

Delivery Premium Quality Fans Globally for Healthier Breathing

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



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LONGWELL TECHNOLOGY

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



Professional Manufacturer
of HVACR Fan & Motors

— Poultry Ventilation Fans

Longwell Group

Longwell-China

Longwell-USA

Longwell-Russia

Longwell-Europe



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Drum Fan Series



About Longwell

Born for High-Quality Breathing, LONGWELL Fans Power Your Equipment

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.



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

1Million⁺PCS

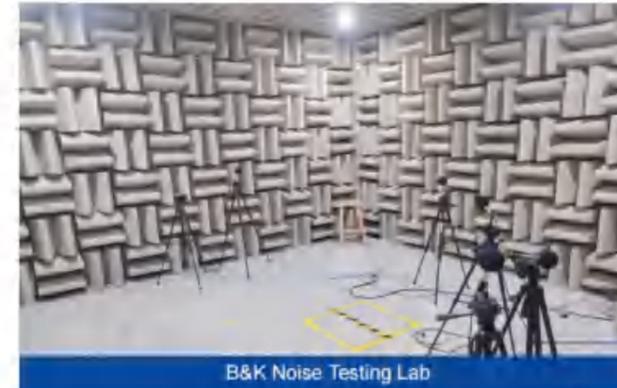
Annual Outputs

6

Overseas offices on spot support

50⁺

Members R&D Team



B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



Production Line

Testing and Standards

- ISO GB/T 19001-2016 idt ISO 9001:2015/GB/T 24001-2016 idt ISO 14001:2015/GB/T 45001-2020 idt ISO 45001:2018
- UL 507:2017 Ed.10+R:27/CSA C22.2#113:2018 Ed.11
- BSCI ANSI C63.4:2014/ANSI C63.4a-2017
- EN IEC 55014-1:2021/EN IEC 55014-2:2021/EN IEC 61000-3-2:2019 +A1:2021
EN 61000-3-3:2013 +A1:2019 +A2:2021 +AC:2022-01
EN 60335-2-80:2003 +A1:2004 +A2:2009;
EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019+A14:2019 +A2:2019+A15:2021
EN 62321-1:2013/EN 62321-2:2014/EN 62321-3-1:2014
EN 62321-4:2014+A1:2017/EN 62321-5:2014/EN 62321-6:2015
EN 62321-7-1:2015/EN 62321-7-2:2017/EN 62321-8:2017

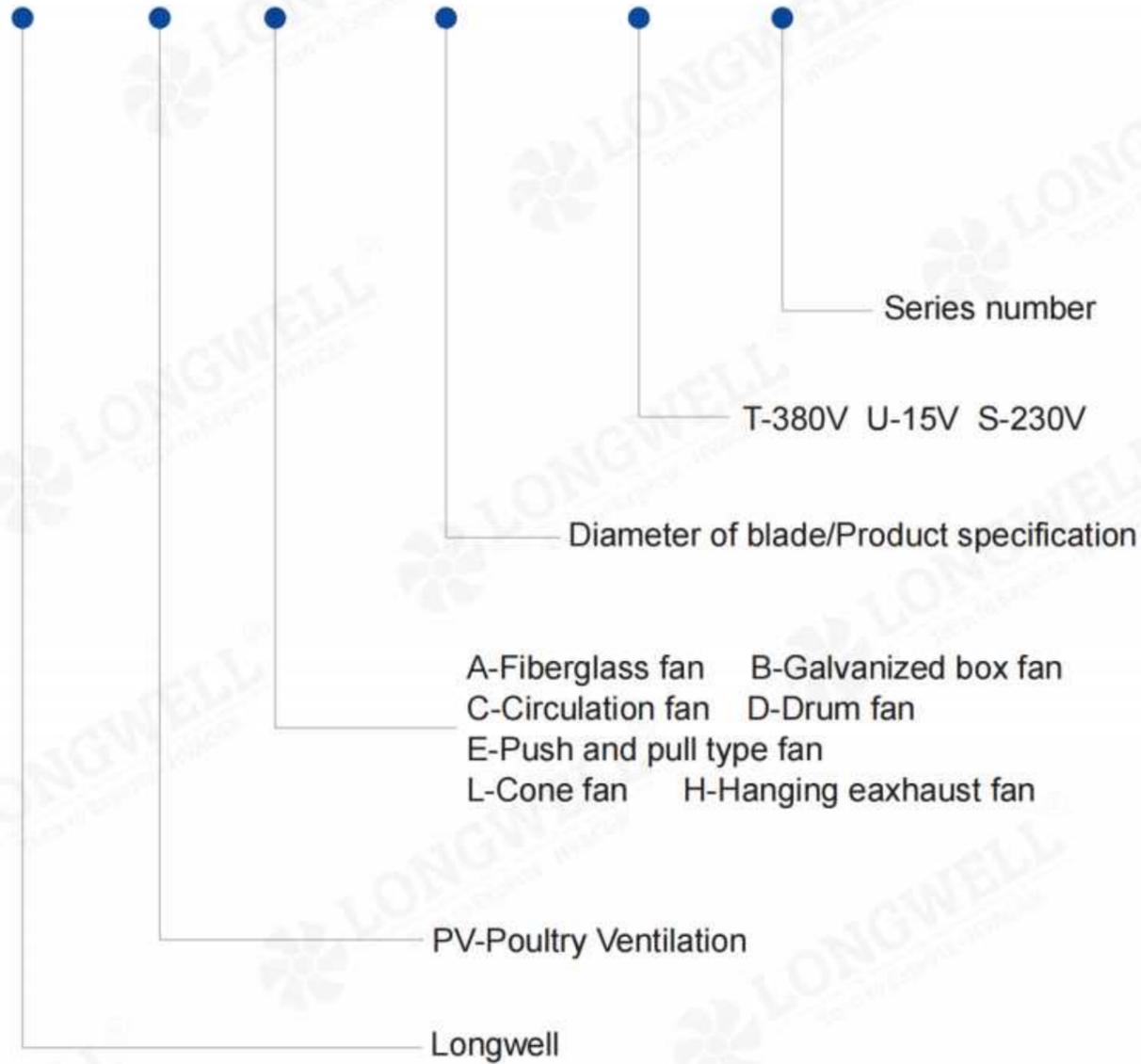


Enterprise Credit Evaluation Certificate - Highest Level in China



Type Code

LW PV A 455(18") S - 01



Poultry Ventilation Fans

Professional HVAC Fan & Motors Manufacturer



Push And Pull Type Fan (Push-pull type)

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVE-800T -01	800	800	450
LWPVE-1000T -01	1000	1000	450
LWPVE-1100T -01	1100	1100	450
LWPVE-1380T -01	1380	1380	450
LWPVE-1530T -01	1530	1530	450



Product Characteristic

High Class Fan is composed of a blade, motor, outer frame protecting nets and supporting frames and shutters. The shutters are opened by the Push-pull Centrifugal system. The major parts are made of galvanized steel sheets (180g/275g/m2 zinc coating) and stainless steel sheets. Based on sound aerodynamic principles, wind resistance is minimized and efficient airflow is achieved. All products are used in a wide range of settings, including various types of farms, greenhouses and factory buildings.



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m³/h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVE-800T -01	710(28")	650	1400	18000	60	≤70	370	380
LWPVE-1000T -01	910(36")	650	1400	26000	60	≤70	550	380
LWPVE-1100T -01	1000(40")	600	1400	33000	70	≤70	750	380
LWPVE-1380T -01	1270(50")	440	1400	43500	56	≤70	1100	380
LWPVE-1530T -01	1400(55")	420	1400	51000	56	≤75	1500	380

Push And Pull Type Fan (Hammer type)

Product Characteristic

Fans mainly consists of blade, motor, frame, protect net, bracing cage, shutters. The motor drives blade to cause air flow and louver window can open and close automatically to keep the dust from entering.



Mainly Applications



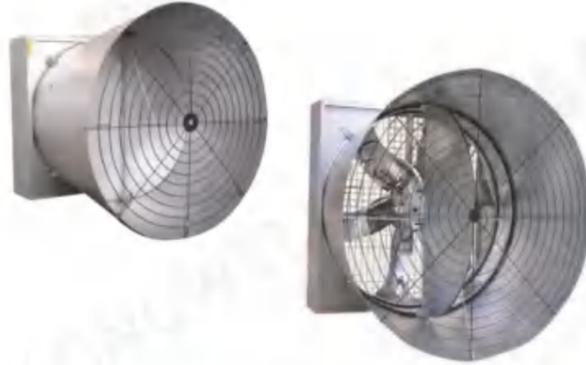
Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVE-600(24")T -01	600	600	370
LWPVE-800(29")T -02	800	800	400
LWPVE-900(30")T -01	900	900	400
LWPVE-1000(36")T -01	1000	1000	400
LWPVE-1100(40")T -02	1100	1100	400
LWPVE-1220(44")T -01	1220	1220	400
LWPVE-1380(50")T -01	1380	1380	400
LWPVE-1530(56")T -02	1530	1530	400

Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m³/h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVE-600(24")T -01	500	680	1400	6500	60	≤60	370	380
LWPVE-800(29")T -02	710	660	1400	22000	60	≤60	370	380
LWPVE-900(30")T -01	750	630	1400	28000	65	≤65	550	380
LWPVE-1000(36")T -01	900	610	1400	30000	70	≤70	550	380
LWPVE-1100(40")T -02	1000	600	1400	32500	70	≤70	750	380
LWPVE-1220(44")T -01	1100	460	1400	38000	73	≤70	1100	380
LWPVE-1380(50")T -01	1250	439	1400	44000	56	≤70	1100	380
LWPVE-1530(56")T -02	1400	325	1400	55800	60	≤70	1500	380

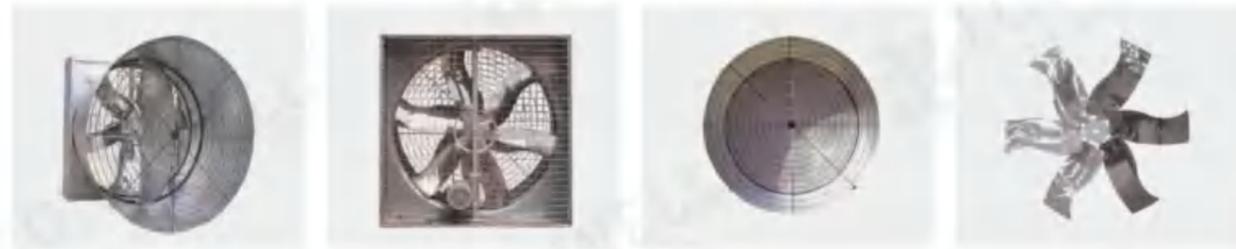
Butterfly Type Cone Fan

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVL-910T-01	1000	1000	1180
LWPVL-1270T-01	1380	1380	1300
LWPVL-1530T-01	1530	1530	1300



Product Characteristic

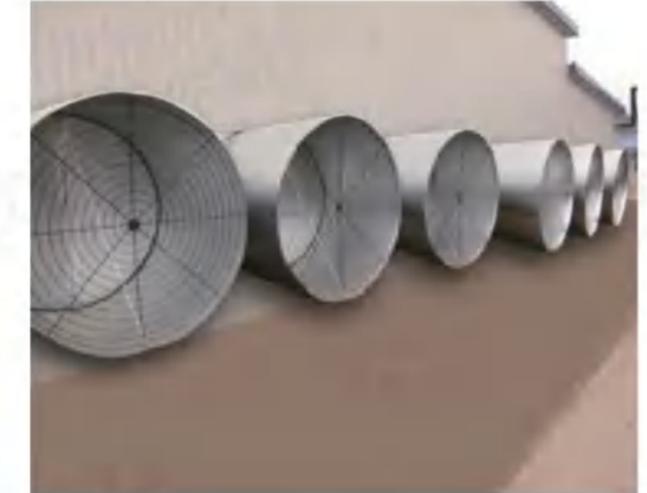
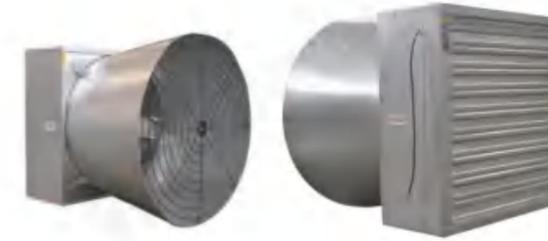
- Using an advanced front double door opening device, small wind resistance, good sealing, and high efficiency are provided. A lengthened one design helps improve exhaust power.
- Galvanized steel frame: made of 275g/m². Provides rust protection.
- Fan double doors are closed with the rubber sealing which effectively prevents air backflow when the fan is started at different times. This greatly improves the operating efficiency by 15-20%, as compared with a fan of the same power.
- Muhe's fan blades are especially designed for top grade efficiency, being made of Krupp stainless steel by punch forming. It moves a large volume of air and exhibits no deformation, breakage or dust. It is attractive and durable. Thickness: 1.2mm; surface finish: BA grade.



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m ³ /h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVL-910T-01	910	600	1400	31000	70	≤70	550	380
LWPVL-1270T-01	1270	439	1400	51000	80	≤70	1100	380
LWPVL-1530T-01	1400	439	1400	56000	80	≤72	1500	380

Shutter Cone Fan



Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVL-900T-01	1000	1000	1100
LWPVL-1000T-01	1100	1100	1100
LWPVL-1250T-01	1380	1380	1250

Product Characteristic

- Reasonable cone design: Allows for the concentration of air pressure and direction which results in bigger airflow. It is energy-efficient and exhibits a lower noise level.
- The frame is composed of hot galvanized steel made with advanced auto-machining techniques. The thickness of the galvanized layer is 275g/ m².
- Model 430BA: Each fan is composed of 6 stainless steel blades. A balance test is performed to ensure that weight is similar among the blades.

Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m ³ /h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVL-900T-01	900	600	1400	23000	65	≤65	550	380
LWPVL-1000T-01	1000	600	1400	32500	70	≤70	750	380
LWPVL-1250T-01	1250	439	1400	44000	80	≤70	1100	380

Frp Aluminum Blade Fan

Product Characteristic

- This fiberglass fan is suitable for pig and poultry farms with corrosive gases.
- The fiberglass shell is extremely strong, corrosion-resistant, non-deformable, and non-fading.
- The horn-shaped exhaust port is highly resistant to impact, increasing performance by 10%.
- The aluminum blade is designed with a serrated edge to effectively reduce noise and improving efficiency.
- High-quality imported bearings ensure smooth and efficient operation of the blades.
- It features a car-type belt tensioner that can be lubricated, and a high-quality and efficient motor (optional).



Cast aluminum blades



PA66+GF Blades



Belt-Driven system



Direct-Driven System



High efficiency Motor

Frp Cone Fan

Product Characteristic

Fiberglass fan is widely used in corrosive gas place like piggery farm, poultry farm

Specification:

- UV resistant fiberglass housing
- Fiberglass cone standard on all fans, can improve 10% efficiency
- Aluminum blade with sawtooth design, reduce the noise
- High quality imported pillow block bearings
- Automotive style belt tensioner
- Higher quality motor will be available



Belt-Driven system



Fan shutter



Direct-Driven System

Model	Voltage frequency/phase	Complete size LXHXW(mm)	Size with cone LXHXW(mm)
LWPVA-1460T(S) -01	380V/220V 50Hz/60Hz 3/1	1460×1460×500	1460×1460×1270
LWPVA-1260T(S) -01		1260×1260×560	1260×1260×1200
LWPVA-1060T(S) -01		1060×1060×560	1060×1060×1160
LWPVA-850T(S) -01		850×850×450	850×850×950
LWPVA-660T(S) -01		660×660×450	
LWPVA-560T(S) -01		560×560×450	

Technical Specifications

Model	Propeller Dia. [Mm/(Inch)]	Blades QTY	Propeller material	Rated speed(R/min)	Air capacity [m³/h/(CFM)]	Rated power (KW/HHP)	Noise [dB(A)]
LWPVA-1460T(S) -01	1250/(50")	6	Fiberglass	520	44000(26000)	1.1/1.5	60-70
LWPVA-1260T(S) -01	1080/(43")	6	Fiberglass	520	40000(23500)	0.75/1	60-70
LWPVA-1060T(S) -01	880/(36")	6	Fiberglass	520	28000(16600)	0.55/0.75	60-70
LWPVA-850T(S) -01	660/(25")	6	Fiberglass	700	13000(7700)	0.37/0.5	60-70
LWPVA-660T(S) -01	480/(19")	6	Fiberglass	950	10000(4100)	0.37/0.5	60-70
LWPVA-560T(S) -01	380/(15")	6	Fiberglass	950	8000(3000)	0.37/0.5	60-70

High Strength Wet Curtain

Product Characteristic

Corrugated paper special treatment, high structural strength, corrosion resistance, long service cycle; With excellent permeation and water absorption, which can ensure that water evenly through the whole wet curtain wall; The specific three-dimensional space structure provides the maximum evaporation surface area for the heat exchange between water and air Aluminum alloy & Galvanized Metal Frame optional.



Wet Curtain Frame



Galvanized Metal Frame

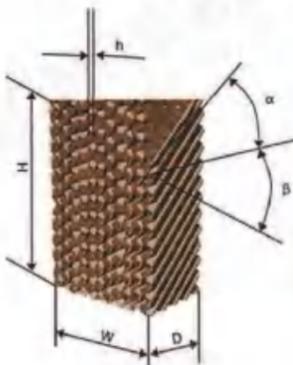


Stainless steel Frame



Cast aluminum Frame

Wet Curtain Specifications & Size



Model	7090	7060
H(mm)	1500.1800.2000	1500.1800.2000
W(mm)	900.600.300	900.600
D(mm)	100.150.200.300	100.150.200.300
h(mm)	7	5
α(°)	45	45
β(°)	45	45

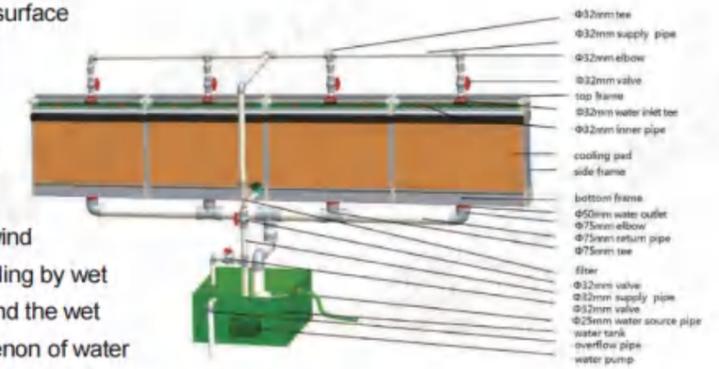


H:Height W:Width
D:Thickness h:Flute high
α:Across angle (1)
β: Across angle (2)

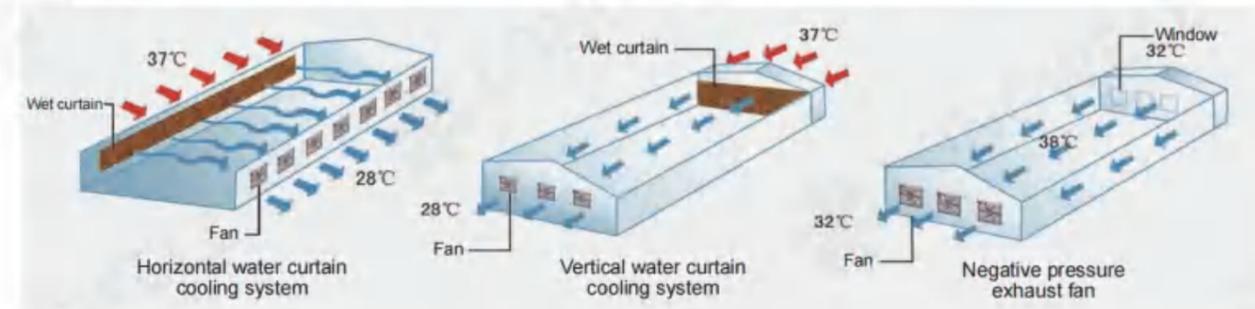
High Strength Wet Curtain

Product Characteristic

The wet curtain has a thin layer of water film on the surface of its corrugated fiber paper. When the hot and dry outdoor air is drawn through the paper pad by the fan, the water on the water film absorbs the heat in the air and evaporates into water vapor. In this way, the processed cool and moist air enters the indoor environment. This natural process is similar to the wind blowing over the water surface. The principle of cooling by wet curtain utilizes the effective combination of the fan and the wet curtain to artificially reproduce the physical phenomenon of water evaporation and cooling in nature, achieving the purpose of cooling.



Fan, Wet Curtain Ventilation Cooling Diagram



Mainly Applications



Hanging Exhaust Fan

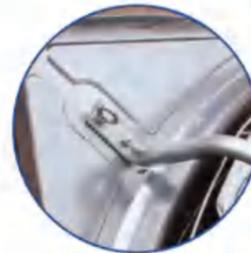


Product Characteristic



- The motor features an aluminum-magnesium alloy casing, offering excellent heat dissipation and high efficiency. It is compact in size, lightweight, and delivers high torque with low current consumption.

- The fan guide cover is made of thickened galvanized steel, plastic, or stainless steel, reflecting our commitment to ergonomic design and continuous improvement. Featuring an outward-flared edge for optimized airflow, it enhances ventilation while reducing fan vibration and noise, ensuring more stable operation.



Technical Specifications

Model	Diameter of blades(mm)	Rated voltage(V)	Pole	Frequency (Hz)	Input power(W)	Air flow (m³/h)
LWPHVH-1000T-01	1000	380	6	50	400	19800

Applications Examples



Hanging Exhaust Fan

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPHVH-750T-01	900	900	380
LWPHVH-900T-01	1000	1000	380
LWPHVH-1000T-02	1100	1100	380
LWPHVH-1100T-01	1220	1220	380



Product Characteristic



- Fan blades are adjusted by an intelligent dynamic-balance tester, ensuring the fan is smooth running and exhibits a lower vibration and noise level. It also increases its stability and service life.

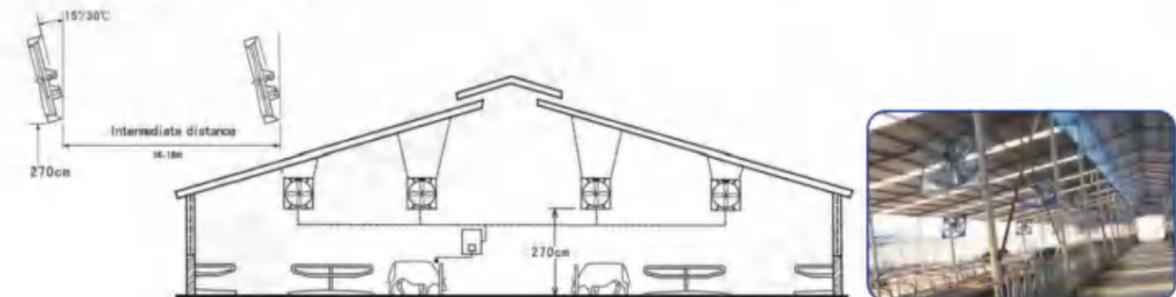


- Fan blade: made of stainless steel by punch forming. Mirror finish. Moves a large air volume and exhibits no deformation nor dust. Attractive and durable.



- Motors: Aluminum-Magnesium alloy housing, good heat emission, high efficiency, reasonable dimensions, light weight, low current, big torque.

Installation Diagram



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Transmission mode	Air flow (m³/h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPHVH-750T-01	750	620	Belt/Direct drive	22000	65	≤65	450	380
LWPHVH-900T-01	900	600	Belt/Direct drive	23000	70	≤70	550	380
LWPHVH-1000T-02	1000	600	Belt/Direct drive	32500	70	≤70	750	380
LWPHVH-1100T-01	1100	560	Belt/Direct drive	38000	73	≤70	750	380

The Wind Window Side Wall

Product Characteristic

Seal tight, side open installation, length can be customized. Adopt polyb, ABS, new material, three kinds of materials, can be made to order.



Air Inlet

Product Characteristic

Negative pressure automatic open window, open and close sensitive and convenient, automatic maintenance of indoor and outdoor pressure difference, and can make the outside light become soft, plate adopts domestic famous brand, good light transmittance and not easy to deformation; Rotating shaft adopts solid stainless steel aperture, opening and closing is stable and reliable; Pulling and opening parts can be added to control opening and closing by winch; Black counterweight block surface after 6 times of treatment, anti-corrosion, anti-rust; OEM Size available.



Ceiling Ventilation Window

Product Characteristic

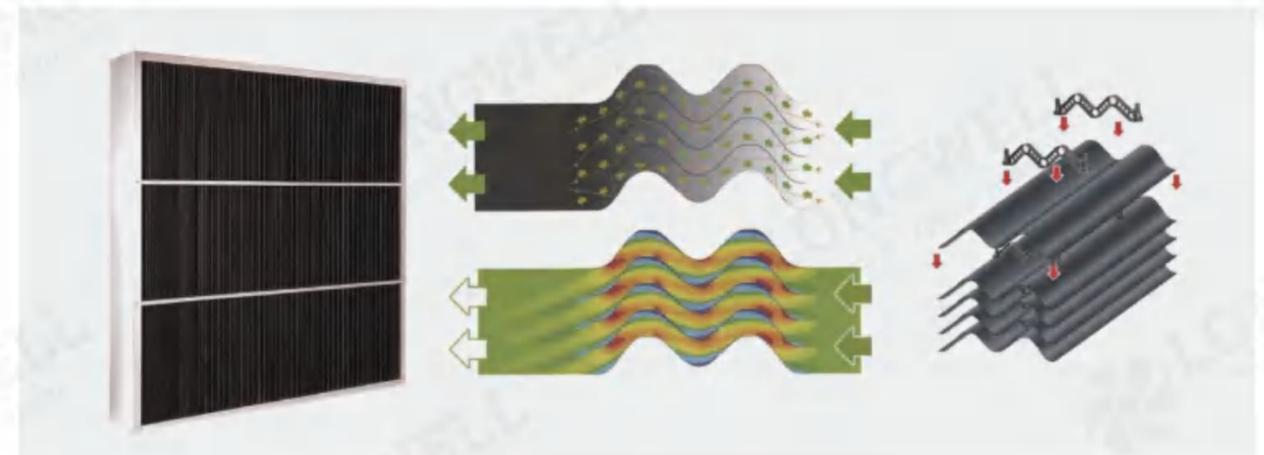
ABS engineering plastic and PVC plastic material processing and become, have double insulation effect, is the best choice of ventilation suction a top, corrosion resistance, anti-aging, deformation, tightly closed and open easily, length can be customized.



Poultry Light Filter

Product Characteristic

It is refined by injection molding and non glare PVC material. Durable resistance to sunlight, chemical resistance, high pressure cleaning; Reasonable design, can assemble different size, easy installation, efficient reduction of light; The outer frame is made of stainless steel frame and galvanized outer frame;



Circulation Fan

Product Characteristic

- Features the excellent "Haier" brand electronics.
- International advanced energy conservation technology tested.
- Light aluminum board punch press fan blazer: exhibits a wide angle, large air pressure and low noise.
- Outer covering is stainless steel. Steel spraying is also available.
- Equipped with beautiful and convenient button type hanging articles.
- Long service life: over 10 years.



Technical Specifications

Model	Diameter of blades(mm)	Air flow (m³/h)	Power (W)	Rated voltage(V)	Speed (RPM)	Frequency (Hz)
LWPVC-300T(S)-01	300	2880	150	220(380)	1400	50
LWPVC-400T(S)-01	400	4180	250	220(380)	1400	50
LWPVC-500T(S)-01	500	5300	250	220(380)	1400	50
LWPVC-600T(S)-01	600	6500	370	220(380)	1400	50

Mainly Applications



High-Vacuum Butterfly Damper Duct Fan

Product Characteristic

- Featuring an advanced front dual-door opening mechanism for low wind resistance, superior sealing, and high efficiency; an extended bell-mouth design enhances suction pressure.
- Both permanent magnet motors and high-efficiency motors are available as options. The permanent magnet motor achieves over 91% efficiency, while the high-efficiency motor exceeds 82.5%. Direct drive transmission ensures even higher efficiency, eliminating the need for belt tensioning and related maintenance.

- The fan features dual doors equipped with rubber sealing devices. When multiple fans operate with staggered starts based on environmental conditions, this design effectively prevents air backflow and significantly improves operational efficiency. Compared to fans of the same power rating, this system achieves 15-20% higher efficiency.
- The extended air intake (250-300mm height) of the zinc-aluminum-magnesium alloy collector (275g/m²) enhances the fan's air collection capacity and increases wind pressure.
- The fan blades consist of 3 PA material blades resistant to 250Pa pressure, having passed rigorous dynamic balance tests. The serrated blade design is more energy-efficient and noise-reducing.



Technical Specifications

Model	LWPVL-1448T-01	LWPVL-1300T-01	
Dimension	Overall dimensions(mm)	1530×1530×1100	1380×1380×1100
	Port size(mm)	1550×1550	1400×1400
Airflow(m³/h)	0Pa	66700	58900
	-25Pa	61000	53700
	-50Pa	56020	49200
	-75Pa	49700	43400
	-100Pa	43100	37500
Fan Housing	Material thickness/ Manufacturing process	2mm×275g Zn-al-mg coated steel sheet,high-strength drawn panel formed by single-step stamping	1.5mm×275g Zn-al-mg coated steel sheet,high-strength deep-drawn panel formed by single-step stamping
Airflow Collector	Material thickness/ Manufacturing process	1mm 275g Zn-al-mg coated steel,cold stamped	1.0mm 275g/m² Zn-al-mg coated steel,cold stamped
	Butterfly door circular component material	Fabrication of zn-al-mg coated square tubes	Fabrication of zn-al-mg coated square tubes
Fan Blade	Material	PA	PA
	Diameter	1448mm	1330mm
	Number of blades	3PCS	3PCS
Motor Electric Machine	Transliteration	Topfan	Topfan
	Rated voltage/Frequency	3-Phase/380V/50Hz	3-Phase/380V/50Hz
	Rated power	2.2kW-10 IE3 High efficiency motor	1.5kW-8 IE3 High efficiency motor
Direct Drive	Rated current	5.4A/4.7A	4.8A/4.1A
	Belt/Direct drive	Direct drive	Direct drive
Fixed Bracket	Form/Material	275g/m² Zn-al-mg coating	275g/m² Zn-al-mg coating
	Type	Mechanical type	Mechanical type
Butterfly Door	Standard parts	304SS	304SS
	Material	1mm thick,275g zinc-aluminum-magnesium	1mm thick,275g zinc-aluminum-magnesium
Safety Net	Material and surface treatment	Hot-dip galvanizing+Powder coating	Hot-dip galvanizing+Powder coating
Standard Parts	Material	304SS	304SS
	Type	Self-locking screw	Self-locking screw

High-Vacuum Louver Damper Duct Fan

Product Characteristic

The innovative and optimized bell-mouth design, combined with precisely calibrated blade clearances, effectively concentrates airflow and directs wind paths, resulting in significantly enhanced static pressure and increased air velocity.

The frame is precision-engineered using advanced automated equipment for high dimensional accuracy, superior structural integrity, and ease of assembly. The construction utilizes Zn-Al-Mg alloy steel sheet with a 275g/m² coating weight.

The fan assembly features three polyamide (PA) blades with a 250Pa pressure rating, having passed rigorous dynamic balancing tests. The patented serrated blade design delivers enhanced energy efficiency and superior noise reduction.

The collector is constructed with Zn-Al-Mg alloy sheet (275g/m² coating) and features an extended air intake design (250-300mm height), significantly enhancing the fan's air-collecting efficiency and static pressure performance.



Technical Specifications

Model		LWPVL-1448T-02	LWPVL-1300T-02
Dimension	Overall dimensions(mm)	1530×1530×1100	1380×1380×1100
	Port size(mm)	1550×1550	1400×1400
	0Pa	66700	58900
Airflow(m ³ /h)	-25Pa	61000	53700
	-50Pa	56020	49200
	-75Pa	49700	43400
	-100Pa	43100	37500
Fan Housing	Material thickness/ Manufacturing process	2mm×275g Zn-al-mg coated steel sheet,high-strength drawn panel formed by single-step stamping	1.5mm×275g Zn-al-mg coated steel sheet,high-strength deep-drawn panel formed by single-step stamping
Airflow Collector	Material thickness/ Manufacturing process	1mm 275g Zn-al-mg coated steel,cold stamped	1.0mm 275g/m ² Zn-al-mg coated steel,cold stamped
	Butterfly door circular component material	Fabrication of zn-al-mg coated square tubes	Fabrication of zn-al-mg coated square tubes
Fan Blade	Material	PA	PA
	Diameter	1448mm	1330mm
	Number of blades	3PCS	3PCS

	Transliteration	Topfan	Topfan
Motor Electric Machine	Rated voltage/Frequency	3-Phase/380V/50Hz	3-Phase/380V/50Hz
	Rated power	2.2kW-10 IE3 High efficiency motor	1.5kW-8 IE3 High efficiency motor
	Rated current	5.4A/4.7A	4.8A/4.1A
Direct Drive	Belt/Direct drive	Direct drive	Direct drive
Fixed Bracket	Form/Material	275g/m ² Zn-al-mg coating	275g/m ² Zn-al-mg coating
	Type	Mechanical type	Mechanical type
Butterfly Door	Standard parts	304SS	304SS
	Material	1mm thick,275g zinc-aluminum-magnesium	1mm thick,275g zinc-aluminum-magnesium
Safety Net	Material and surface treatment	Hot-dip galvanizing+Powder coating	Hot-dip galvanizing+Powder coating
Standard Parts	Material	304SS	304SS
	Type	Self-locking screw	Self-locking screw

Push-pull Type Fan

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVE-900T-02	1000	1000	450
LWPVE-1000T-03	1100	1100	450
LWPVE-1295T-03	1380	1380	450
LWPVE-1370T-02	1530	1530	450



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m ³ /h)	Total pressure (Pa)	Noise (dB(A))	Input power(W)	Rated voltage(V)
LWPVE-900T-02	900	650	1400	28000	60	≤70	750	380
LWPVE-1000T-03	1000	600	1400	35000	70	≤70	750	380
LWPVE-1295T-03	1295	440	1400	44000	56	≤70	1100	380
LWPVE-1370T-02	1370	420	1400	52000	56	≤75	1500	380

Permanent Magnet Push-pull Type Fan

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVE-900T-01	1000	1000	450
LWPVE-1000T-02	1100	1100	450
LWPVE-1295T-01	1380	1380	450
LWPVE-1370T-01	1530	1530	450
LWPVE-1445T-01	1530	1530	450



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Motor speed(RPM)	Air flow (m³/h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVE-900T-01	900	650	1400	28000	60	≤70	750	380
LWPVE-1000T-02	1000	600	1400	35000	70	≤70	750	380
LWPVE-1295T-01	1295	440	1400	44000	56	≤70	1100	380
LWPVE-1370T-01	1370	440	1400	52000	56	≤75	1500	380
LWPVE-1445T-01	1445	440	1400	59500	80	≤75	1500	380

High-Vacuum Push-pull Type Fan

Model	Height (mm)	Width (mm)	Thickness (mm)
LWPVE-915T-01	1000	1000	450
LWPVE-1295T-02	1380	1380	450
LWPVE-1450T-01	1530	1530	450



Technical Specifications

Model	Diameter of blades(mm)	Blades speed(RPM)	Air flow (m³/h)	Total pressure (Pa)	Noise [dB(A)]	Input power(W)	Rated voltage(V)
LWPVE-915T-01	915	720	28000	60	≤70	750	380
LWPVE-1295T-02	1295	700	56900	56	≤70	1500	380
LWPVE-1450T-01	1450	420	65500	56	≤75	2200	380

Fiberglass Fan Series

Professional HVAC Fan & Motors Manufacturer



Large Air Flow

Being optimized with fluid simulation design, the high-strength die-cast airfoil aluminum propeller provides large air flow to ensure adequate air circulation in the breeding house.

Low Noise

The smooth propeller shape and high dynamic balance accuracy makes tiny friction coefficient between the blade and air combined with small resonance during running, which ensures low noise and improves the living comfort for the animals.

Maintenance Free

Direct driving with high transmission efficiency and simple structure eliminates the trouble of regular belt replacement and reduces the using cost.

High Efficiency

IP55 waterproof and dust-proof protection, F class insulation, ultra-efficient motor with 85% efficiency enables animal producers to save breeding costs and increase profits.

High Corrosion Resistance

The high-strength fiberglass reinforced house, powder-sprayed steel protective mesh, combined with SUS304 stainless steel accessories provide excellent corrosion resistance and durability.

Customer-oriented Option

Fixed speed version or variable frequency version, aluminium shutter or PVC shutter is optional to meet various needs.

LWPVA Series (Frequency conversion version is optional for 18",24"and 36"fan)



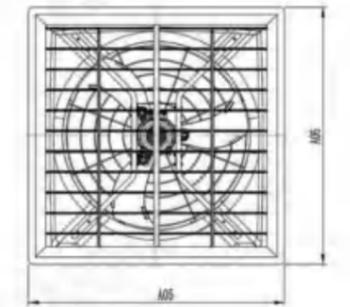
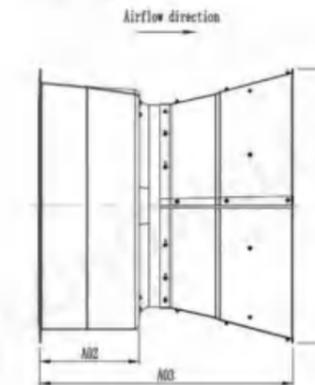
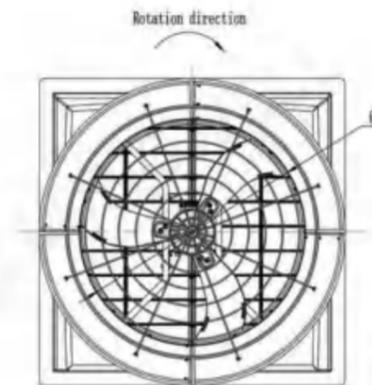
18"&24"with five blades



36"&50"with three blades



diversion hood is optional for 18",24"



Parameter Table

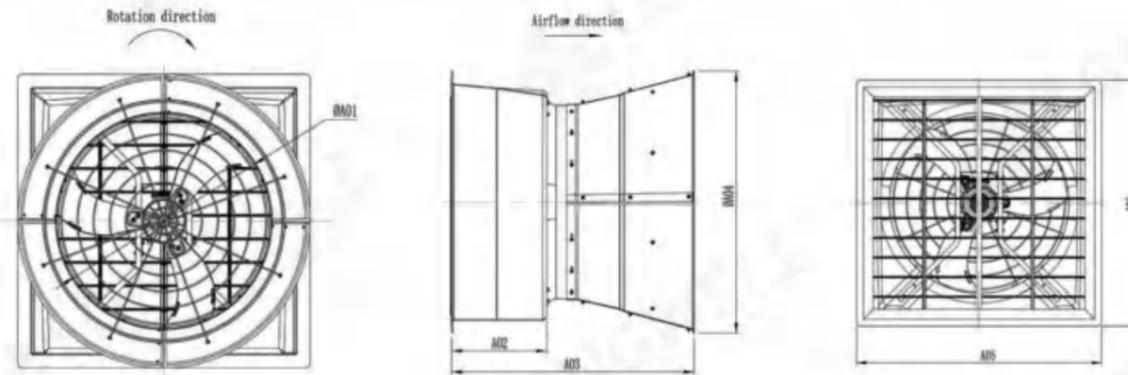
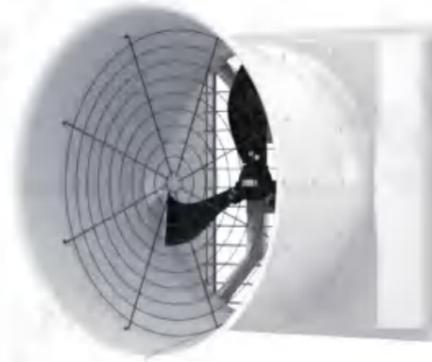
Model	LWPVA-455(18")T-01	LWPVA-625(24")T-01	LWPVA-915(36")T-01	LWPVA-1270(50")T-01	
Diameter of blade(inch)	18"	24"	36"	50"	
Motor	Voltage(V)	380	380	380	
	Hertz(Hz)	50	50	50	
	Phase	3	3	3	
	Power(KW)	0.37	0.37	0.55	1.1
	Current @0Pa(A)	0.85	1.1	1.66	4.25
Performance	Airflow(m³/hr)	7400	13600	22100	47800
	-25Pa	6900	12300	19700	42700
	-50Pa	6300	10800	17300	36200
	Efficiency(CMH/Watt)	25.4	29.2	31.2	31
Features	Drive	Direct drive	Direct drive	Direct drive	Direct drive
	Propeller	5-Aluminum	5-Aluminum	3-Aluminum	3-Aluminum
Dimension(mm)	A01	455	625	915	1270
	A02	368	373	463.5	404
	A03	892	987	1182	1313
	A04	630	850	1270	1724
	A05	715.5	903	1269	1555
	A06	715.5	903	1269	1555
Dimension of opening (mm)	615×615	805×805	1150×1150	1440×1440	



LWPVA Series

Product Characteristic

- Longwell intelligent variable speed control of EC motor, endows the fan with full protections: such as phase failure, over-voltage, under-voltage, locked-rotor, over-current and temperature protection.
- Electric control aluminum alloy shutter, which can be fully opened in all speed range to ensure large air volume and high efficiency.
- Support centralized operation control of multiple fans (Optional).
- Variable speed can be achieved via 0 ~ 10V / PWM control signal, wide high-efficiency interval to ensure low power consumption.



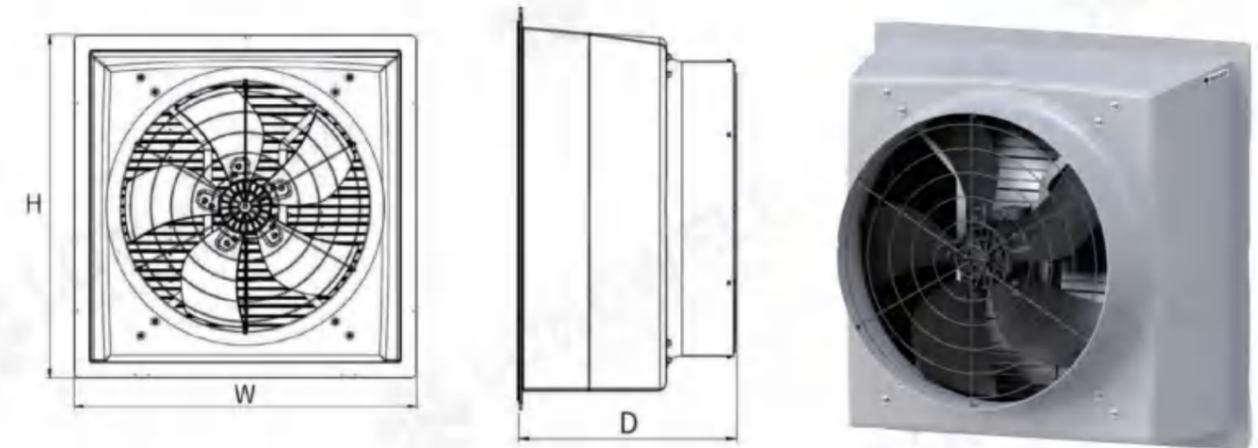
Parameter Table

Model	LWPVA-915(36")S-02	LWPVA-1270(50")T-02	
Diameter of blade(inch)	36"	50"	
Motor	Voltage(V)	220	
	Hertz(Hz)	50	
	Phase	1	
	Power(KW)	0.55	
	Current @0Pa(A)	5.5	
Performance	Airflow(m³/hr)	0Pa: 23580 -25Pa: 21430 -50Pa: 19120	
	Efficiency(CMH/Watt)	28.8	
	Features	Drive	Direct drive
		Propeller	3-Aluminum
Dimension(mm)	A01	915	
	A02	463.5	
	A03	1182	
	A04	1270	
	A05	1269	
	A06	1269	
Dimmersion of opening (mm)	1150×1150	1440×1440	

LWPVA Series

Product Characteristic

- Specially designed for high negative pressure breeding environment with long-term bearing capacity of -200Pa operation. It is an ideal choice to provide ventilation supporting for high-rise multistory breeding buildings.
- Electric rolling shutter is optional to equip to ensure smooth ventilation during operating and air-tightness after the fan is stopped.



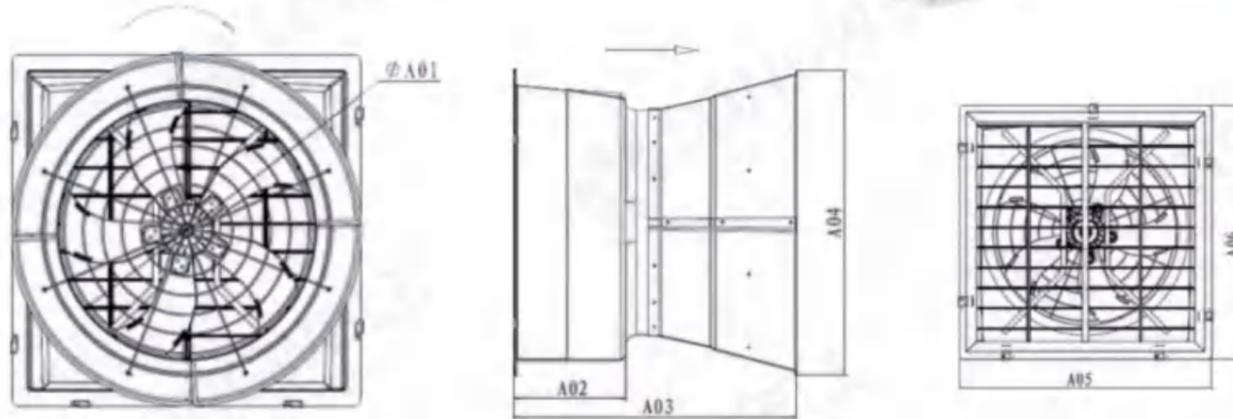
Parameter Table

Model	LWPVA-710(28")T-01	LWPVA-800(32")T-01	LWPVA-915(36")T-03	
Diameter of blade(inch)	28"	32"	36"	
Motor	Voltage(V)	380	380	
	Hertz(Hz)	50	50	
	Phase	3	3	
	Power(KW)	1.1	1.5	
	Current @0Pa(A)	3.5	4.2	
Performance	Airflow(m³/hr)	0Pa: 16900 -100Pa: 15000 -150Pa: 13800 -200Pa: 12200	23500 19600 16600 /	31570 26830 23080 17740
	Features	Drive	Direct drive	Direct drive
		Propeller	5-Aluminum	5-Aluminum
	Dimension(mm)	W×D×H	970×560×970	1270×580×1270
Dimmersion of opening(mm)		870×870	1150×1150	

LWPVA Series

Product Characteristic

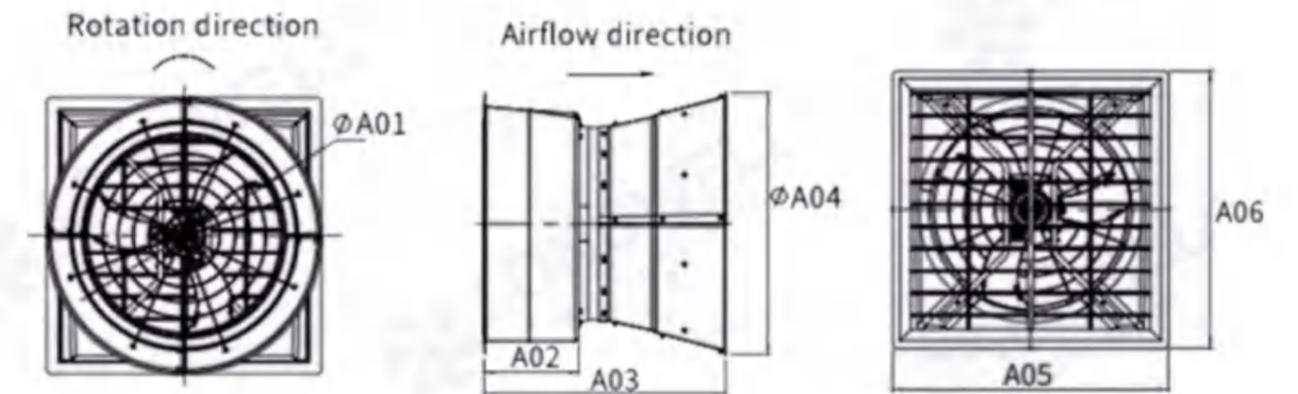
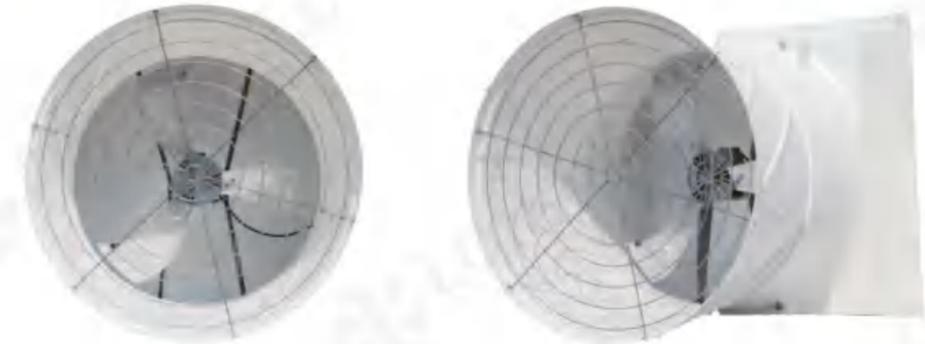
- Adapt to various farm building, especially for the application ranging from -75Pa to -120Pa. It is an ideal choice to provide ventilation supporting for breeding houses equipped with filters or deodorizing systems and high-rise multistory breeding buildings.



Parameter Table

Model		LWPVA-625(24")T-02	LWPVA-915(36")T-04	LWPVA-1290(51")T-01	LWPVA-1450(57")T-01	
Diameter of blade(inch)		24"	36"	51"	57"	
Motor	Voltage(V)	380	380	380	380	
	Hertz(Hz)	50	50	50	50	
	Phase	3	3	3	3	
	Power(KW)	0.75	0.75	1.8	2.2	
	Current @0Pa(A)	2.2	2.6	4.6	6.7	
Performance	Airflow(m ³ /hr)	-50Pa	15050	19700	44500	56200
		-75Pa	14060	17700	39500	52000
		-100Pa	12960	15100	34000	45200
Features	Drive	Direct drive	Direct drive	Direct drive	Direct drive	
	Propeller	5-Aluminum	5-Aluminum	4-Aluminum	5-Aluminum	
Dimension(mm)	A01	625	915	1290	1450	
	A02	373	463.5	390	430	
	A03	987	1182	1367	1640	
	A04	850	1270	1595	1860	
	A05	903	1270	1594	1742	
	A06	903	1270	1594	1742	
Dimension of opening (mm)		805×805	1150×1150	1510×1510	1670×1670	

LWPVA Series



Parameter Table

Model		LWPVA-455(18")T-02	LWPVA-625(24")T-03	LWPVA-915(36")T-05	LWPVA-1270(50")T-03	
Diameter of blade(inch)		18"	24"	36"	50"	
Motor	Voltage(V)	380	380	380	380	
	Hertz(Hz)	50	50	50	50	
	Phase	3	3	3	3	
	Power(KW)	0.25	0.37	0.55	1.1	
	Current @0Pa(A)	0.8	1.14	1.7	4.1	
Performance	Airflow(m ³ /hr)	0Pa	6960	12500	21400	45000
		-25Pa	6390	11440	19200	40000
		-50Pa	5710	9920	16700	34000
		Efficiency(CMH/Watt)	23.4	24.4	27.3	29.3
Features	Drive	Direct drive	Direct drive	Direct drive	Direct drive	
	Propeller	5-Aluminum	5-Aluminum	3-Aluminum	3-Aluminum	
Dimension(mm)	A01	455	625	915	1270	
	A02	368	373	463.5	404	
	A03	892	987	1182	1313	
	A04	630	850	1270	1724	
	A05	715.5	903	1269	1555	
	A06	715.5	903	1269	1555	
Dimension of opening (mm)		615×615	805×805	1150×1150	1440×1440	

Galvanized Box Fan Series

Professional HVAC Fan & Motors Manufacturer



Large Air Flow

High-strength stainless steel propeller with advanced fluid design that provides large air flow low noise, and high efficiency.

High Efficiency

IP55 waterproof and dust-proof protection, F class insulation, ultra-efficient motor with 85% efficiency enables animal producers to save breeding costs and increase profits..

High Strength

Box housing and venturi nozzle are made of "X" gauge galvanized sheet-steel with 275g/m² zinc layer coating, which enables to withstand the harsh environment of the breeding sites.

Long Durability

Belt drive, adopt imported famous brand belt, made of neoprene•composite materials and fiberglass cord core, that provides high strength, good wear resistance, high flexibility and high tensile resistance.

Excellent Air-tightness

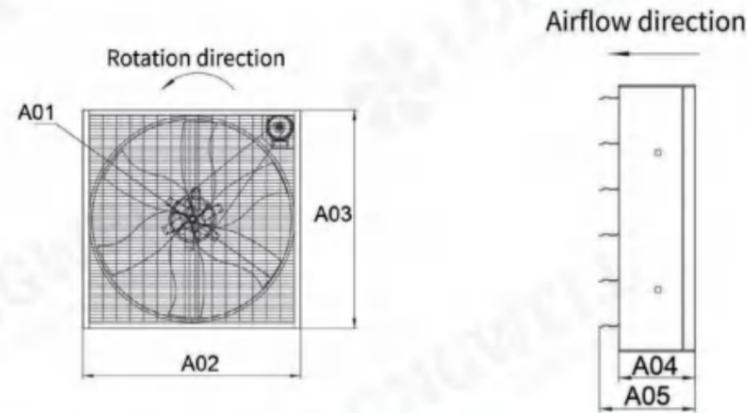
The shutter is automatically open and close by a centrifugal push-pull device, which ensures air tightness and prevents light transmittance.

Wide Application

An ideal choice for ventilation and cooling in animal breeding houses, greenhouses, various warehouses, workshops and more.



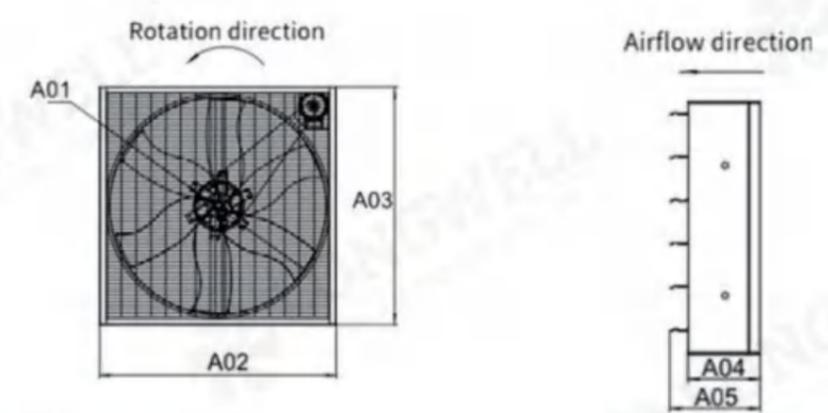
LWPVB Series



Parameter Table

Model	LWPVB-915(36")T(S)-01	LWPVB-1270(50")T(S)-01
Diameter of blade(inch)	36"	50"
Motor	Voltage(V)	380/230
	Hertz(Hz)	50/60
	Phase	3
	Power(KW)	0.55
	Current @0Pa(A)	1.7
Performance	Airflow(m³/hr)	19100
	Efficiency(CMH/Watt)	23.3
	0Pa	16400
	-25Pa	13300
Features	Drive	Direct drive
	Propeller	6-Aluminum
Dimension(mm)	A01	915
	A02	1000
	A03	1000
	A04	450
	A05	500
Dimmersion of opening (mm)	1020×1020	1440×1440

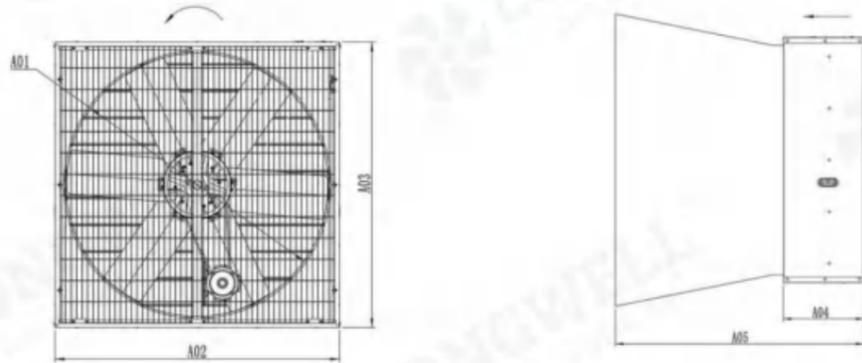
LWPVB Series



Parameter Table

Model	LWPVB-915(36")T(S)-02	LWPVB-1270(50")T(S)-02
Diameter of blade(inch)	36"	50"
Motor	Voltage(V)	380/230
	Hertz(Hz)	50/60
	Phase	3
	Power(KW)	0.55
	Current @0Pa(A)	1.7
Performance	Airflow(m³/hr)	18400
	Efficiency(CMH/Watt)	23.3
	0Pa	16080
	-25Pa	12750
Features	Drive	Direct drive
	Propeller	6-Aluminum
Dimension(mm)	A01	915
	A02	1000
	A03	1000
	A04	450
	A05	500
Dimmersion of opening (mm)	1020×1020	1440×1440

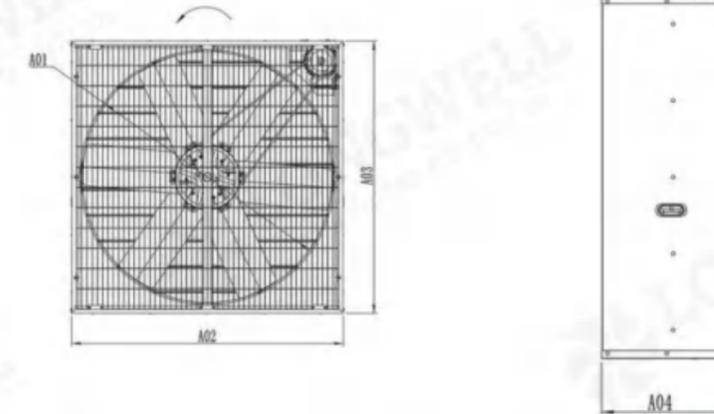
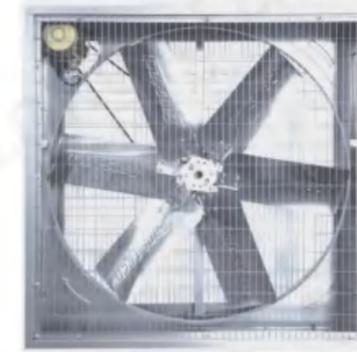
LWPVB Series



Parameter Table

Model	LWPVB-915(36")T-03	LWPVB-1270(50")T-03	
Diameter of blade(inch)	36"	50"	
Motor	Voltage(V)	380	
	Hertz(Hz)	50	
	Phase	3	
	Power(KW)	0.55	
	Current @0Pa(A)	1.5	
Performance	Airflow(m³/hr)		
	0Pa	20483	44084
	-25Pa	17616	40125
	-50Pa	14570	34561
Efficiency(CMH/Watt)	26.3	26.5	
Features	Drive	Direct drive	Direct drive
	Propeller	6-Aluminum	6-Aluminum
Dimension(mm)	A01	915	1270
	A02	1000	1380
	A03	1000	1380
	A04	300	300
	A05	1180	1300
Dimmersion of opening (mm)	1020×1020	1440×1440	

LWPVB Series



Parameter Table

Model	LWPVB-915(36")T-04	LWPVB-1270(50")T-04	
Diameter of blade(inch)	36"	50"	
Motor	Voltage(V)	380	
	Hertz(Hz)	50	
	Phase	3	
	Power(KW)	0.55	
	Current @0Pa(A)	1.5	
Performance	Airflow(m³/hr)	20000	42000
Features	Drive	Direct drive	Direct drive
	Propeller	6-Aluminum	6-Aluminum
Dimension(mm)	A01	915	1270
	A02	1000	1380
	A03	1000	1380
	A04	330	330

Circulation Fan Series

Professional HVAC Fan & Motors Manufacturer



Fast cooling

Being optimized with fluid simulation design, high-strength aluminum alloy propeller provides large air flow with few air volume loss on both sides, which enables fast cooling and quickly air quality improving in cowsheds.

Wide airflow

Long air blow distance and wide air supply area can be simply achieved by adjusting the airfoil deflectors instead of changing the original position of the fan.

Easy to maintain

An automatic belt tensioner is adopted to extend debugging period; and the belt change is easily done without removing the propeller.

Power saving

The use of ultra-efficient motor achieves high energy efficiency ratio to reduce power consumption and costs.

Anti-corrosion

Corrosion resistance high-density fiberglass housing, with high strength and light weight.

Animal comfort

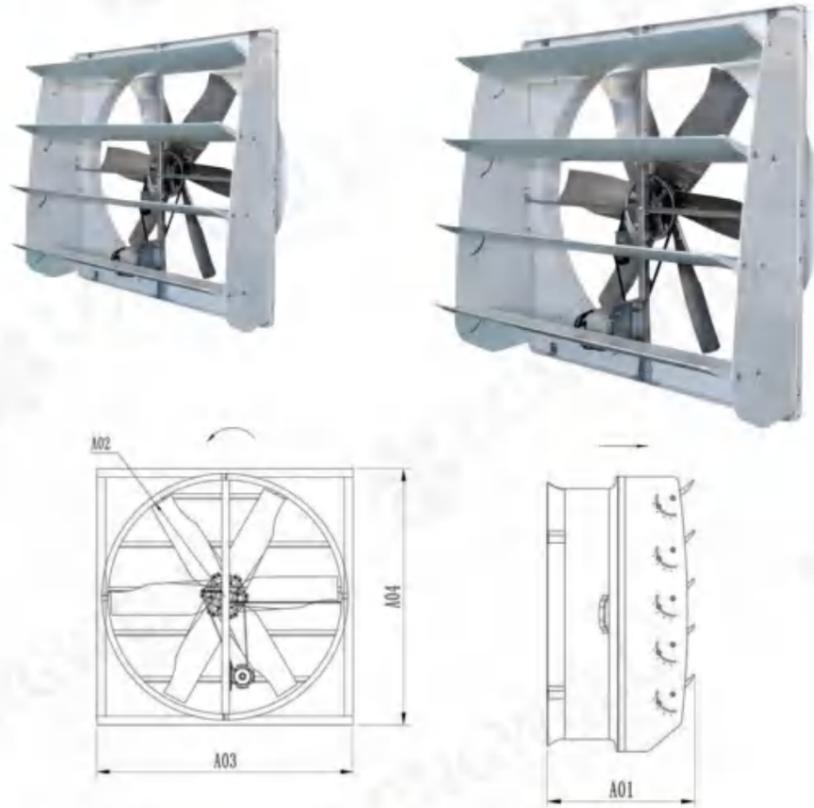
Silently supply gentle wind at low operation speed to comfort the animals.

Application

Widely used in cowsheds and stables for air circulation, cooling, and livestock beds drying; an atomizer can be fitted with to achieve the effects of humidification and suppression of dust.



LWPVC Series



Parameter Table

Model	LWPVC-1400(55")T(S)-01	LWPVC-1830(72")T(S)-01
Diameter of blade(inch)	55"	72"
Motor	Voltage(V)	380/230
	Hertz(Hz)	50/60
	Phase	3
	Power(KW)	1.1
	Current @0Pa(A)	3.1
Performance	Airflow(m³/hr)	45000
	Airflow(CFM)	26500
	Efficiency(m³/hr)/W	36
	Efficiency(cfm/Watt)	21.2
Features	Drive	Belt driven
	Belt	Mitsuboshi with automatic tensioner
	Propeller	6-Aluminum
	Deflector	4
Dimension(mm)	A01	740
	A02	1400
	A03	1600
	A04	1600



Fast cooling

Being optimized with fluid simulation design, high-strength die-cast aluminum airfoil propeller provides large air flow, which enables fast cooling and quickly air quality improving in cowsheds.



Low Noise

The smooth propeller shape and high dynamic balance accuracy makes tiny friction coefficient between the blade and air combined with small resonance during running, which ensures low noise and improves the living comfort for the animals.



Maintenance Free

Direct driving with high transmission efficiency and simple structure, which eliminates the trouble of regular belt replacement and reduces the using cost.



Power saving

The use of ultra-efficient motor achieves high energy efficiency ratio to reduce power consumption and costs.



Anti-corrosion

The powder-sprayed steel body and protective mesh, combined with SUS304 stainless steel accessories provide excellent corrosion resistance.



High durability

2.0mm thickness steel fan body with epoxy resin coating, sturdy and durable.



LWPVC Series



Parameter Table

Model	LWPVC-915(36")T-01	LWPVC-915(36")T-02
Diameter of blade(inch)	36"	36"
Motor	Voltage(V)	380
	Hertz(Hz)	50
	Phase	3
	Power(KW)	0.75
	Speed(rpm)	930
Performance	Airflow(m ³ /hr)	24500
	Airflow(CFM)	14430
	Efficiency(m ³ /hr)/W	25.8
	Efficiency(cfm/Watt)	15.2
Features	Drive	Direct drive
	Propeller	5-Aluminum
Dimension(mm)	W×D×H	1070×380×1070

Drum Fan Series

Professional HVAC Fan & Motors Manufacturer



Large airflow

Being optimized with fluid simulation design, excellent performance and large air flow to ensure adequate air circulation

Low noise

High-strength nylon propeller with anti-deformation, smooth blade shape and low operating load, which ensures low noise and help to improve the comfort of animals' living environment

Maintenance-free

Direct driving with high transmission efficiency and simple structure eliminates the trouble of regular belt replacement and reduces the using cost

Ultra-efficient motor

IP55 waterproof and dust-proof protection, F class insulation, ultra-efficient motor with 85% efficiency enables animal producers to save breeding costs and increase profits

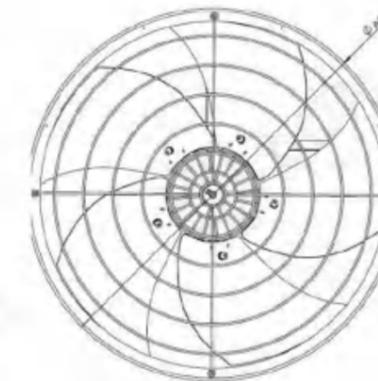
Anti-corrosion

High molecular polymer fiberglass reinforced shell with light weight, anti-corrosion and good strength

Long service life

Powder-sprayed metal bracket provides good structural strength, terrific anti-rust ability and long service life.

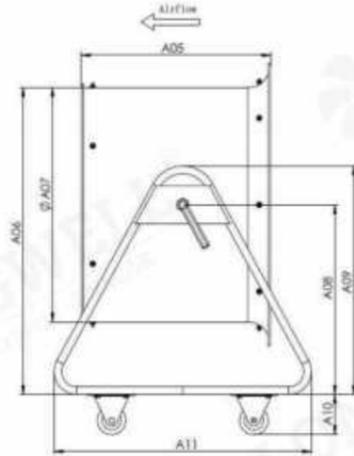
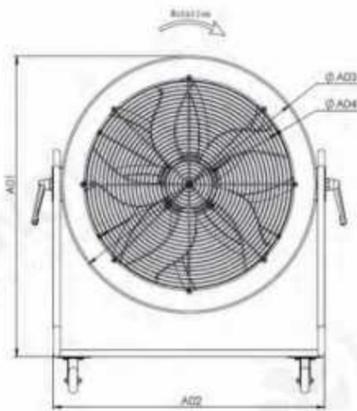
LWPVD Series



Parameter Table

Model		LWPVD-350(14")S-01	LWPVD-455(18")S-01	LWPVD-500(20")S-01	LWPVD-710(28")S-01	
Diameter of blade(inch)		14"	18"	20"	28"	
Motor	Voltage(V)	220	220	220	380	
	Hertz(Hz)	50	50	50	50	
	Phase	3	3	3	3	
	Power(KW)	0.12	0.18	0.37	0.75	
	Current @0Pa(A)	0.5	1	1.6	2.5	
Performance	Airflow(m³/hr)	0Pa	2800	4700	7050	16380
		50Pa	2000	4000	6000	15000
		100Pa	/	2840	4830	13080
Features	Drive	Direct drive	Direct drive	Direct drive	Direct drive	
	Propeller	5-Aluminum	5-Aluminum	5-Aluminum	5-Aluminum	
Dimension(mm)	A01	400	500	550	760	
	A02	300	350	350	400	

LWPVD Series



Parameter Table

Model		LWPVD-625(24")T(S)-01			
Diameter of blade(inch)		24"			
Motor	Voltage(V)	3~380/3~200			
	Hertz(Hz)	50/60			
	Phase	4			
	Power(KW)	1.5			
	Current @0Pa(A)	6			
Performance	Airflow(m³/hr)	18000			
	Airflow(CFM)	10590			
Features	Drive	Direct drive			
	Propeller	7-Aluminum			
	Bearing	NSK bearing			
Dimension(mm)	A01 A02 A03 A04	870	790	744	600
	A05 A06 A07 A08	500	806	616	498
	A09 A10 A11	600	106	680	