

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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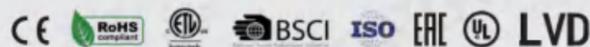
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LONGWELL TECHNOLOGY

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



Professional Manufacturer
of HVACR Fan & Motors

Commercial Duct Fan

Longwell Group

Longwell-China

Longwell-USA

Longwell-Russia

Longwell-Europe



CATALOGUE

01-02	About Longwell
03-04	Testing and Standards
05-29	Rectangular Duct Fan
30-42	Ultra-Thin Silent Fan
43-51	One-way Straight Line Type Silent Fan
52-59	Split Duct Fan
60-63	Silent Air Cabinet
64-66	Centrifugal Fan Box

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

1 Million⁺ PCS

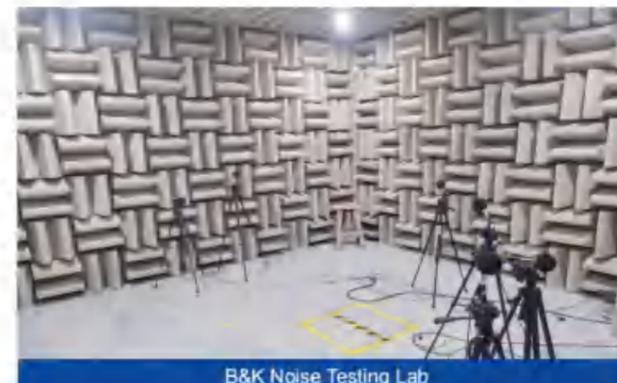
Annual Outputs

6

Overseas offices on spot support

50⁺

Members R&D Team



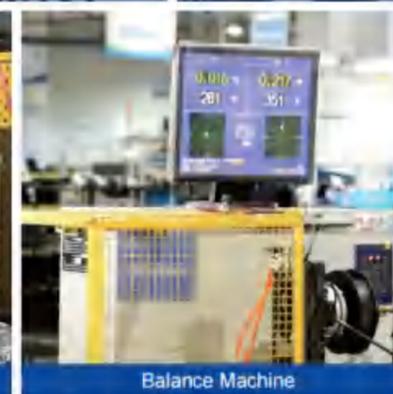
B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



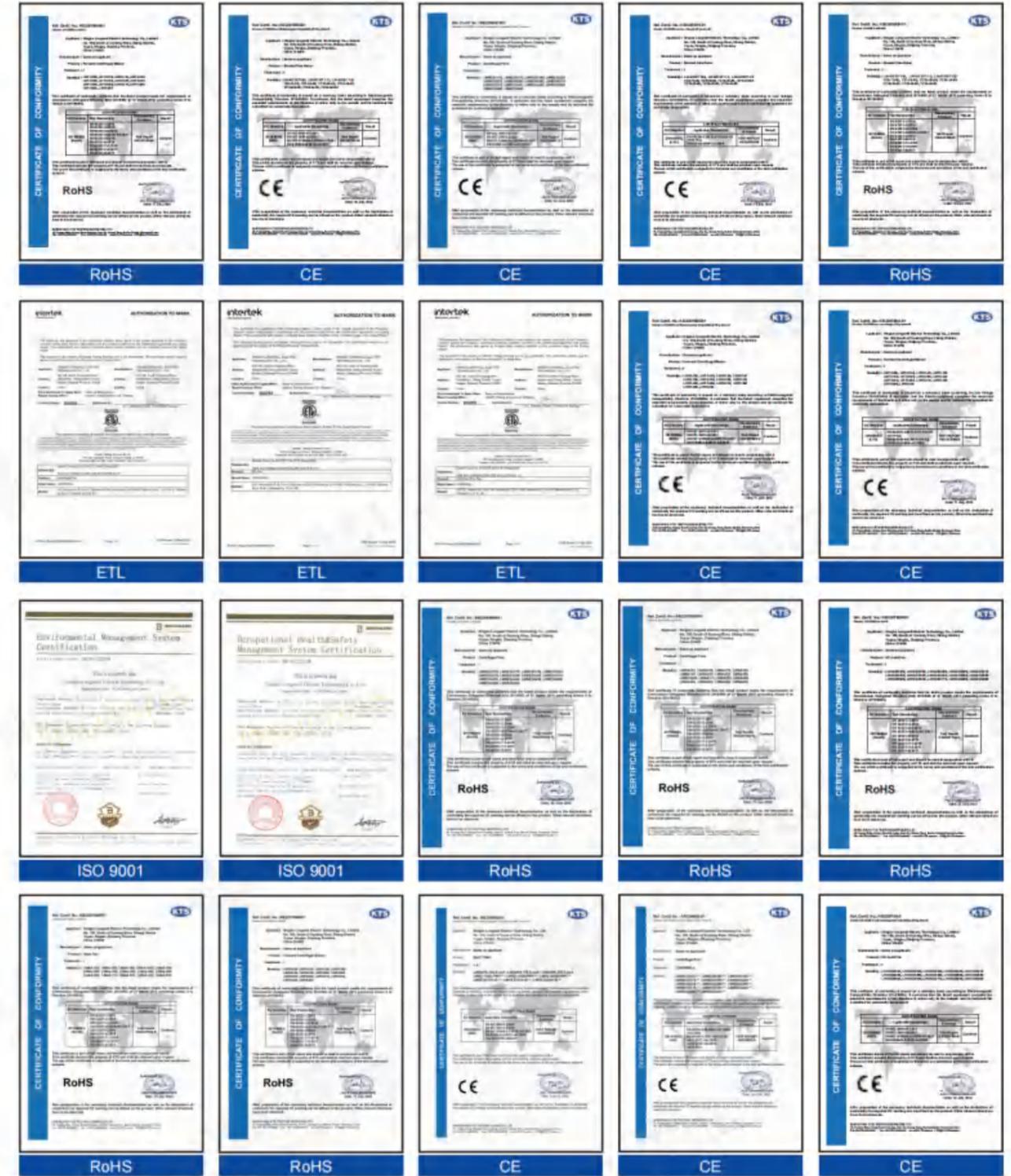
Production Line

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



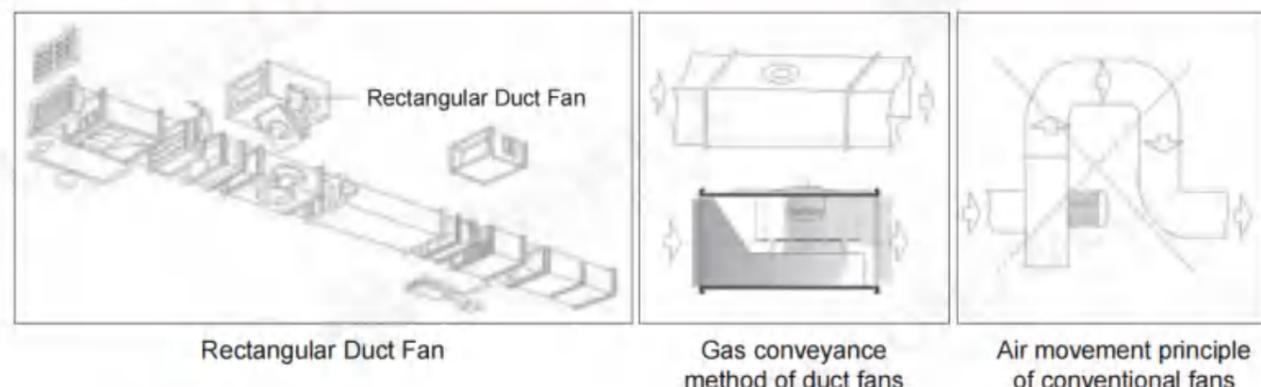
Rectangular Duct Fan

Suitable for general indoor ventilation systems (e.g., hospitals, hotels, bathrooms, schools, commercial office buildings, etc.). The fan is driven by a 2-, 4-, or 6-pole external rotor motor, designed for continuous long-term operation. Equipped with a built-in thermal protector, it safeguards the motor against overload and overheating, preventing burnout.

Its compact structural design allows seamless installation in confined spaces or low-ceiling areas. With duct-compatible inlet/outlet dimensions, the fan overcomes spatial and positional constraints, enabling flexible mounting at any point within ductwork – resolving traditional ventilation limitations and simplifying system configuration.

An optional acoustic liner can be added to meet low-noise requirements in sensitive environments like hospitals and commercial offices. The fan is configurable with either a forward-curved multi-blade centrifugal impeller or a backward-curved centrifugal impeller.

Installation follows standard duct suspension methods, ensuring simplicity and adaptability. Widely deployed in large-scale ventilation systems including laboratories, hospitals, libraries, shopping malls, offices, KTVs, and other public spaces.



1. Test standard

Air performance parameters are tested in accordance with ISO 5801 standards, with an ambient air density of 1.2 kg/m³. Velocity pressure and outlet air velocity are calculated based on the outlet cross-sectional area.

2. Motor

The fan employs an external rotor motor with IP44 protection rating, featuring a built-in thermal overload protector and Class F insulation. Power supply options include single-phase 220-240V/50Hz or optional three-phase 380V/50Hz, utilizing imported NSK bearings.

3. Operating conditions

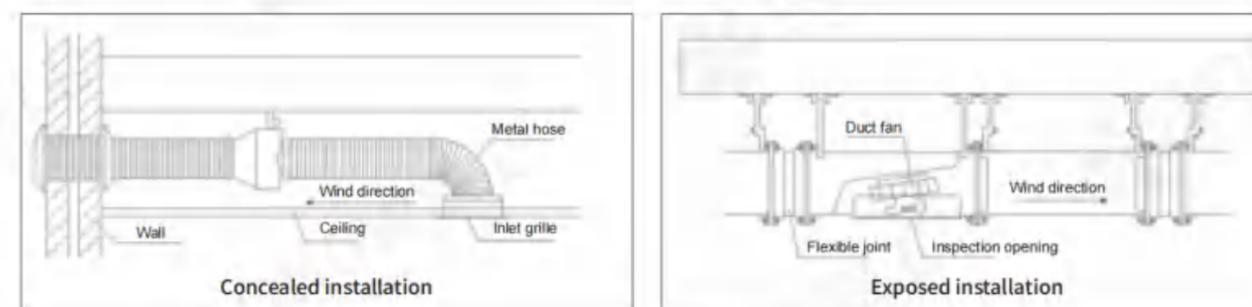
Suitable for general indoor use, the working environment temperature is -20°C to +60°C. The conveying medium is air or other non corrosive, the medium temperature does not exceed 80°C, the dust content and other solid content do not exceed 100g/m³, and there should be no viscous or fibrous substances in the medium.

4. Suitable for duct size

The fan opening dimensions range from 250mm to 1000mm in width and 125mm to 700mm in height, enabling direct compatibility with standard duct sizes for seamless installation.

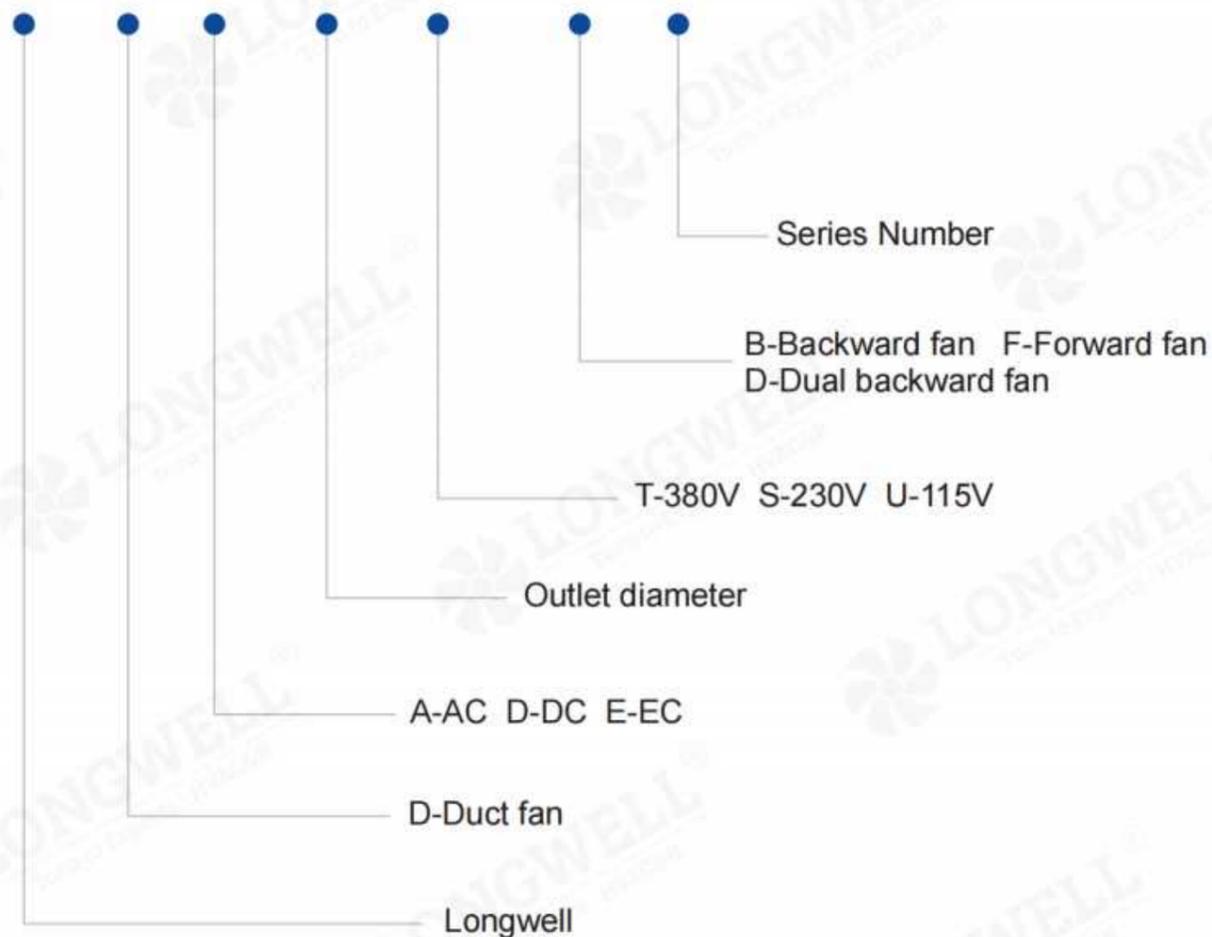
5. Installation

Connect directly to the duct, clamp the fan with angle irons, then suspend it with hanger rods.



Type Code

LW D A 200 S - B 01



Forward Centrifugal Duct Fan

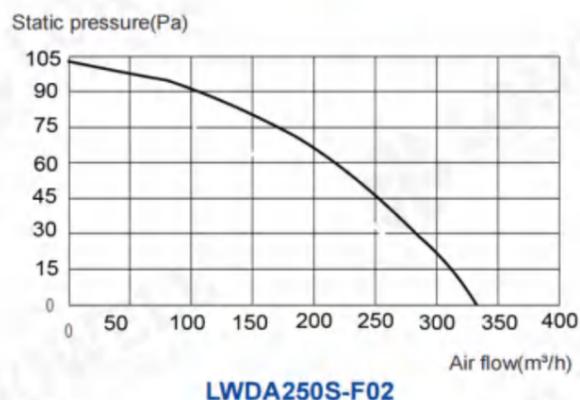
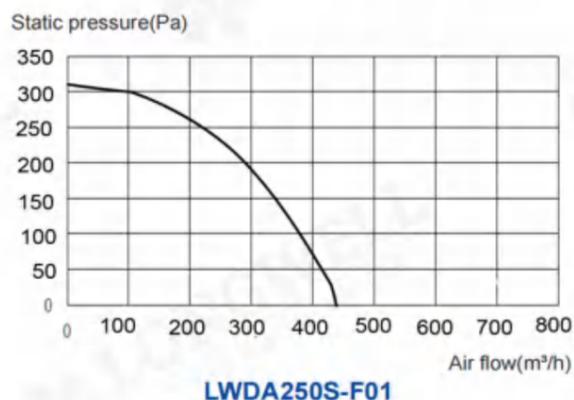
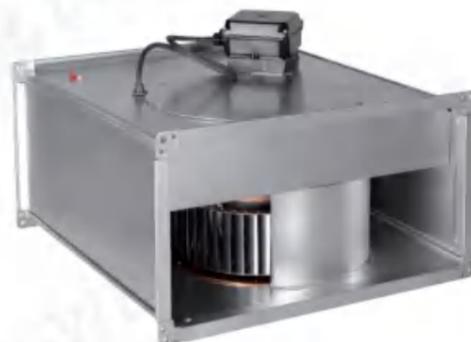
Professional HVAC Fan & Motors Manufacturer



LWDA-250 Serise

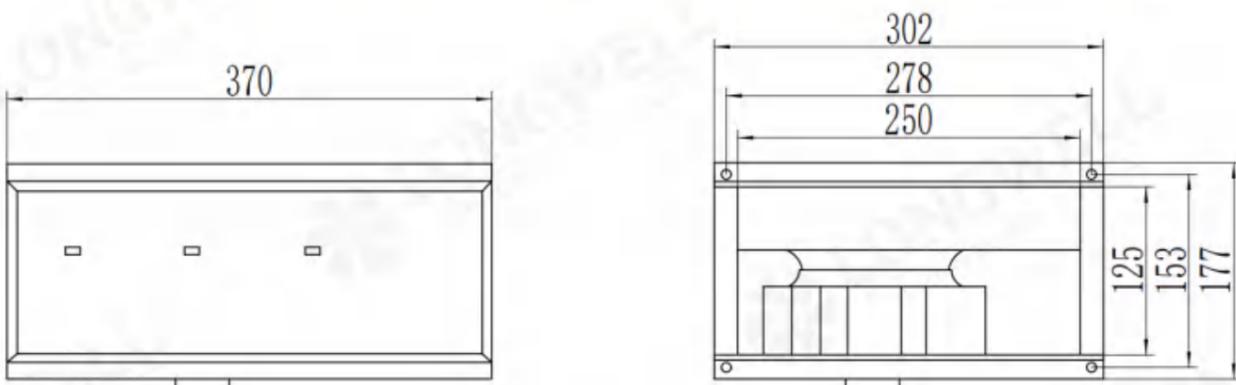
Product Characteristic

- Power Supply: 220V/50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

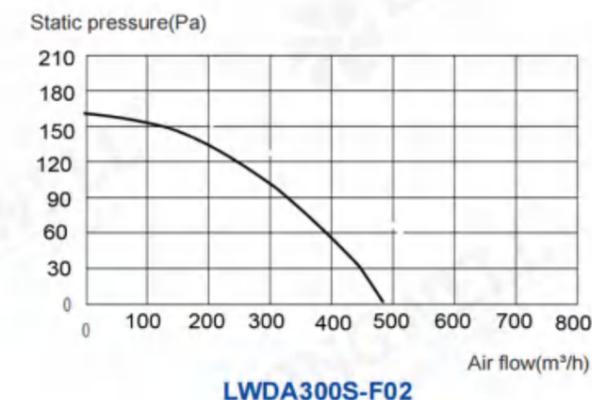
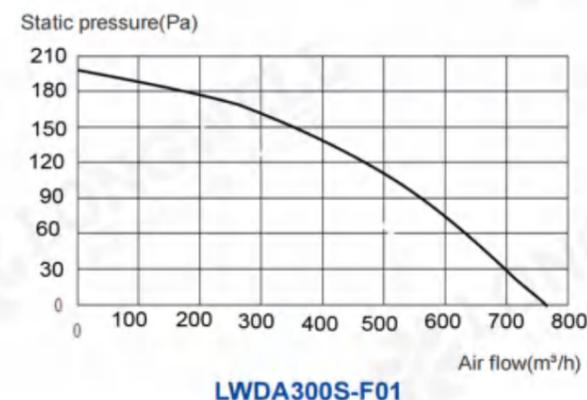
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA250S-F01	220~50	430	305	85	0.4	1570	64	250×125	22~33
LWDA250S-F02	220~50	300	102	40	0.18	1140	54	250×125	13~20



LWDA-300 Serise

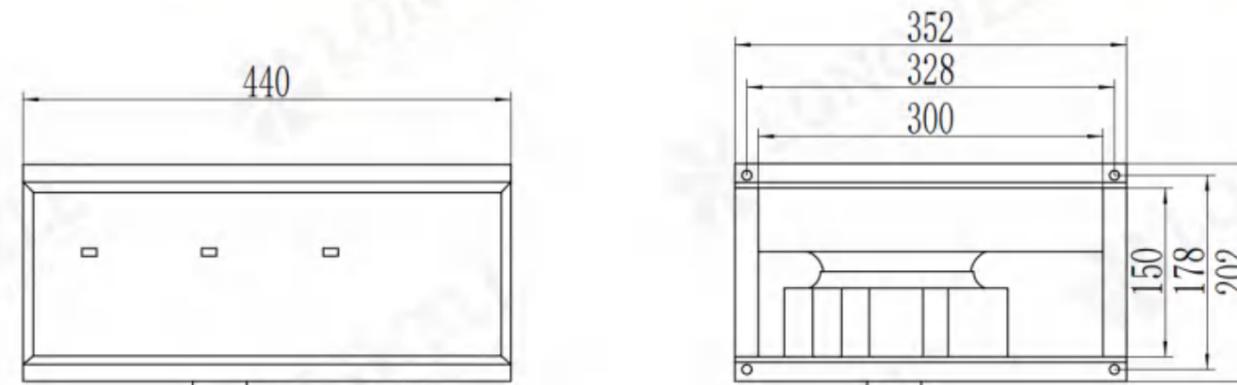
Product Characteristic

- Power Supply: 220V/50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

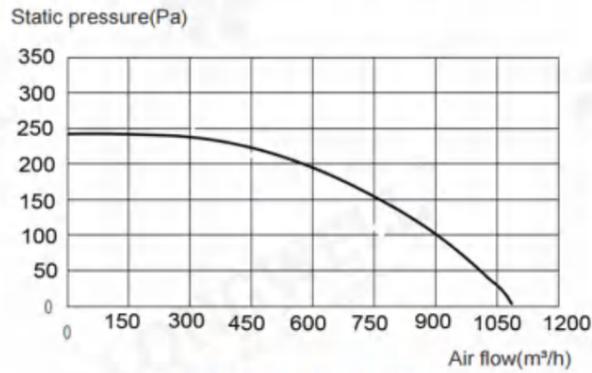
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA300S-F01	220~50	750	200	123	0.5	1190	62	300×150	34~51
LWDA300S-F02	220~50	480	160	64	0.3	870	60	300×150	22~33



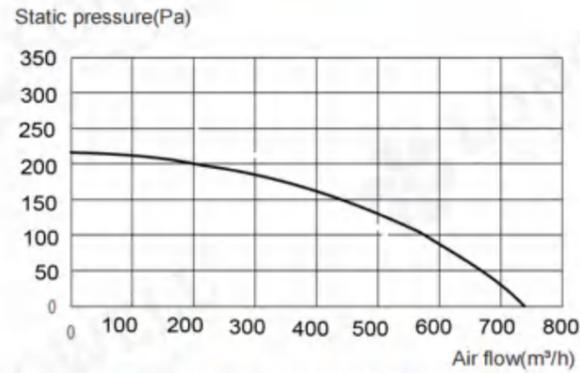
LWDA-400 Serise

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



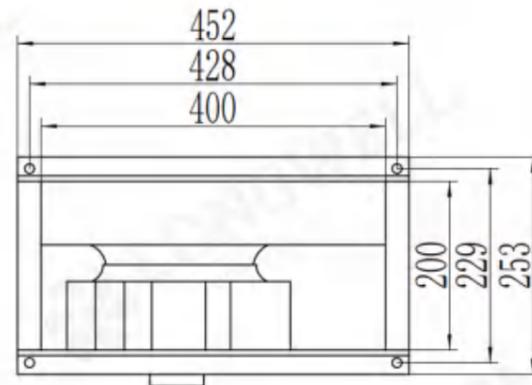
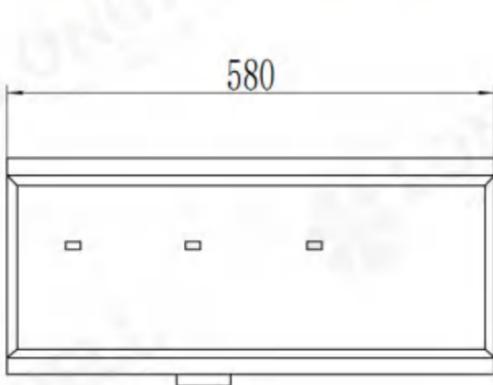
LWDA400S(T)-F01



LWDA400S(T)-F02

Technical Specifications

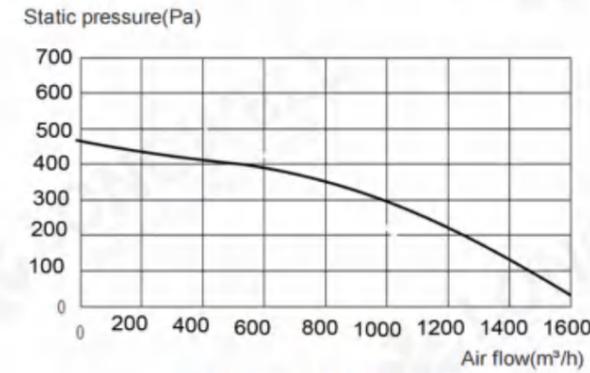
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA400S(T)-F01	220~50/380~50	1080	240	260	1.08/0.57	1390	64	400×200	55~83
LWDA400S(T)-F02	220~50/380~50	730	215	147	0.7/0.36	800	61	400×200	33~50



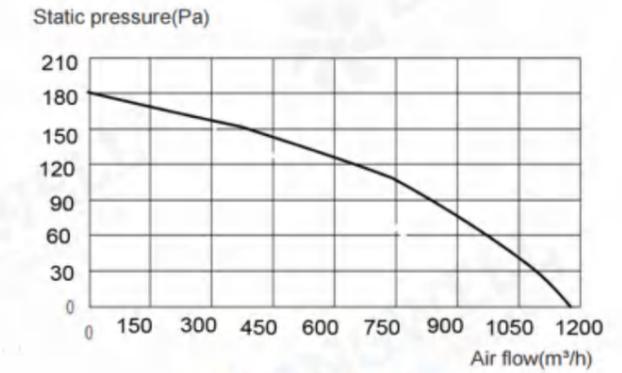
LWDA-500 Serise

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



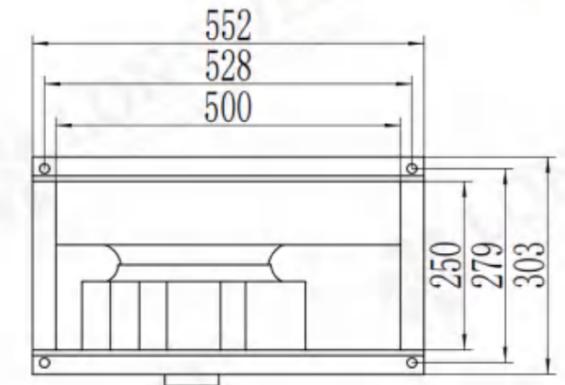
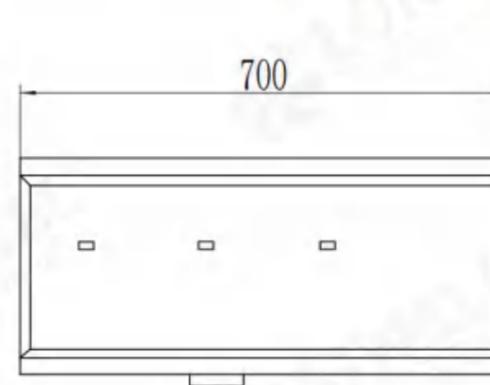
LWDA500S(T)-F01



LWDA500S(T)-F02

Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA500S(T)-F01	220~50/380~50	1620	450	634	2.93/1.29	1430	65	500×250	83~125
LWDA500S(T)-F02	220~50/380~50	1150	180	328	1.53/0.7	950	62	500×250	55~83



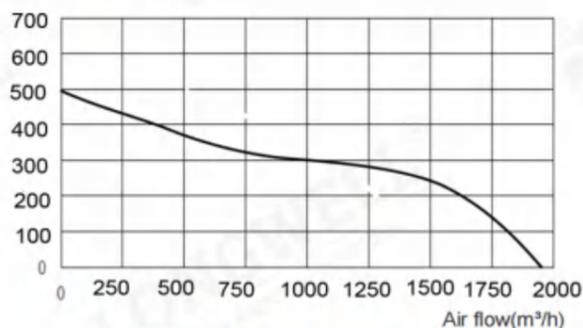
LWDA-500 Serie

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C

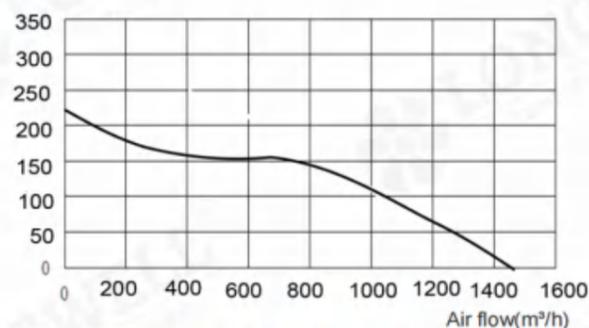


Static pressure(Pa)



LWDA500S(T)-F03

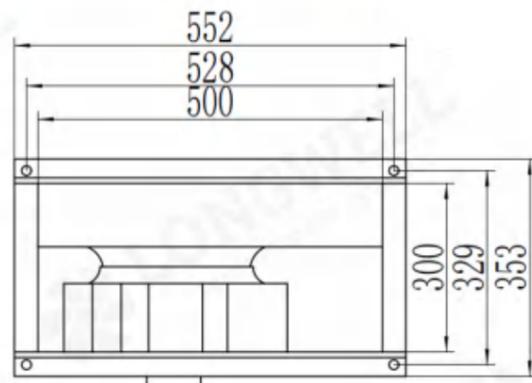
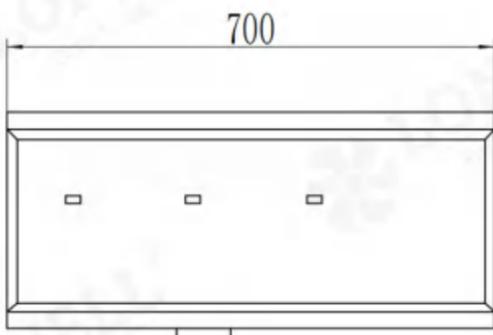
Static pressure(Pa)



LWDA500S(T)-F04

Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA500S(T)-F03	220~50/380~50	1920	500	714	3.3/1.44	1410	67	500×300	100~150
LWDA500S(T)-F04	220~50/380~50	1440	220	328	1.53/0.7	930	64	500×300	60~90



Backward Centrifugal Duct Fan

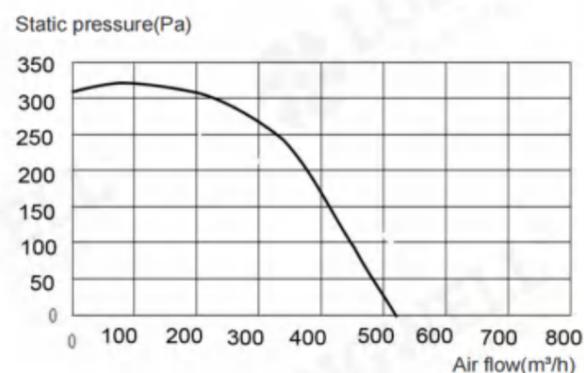
Professional HVAC Fan & Motors Manufacturer



LWDA-250 Serie

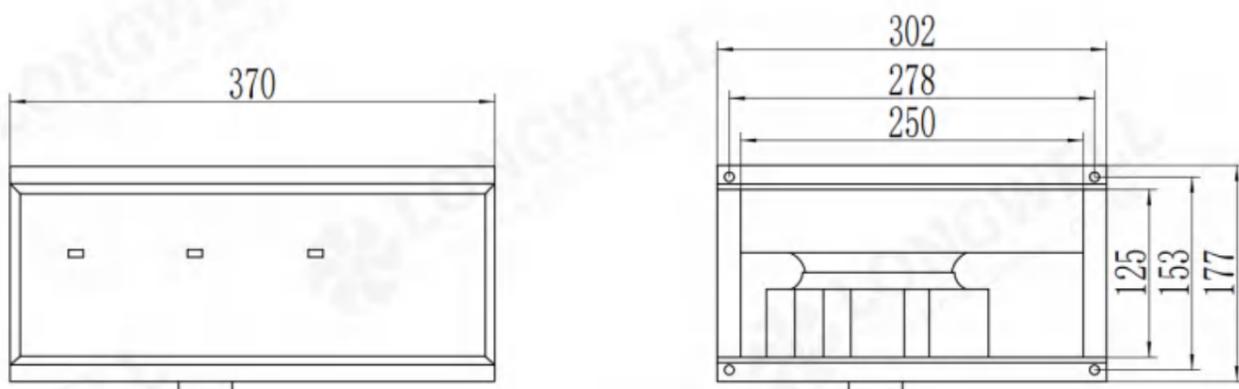
Product Characteristic

- Power Supply: 220V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

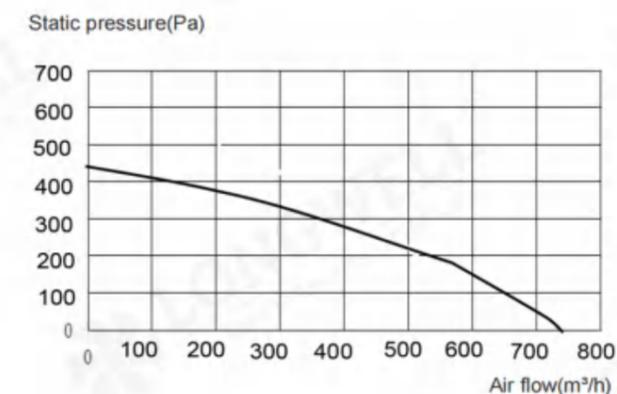
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA250S-B01	220~50	500	330	65	0.29	2300	61	250×125	25~37



LWDA-300 Serie

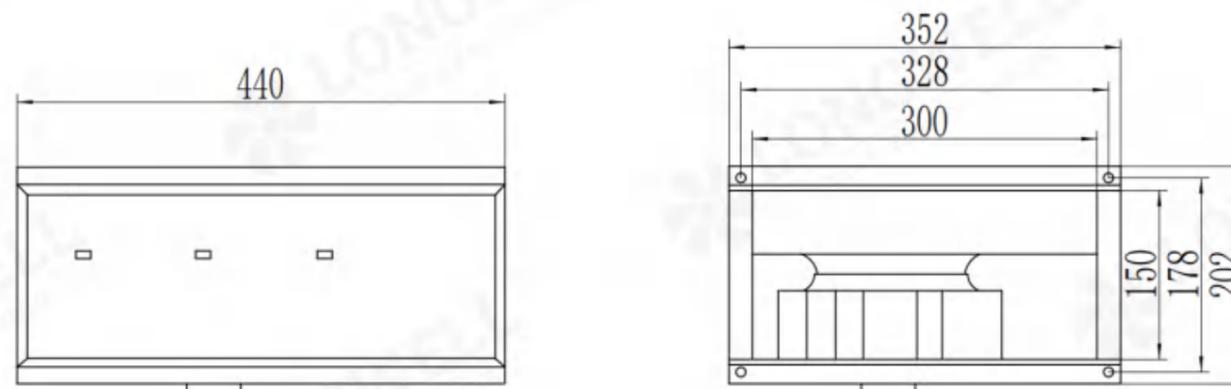
Product Characteristic

- Power Supply: 220V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA300S-B01	220~50	700	440	100	0.45	2300	64	300×150	36~54



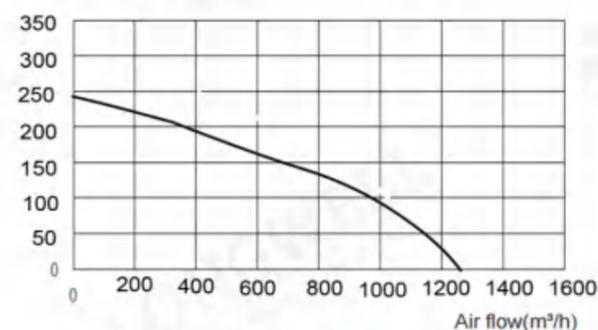
LWDA-400 Serise

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C

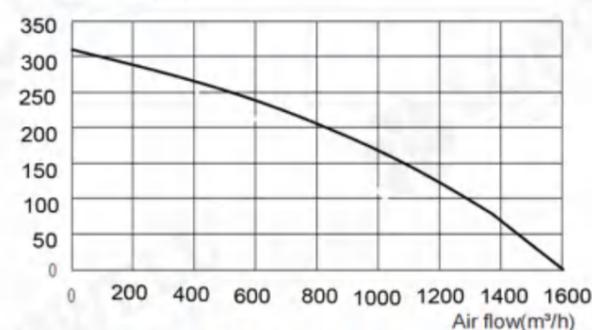


Static pressure(Pa)



LWDA400S(T)-B01

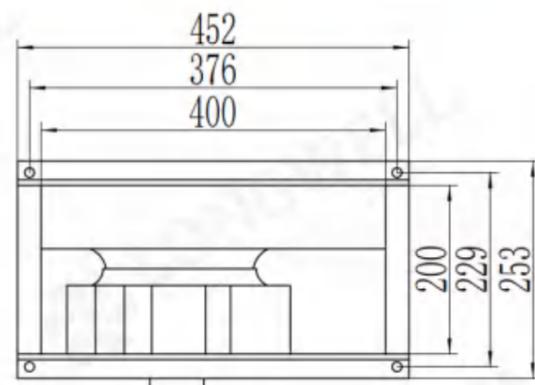
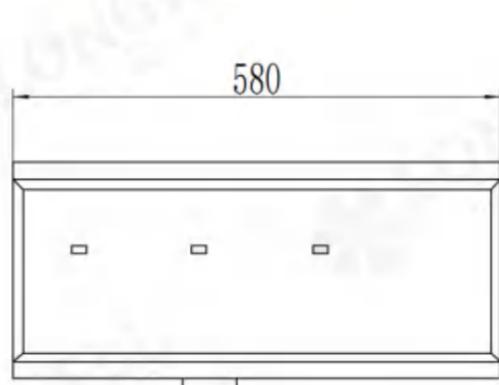
Static pressure(Pa)



LWDA400S(T)-B02

Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA400S(T)-B01	220~50/380~50	1250	245	147	0.7/0.36	1180	63	400×200	52~78
LWDA400S(T)-B02	220~50/380~50	1600	300	190	0.85/0.44	1400	64	400×200	69~104



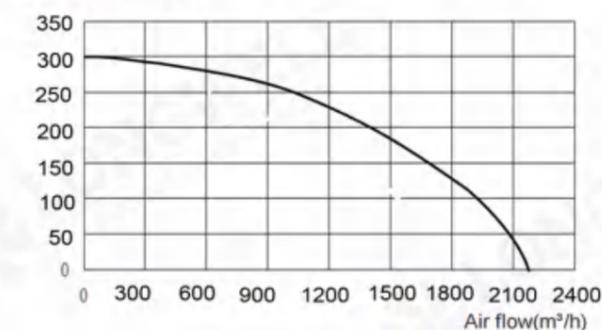
LWDA-500 Serise

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C

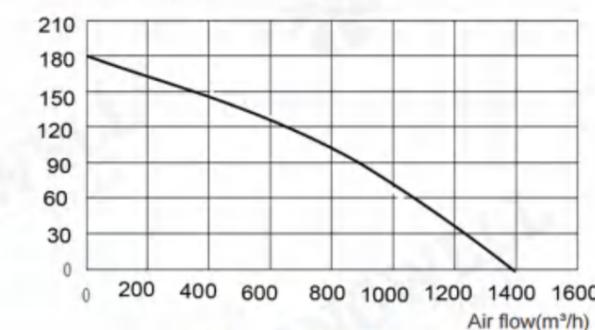


Static pressure(Pa)



LWDA500S(T)-B01

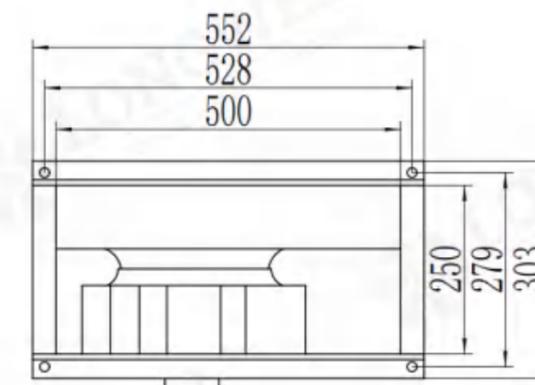
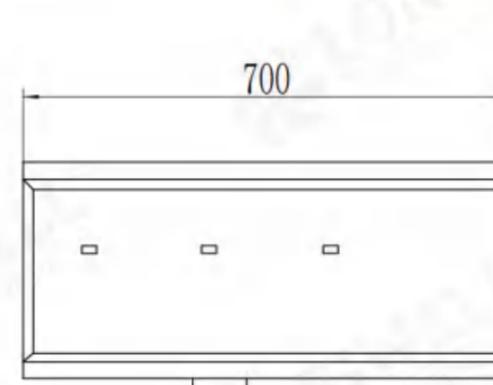
Static pressure(Pa)



LWDA500S(T)-B02

Technical Specifications

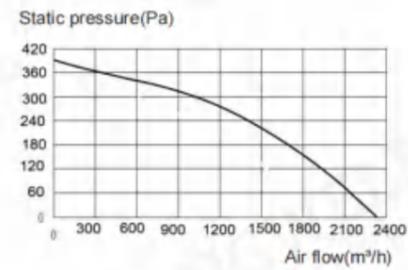
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA500S(T)-B01	220~50/380~50	2200	300	260	1.08/0.57	1420	65	500×250	105~158
LWDA500S(T)-B02	220~50/380~50	1400	170	160	0.8/0.38	950	55	500×250	44~66



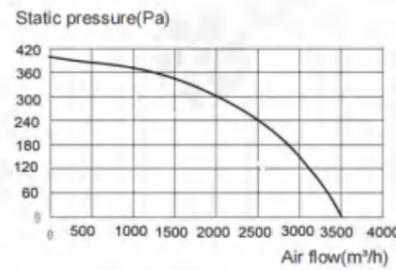
LWDA-500 Serie

Product Characteristic

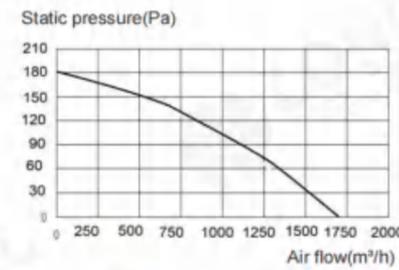
- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



LWDA500S(T)-B03



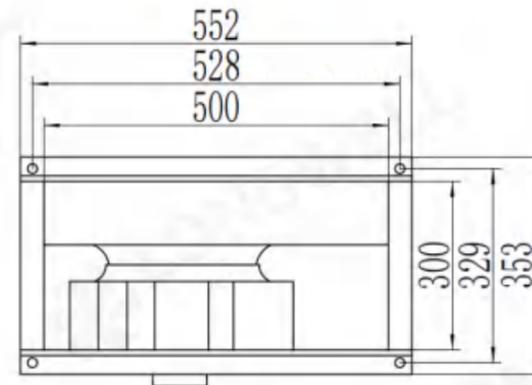
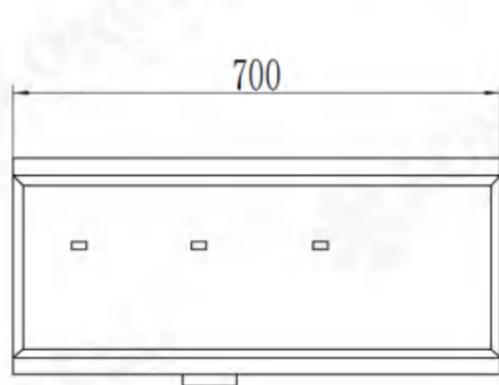
LWDA500S(T)-B04



LWDA500S(T)-B05

Technical Specifications

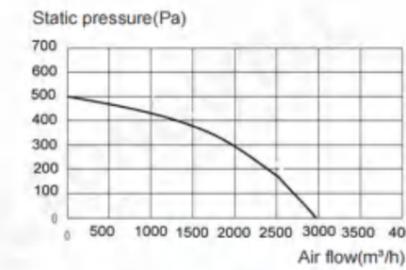
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA500S(T)-B03	220~50/380~50	2300	380	370	1.5/0.78	1380	65	500×300	116~175
LWDA500S(T)-B04	220~50/380~50	3400	400	460	2.15/0.95	1420	66	500×300	169~255
LWDA500S(T)-B05	220~50/380~50	1600	180	180	0.85/0.42	950	55	500×300	55~83



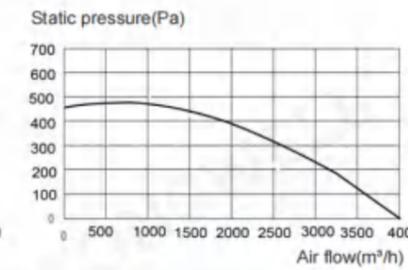
LWDA-600 Serie

Product Characteristic

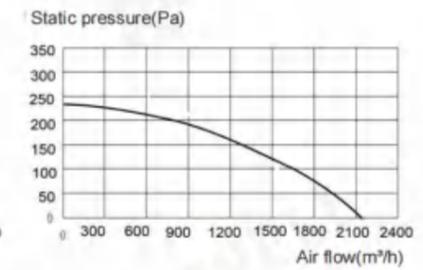
- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



LWDA600S(T)-B01



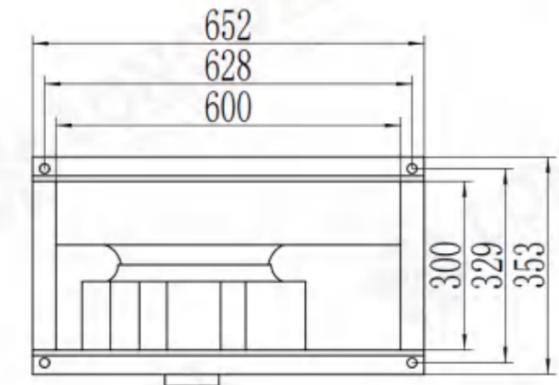
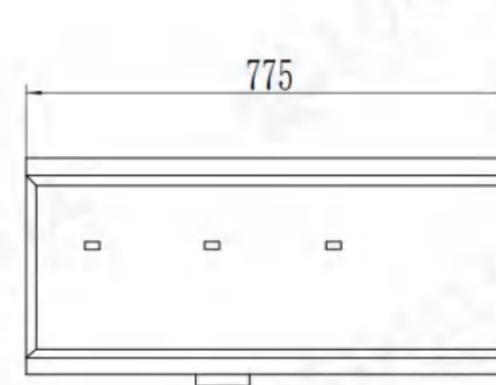
LWDA600S(T)-B02



LWDA600S(T)-B03

Technical Specifications

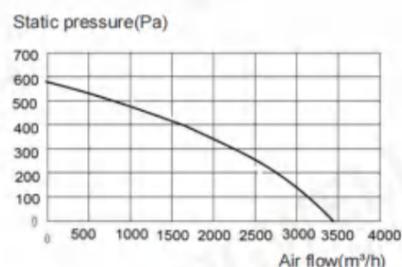
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA600S(T)-B01	220~50/380~50	2950	500	634	2.93/1.29	1390	68	600×300	150~225
LWDA600S(T)-B02	220~50/380~50	4000	480	714	3.3/1.44	1420	69	600×300	200~300
LWDA600S(T)-B03	220~50/380~50	2150	230	328	1.53/0.7	950	60	600×300	89~133



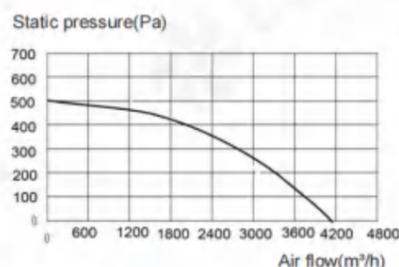
LWDA-600 Serise

Product Characteristic

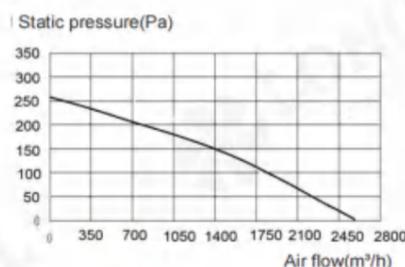
- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



LWDA600S(T)-B04



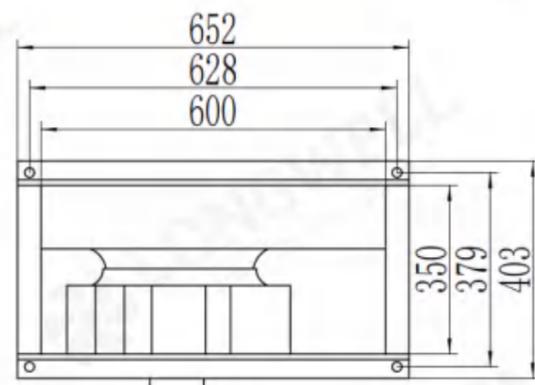
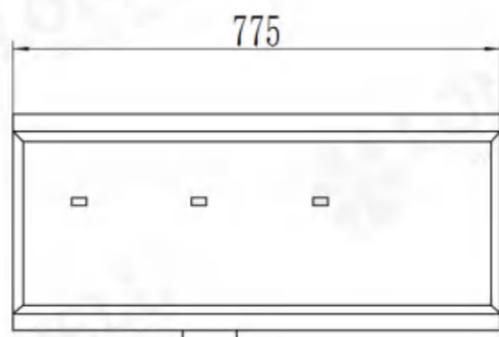
LWDA600S(T)-B05



LWDA600S(T)-B06

Technical Specifications

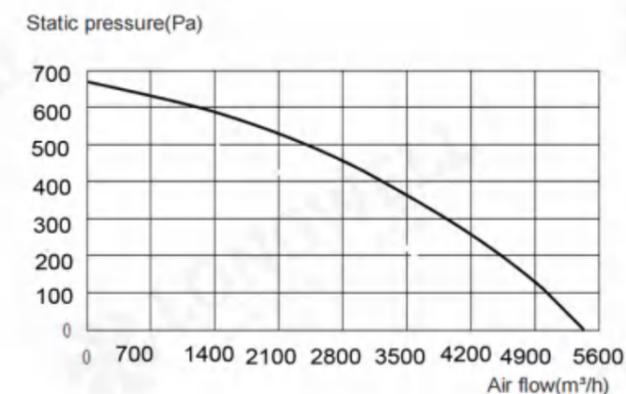
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA600S(T)-B04	220~50/380~50	3400	580	714	3.3/1.44	1390	70	600×350	175~262
LWDA600S(T)-B05	220~50/380~50	4100	500	780	3.6/1.56	1420	71	600×350	208~312
LWDA600S(T)-B06	220~50/380~50	2600	255	328	1.53/0.7	950	60	600×350	102~154



LWDA-700 Serise

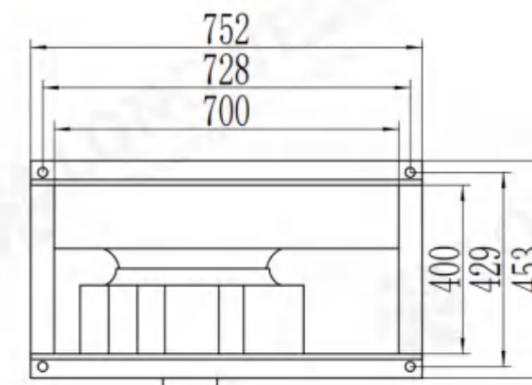
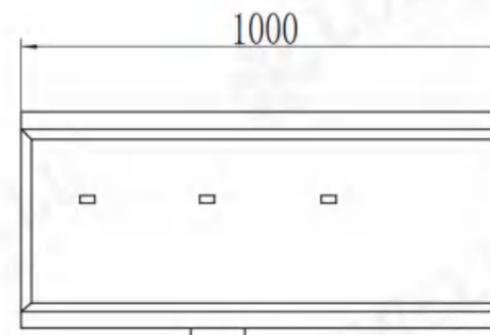
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

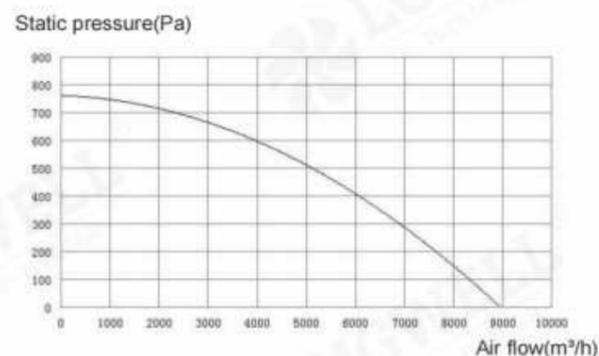
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA700S(T)-B01	220~50/380~50	5500	670	1100	5.15/2.17	1350	75	700×400	278~416



LWDA-800 Serie

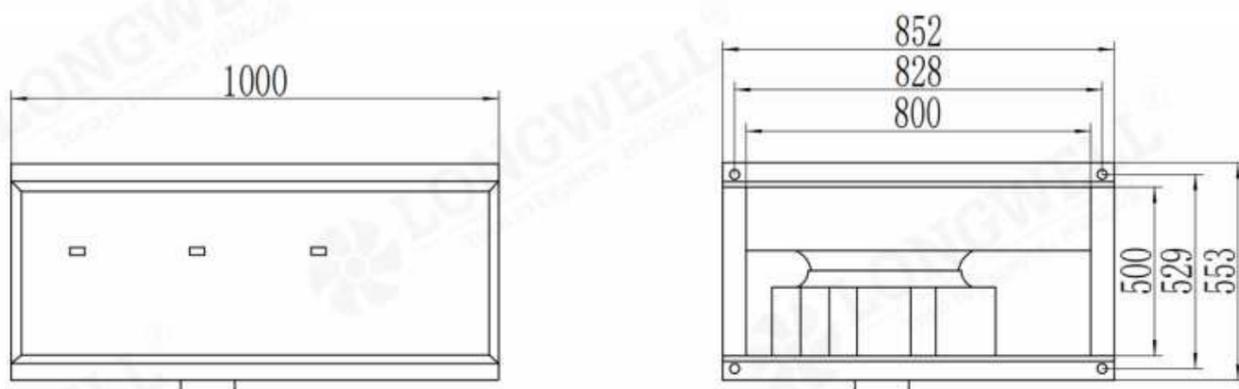
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20°C ~ +60°C



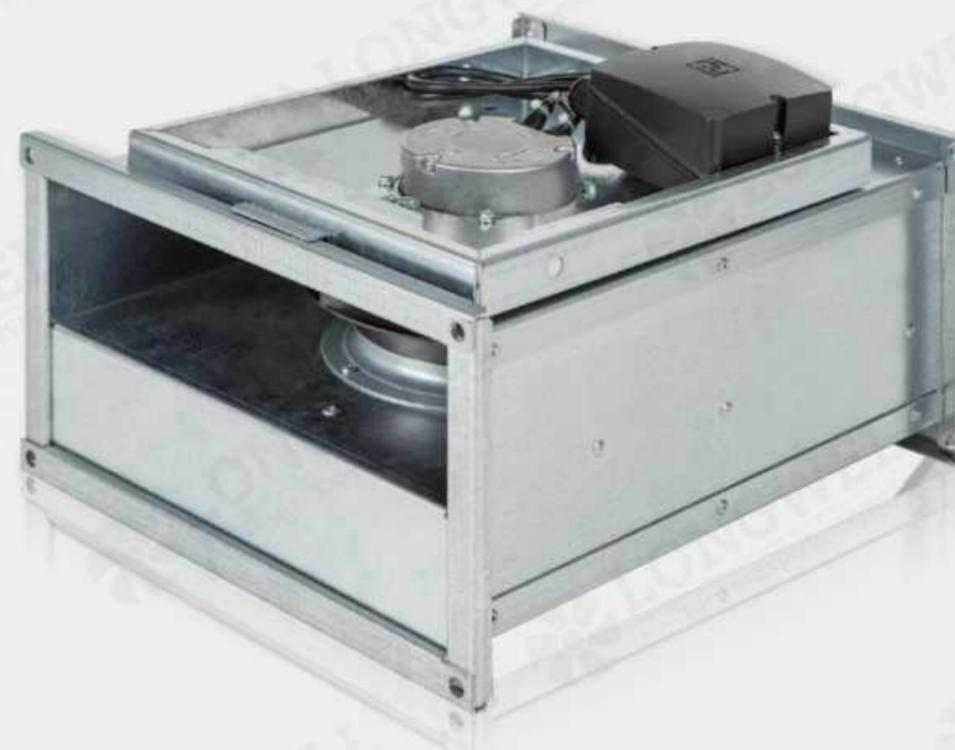
Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA800S(T)-B01	220~50/380~50	9000	770	2600	5.05	1350	80	800×500	444~666



Dual Backward Centrifugal Duct Fan

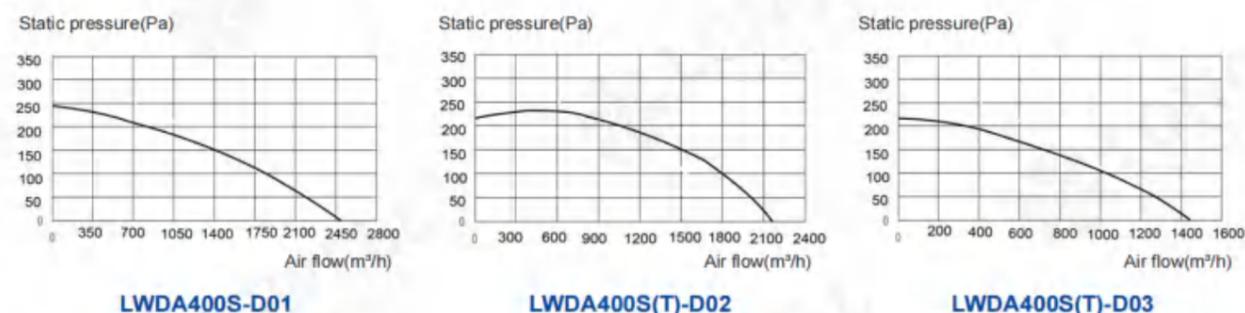
Professional HVAC Fan & Motors Manufacturer



LWDA-400 Serise

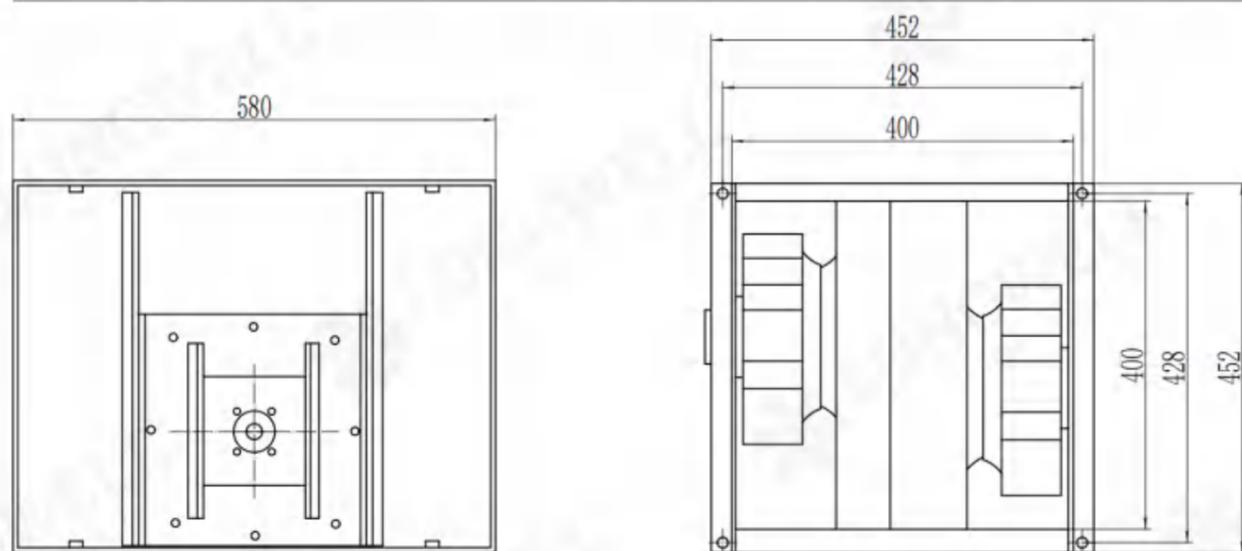
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

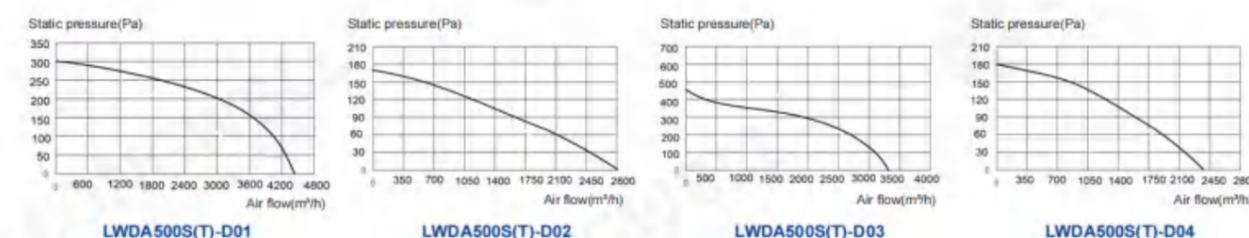
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA400S-D01	220~50	2500	245	294	1.4	1180	66	400×400	104~156
LWDA400S(T)-D02	220~50/380~50	2160	240	520	2.16/1.14	1390	67	400×400	110~166
LWDA400S(T)-D03	220~50/380~50	1460	215	294	1.4/0.72	800	62	400×400	66~100



LWDA-500 Serise

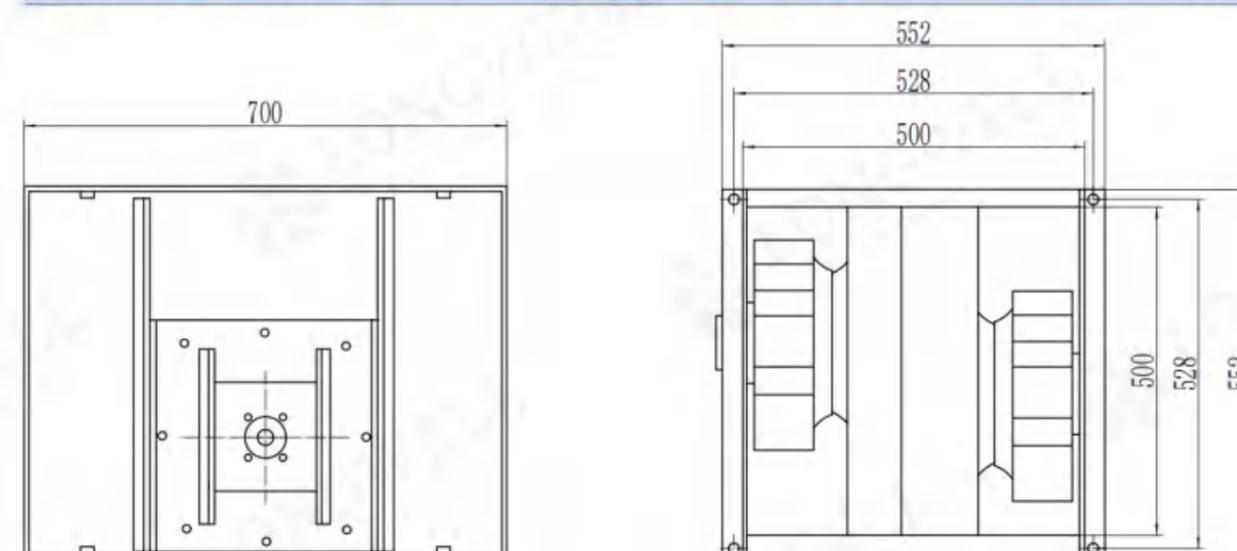
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

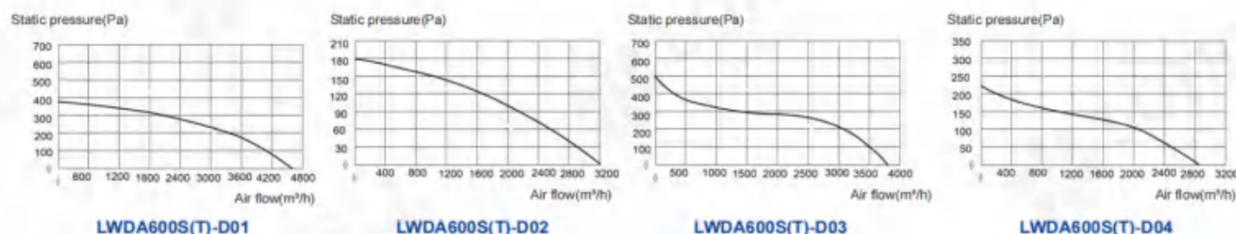
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA500S(T)-D01	220~50/380~50	4400	300	520	2.16/1.14	1380	68	500×500	210~316
LWDA500S(T)-D02	220~50/380~50	2800	170	320	1.6/0.76	950	60	500×500	88~132
LWDA500S(T)-D03	220~50/380~50	3240	450	1268	5.86/2.58	1430	68	500×500	166~250
LWDA500S(T)-D04	220~50/380~50	2300	180	656	3.06/1.4	950	63	500×500	110~166



LWDA-600 Serise

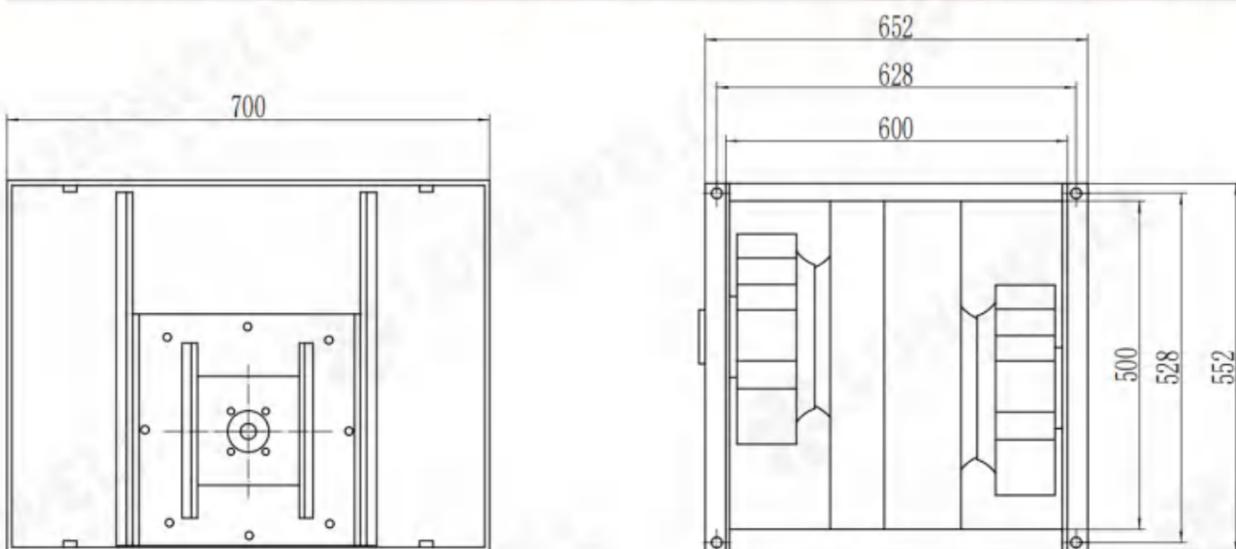
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

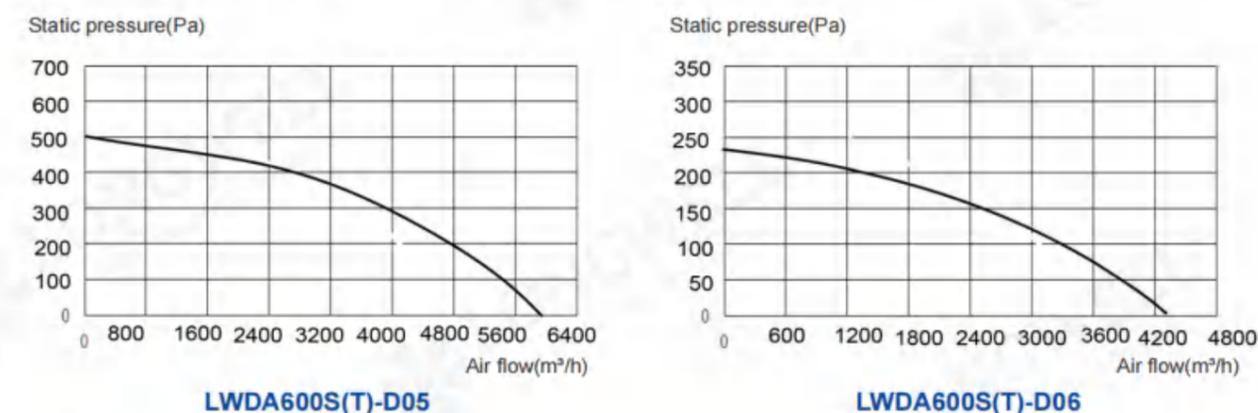
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA600S(T)-D01	220~50/380~50	4600	380	740	3.0/1.56	1380	68	600×500	232~350
LWDA600S(T)-D02	220~50/380~50	3200	180	360	1.7/0.84	960	60	600×500	110~166
LWDA600S(T)-D03	220~50/380~50	3840	500	1428	6.6/2.88	1410	70	600×500	200~300
LWDA600S(T)-D04	220~50/380~50	2880	220	656	3.06/1.4	930	65	600×500	120~180



LWDA-600 Serise

Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

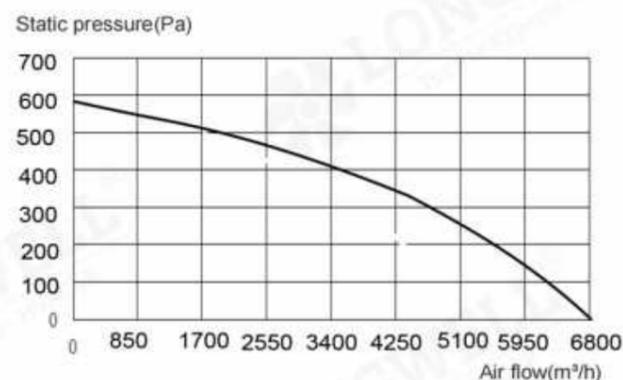
Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure(Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions(mm)	Applicable Area(m²)
LWDA600S(T)-D05	220~50/380~50	5900	500	1268	5.86/2.58	1380	71	600×600	300~450
LWDA600S(T)-D06	220~50/380~50	4300	230	656	3.06/1.4	950	62	600×600	178~266



LWDA-700 Serie

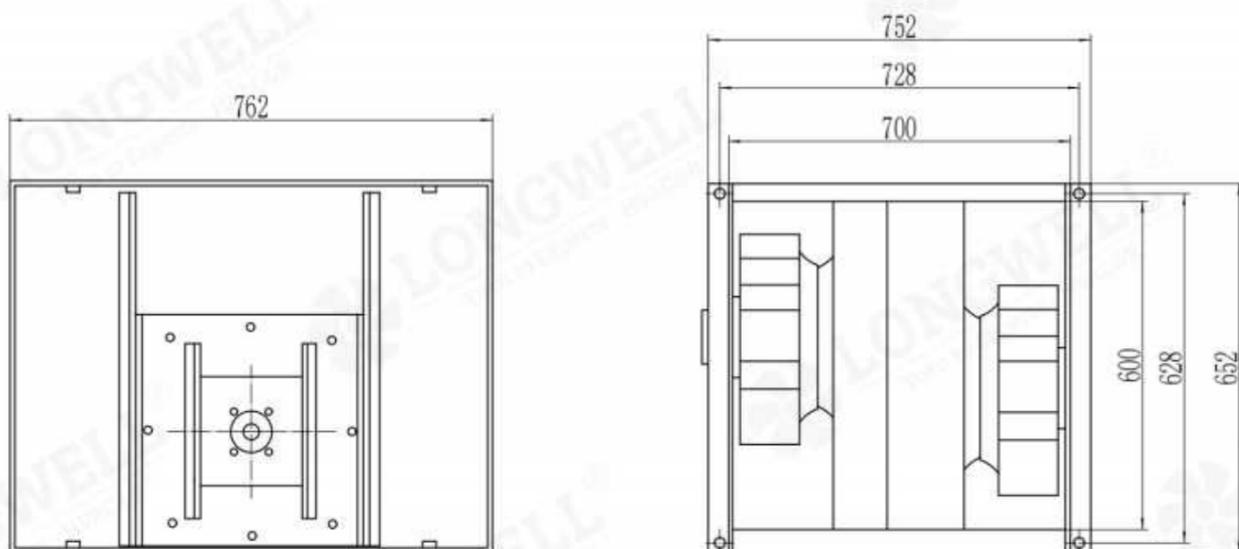
Product Characteristic

- Power Supply: 220V~50Hz/380V~50Hz
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -20 C ~ +60 C



Technical Specifications

Model	Power Supply (V/Hz)	Air Flow (m³/h)	Static Pressure (Pa)	Power (W)	Current (A)	Speed (RPM)	1M Noise [dB(A)]	Connection Dimensions (mm)	Applicable Area (m²)
LWDA700S(T)-D01	220~50/380~50	6800	580	1428	6.6/2.88	1380	73	700×600	350~524

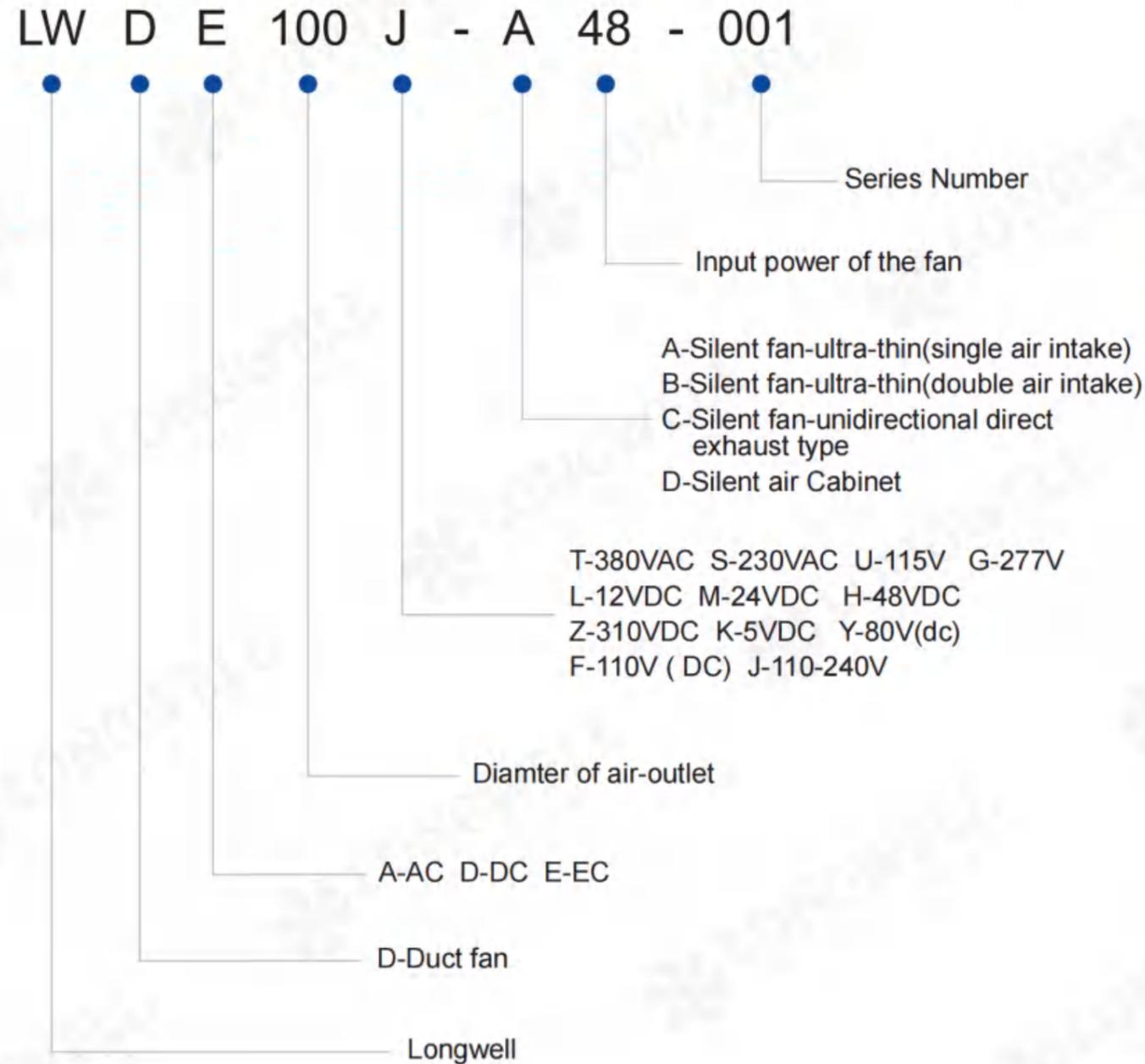


Ultra-Thin Silent Fan

Professional HVAC Fan & Motors Manufacturer



Type Code



EC Silent Fan-Ultra-Thin (Single Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities. It can be customized with various control methods according to the products in use, such as voltage speed regulation, PWM signal speed regulation, and pulse speed regulation. The air volume can be flexibly adjusted according to actual needs, enhancing the overall performance of the system. The all-metal box body is made of high-quality plates. The casing is integrally formed, which is not easy to deform or dent, and is not prone to corrosion or rust. Through structural optimization design, the overall height of the product has been reduced. The structure is exquisite and compact, making it suitable for more space-constrained places.



High wind pressure



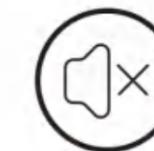
High air volume



Low power consumption



Long lifespan



Low noise



Protection grade IP44

Intelligent Controller

C4 Intelligent 86 Controller

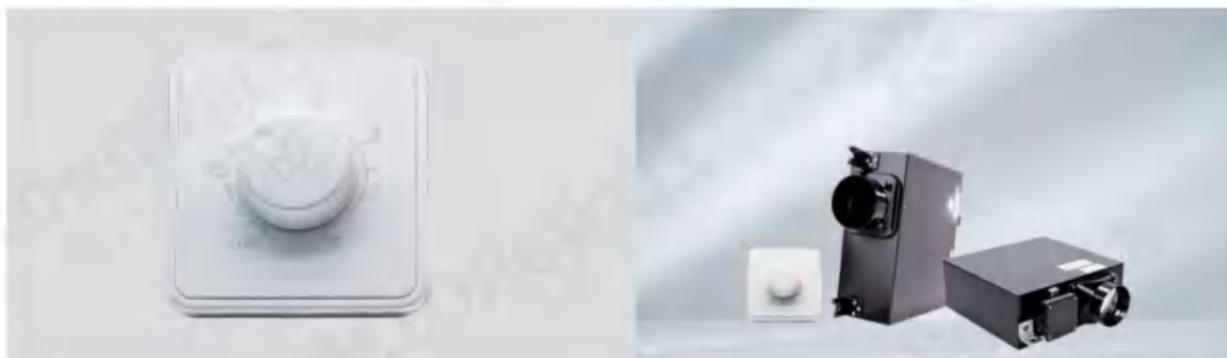


Temperature/humidity sensing function

Ten-speed speed regulation

- Outstanding performance: Temperature control accuracy ± 1 degree, self-consumption power less than 1w The frequency of the relay switch is greater than 100,000 times.
- Ten-speed wind adjustment: Adjust the air volume from 1 to 10 as you like.
- Intelligent detection: Real-time monitoring of spatial environmental temperature and humidity to make the environment more comfortable.

C5 86 Stepless Speed Controller



Rotary knob stepless speed regulation

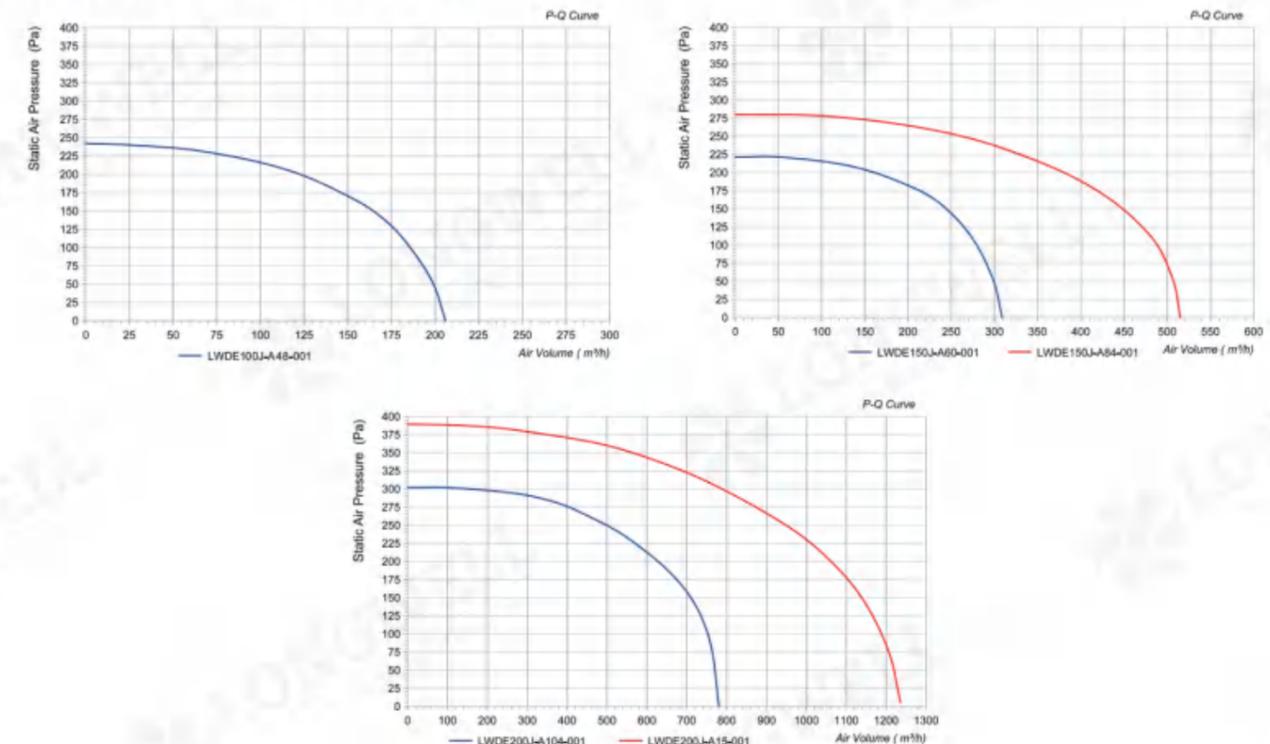
- Adjustment method: From small to large.
- Simple operation: Adjust the fan easily.
- Smooth and comfortable: The wind speed adjustment is stable and the noise control is low.
- Strong compatibility: Provide stable and reliable general solutions.

Product Parameters

Performance Parameter

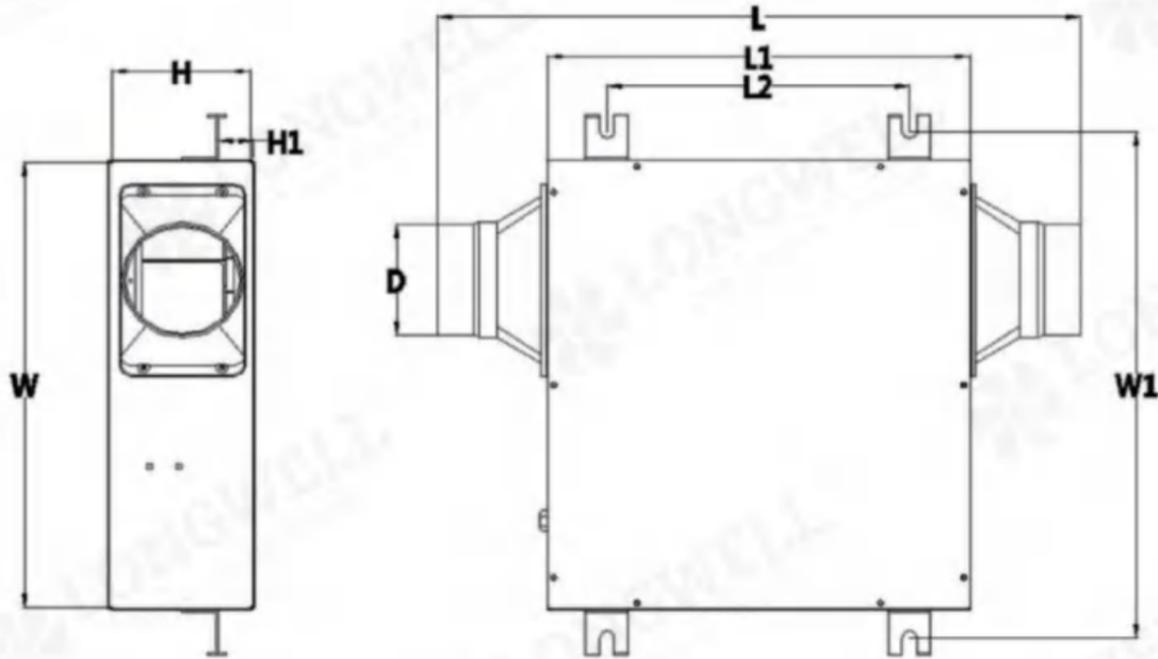
Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diameter of Air-Outlet (mm)	Applicable Area (m²)	Weight (kg)
LWDE100J-A48-001	110-240	48	206	242	25	100	8-15	6.5
LWDE150J-A60-001	110-240	60	309	221	30	150	20-25	8.4
LWDE150J-A84-001	110-240	84	515	280	34	150	25-30	8.8
LWDE200J-A104-001	110-240	104	781	302	38	200	40-47	10.5
LWDE200J-A135-001	110-240	135	1236	389	45	200	40-60	10.6
LWDE200J-A535-001	110-240	535	1545	433	43	200	85-150	17.5
LWDE250J-A565-001	110-240	565	2163	443	46	250	210-240	21.0
LWDE250J-A800-001	110-240	800	2678	546	46	250	240-270	22.0

Performance Curves



Product Parameters

Structure and Size(mm)



Unit (mm)

Model	L	L1	L2	W	W1	H	H1	ΦD
LWDE100J-A48-001	533	352	251	397	447	121	30	100
LWDE150J-A60-001	504	352	251	397	447	196	30	150
LWDE150J-A84-001	504	352	251	397	447	196	30	150
LWDE200J-A104-001	531	353	251	397	447	246	30	200
LWDE200J-A135-001	531	353	251	397	447	246	30	200
LWDE200J-A535-001	692	552	590	501	443	325	176.5	200
LWDE250J-A565-001	622	482	520	446	390	313	171.5	250
LWDE250J-A800-001	622	482	520	446	390	313	171.5	250



AC Silent Fan-Ultra-Thin (Single Air Intake)



Minimum 125mm body, save floor height. Suitable for all kinds of ceiling.



Multiple models available, standard, multi-hole models. Customised multi-hole models available on request.



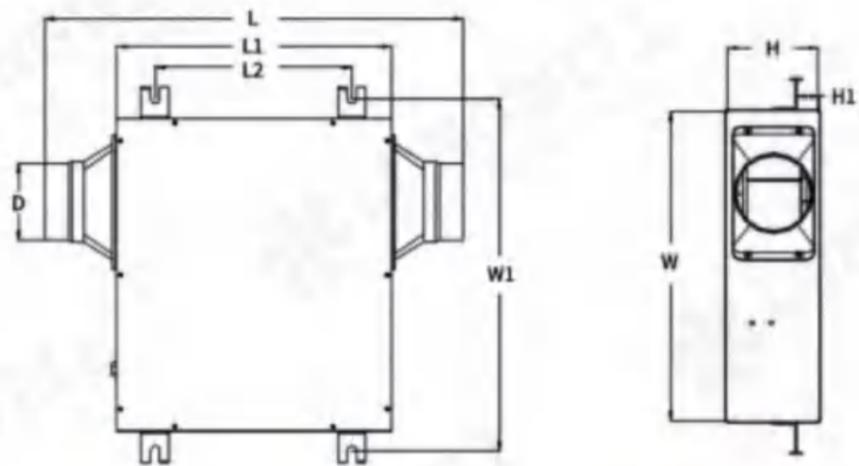
Two-speed adjustment, suitable for a variety of occasions. Multi-specification air volume can be selected.

Product Parameters

Performance Parameter

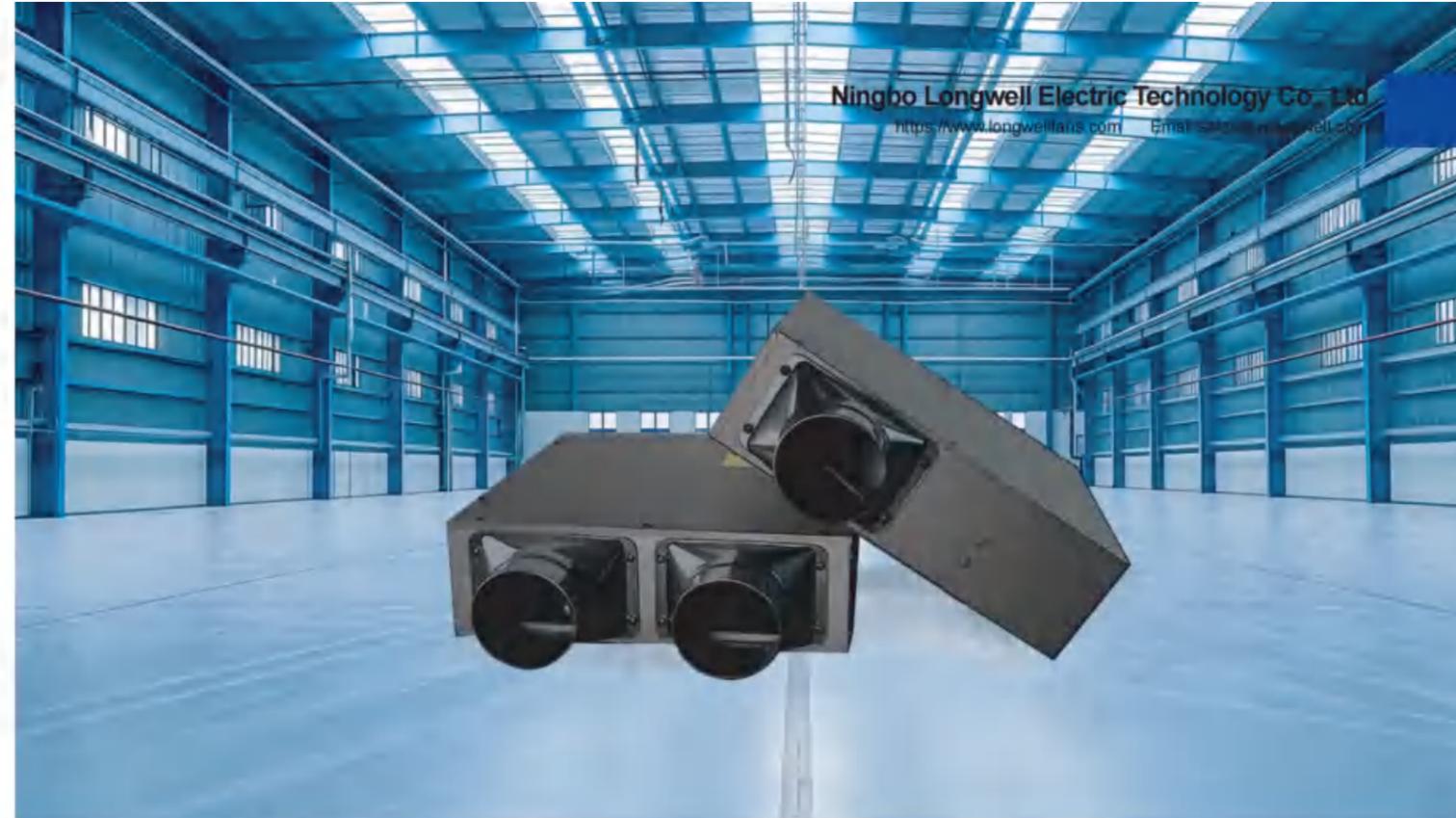
Model	Nozzle Diameter (mm)	Voltage (V)	Air Flow (m³/h)	Pressure (Pa)	Power (W)	Noise (dB(A))	Product Size (kg)
LWDA100S-A45/30-001	Φ100	220	230/180	160/150	45/30	25/22	490×400×125
LWDA150S-A60/45-001	Φ150	220	350/250	220/205	60/45	30/28	495×400×200
LWDA150S-A75/55-001	Φ150	220	500/420	260/235	75/55	34/33	495×400×200
LWDA200S-A85/75-001	Φ200	220	920/700	365/306	85/75	38/36	535×400×252
LWDA200S-A130/115-001	Φ200	220	1200/1050	410/398	130/115	45/43	535×400×252

Structure and Size(mm)



Unit (mm)

Model	L	L1	L2	W	W1	H	H1	D
LWDA100S-A45/30-001	490	354	280	400	445	125	53	98
LWDA150S-A60/45-001	495	354	280	400	445	200	85	148
LWDA150S-A75/55-001	495	354	280	400	445	200	85	148
LWDA200S-A85/75-001	535	354	280	400	445	252	170	198
LWDA200S-A130/115-001	535	354	280	400	445	252	170	198



EC Silent Fan -Ultra-Thin (Double Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities. It can be customized with various control methods according to the products in use, such as voltage speed regulation, PWM signal speed regulation, and pulse speed regulation. The air volume can be flexibly adjusted according to actual needs, enhancing the overall performance of the system. The all-metal box body is made of high-quality plates. The casing is integrally formed, which is not easy to deform or dent, and is not prone to corrosion or rust. Through structural optimization design, the overall height of the product has been reduced. The structure is exquisite and compact, making it suitable for more space-constrained places.



High wind pressure



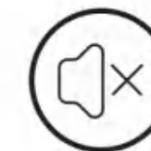
High air volume



Low power consumption



Long lifespan



Low noise



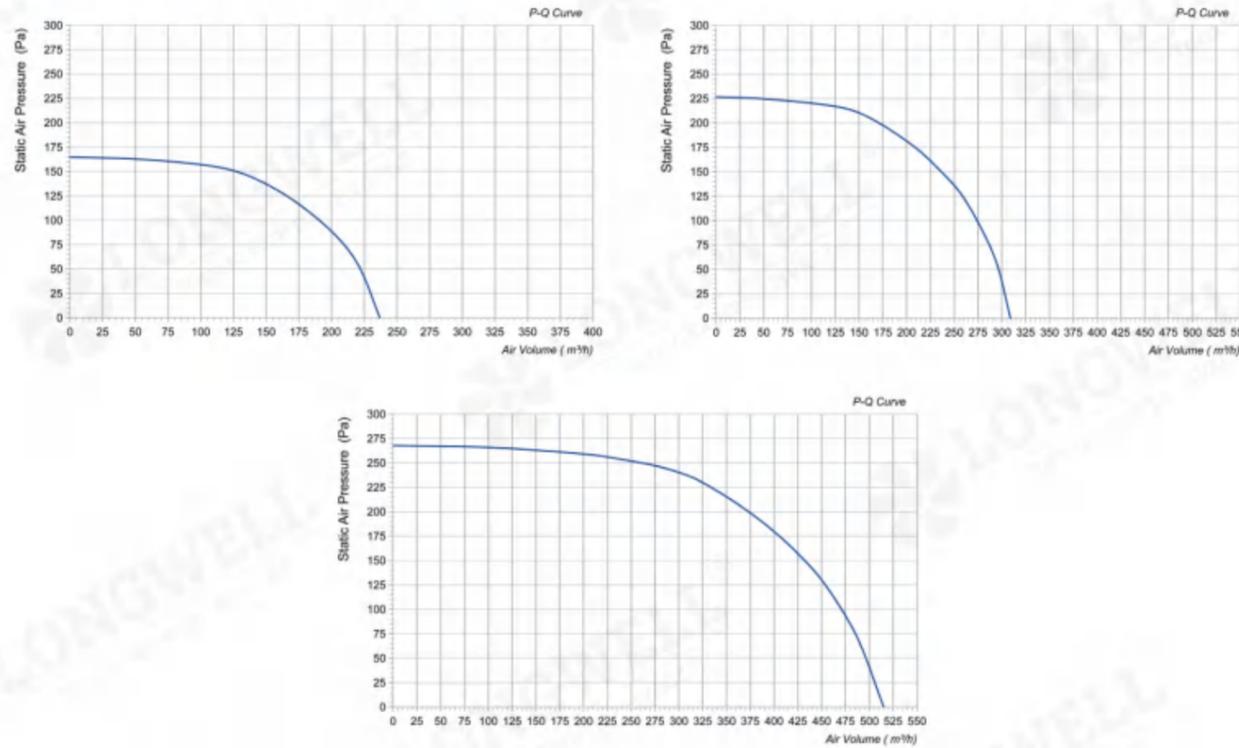
Protection grade IP44

Product Parameters

Performance Parameter

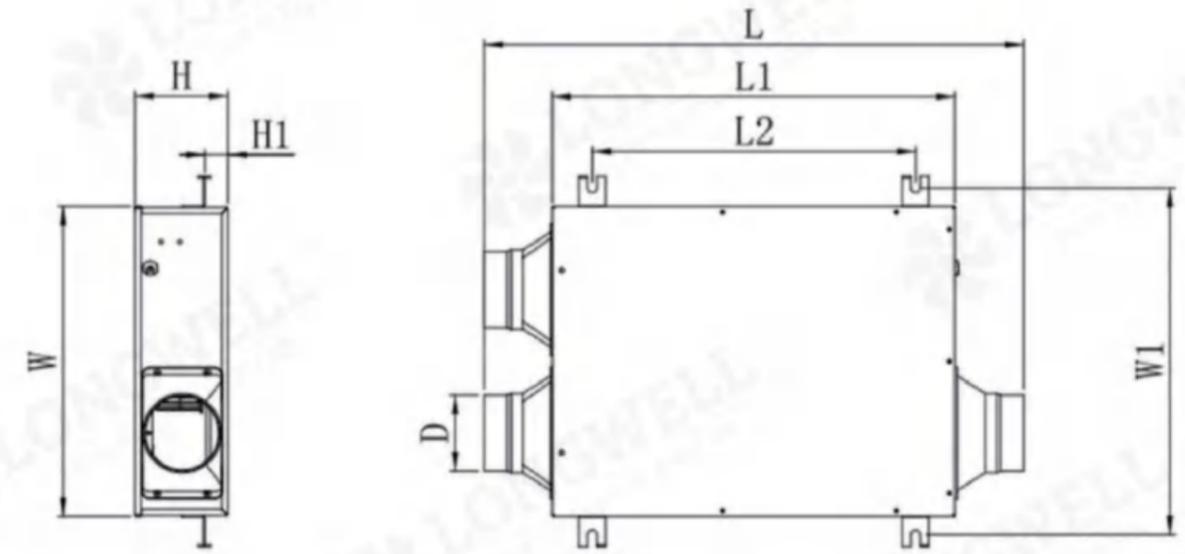
Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diameter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDE100J-B48-001	110-240	48	237	165	25	100	8-15	6.5
LWDE150J-B60-001	110-240	60	309	227	30	150	20-25	8.4
LWDE150J-B84-001	110-240	84	515	268	34	150	25-30	8.8

Performance Curves



Product Parameters

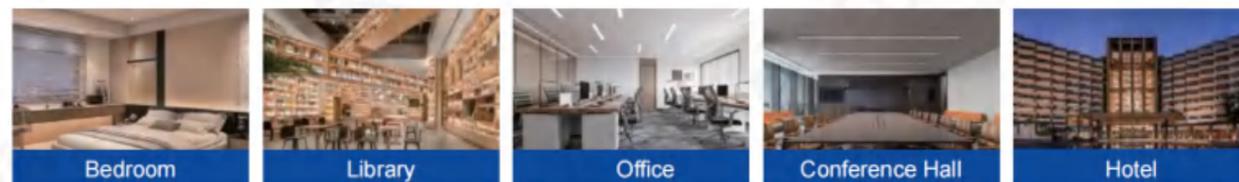
Structure and Size(mm)



Model	L	L1	L2	W	W1	H	H1	ΦD
LWDE100J-B48-001	580	403	300	400	437	121	30	100
LWDE150J-B60-001	551	403	300	400	437	196	30	150
LWDE150J-B84-001	551	403	300	400	437	196	30	150

Unit (mm)

Application Site



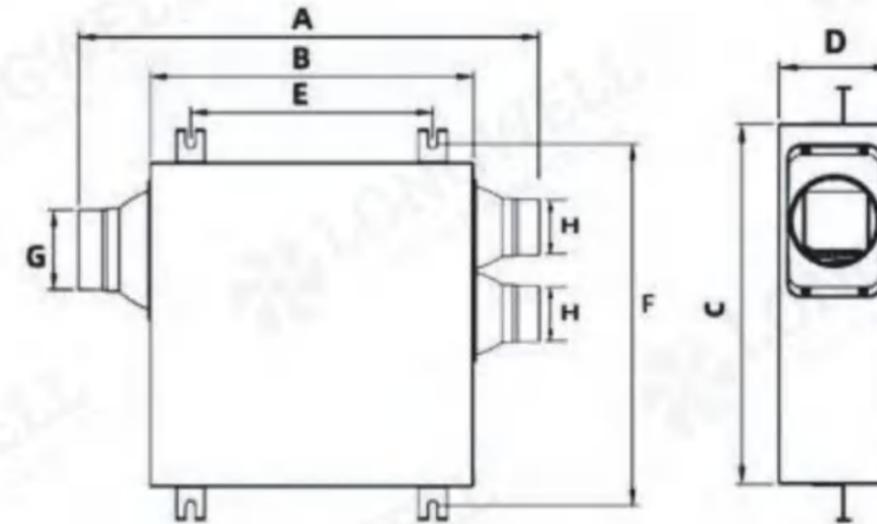


Product Parameters

Performance Parameter

Model	Nozzle Diameter (mm)	Voltage (V)	Air Flow (m³/h)	Pressure (Pa)	Power (W)	Noise (dB(A))	Product Size (kg)
LWDA100S-B45/30-001	Φ100	220	230/180	160/150	45/30	25/22	470×400×125
LWDA150S-B60/45-001	Φ150	220	350/250	220/205	60/45	30/28	520×400×200

Structure and Size(mm)



AC Silent Fan -Ultra-Thin (Double Air Intake)

1. This series of equipment is suitable for apartments, villas, hotels, shopping malls, entertainment venues and residential places.
2. One device supports the centralized ventilation function of multiple areas, which is widely used in real estate buildings, including indoor ventilation and ventilation and pipeline air supply and pressure.



- Exhaust duct
- Ceiling duct ventilation fan
- Ultra - Thin Silent Duct Fans

Model	Unit (mm)								
	A	B	C	D	E	F	G	H	
LWDA100S-B45/30-001	470	354	400	125	280	445	98	75	
LWDA150S-B60/45-001	520	354	400	200	280	445	148	98	

One-way Straight Line Type Silent Fan

Professional HVAC Fan & Motors Manufacturer



Note: The body has an air outlet diameter of 100-200 meters and is equipped with a check valve to prevent backflow of return air.

EC Silent Fan-Unidirectional Direct Exhaust Type

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities. It can be customized with various control methods according to the products in use, such as voltage speed regulation, PWM signal speed regulation, and pulse speed regulation. The air volume can be flexibly adjusted according to actual needs, enhancing the overall performance of the system. The all-metal box body is made of high-quality plates. The casing is integrally formed, which is not easy to deform or dent, and is not prone to corrosion or rust. Through structural optimization design, the overall height of the product has been reduced. The structure is exquisite and compact, making it suitable for more space-constrained places.



High wind pressure



High air volume



Low power consumption



Long lifespan



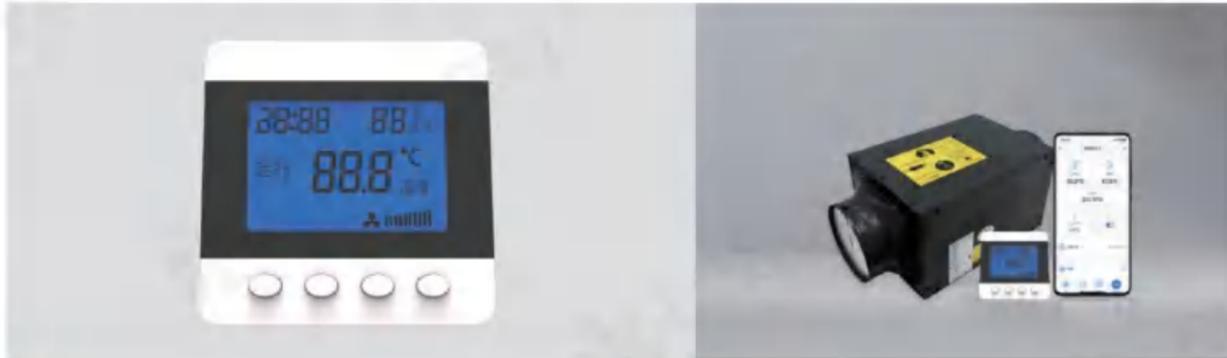
Low noise



Protection grade IP44

Intelligent Controller

C4 Intelligent 86 Controller



Temperature/humidity sensing function

Ten-speed speed regulation

- Outstanding performance: Temperature control accuracy ± 1 degree, self-consumption power less than 1w The frequency of the relay switch is greater than 100,000 times.
- Ten-speed wind adjustment: Adjust the air volume from 1 to 10 as you like.
- Intelligent detection: Real-time monitoring of spatial environmental temperature and humidity to make the environment more comfortable.

C5 86 Stepless Speed Controller



Rotary knob stepless speed regulation

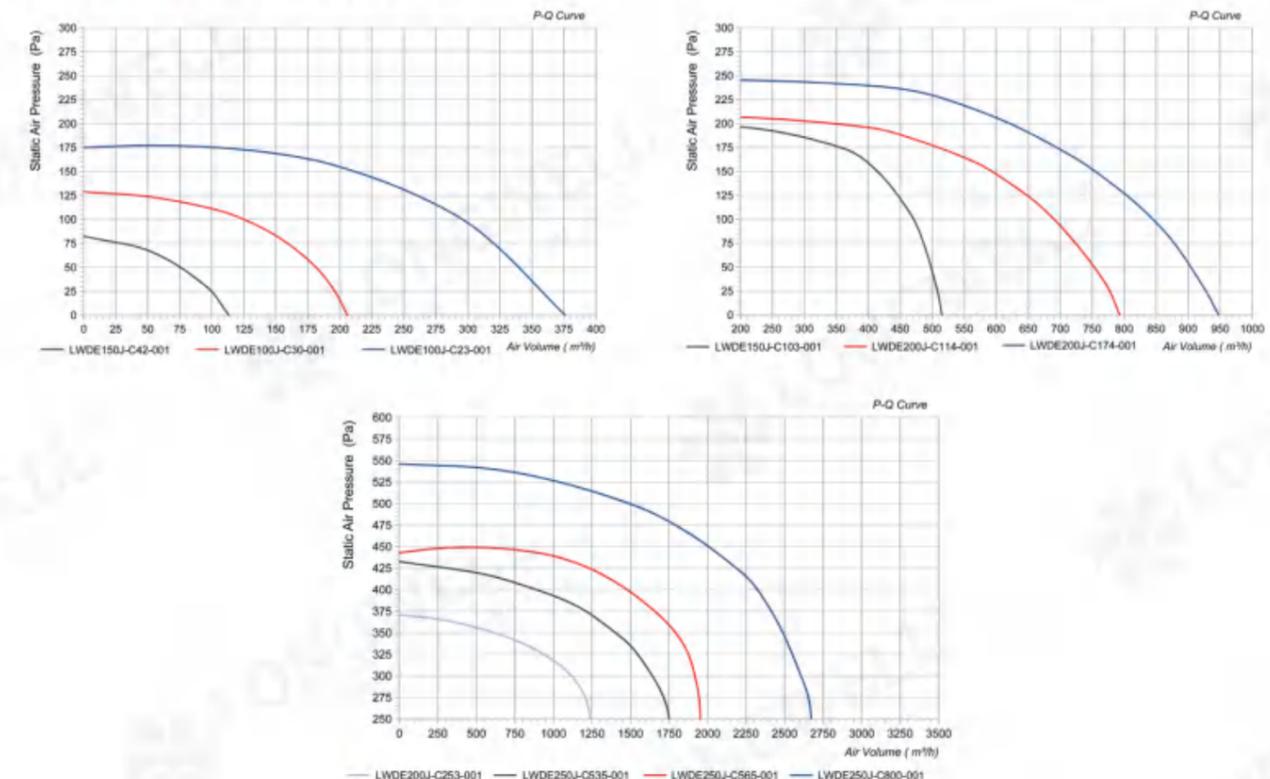
- Adjustment method: From small to large.
- Simple operation: Adjust the fan easily.
- Smooth and comfortable: The wind speed adjustment is stable and the noise control is low.
- Strong compatibility: Provide stable and reliable general solutions.

Product Parameters

Performance Parameter

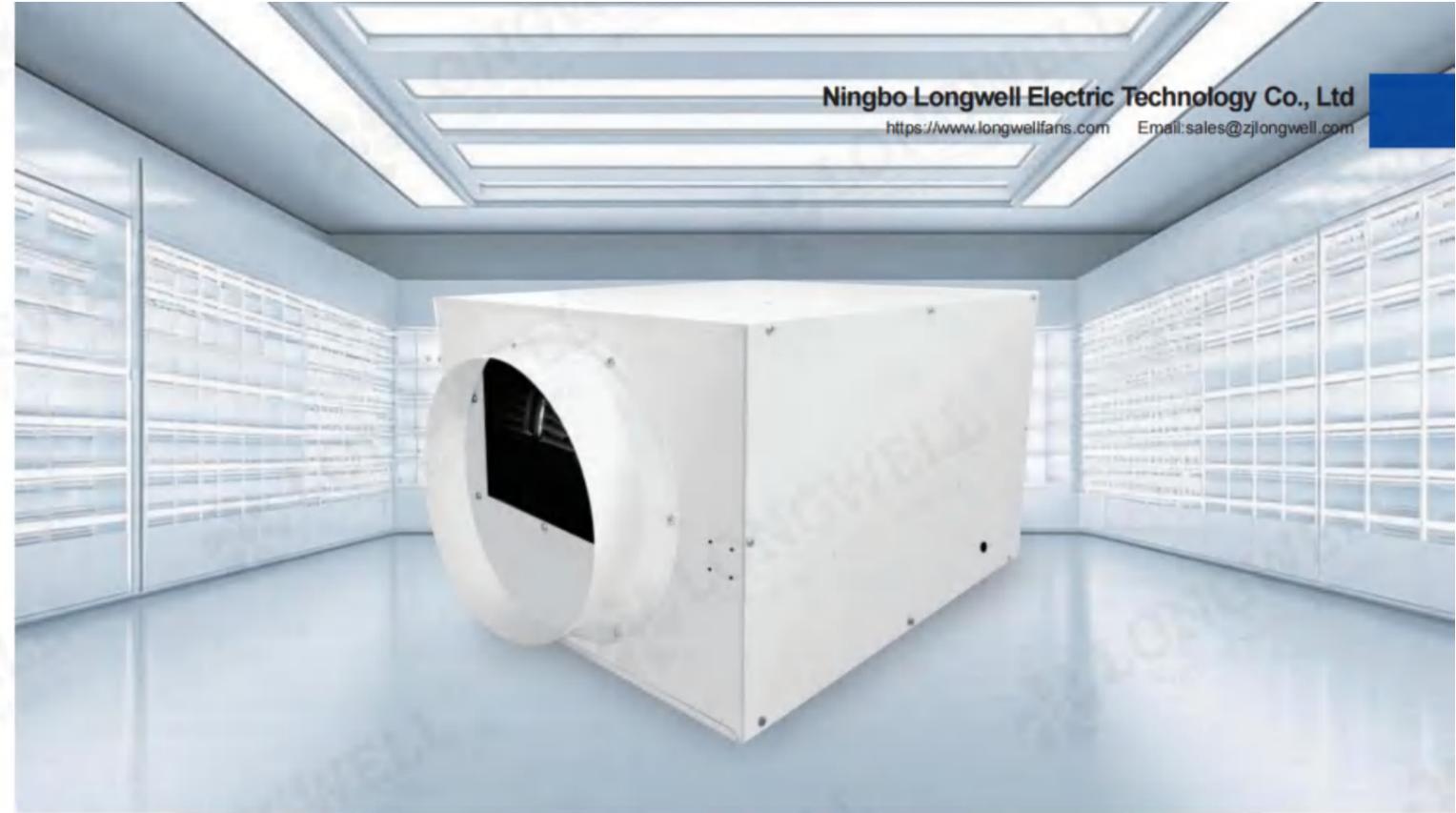
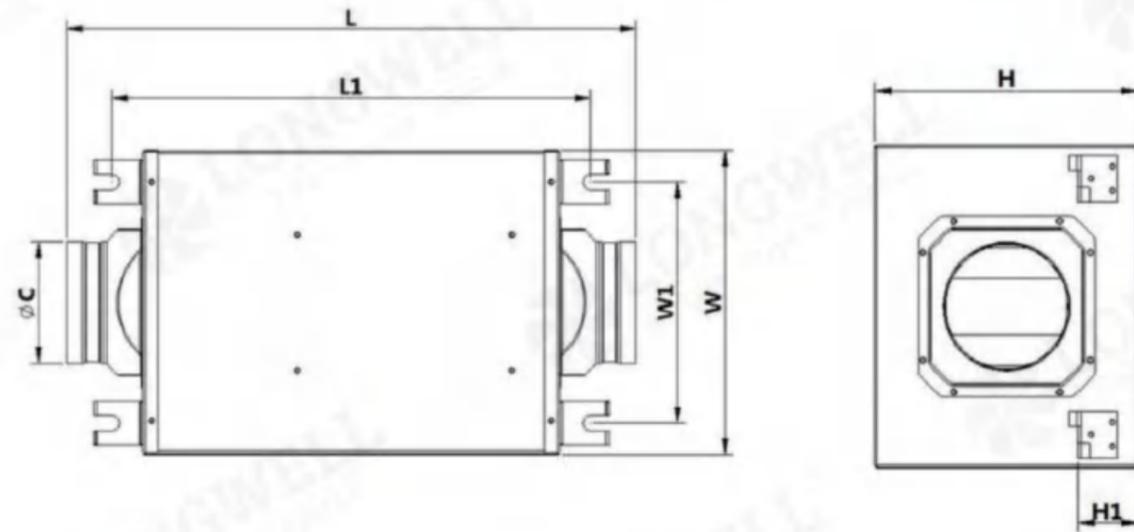
Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diameter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDE100J-C23-001	110-240	23	103	82	20	100	4-8	6.1
LWDE100J-C30-001	110-240	30	206	129	23	100	8-13	6.2
LWDE150J-C42-001	110-240	42	371	165	27	150	20-25	7.4
LWDE150J-C103-001	110-240	103	515	196	29	150	25-28	10
LWDE200J-C114-001	110-240	114	793	206	35	200	28-40	11.4
LWDE200J-C174-001	110-240	174	948	247	37	200	40-50	16
LWDE200J-C253-001	110-240	253	1236	371	41	200	58-75	19
LWDE250J-C535-001	110-240	535	1751	433	43	250	85-150	19.5
LWDE250J-C565-001	110-240	565	1957	443	46	250	210-240	23
LWDE250J-C800-001	110-240	800	2678	546	46	250	240-270	24

Performance Curves



Product Parameters

Structure and Size(mm)



AC Silent Fan-Unidirectional Direct Exhaust Type

Unit (mm)

Model	L	L1	W	W1	H	H1	ΦC
LWDE100J-C23-001	462	388	240	180	200	45	96
LWDE100J-C30-001	462	388	240	180	200	45	96
LWDE150J-C42-001	488	388	240	186	238	40	148
LWDE150J-C103-001	540	440	270	210	280	51	148
LWDE200J-C114-001	562	470	340	270	282	52	198
LWDE200J-C174-001	632	540	370	270	320	71	198
LWDE200J-C253-001	662	570	401	300	365	94	198
LWDE250J-C535-001	662	570	401	300	365	94	250
LWDE250J-C565-001	732	640	401	340	380	61	250
LWDE250J-C800-001	732	640	401	340	380	61	250



Multiple sizes and air volumes available to match a variety of scenarios and needs.



Multiple noise reduction technology, minimum 20dB, truly quiet and low noise.



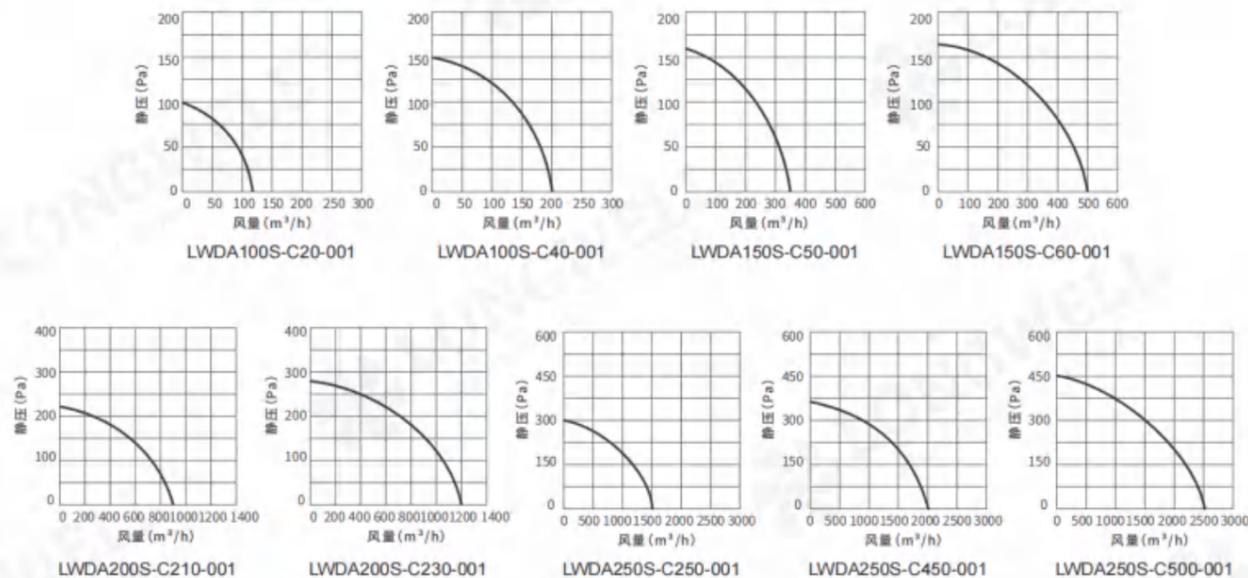
Fully galvanized body, electrostatic powder coating process. Beautiful appearance, anti-corrosion and wear-resistant.

Product Parameters

Performance Parameter

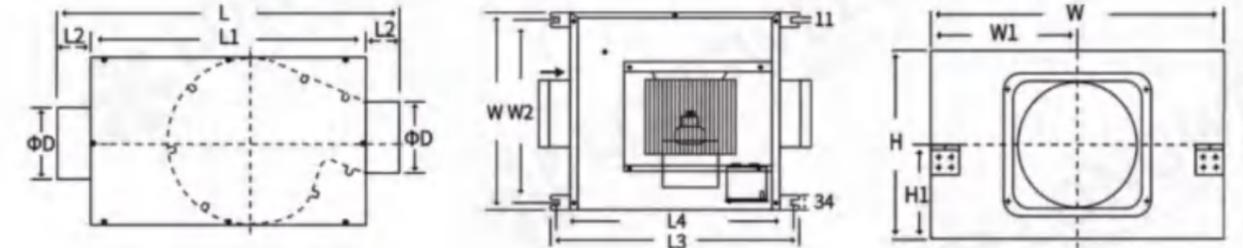
Model	Nozzle Diameter (mm)	Voltage (V)	Air Flow (m³/h)	Pressure (Pa)	Power (W)	Noise (dB(A))	Product Size (kg)
LWDA100S-C20-001	Φ100	220	120	100	20	20	420×290×175
LWDA100S-C40-001	Φ100	220	200	150	40	23	420×290×175
LWDA150S-C50-001	Φ150	220	350	160	50	26	440×300×190
LWDA150S-C60-001	Φ150	220	500	170	60	30	500×360×225
LWDA200S-C210-001	Φ200	220	900	220	210	36	580×380×280
LWDA200S-C230-001	Φ200	220	1200	280	230	41	580×380×280
LWDA250S-C250-001	Φ250	220	1500	300	250	42	660×420×320
LWDA250S-C450-001	Φ250	220	2000	350	450	45	660×420×320
LWDA250S-C500-001	Φ250	220	2500	450	500	50	700×560×335

Performance Curves



Product Parameters

Structure and Size(mm)



Unit (mm)

Model	L	L1	L2	L3	L4	W	W1	W2	H	H1	D
LWDA100S-C20-001	420	290	65	380	330	290	145	252	175	87	100
LWDA100S-C40-001	420	290	65	380	330	290	145	252	175	87	100
LWDA150S-C50-001	440	300	70	390	340	300	150	262	190	97	150
LWDA150S-C60-001	500	360	70	450	400	360	180	322	225	127	150
LWDA200S-C210-001	580	440	70	530	480	390	185	342	280	140	200
LWDA200S-C230-001	580	440	70	530	480	390	185	342	280	140	200
LWDA250S-C250-001	660	520	70	610	560	420	210	382	320	160	250
LWDA250S-C450-001	660	520	70	610	560	420	210	382	320	160	250
LWDA250S-C500-001	700	560	70	650	600	560	280	472	335	168	250

Selection Guide

1. This series of equipment is suitable for apartments, villas, hotels, shopping malls, entertainment venues and residential places.
2. One device supports the centralized ventilation function of multiple areas, which is widely used in real estate buildings, including indoor ventilation and ventilation and pipeline air supply and pressure.



-  Exhaust duct
-  Ceiling duct ventilation fan
-  Silent Duct Fans

Split Duct Fan

Professional HVAC Fan & Motors Manufacturer





Silent Fan-Split Type (Single Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities. It can be customized with various control methods according to the products in use, such as voltage speed regulation, PWM signal speed regulation, and pulse speed regulation. The air volume can be flexibly adjusted according to actual needs, enhancing the overall performance of the system. The all-metal box body is made of high-quality plates. The casing is integrally formed, which is not easy to deform or dent, and is not prone to corrosion or rust. Circulating fresh air purifies the environment, expels polluted air, sucks away odorous gases, and removes floating dust in the environment.



High wind pressure



High air volume



Low power consumption



Long lifespan



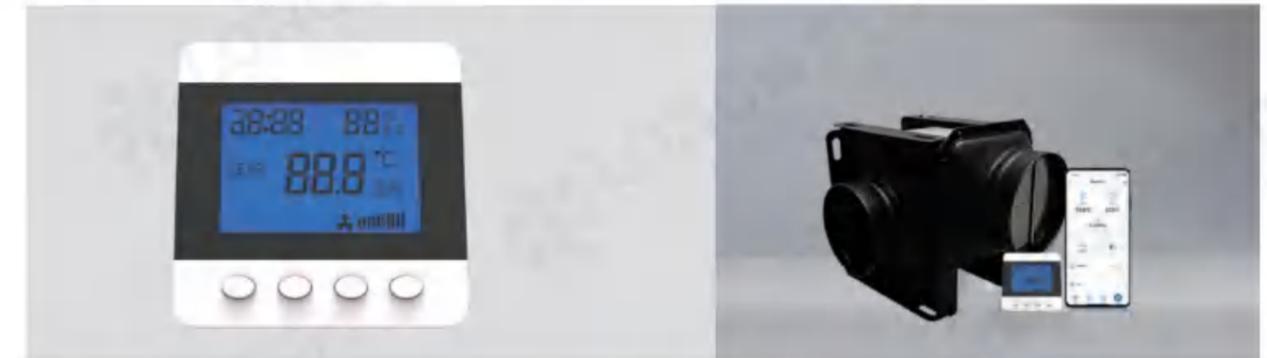
Low noise



Protection grade IP44

Intelligent Controller

C4 Intelligent 86 Controller



 Temperature/humidity sensing function

 Ten-speed speed regulation

- Outstanding performance: Temperature control accuracy ± 1 degree, self-consumption power less than 1w. The frequency of the relay switch is greater than 100,000 times.
- Ten-speed wind adjustment: Adjust the air volume from 1 to 10 as you like.
- Intelligent detection: Real-time monitoring of spatial environmental temperature and humidity to make the environment more comfortable.

C5 86 Stepless Speed Controller



 Rotary knob stepless speed regulation

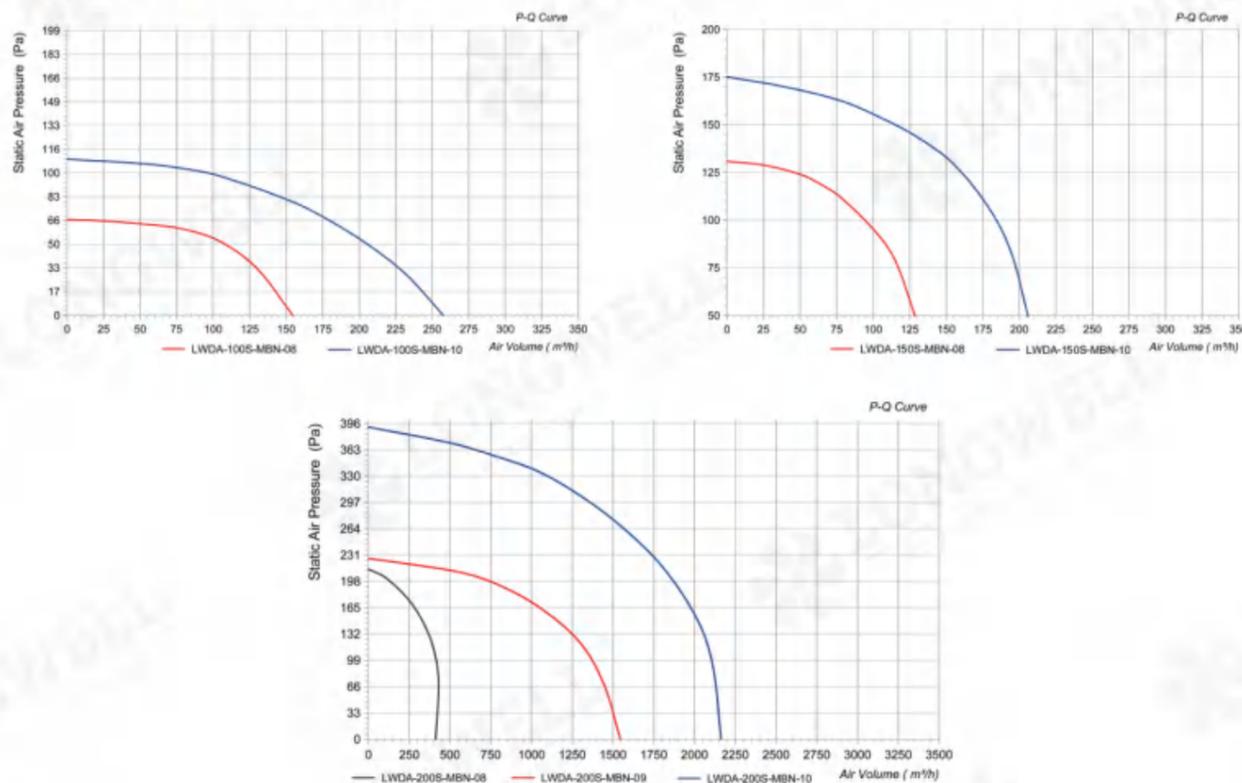
- Adjustment method: From small to large.
- Simple operation: Adjust the fan easily.
- Smooth and comfortable: The wind speed adjustment is stable and the noise control is low.
- Strong compatibility: Provide stable and reliable general solutions.

Product Parameters

Performance Parameter

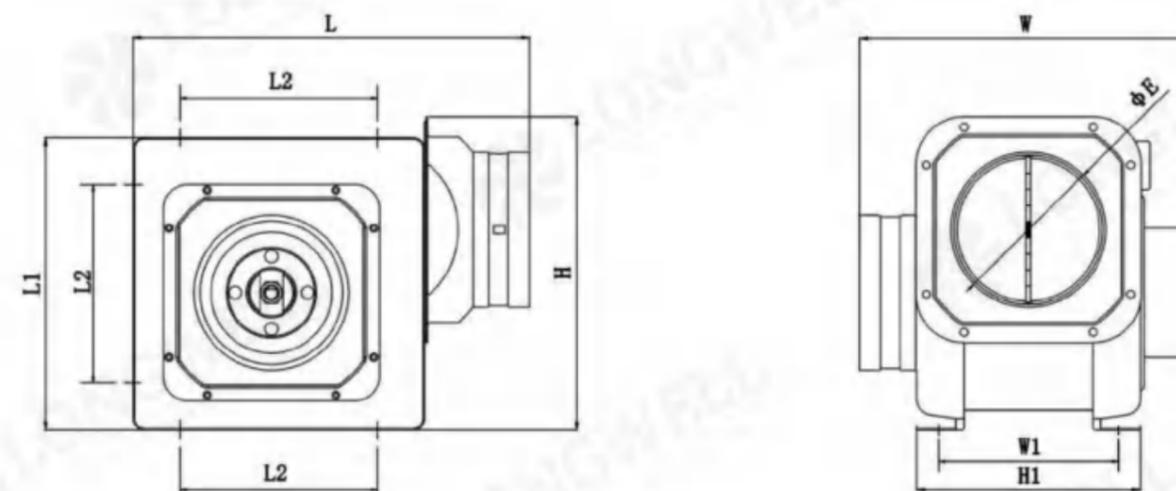
Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diameter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDA-100S-MBN-08	110-240	28	155	67	40	100	6-10	2.3
LWDA-100S-MBN-09	110-240	25	155	67	38	100	10-12	2.0
LWDA-100S-MBN-10	110-240	30	258	109	45	100	10-12	2.3
LWDA-100S-MBN-11	110-240	30	258	109	40	100	10-12	2.2
LWDA-150S-MBN-08	110-240	33	129	131	42	150	10-25	3.5
LWDA-150S-MBN-09	110-240	33	391	131	41	150	10-25	3.3
LWDA-150S-MBN-10	110-240	70	206	175	46	150	10-25	4.6
LWDA-200S-MBN-08	110-240	120	412	213	48	200	25-38	7.8
LWDA-200S-MBN-09	110-240	190	1545	227	52	200	48-80	8.5
LWDA-200S-MBN-10	110-240	270	2163	391	62	200	80-90	10.5

Performance Curves



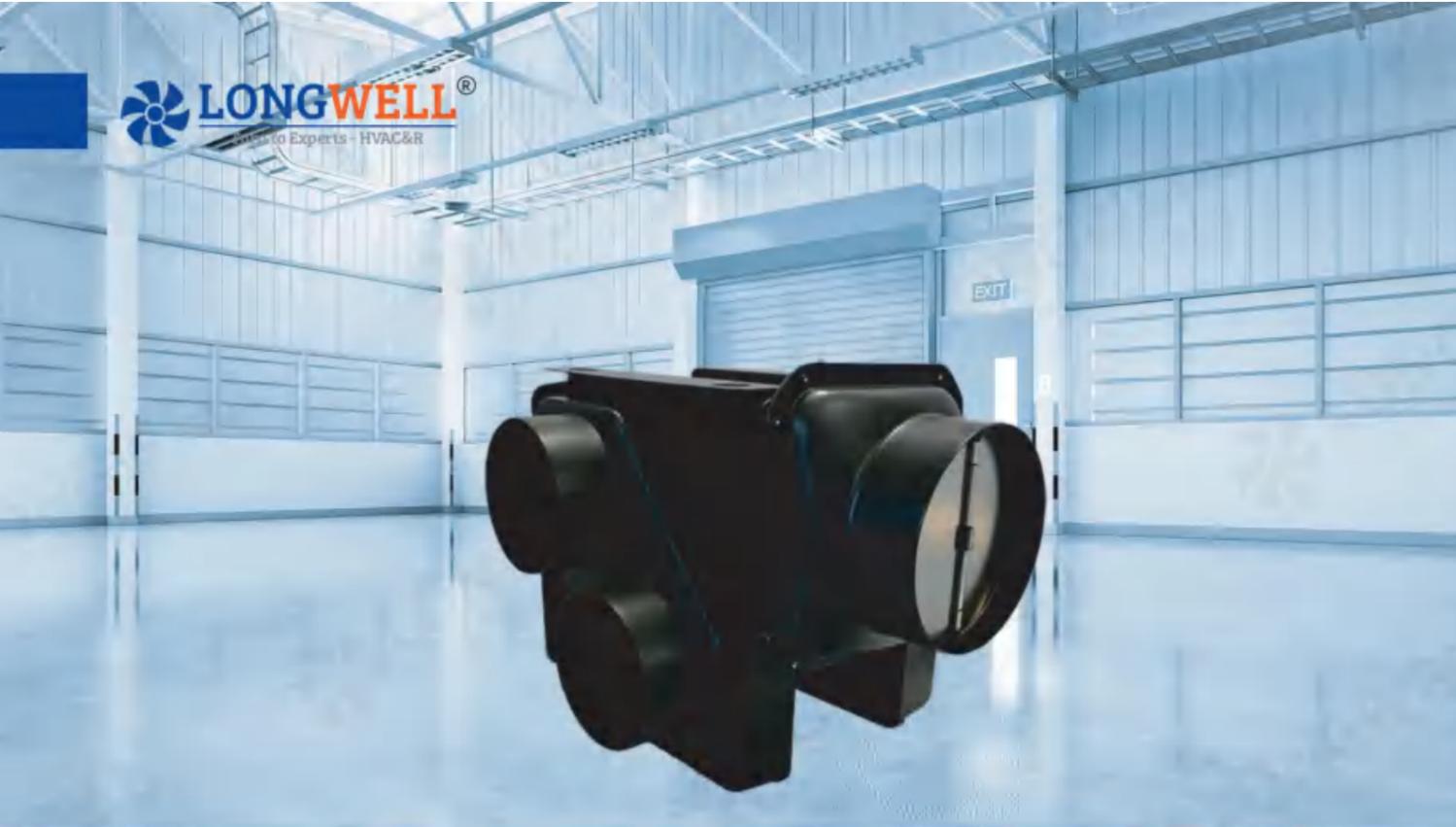
Product Parameters

Structure and Size(mm)



Unit (mm)

Model	L	L1	L2	W	W1	H	H1	ΦE	I
LWDA-100S-MBN-08	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-09	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-10	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-11	246	181	122.5	206	111.5	194	139	98	98
LWDA-150S-MBN-08	306	230	122.5	247	141.5	259	176	150	150
LWDA-150S-MBN-09	306	230	122.5	247	141.5	259	176	150	150
LWDA-150S-MBN-10	329	252	142	235	150.5	272	176	150	150
LWDA-200S-MBN-08	369	297	170	290	185.5	325	220	200	200
LWDA-200S-MBN-09	369	297	170	290	185.5	325	220	200	200
LWDA-200S-MBN-10	403	331	198	323	226	362	295	200	200



Product Parameters

Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diameter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDA-100S-MBN-12	110-240	28	206	77	38	80 in 100 out	7-15	2.3
LWDA-100S-MBN-13	110-240	25	165	77	38	80 in 100 out	7-15	2.3
LWDA-100S-MBN-14	110-240	30	273	106	43	80 in 100 out	7-15	2.6
LWDA-100S-MBN-15	110-240	30	206	206	43	80 in 100 out	7-15	2.5
LWDA-150S-MBN-11	110-240	33	410	144	52	100 in 150 out	7-15	4.6
LWDA-150S-MBN-12	110-240	33	309	412	41	100 in 150 out	10-25	4.3

Silent Fan -Split Type (Double Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities. It can be customized with various control methods according to the products in use, such as voltage speed regulation, PWM signal speed regulation, and pulse speed regulation. The air volume can be flexibly adjusted according to actual needs, enhancing the overall performance of the system. The all-metal box body is made of high-quality plates. The casing is integrally formed, which is not easy to deform or dent, and is not prone to corrosion or rust. Through structural optimization design, the overall height of the product has been reduced. The structure is exquisite and compact, making it suitable for more space-constrained places.



High wind pressure



High air volume



Low power consumption



Long lifespan

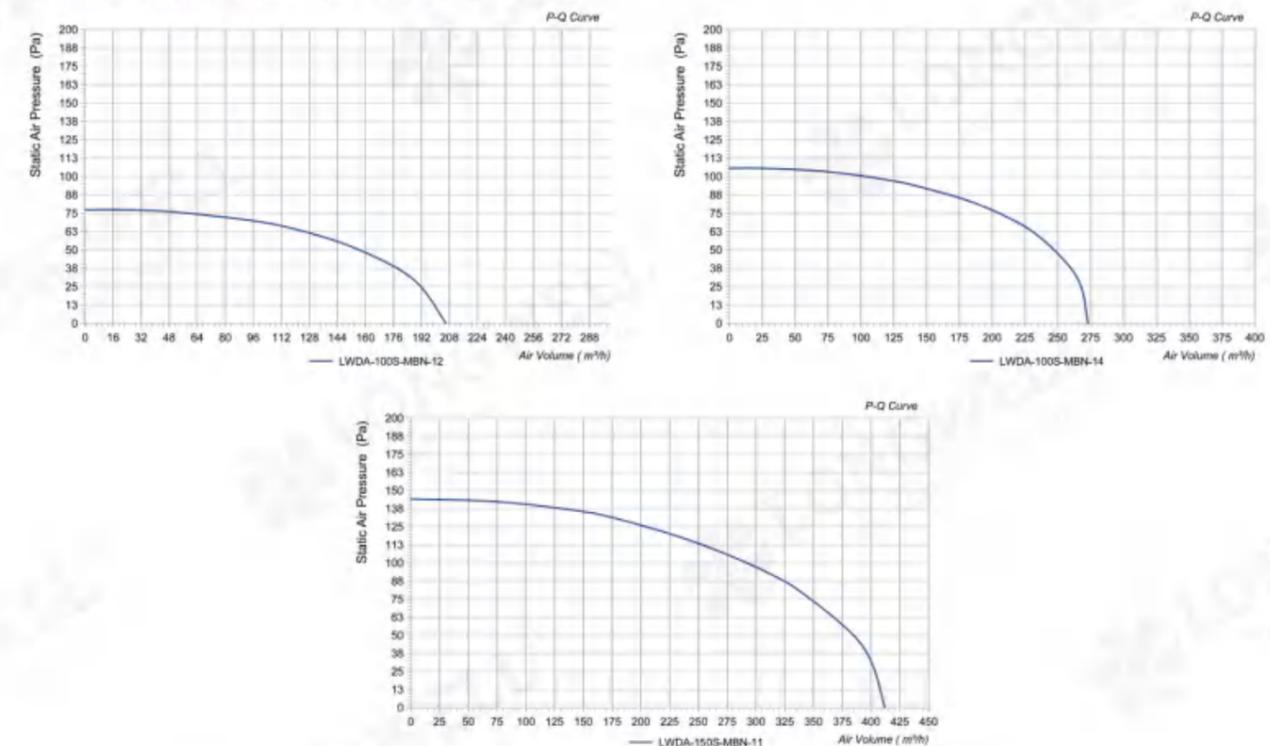


Low noise



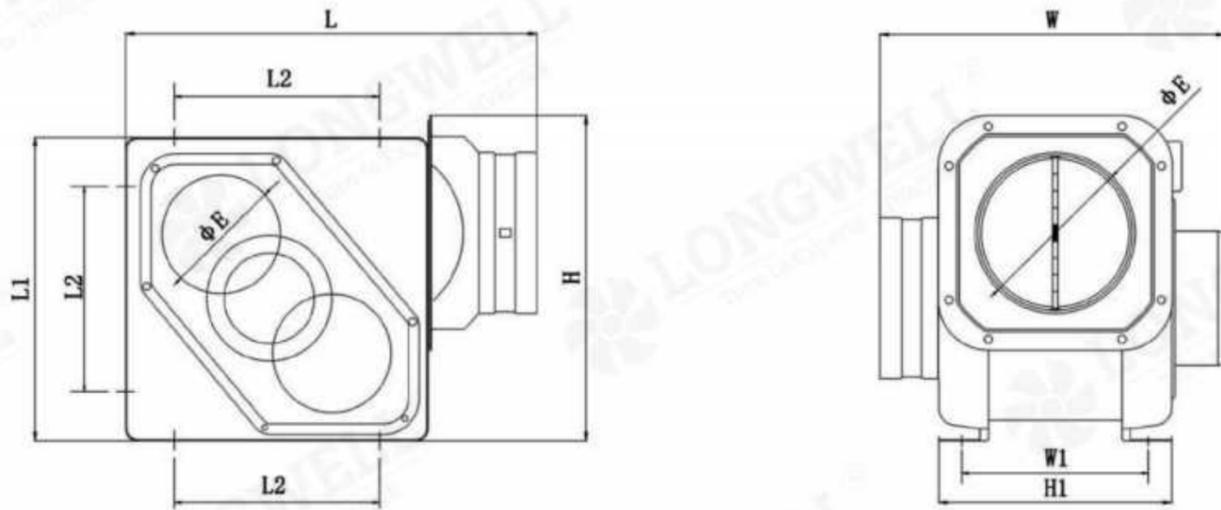
Protection grade IP44

Performance Curves



Product Parameters

Structure and Size(mm)



Unit (mm)

Model	L	L1	L2	ΦE	W	W1	H	H1	I
LWDA-100S-MBN-12	246	181	122.5	75	210	111.5	194	139	98
LWDA-100S-MBN-13	230	181	120	75	210	105	200	120	100
LWDA-100S-MBN-14	246	180	122.5	75	210	111.5	194	139	98
LWDA-100S-MBN-15	230	180	120	75	210	105	200	120	100
LWDA-150S-MBN-11	306	230	122.5	100	243	141.5	259	176	150
LWDA-150S-MBN-12	306	230	122.5	100	243	141.5	259	176	150

Silent Air Cabinet

Professional HVAC Fan & Motors Manufacturer



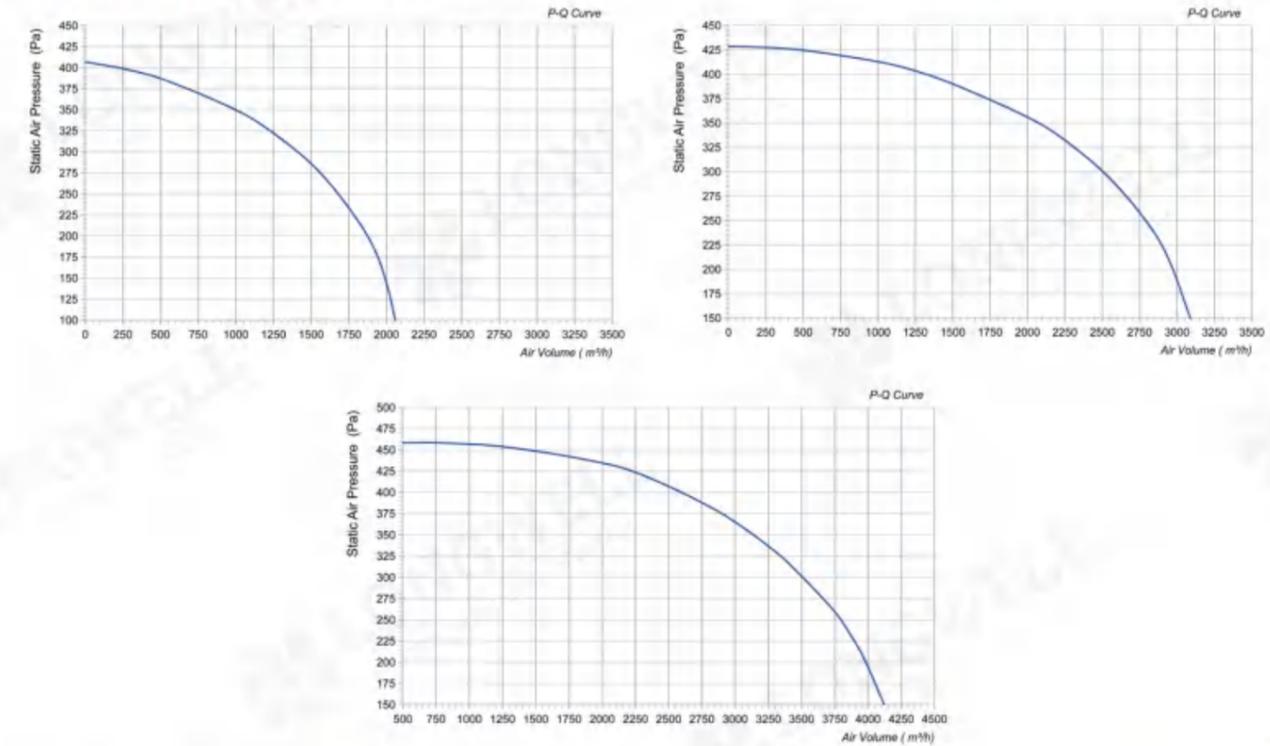


Product Parameters

Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Weight (kg)
LWDE270J-D470-001	110-240	470	2060	407	49	20
LWDE3000J-D480-001	110-240	480	3090	428	57	24
LWDE3000J-D510-001	110-240	510	4120	458	62	25

Performance Curves



Silent Air Cabinet

Breakthrough silent technology creates a library-level low-noise experience, and the innovative airflow optimization design brings powerful and stable air circulation. The ultra-thin body can flexibly adapt to various installation environments, and the exquisite structure significantly saves space occupation. The intelligent shock absorption system effectively eliminates operational resonance, and the multiple protection designs are not afraid of complex working conditions. Whether it is a medical clean space, a scientific research laboratory or a high-end residence, it can perfectly blend into the environment and reshape the fresh breathing experience with silent power.



High wind pressure



High air volume



Low power consumption



Long lifespan

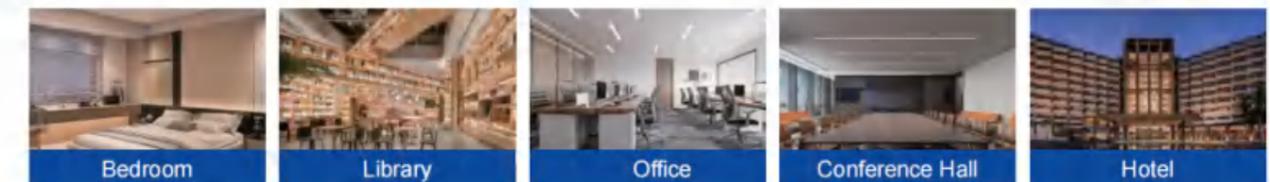


Low noise



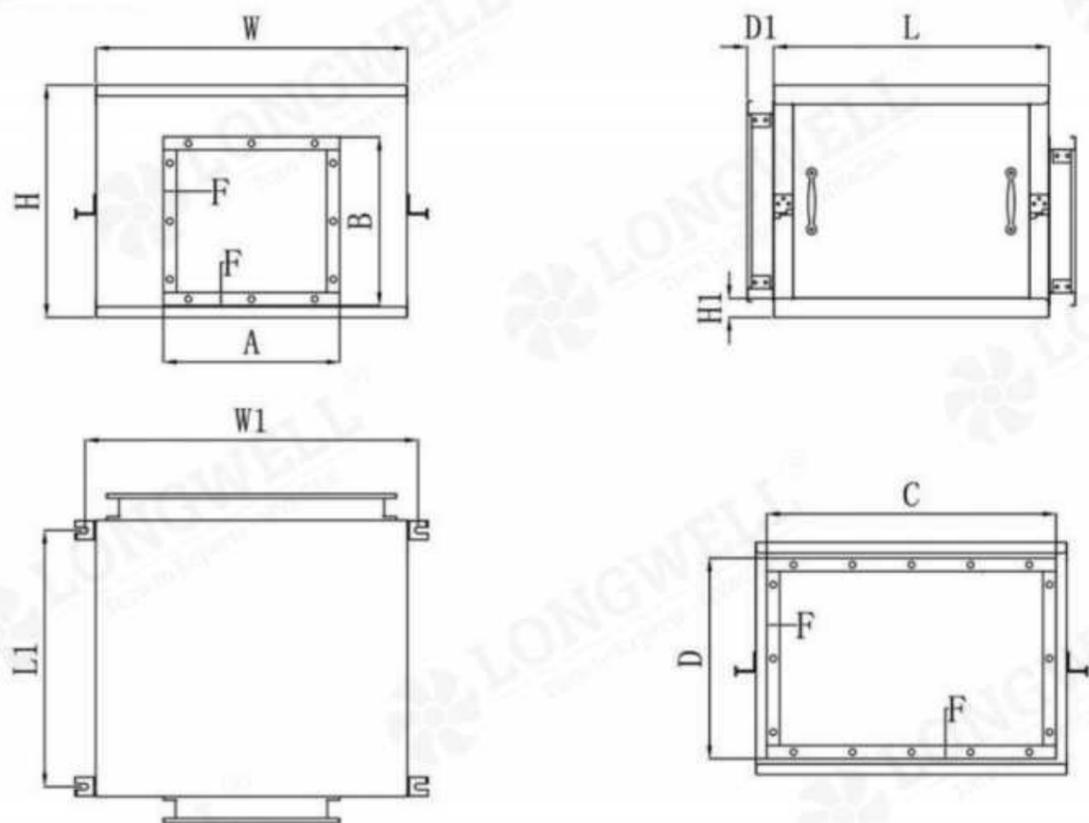
Protection grade IP44

Application Site



Product Parameters

Structure and Size(mm)



Unit (mm)

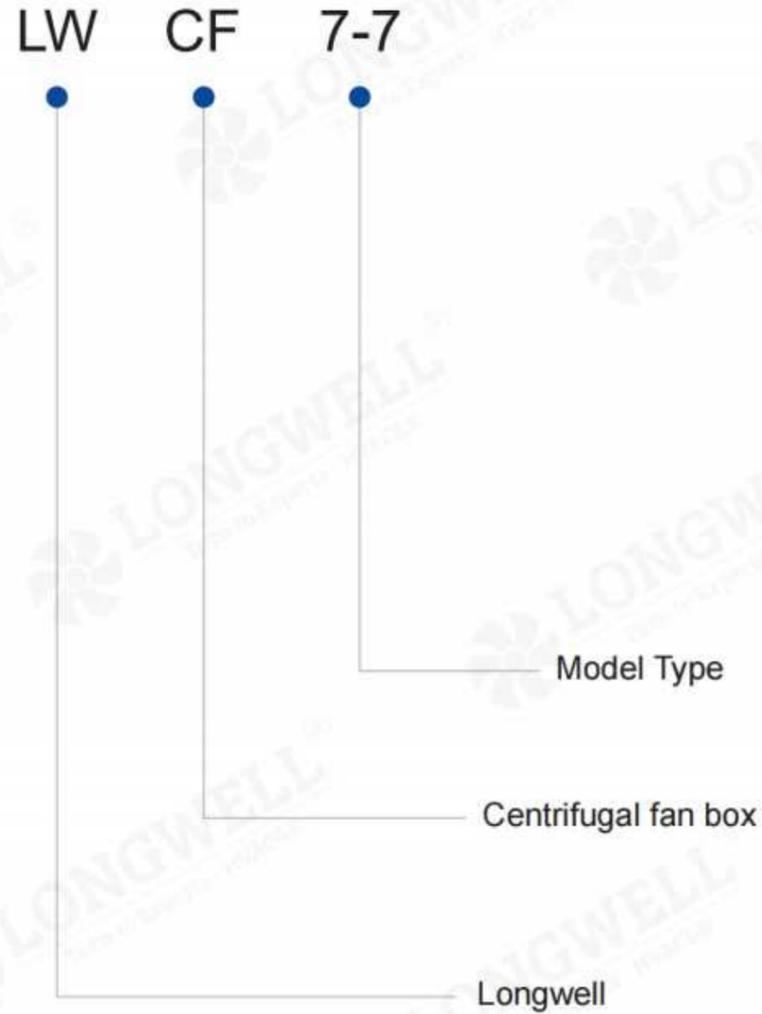
Model	L	L1	W	W1	H	H1	D1	F	Air outlet size (AXB)	Air inlet size (CXD)
LWDE270J-D470-001	510	473	429	468	376	36	51	25	270*280	270*270
LWDE3000J-D480-001	580	543	500	540	376	36	51	25	300*280	335*312
LWDE3000J-D510-001	580	543	500	540	376	36	51	25	300*280	335*312

Centrifugal Fan Box

Professional HVAC Fan & Motors Manufacturer



Type Code



Centrifugal Fan Box



Performance Parameter

Model	Voltage (V)	Power (W)	Rated Current (A)	Rated Speed (r/min)	Weight (kg)
LWCF 7-7	110/220/230	200W-4	1.7	1250	9.4

Performance Curves

