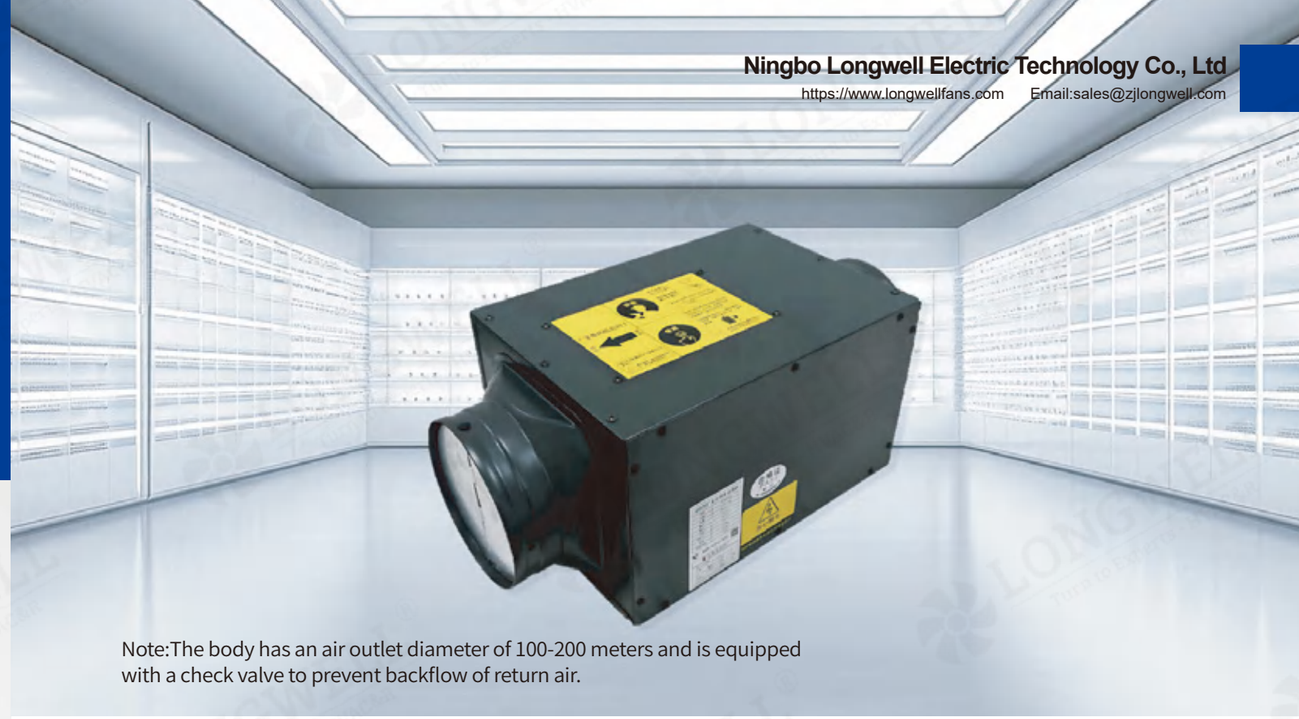
LONGWELL®
Turn to Experts - HVAC&R

# One-way Straight Line Type Silent Fan

Professional HVAC Fan &Motors Manufacturer



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



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 requlation.The air volume can be flexibly adjusted according to actual needs,enhancing the overall performance of the system.The all-met-al 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.



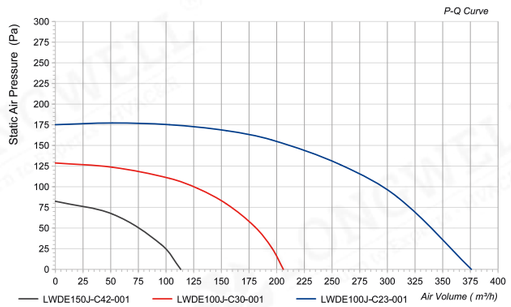


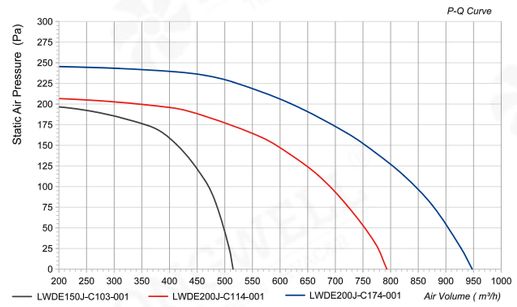
# Product Parameters

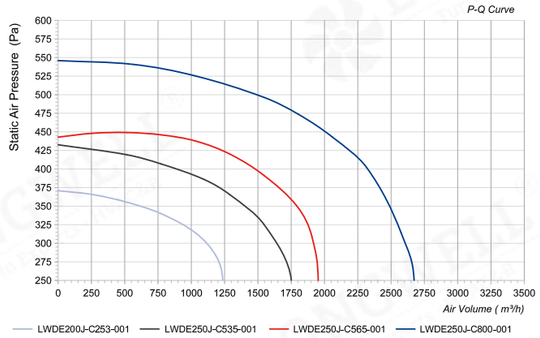
## *Performance Parameter*

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



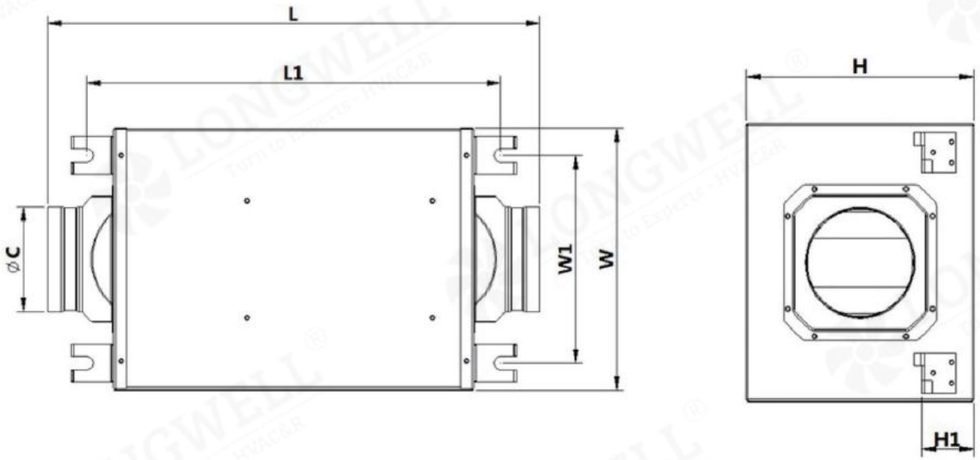



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# Product Parameters

## *Structure and Size(mm)*




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 |