LONGWELL®
Turn to Experts - HVAC&R

EC Silent Fan-Ultra-Thin

Professional HVAC Fan &Motors Manufacturer



Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

Type Code

LW D E 100 J - A 48 - 001

- Series Number
- Input power of the fan
- A-Silent fan-ultra-thin(single air intake)
  B-Silent fan-ultra-thin(double air intake)
  C-Silent fan-unidirectional direct exhaust type
  D-Silent air Cabinet
- T-380VAC S-230VAC U-115V G-277V
  L-12VDC M-24VDC H-48VDC
  Z-310VDC K-5VDC Y-80V(dc)
  F-110V (DC) J-110-240V
- Diamter of air-outlet
- A-AC D-DC E-EC
- D-Duct fan
- Longwell



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

The adoption of EC variable frequency motors enables the fan to achieve higher operational eficiency 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-con-strained places.

High wind pressure

High air volume

Low power consumption

Long lifespan

Low noise

Protection grade IP44

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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.

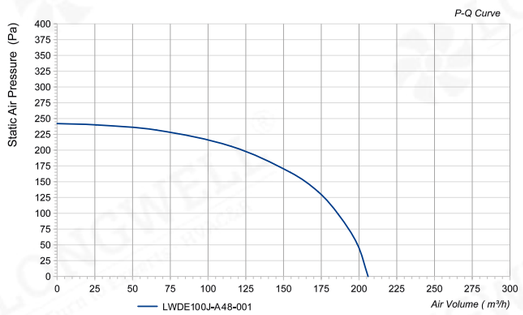
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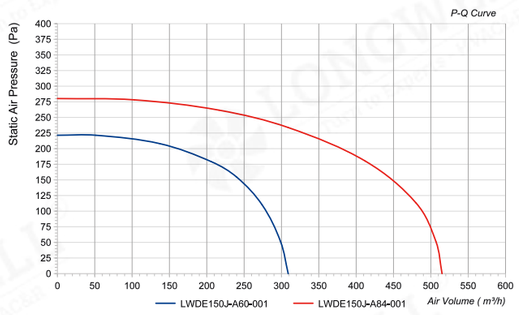
Product Parameters

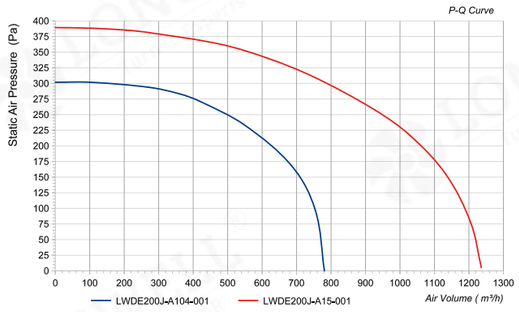
Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diamter 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

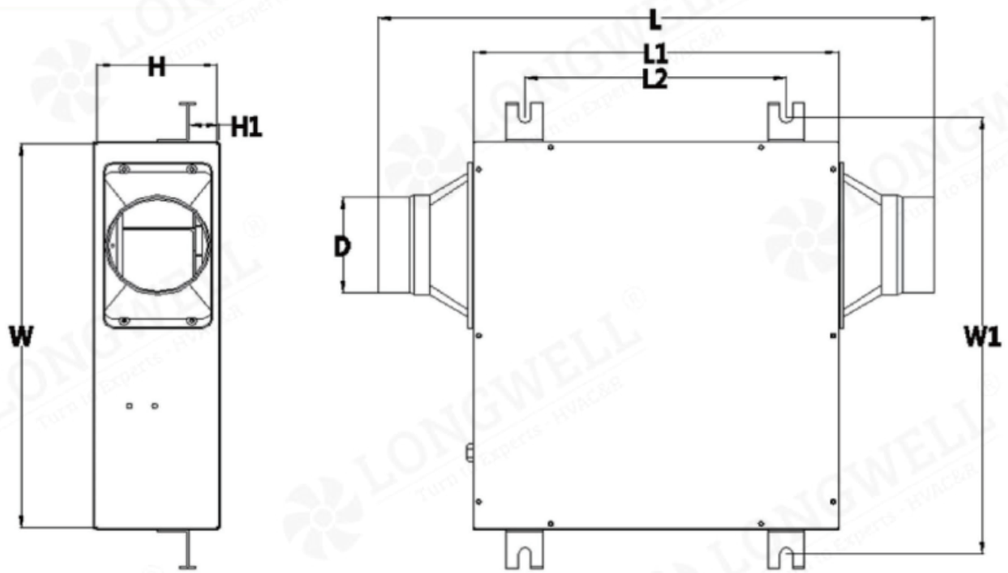






Product Parameters

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



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

The adoption of EC variable frequency motors enables the fan to achieve higher operational eficiency 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-con-strained places.

- High wind pressure
- High air volume
- Low power consumption
- Long lifespan
- Low noise
- Protection grade IP44

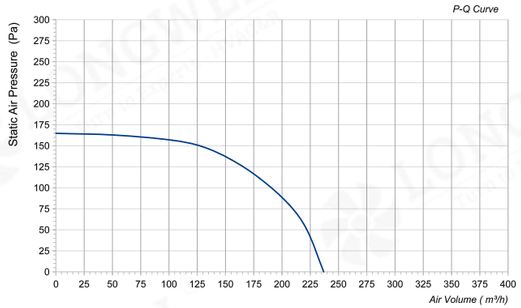
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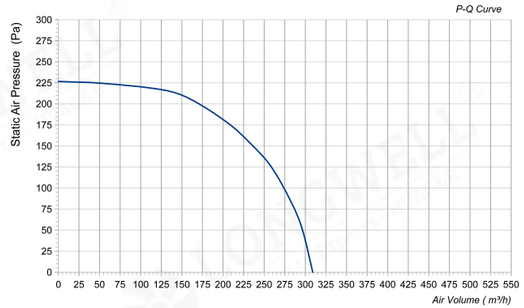
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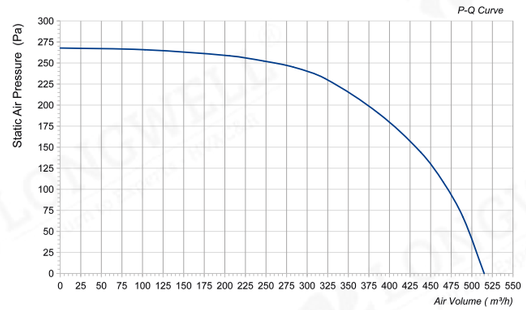
Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diamter 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

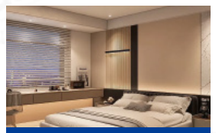
Performance Curves





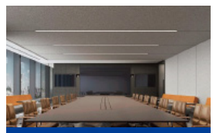


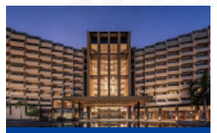
Application Site


Bedroom


Library


Office

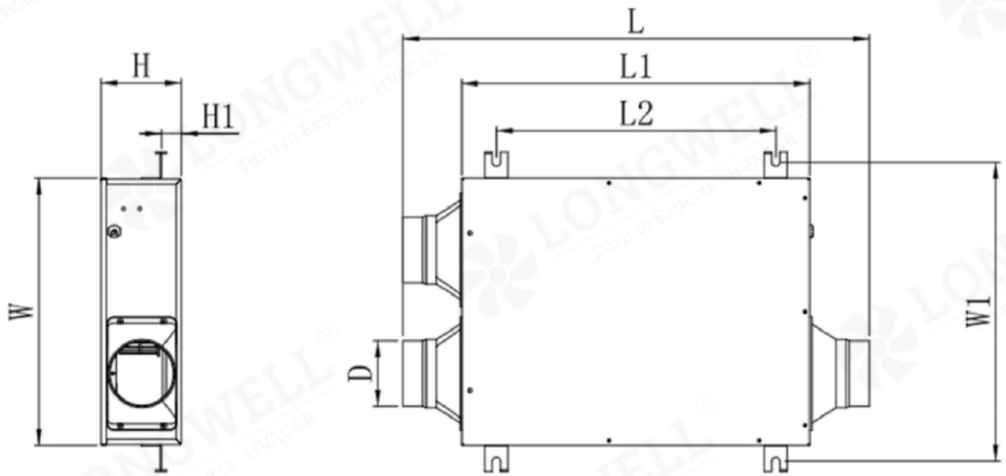

Conference Hall


Hotel

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Product Parameters

Structure and Size(mm)



Unit (mm)

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