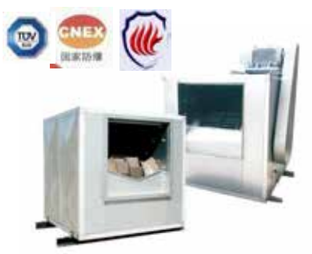
Product Name: YFIMF

- Airflow Range: 1,000–100,000m³/h
- Static Pressure Range: 100–2,150Pa
- Drive Configuration: Direct/Belt drive
- Installation Types: Rooftop/Base-mounted, ceiling-hung
- Applications: Ducted air supply and exhaust, positive pressure air supply, smoke removal, explosion-proof air supply and exhaust
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- "Whirlwind™" series full-mixed flow wheel, better than conventional semi-mixed flow designs;
- High efficiency, significantly reducing operating costs;
- Mixed flow noise characteristics, with low frequencies for an enhanced experience;
- Balance grade up to G2.5 (AMCA 204);
- Multiple drive methods, offering more flexible selection and configuration;

DWDI Cabinet Fan



YFICK

Product Name: YFICK

- Airflow Range: 1,400—130,000m³/h
- Static Pressure Range: 100—1,600Pa
- Drive Configuration: Belt drive
- nstallation Types: Base-mounted, ceilinghung
- Applications: Low-noise and high-static pressure air supply and exhaust in ducts, filtered air supply and exhaust, explosionproof air supply and exhaust, smoke removal
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- Dual inlet centrifugal wheel, offering high efficiency and low noise;
- Scroll fabricated with "Pittsburgh" lock seaming technique.
- Balance grade up to G2.5 (AMCA 204);
- Sealed box structure for further reduced noise;
- Multiple outlet directions available for various operating conditions;
- Belt drive, allowing for precise model election and on-site adjustment;

Inline Axial Fan

YFIAS

Product Name: YFIAS

- Airflow Range: 2,600– 116,786m³/h
- Static Pressure Range: 50–843Pa
- Drive Configuration: Direct drive
- Installation Types: Base-mounted, ceiling- hung
- Applications: General air supply andexhaust, positive pressure air supply, smoke removal

Product Features:

- "Catfish™" series steel axial impeller, featuring low vibration and high strength;
- Balance grade up to G2.5 (AMCA 204);
- Direct drive mechanism without wear-prone components, requiring no maintenance;
- Compact structure, saving installation space;
- Protected with epoxy resin electrostatic spraying, resistant to corrosion and rust.

Inline Cabinet Fan

YFILC

Product Name: YFILC

- Airflow Range: 200– 7,000m³/h
- Static Pressure Range: 50–500Pa
- Drive Configuration: Direct drive
- Installation Types: Duct-mounted, ceiling-hung
- Applications: Suitable for duct air supply and exhaust in buildings, hospitals, hotels, large supermarkets, etc.

Product Features:

- New air passage design effectivelysuppressing side noise generated by installation;
- Sword-edge blade design for enhanced stability of airflow input when static pressure varies;
- Balance grade up to G2.5 (AMCA 204);
- Three-speed adjustment, allowing users to select different airflow volumes according to needs;
- Innovative box design, compact in structure, aesthetically pleasing, and lightweight.

Circular Centrifugal Fan

OCD

Product Name: OCD

- Airflow Range: 0—1,750m³/h
- Static Pressure Range: 40—700Pa
- Drive Configuration: Direct drive
- Installation Type: Duct-mounted
- Applications: Low air volume ducted supply and exhaust and ventilation in offices

Product Features:

- Compact in size yet delivers high pressure;
- Round duct configuration for both inlet and outlet: exceptionally easy to install.
- Galvanized steel housing, ensuring high strength;
- Efficient operation with low noise levels;
- Built with high-reliability design, ensuring long service life.

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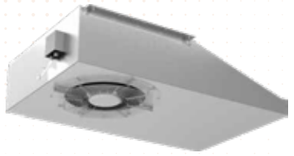
Induced Jet Fan



YFPIJ

Product Name: YFPIJ

- Airflow Range: 467—11,000m³/h
- Throw Distance: 51—84m
- Thrust Range: 27—97N
- Dual Purposes: General ventilation and smoke Removal
- Operating Temperature:: General Ventilation: -20°C—55°C Smoke Removal: 200°C/120min, 250°C/120min, 300°C/60min
- Drive Configuration: Direct drive
- Installation Types: Ceiling mounted, ceiling-hung
- Application: Induced ventilation, particularly suitable for large enclosed spaces like underground parking garages that lack natural ventilation.
- TÜV SÜD certified for continuous operation for 60 minutes at 300°C

Product Features:

- Steel backward curved centrifugal wheel that boasts high efficiency, large airflow, long throw distance, and low noise;
- Stable structure with no vulnerable parts, ensuring easy maintenance;
- Compact structural design with a low overall height, making it especially fitting for underground car parks with low ceiling heights;

Induced Fan

PIV

Product Name: PIV

- Airflow Range: 980– 1,380m³/h
- Throw Distance: 15–18m
- Outlet Velocity: 17–24m/s
- Operating Temperature: 20—80 °C
- Nozzle Types: Tube nozzle/Adjustable swivel ball joint nozzle
- Drive Configuration: Direct drive
- Installation Types: Ceiling mounted, ceiling-hung
- Applications: Induced ventilation, particularly suitable for large enclosedspaces

Product Features:

- Induced air movement, achieving high efficiency and energy conservation;
- Compact and lightweight, saving space;
- Flexible metal nozzle, allowing for adjustable airflow direction;
- Optional smart induction features: zoning interlinkage, energy-efficiency and reliability;
- Easy installation, requiring no ductwork and reducing investment costs.

Jet Fan

YFPIM

Product Name: YFPIM

- Airflow: Up to 5,000 m³/h
- Outlet Velocity: Up to 17m/s
- Thrust: Up to 28N
- Nozzle Type: Cone type nozzle
- Drive Configuration: Direct drive
- Installation Type: Ceiling-hung
- Applications: Induced ventilation, particularly suitable for large enclosed spaces like underground parking garages that lack natural ventilation.

Product Features:

- Cast aluminum airfoil axial impeller, offering high efficiency and long throw distance;
- Silencers fitted at both inlet and outlet for extremely low sound level;
- Aesthetically pleasing, small-size, light-weight and space-saving;
- Easy installation with mounting brackets supplied and mounting angles adjustable, requiring no ductwork and reducing investment costs.

Multipurpose Centrifugal Fan

CUS

Product Name: CUS

- Airflow Range: 500—56,000m³/h
- Static Pressure Range: 136—1,400Pa
- Drive Configuration: Direct/Belt drive
- Installation Types: Base-mounted, ceiling-hung
- Applications: Ducted air supply and exh

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency and overload prevention;
- Continuous steel welding for high strength and leak proof;
- Balance grade up to G2.5 (AMCA 204);
- Compact structure, significantly saving costly machine room space;
- Integral motor rain shield, suitable for outdoor installations;
- Multiple drive methods, offering more flexible selection and configuration;
- Certified by AMCA for sound, aerodynamic performance, and energy efficiency

Forward-Curved DWDI Centrifugal Fan

YFFCDT

Product Name: YFFCDT

- Airflow Range: 1,000—30,000m³/h
- Static Pressure Range: 90—800Pa
- Drive Configuration: Belt drive
- Application: Central air conditioning units and other HVAC, purification and ventilation systems

Product Features:

- Forward-curved multi-blade steel centrifugal wheel, delivering high airflow with low noise;
- High energy efficiency rating, ensuring greater energy savings;
- Scroll fabricated with "Pittsburgh" lock seaming technique for airtightness;
- Wheel balance grade up to G2.5 (AMCA 204);
- Certified by AMCA for sound, aerodynamic performance, and energy efficiency

Forward-Curved DWDI Centrifugal Fan

YFFCDH

Product Name: YFFCDH

- Airflow Range: 1,000—120,000m³/h
- Static Pressure Range: 100—1,400Pa
- Drive Configuration: Belt drive
- Application: Central air conditioning units and other HV

Product Features:

- Forward-curved multi-blade steel centrifugal fan, delivering high airflow with low noise;
- High energy efficiency rating, ensuring greater energy savings;
- Scroll fabricated with "Pittsburgh" lock seaming technique for airtightness;
- Wheel balance grade up to G2.5 (AMCA 204);
- Certified by AMCA for sound, aerodynamic performance, and energy efficiency

Backward-Inclined DWDI Centrifugal Fan

YFBCDH

Product Name: YFBCDH

- Airflow Range: 1,000—135,000m³/h
- Static Pressure Range: 100—2,500Pa
- Drive Configuration: Belt drive
- Application: Central air conditioning units and other HVAC, purification and ventilation systems

Product Features:

- Backward-inclined steel centrifugal wheel, offering high efficiency and increased energy savings;
- Power characteristics of the backward-inclined wheel for overload prevention;
- Scroll fabricated with "Pittsburgh" lock seaming technique for airtightness;
- Wheel balance grade up to G2.5 (AMCA 204);
- Certified by AMCA for sound and aerodynamic performance efficiency.

YFIMF
Xi'an Vanke Xindi City 2006.10

YFISQ
BASF Nanjing 2012.09

IAS
Fudan University National University Science Park 2006.04

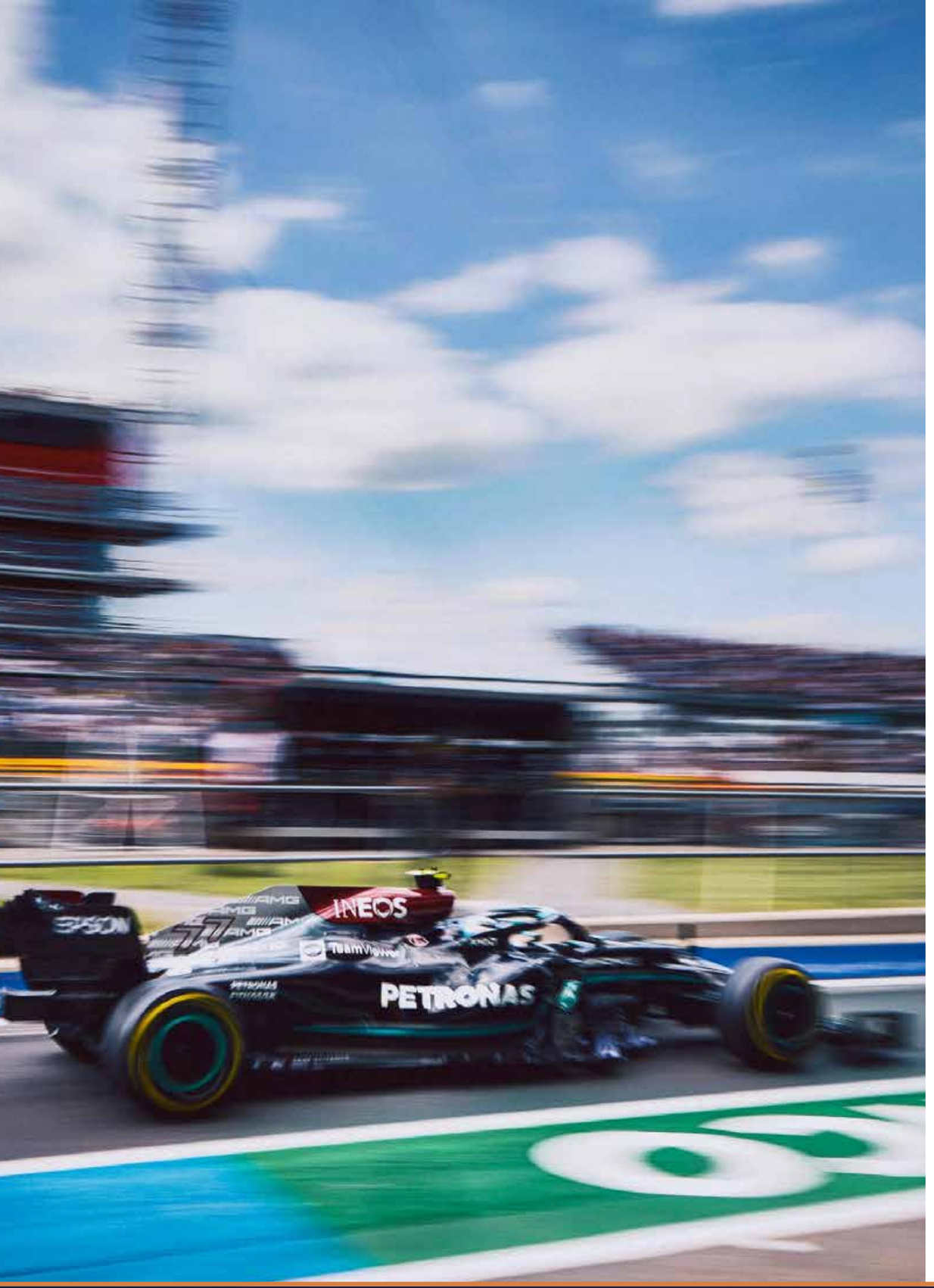
YFICK
Dongjing International 2008.03

YFIAD
Jiangsu Changchai Co., Ltd. 2007.06

YFIMF
Jiangsu Jinling Hotel 2012.08

OCD
Bekaert Engineering Center 2010.11

PIV
Siping Technology 2005.11



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Airfoil Duct Axial Fan

RTC

Product Name: RTC

- Airflow Range: 300—52,000m³/h
- Static Pressure Range:100—700Pa
- Drive Configuration: Direct/Belt drive
- Installation Type: Rooftop curb-mounted
- Applications: Rooftop general air exhaust, explosion-proof air exhaust, smoke removal
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency, low noise and overload prevention;
- All-aluminum construction for light weight and high strength;
- Balance grade up to G2.5 (AMCA 204);
- Patented active cooling technology, extending motor lifespan;
- Aesthetically designed exterior to complement modern architectural designs;
- Certified by AMCA for sound and aerodynamic performance efficiency.

Rooftop Upblast Centrifugal Exhaust Fan

YFRUC

Product Name: YFRUC

- Airflow Range:300—52,000m³/h
- Static Pressure Range:100—700Pa
- Drive Configuration: Direct/Belt drive
- Installation Type: Rooftop curb-mounted
- Applications: Polluted gas emission, oil fume exhaust, explosion-proof ventilation, high-resistance system exhaust,and more.

Product Features:

- Upblast air exhaust, resulting in lower system resistance;
- Automatic separation and collection of liquid contaminants, maintaining roof cleanliness;
- Balance grade up to G2.5 (AMCA 204);
- Independent motor chamber with active cooling technology, prolonging service life;
- Constructed from high-strength aluminum alloy, resilient against harsh natural environments.

Centrifugal Roof Supply Fan

YFRSC

Product Name: YFRSC

- Airflow Range:600—45,000m³/h
- Static Pressure Range:32—1,200Pa
- Drive Configuration: Direct/Belt drive
- Installation Type: Rooftop curb-mounted
- Applications: Rooftop air supply, centralized ducted air supply, filtered air supply.

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency and overload prevention;
- Bottom-to-top air intake ensuring water is completely prevented from being drawn into the air supply;
- High static pressure, compatible with duct connections, operation at lower speeds for the same pressure level, resulting in even lower noise;
- Balance grade up to G2.5 (AMCA 204);
- Patented streamlined hood for resistance to strong winds, combining novelty with practicality.

Axial Roof Mounted Fan

YFRTX

Product Name: YFRTX

- Airflow Range:10—152,000m³/h
- Static Pressure Range:0—700Pa
- Drive configuration: Direct drive
- Installation Type: Rooftop curb-mounted
- Applications: Rooftop general air exhaust, explosion-proof air exhaust, smoke removal

Product Features:

- The "Soar™" series propeller-type axial impeller, delivering high airflow and low noise levels;
- Variable blade angles, offering more precise selection;
- Balance grade up to G2.5 (AMCA 204);
- Equipped as standard with a safety net for greater reliability;
- Direct drive mechanism, high efficiency and no maintenance;
- Patented streamlined hood for resistance to strong winds, combining novelty with practicality.

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TEKSOL GROUP SOLUTIONS

Rooftop Upblast Airfoil Axial Fan

YFRUD

Product Name:YFRUD

- Airflow Range:1,000—100,000m³/h
- Static Pressure Range:50—1,200Pa
- Drive Configuration: Direct drive
- Installation Type: Rooftop curb-mounted
- Applications: Polluted gas emission, roof air exhaust, smoke removal, high-resistance system exhaust, and more

Product Features:

- “Sailfish™" series cast aluminum airfoil axial impeller, featuring high efficiency;
- Variable blade angles, offering more precise selection;
- Upblast air exhaust, resulting in lower system resistance;
- Balance grade up to G2.5, minimizing noise and vibration;
- Epoxy resin electrostatic spray-painted housing, ensuring corrosion and rust resistance;
- Direct drive mechanism without wear-prone components, requiring no maintenance;

Sidewall Axial Exhaust Fan

YFWEX / YFWSP

Product Name:YFWEX/YFWSP

- Airflow Range:400—29,000m³/h
- Static Pressure Range:40—300Pa
- Drive Configuration: Direct drive
- Installation Type: Sidewall-mounted
- Applications: Sidewall air supply and exhaust, explosion proof air supply and exhaust。

Product Features:

- Applications: Sidewall air supply and exhaust, explosion proof air supply and exhaust
- Square casing design, highly conducive to wall mounting;
- Balance grade up to G2.5 (AMCA 204);
- Direct drive mechanism without wear-prone components, requiring no maintenance;
- Comprehensive and practical accessories, demonstrating thoughtful consideration in design.

Inline Square Centrifugal Fan

ISQ/YFISQ-D

Product Name:ISQ/YFISQ-D

- Airflow Range:600—66,000m³/h
- Static Pressure Range:100—2,100Pa
- Drive Configuration: Direct/Belt drive
- Installation Types: Base-mounted, ceiling-hung
- Applications: Ducted air supply and exhaust, filtered air supply and exhaust, sound-proof fan box, smoke removal, explosion-proof air supply and exhaust
- TÜV SÜD certified for continuous operation for 120 minutes at 300°C

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency and overload prevention;
- Precision inlet cone for minimized turbulence and reduced noise;
- Square structure without scroll, compact in size, lightweight, and easy to install;
- Wheel balance grade up to G2.5 (AMCA 204);
- Certified by AMCA for sound and aerodynamic performance efficiency.

Inline Square Centrifugal Filter Unit

YFISF

Product Name:YFISF

- Airflow Range: 600—19,000m³/h
- Static Pressure Range: 100–1,300Pa
- Drive Configuration: Belt drive
- Installation Types: Base-mounted, ceiling-hung
- Applications: Filtered air supply and exhaust, widely used in electronic, pharmaceutical, laboratory, and other filtration-required environments.

Product Features:

- "Wind-Surfer™" fifth generation backward inclined centrifugal wheel, featuring high efficiency and low noise;
- Square structure without scroll, compact in size, lightweight, and easy to install;
- Side-access filter replacement, facilitating convenient maintenance;
- Wheel balance grade up to G2.5 (AMCA 204);
- Precision double-curved inlet c

Louvered Penthouse Gravity Ventilator

VLR

Product Name:VLR

- Airflow Range:324—98,820m³/h

Product Features:

- Four-sided air intake and exhaust: Compact size, large ventilation area, least affected by wind direction;
- Multi-level rainwater blocking gutters on louver blades to prevent rainwater ingress into the interior;
- Internally lined with galvanized steel mesh to stop foreign objects from entering;
- Sophisticated appearance, enhancing the modern feel of buildings;
- Internal drainage channels within the curb for prompt removal of accumulated water.

Hooded Modular Gravity Ventilator

VHR

Product Name:VHR

- Airflow Range:2,160—237,362m³/h

Product Features:

- automatically reduced wind and snow load;
- Multiple reinforcement structures for resistance to high winds in inland and coastal areas;
- Continuous installation capability, replacing ventilation ridges for high-volume air supply and exhaust;
- Galvanized steel for on-site assembly for reduced roof load and saving hoisting costs;
- Filter screens optional for better air quality.

Spun Gravity Ventilator

VDR

Product Name:VDR

- Airflow Range:279—15,682m³/h

Product Features:

- Circular hood with four-side air intake, ensuring smooth ventilation;
- Double-curved inlet cone for reduced resistance;
- Equipped with bird guard net to prevent foreign objects from entering indoors;
- Compact and lightweight, extremely easy to install;
- Surface treated with electrostatic epoxy coating, ensuring no rust for 10 years;
- Waterproof structural design for all-weather use

Roof Turbine Gravity Ventilator

VTR

Product Name:VTR

- Airflow Range:256—6,113m³/h

Product Features:

- Movement with the wind for increased dynamic feeling of the building;
- Hood balance, making possible rapid rotation even under 2m/s wind speed;
- Rationally designed blades to ensure smooth exhaust and water resistance;
- Lubrication-free, low-friction, high-efficiency bearings for L10 life of 80,000 hours;
- Stainless steel blade for elegant overall appearance;
- Adjustable hood angles suitable for different roof slopes.

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RTC
Continental AG

RTC
Luoyang Huigong Bearing, Henan

RTC
JAC Motors

RTC
Wanli Tyres

RTC
Famei High-Tech Gases

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RTC
Changchun Xingyu Automotive Lighting

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RTC
Changan Automobile

YFRTX
Hefei Meiling Refrigerators

Municipal Series Applications

- Metro Line and Platform Ventilation
- Long and Deep Tunnel Ventilation
- Underground Utility Tunnel Ventilation
- Multilevel Transportation Hub Ventilation System

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Metro Fan-Vane Axial Type

YFMRT / YFMRT(R)

Product Name: YFMRT/YFMRT(R)

- Airflow Range:8,000—980,000m³/h
- Static Pressure Range:200—2,350Pa
- Drive Configuration: Direct drive
- Installation Types: Horizontal/Vertical
- Applications: Metro, tunnels, construction projects, dams, etc.

Product Features:

- Advanced airfoil blade design for high efficiency;
- Patented anti-surge design for enhanced safety;
- Unidirectional or bidirectional reversible design for increased application versatility;
- Balance grade up to G2 (AMCA 204);
- Direct drive for high efficiency and maintenance-free operation;
- Surface treated with hot-dip galvanization or coating for corrosion and rust protection.

Metro Tunnel Jet Fans

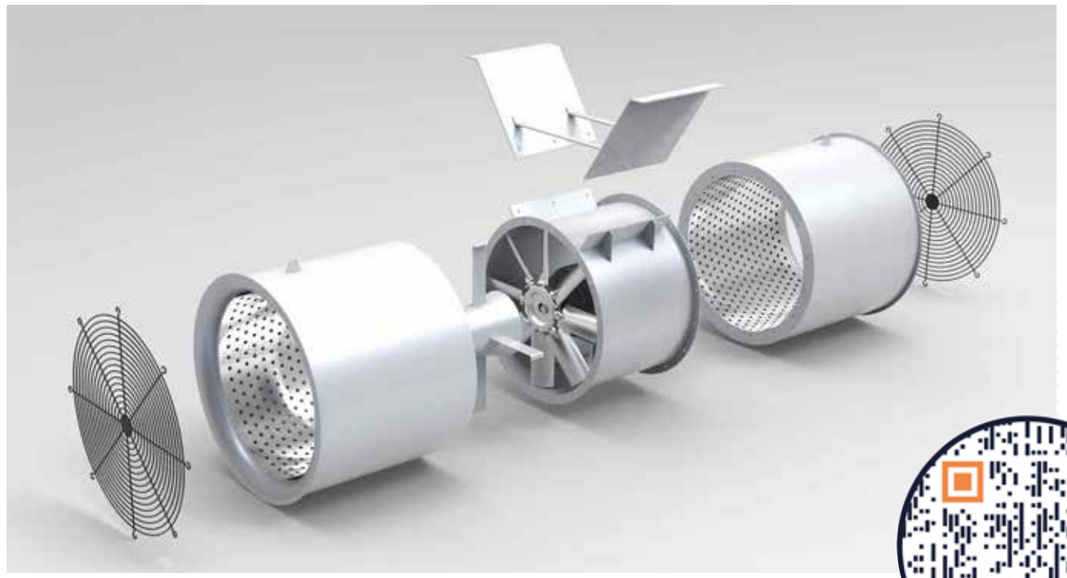
YFTNV / YFTNV(R)

Product Name: YFTNV/YFTNV(R)

- Airflow Range:4.2—52.3m³/s
- Static Pressure Range:101—3,500Pa
- Drive Configuration: Direct drive
- Installation Types: Sidewall-mounted, ceiling-hung
- Applications: Mainly used in tunnels, including metro tunnels, road tunnels, railway tunnels and underground car parks.

Product Features:

- Advanced airfoil blade design for high efficiency and low noise;
- Repetitively validated through FEA (Finite Element Analysis), ensuring heightened reliability;
- Unidirectional or bidirectional reversible design for increased application versatility;
- Balance grade up to G2.5 (AMCA 204);
- Optional 1D or 2D silencers available for low noise



Green Space Series Applications

- Energy-saving Drying
- Rapid Cold Air Preheating for Process Use
- VOC/Corrosive Exhaust Gas Treatment
- Large Space Fresh Air Handling and Heating
- Pandemic-ready Filtered Exhaust Ventilation

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Direct-fired Gas Heating Make-up Air Unit

UAH-DG
UAH-DC

Product Name: Direct-fired Gas Heating Make-up Air Unit (Heating only)UAH-DG/UAH-DC (Cooling & Heating)

- Applications: Large-scale industrial plant heating, extensive painting lines, and preheating of industrial low-temperature cold air.
- Maximum Heating Capacity: 1,240kW
- Installation Methods: Machine room/ Outdoor/Rooftop

Product Features:

- Thermal efficiency reaching up to 95%, 25% more efficient than steam boilers for energy conservation and environmental protection;
- CO content in combustion products less than 5 PPM, significantly lower than the international standard of 50 PPM, ensuring safety and reliability;
- Substantial heating capacity, rapid warm-up, and high temperature rise;
- Easy maintenance, requiring no staff on duty;
- Shut off during idle periods, reducing operating costs.
- Lower initial investment and more user-friendly<8738> compared to traditional boiler.

Indirect-fired Gas Heating Make-up Air Unit

UAH-IM
UAH-IS

Product Name:UAH-IM (Modular Type)/UAH-IS (Single-stage Burner) Indirect Fired Gas Heating Air Handling Units

- Applications: Specifically designed for large-scale industrial factory heating, extensive painting lines, and industrial preheating of low-temperature cold air where there is a requirement to isolate and dynamically exhaust waste gases.
- Maximum Heating Capacity: 200kW
- Installation Methods: Machine room /Outdoor/Rooftop

Product Features:

- Small initial investment with lower capital expenditure compared to traditional boiler rooms;
- Recirculated air utilized for low energy consumption and fuel savings;
- Thermal efficiency reaching up to 82%, 12% more efficient than steam boilers;
- Dynamically exhausted combustion byproducts for consistently fresh supply air;
- High reliability enabling instant start-stop operation with rapid reheating, avoiding downtime losses;
- Simple maintenance and low operating costs.

Pandemic-ready Filtered Exhaust Ventilation

UAH-NE

Product Name:Combined Normal and Epidemic Response Filtration Exhaust Unit

- Applications: For general exhaust, filtered exhaust, and other purposes in normal and pandemic-ready hospitals, research institutions, and biological laboratories.
- Airflow Range: 3,400–28,000 m^3/h

Product Features:

- High-efficiency centrifugal fan without scroll, offering high efficiency and low noise;
- Direct drive mechanism without wear-prone components, requiring no maintenance;
- Dual-channel switching between normal days and pandemic modes with a one-key operation, providing convenience and safety;
- Equipped with a fixed-frequency motor to reduce initial investment;
- Optional EC intelligent fan available, featuring a compact structure and further energy savings.

Gas Heating Make-up Air Unit

UAH-DM

Product Name:Dust Collecting Make-up Air Unit - UAH-DM

- Applications: For fresh air exchange, air filtration, heat recovery, and other air treatment scenarios in various industrial and public buildings.
- Airflow Range: 2,000-20,000m^3/h

Product Features:

- Air filtration efficiency up to 95%
- A broad airflow range for both industrial and public building applications;
- Equipped with AMCA-certified internal fans for high efficiency and low noise;
- Low-resistance filters for additional energy savings and reduced operating costs;
- Removable filter units for easy maintenance;
- Outstanding overall economy with a swift return on investment.

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Beijing Hyundai Motor Company


Westech Robert (Suzhou)


Essex (Suzhou)


Qingdao Offshore Oil Engineering


Guangzhou Baiyun International Airport


Yancheng Kia Motors


Sealed Air (Shanghai) Packaging

www.teksolgroupsolutions.com - sales.intl@teksolgroupsolutions.com - +1 (954) 471-0911

Stratosphere Series Applications

- Control Airflow Volume
- Alter Airflow Direction
- Enhance Airflow Organization
- Fire Smoke Exhaust and Fire Prevention

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Fire Damper

Product Name:FHF

- Applications: Installed in the ductwork of mechanical smoke extraction systems, normally open. In the event of a fire, when the temperature in the duct reaches 280°C, it closes while maintaining smoke leakage and fire resistance integrity, thereby serving as a barrier against smoke and fire.

Product Features:

- Low leakage rates with excellent sealing performance;
- Smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service life;
- Fire resistance endurance of at least 1.5 hours.

Smoke Exhaust Fire Damper

Product Name:PFHF

- pplications: Installed in the supply or return air ducts of ventilation and air conditioning systems, normally open. In the event of a fire, when the temperature in the duct reaches 70°C, it closes while maintaining smoke leakage and fire resistance integrity, thereby serving as a barrier against smoke and fire.

Product Features:

- Low leakage rates with excellent sealing performance;
- Smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service life;
- Fire resistance endurance of at least 1.5 hours.

Smoke Exhaust Valve

Product Name:PYF

- Applications: Installed at the ends of each branch duct in mechanical smoke extraction systems (at the smoke intake points), normally remaining closed while meeting the required air leakage specifications. In the event of a fire or when smoke extraction is necessary, it opens to facilitate smoke evacuation, functioning as a vital component in the smoke extraction process.

Product Features:

- Low leakage rates with excellent sealing performance;
- Smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service life.

Circular Butterfly Valve

Product Name:PDF/MDF

- Applications: Designed for controlling air velocity and adjusting airflow, the damper has easy operation and flexible structure for direct installation onto ductwork.

Product Features:

- Low leakage rates with excellent sealing performance;
- Smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service life;

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Air Damper with Opposed Blade Construction

Product Name: PKF/MKF

- Applications: Installed on the ductwork of ventilation and air conditioning systems, the damper serves to regulate and adjust the airflow.

Product Features:

- Low leakage rates with excellent sealing performance;
- Smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service life.

Check Air Valve

Product Name: ZHF

- Applications: Installed on the ductwork of ventilation to prevent reverse airflow when the fan stops operating

Product Features:

- Multi-blade linkage,smooth and effortless operation, ensuring no jamming occurs;
- Robust construction with strong corrosion resistance and prolonged service;
- Available in gravity-operated and counterweight (balance block) designs, enhancing versatility for a wide range of applications.

Electric Combination Air Duct Valve

Product Name: DZ

- Applications: Specifically designed for use in metro station piston ventilation and mechanical ventilation systems, the damper facilitates the ventilation system transition through electrically controlled opening and closing operations.

Product Features:

- Low leakage rates with excellent sealing performance;
- Linkage-driven mechanism for smooth and reliable opening and closing actions.
- User-friendly installation and disassembly processes, coupled with versatile configuration options;
- Robust construction with strong corrosion resistance and prolonged service life.

Louvre Ventilation Outlet

Product Name: Louvered Air Vent

- Applications: Installed at the terminal sections of a building, typically the top or side areas, for supplying or returning air.

Product Features:

- Various designs for flexible applications;
- Stylish appearance and aesthetic appeal.

New Projects we have Transformed with INFINAIR Ventilation Solutions

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TEKSOL GROUP SOLUTIONS

- AMCA Certified
- TUV Certified
- CE Certified
- Explosion proof fan
- CNEX Certified
- CCCF Certified
- EG Certified

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