

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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**Professional HVAC Fan
& Motors Manufacturer**

EC Mixed Inline Duct Fan

Ningbo Longwell Electric Technology Co., Ltd



CATALOGUE

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About Longwell

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Testing and Standards

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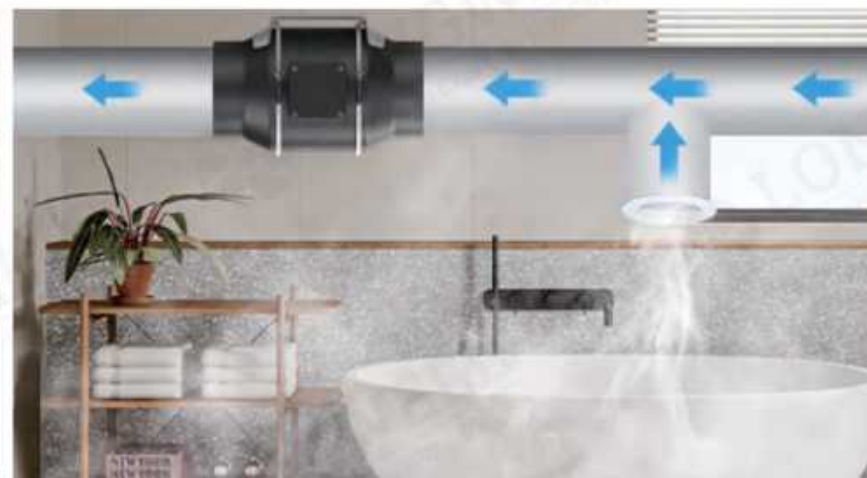
Mainly Application

07

Type Code

08-24

EC Mixed Inline Duct Fan



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

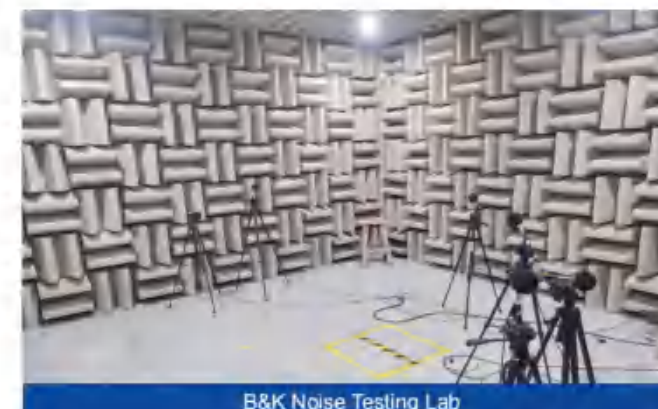
Annual Outputs

6

Overseas offices
on spot support

50⁺

Members
R&D Team



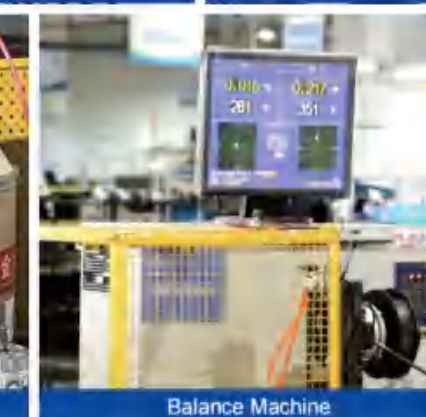
B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



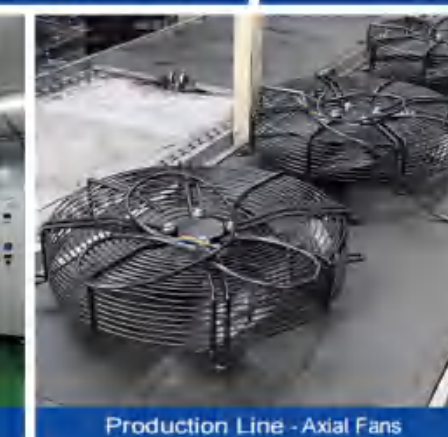
Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



Production Line

Testing and Standards

- ISO 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



Own-Brand



Own-Brand



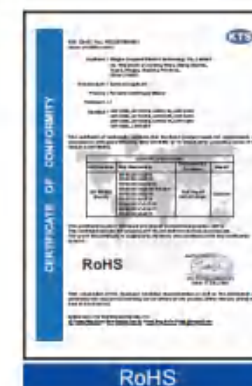
ETL



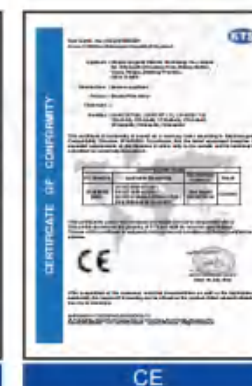
ETL



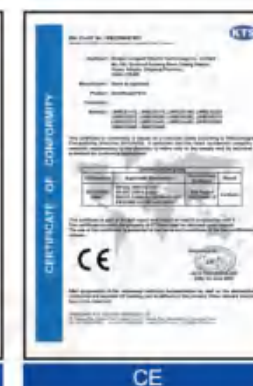
CE



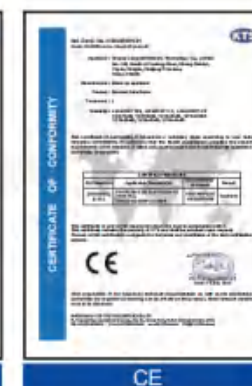
RoHS



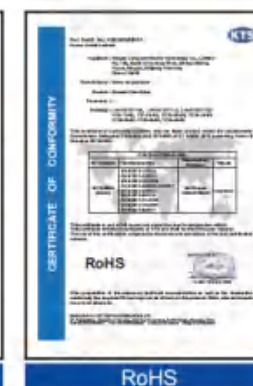
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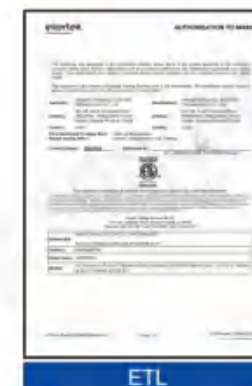
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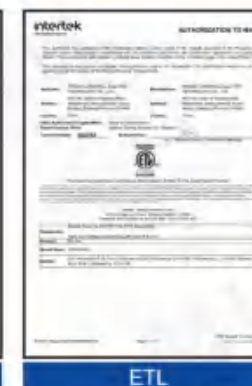
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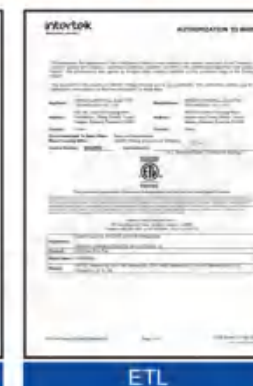
RoHS



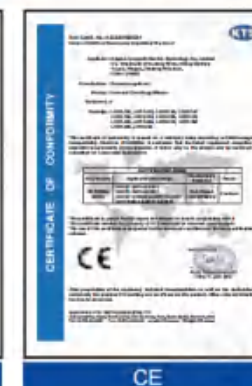
ETL



ETL



ETL



CE



CE



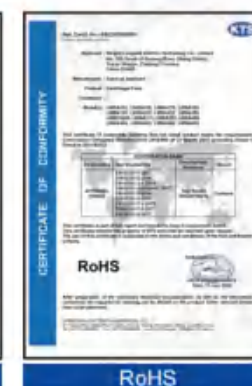
ISO 9001



ISO 9001



RoHS



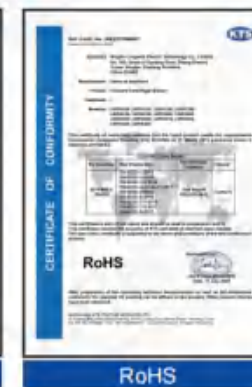
RoHS



RoHS



RoHS



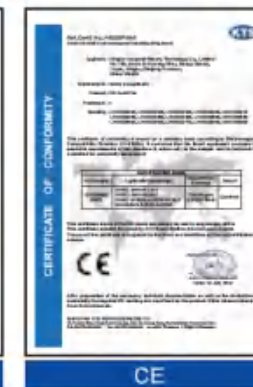
RoHS



CE



CE



CE

Mainly Application

Building ventilation system/Primary air system/
Bathroom ventilation/Kitchen ventilation/Air conditioning vent



Grow Tent



Bathroom Ventilation



Primary Air System



Kitchen Ventilation



Air Conditioning Vent

Type Code

LW D E - 100(4") U - P W N - 01

Series number

Y-With Speed Controller
N-Without Speed Controller

B-With Connection Box
W-Without connection Box

P-Plastic M-Metal

T-400V S-230V U-115V
L-12V M-24V H-48V Z-310V

Outlet diameter

A-AC D-DC E-EC

D-Duct fan

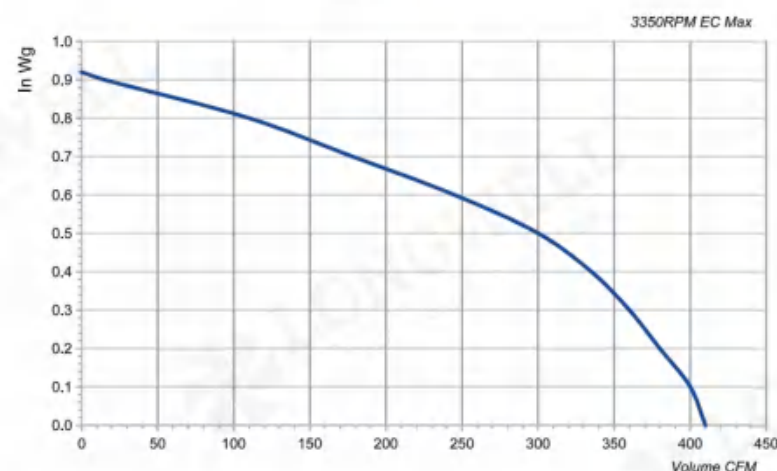
Longwell

EC Mixed Inline Duct Fan

Professional HVAC Fan & Motors Manufacturer

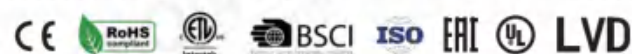


LWDE-100(4") Series



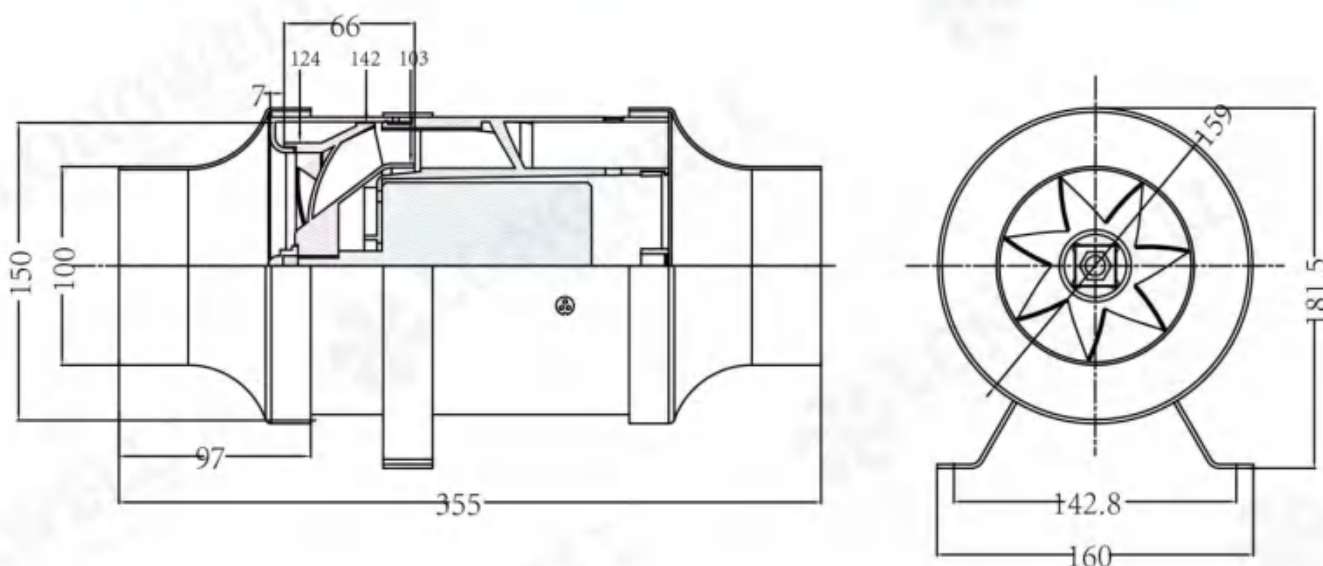
Product Characteristic

- Material : Plastic
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

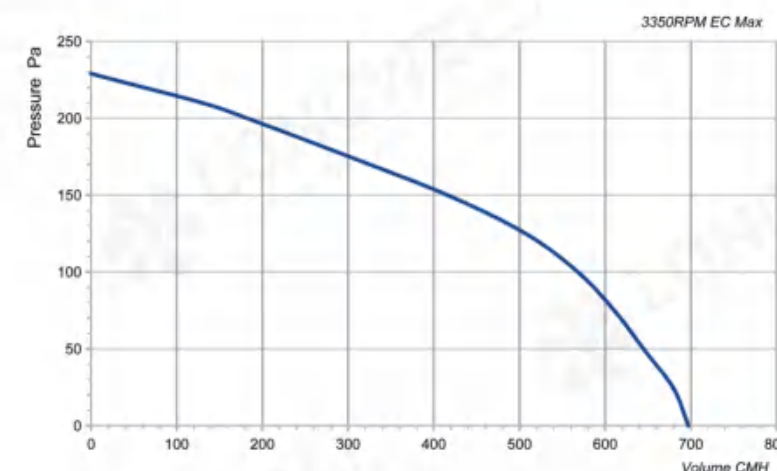


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-100(4")U-PWN-01	110-120	60	410	35	3350	52



LWDE-100(4") Series



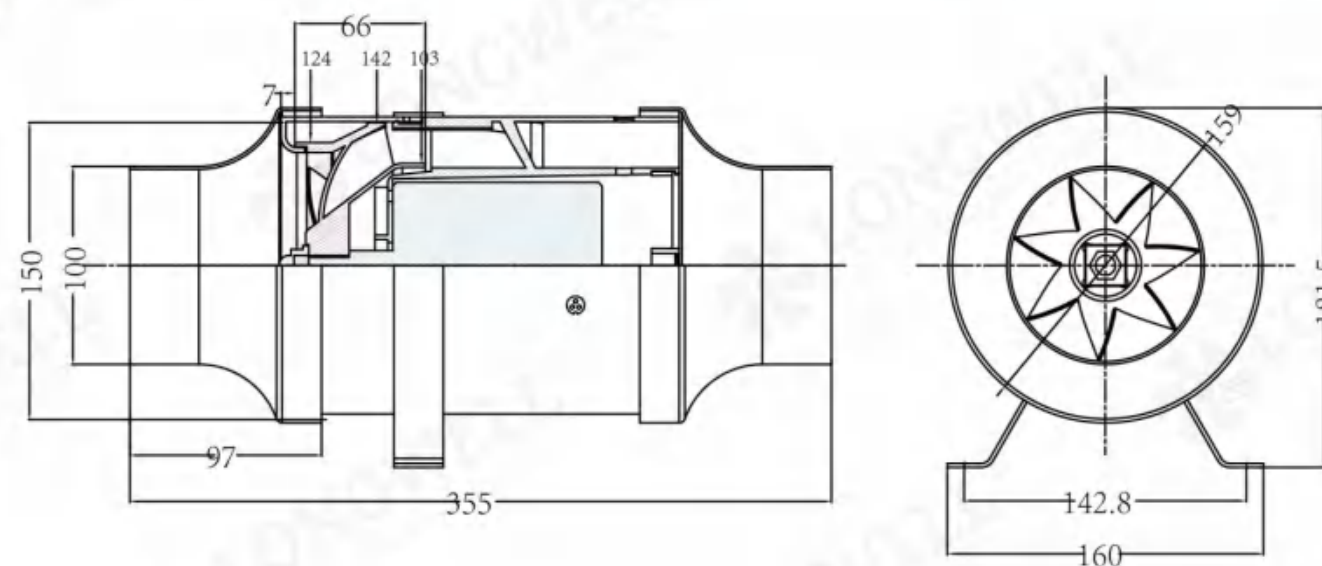
Product Characteristic

- Material : Plastic
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

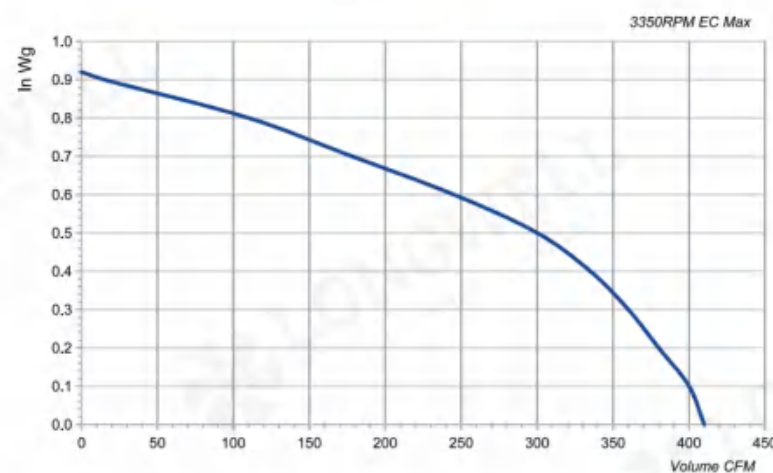


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-100(4")S-PWN-02	220-240	50/60	697	35	3350	52



LWDE-125(5") Series



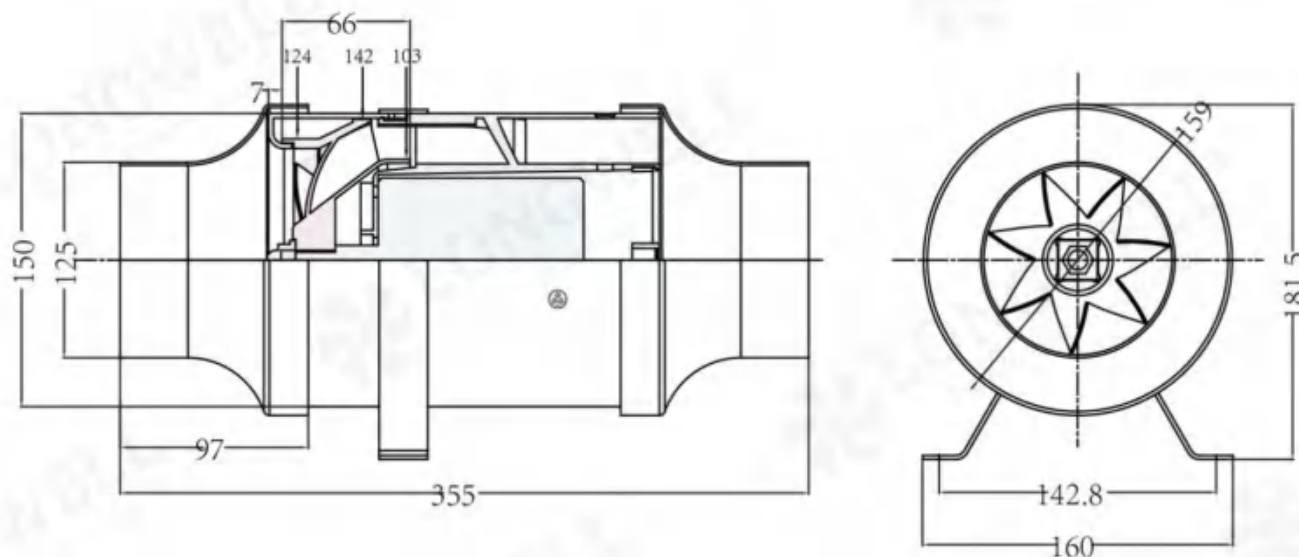
Product Characteristic

- Material : Plastic
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

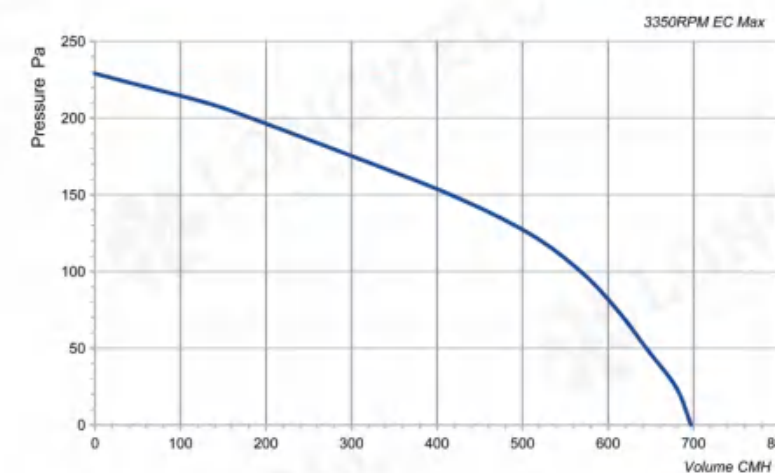


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-125(5")U-PWN-01	110-120	60	410	35	3350	52



LWDE-125(5") Series



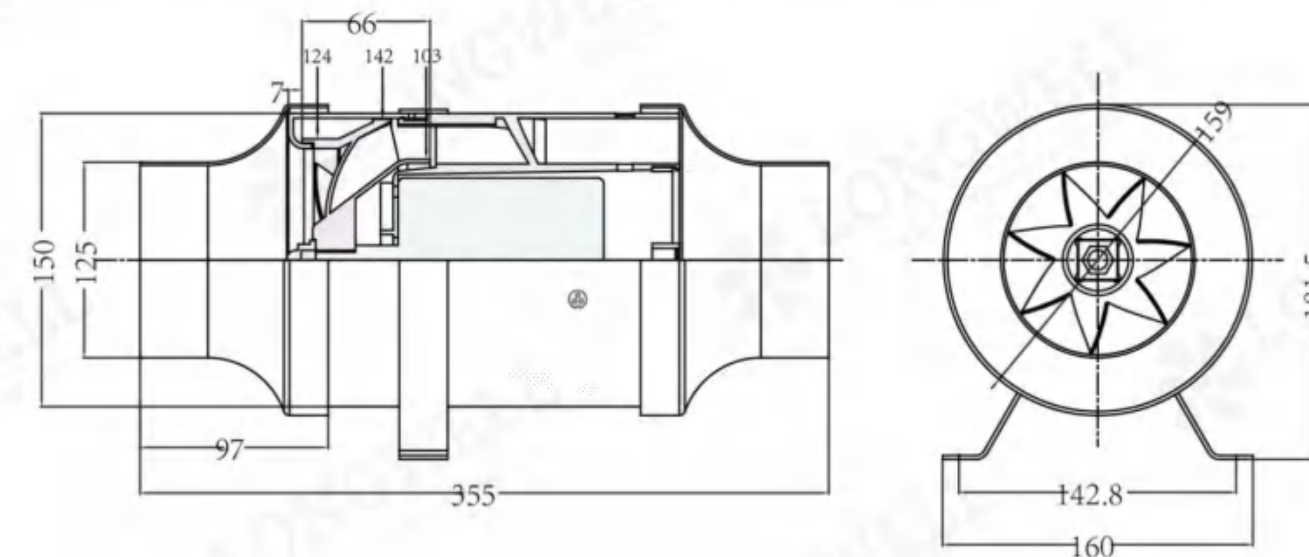
Product Characteristic

- Material : Plastic
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

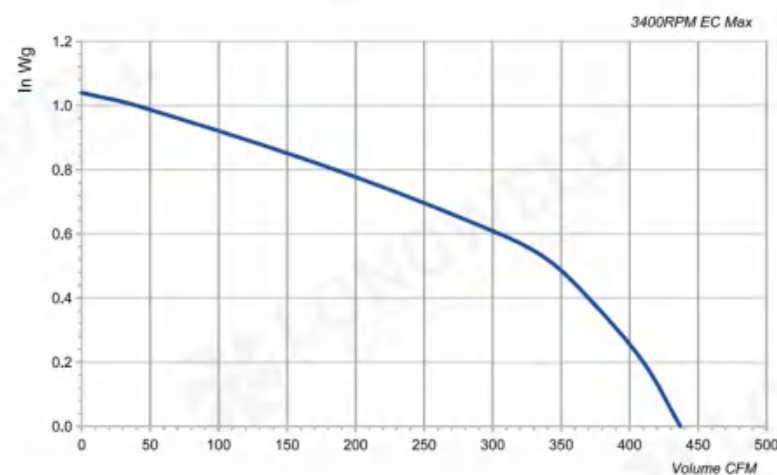


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-125(5")S-PWN-02	220-240	50/60	697	35	3350	52



LWDE-150(6") Series



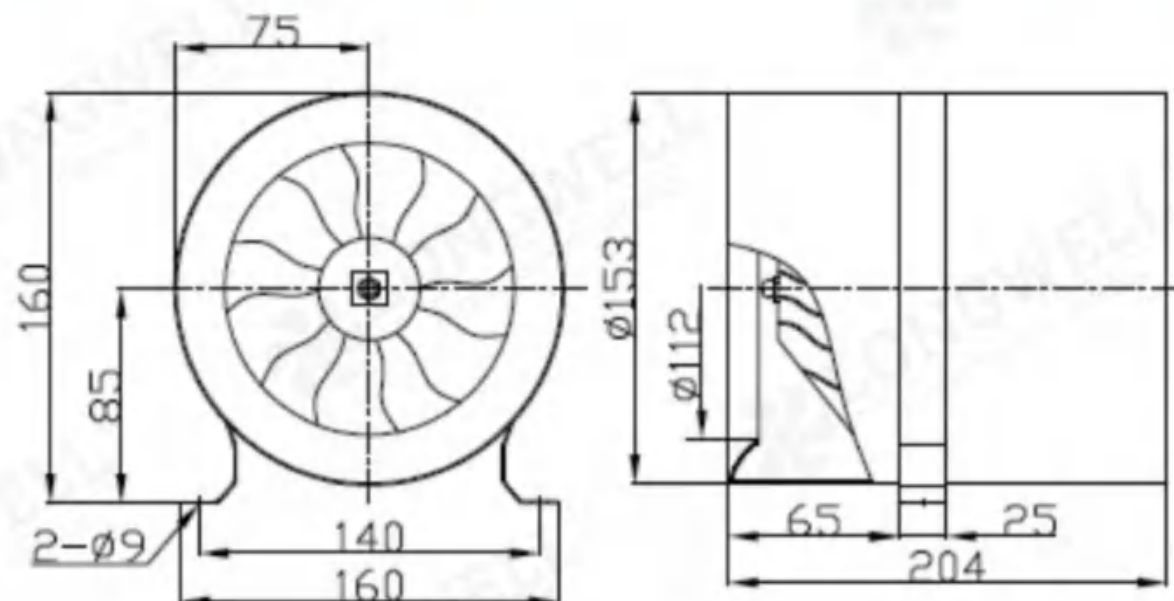
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

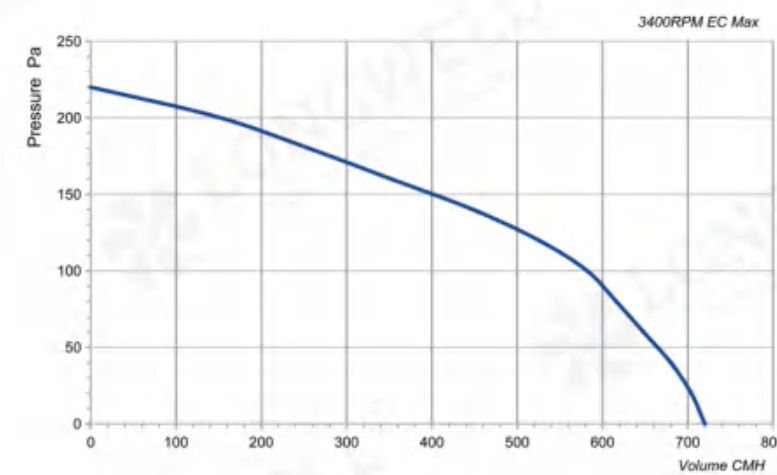


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-150(6'')U-MWN-01	110-120	60	437	35	3400	58



LWDE-150(6'') Series



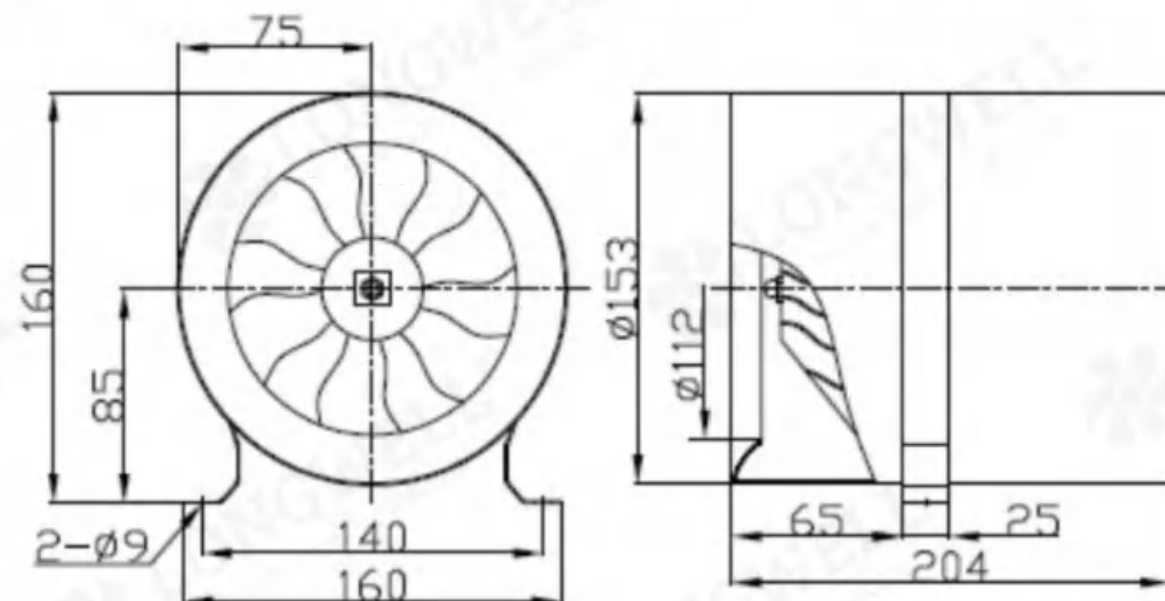
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

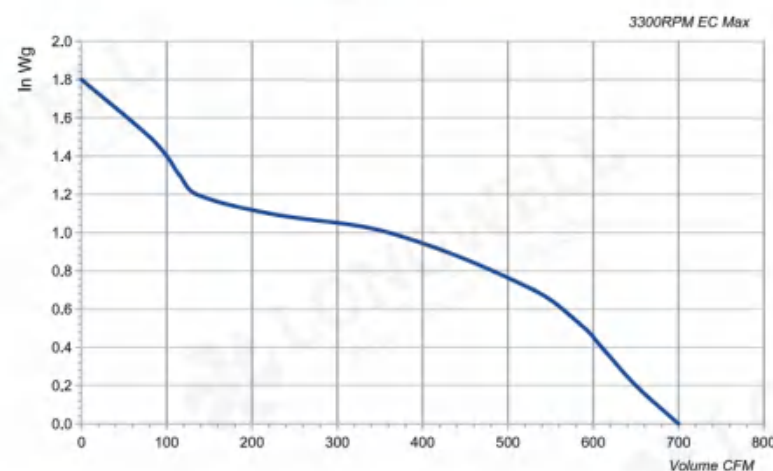


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-150(6'')S-MWN-02	220-240	50/60	720	35	3400	58

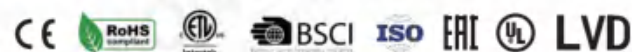


LWDE-200(8") Series



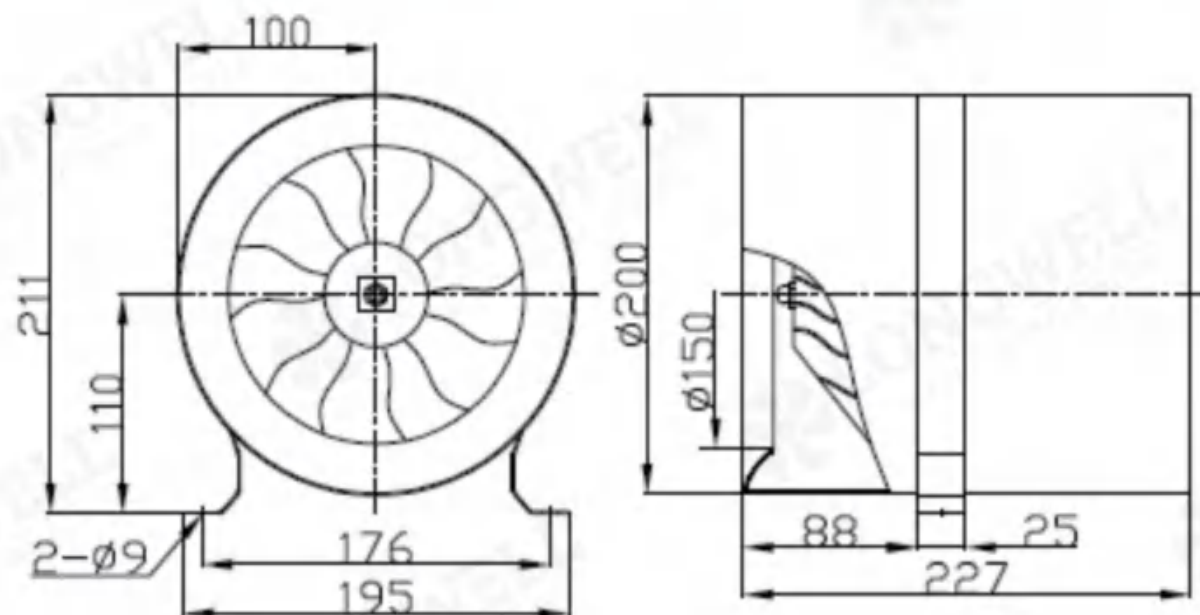
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

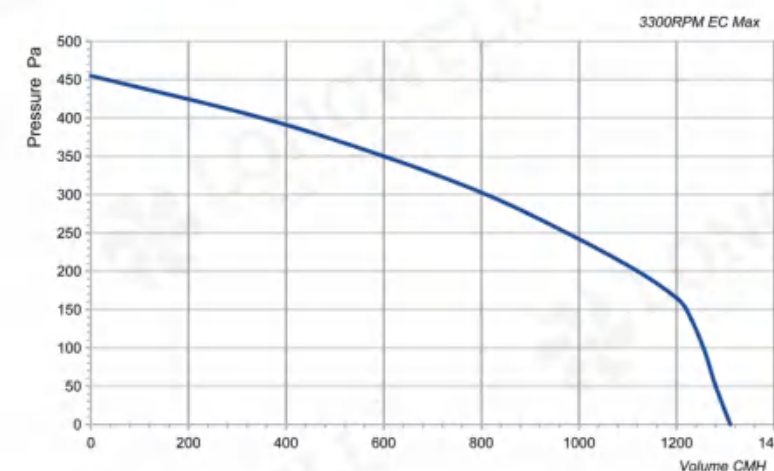


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-200(8'')U-MWN-01	110-120	60	700	140	3300	61



LWDE-200(8'') Series



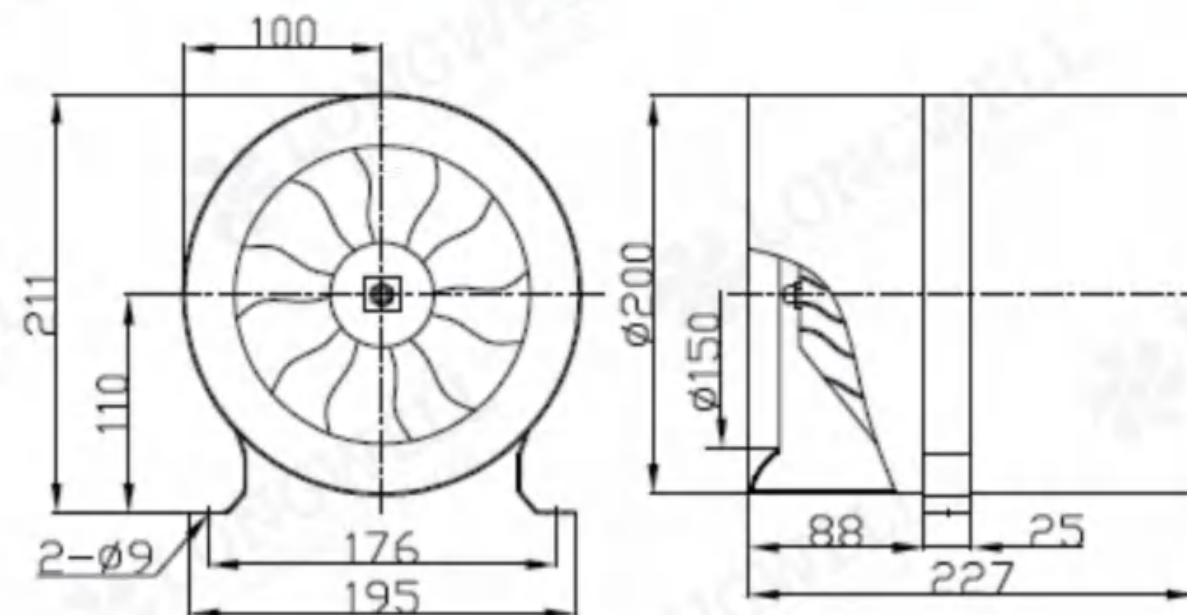
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

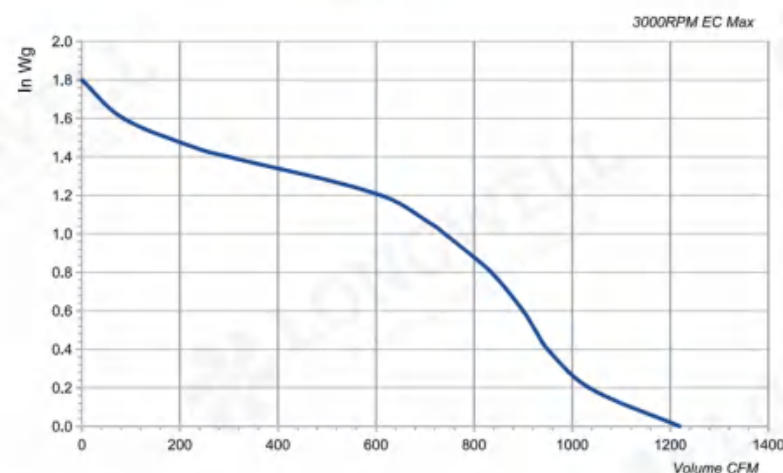


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-200(8'')S-MWN-02	220-240	50/60	1310	140	3300	61



LWDE-250(10") Series



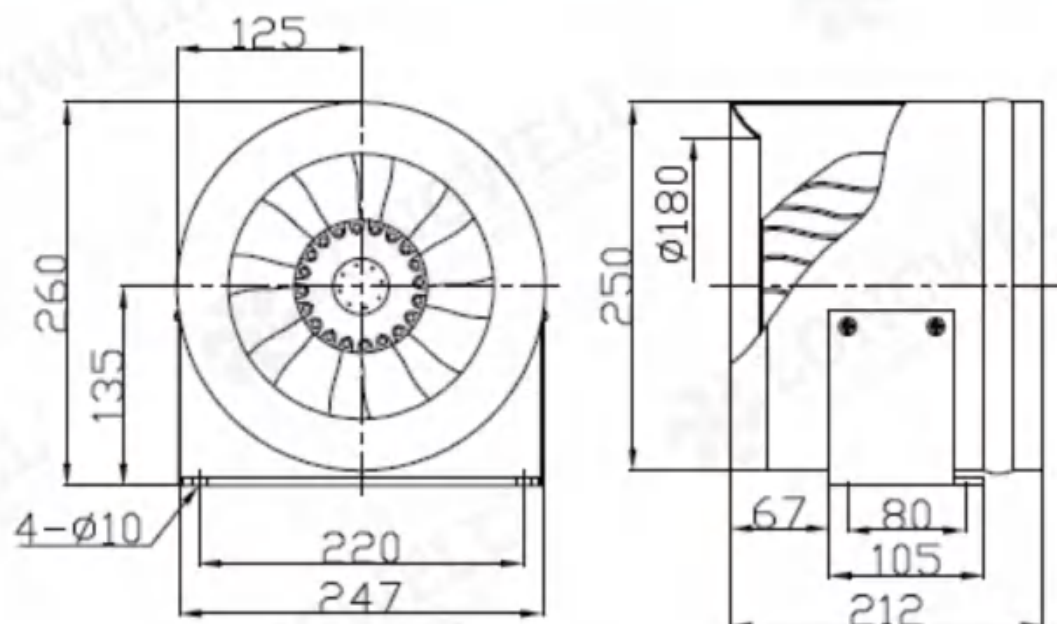
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

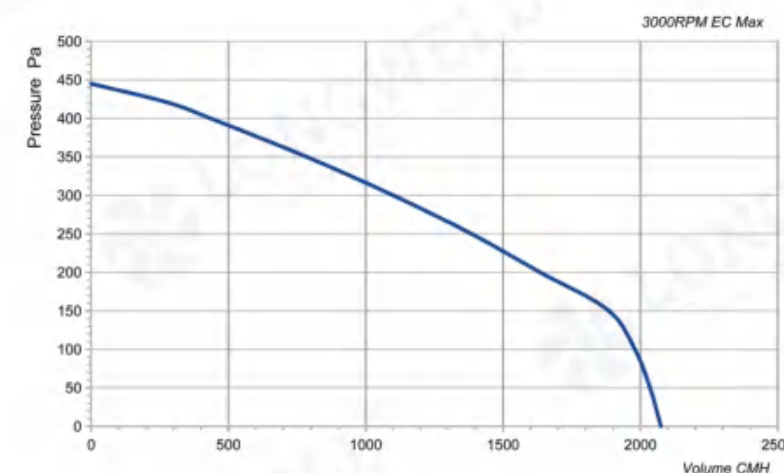


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-250(10'')U-MWN-01	110-120	60	1219	195	3000	69



LWDE-250(10") Series



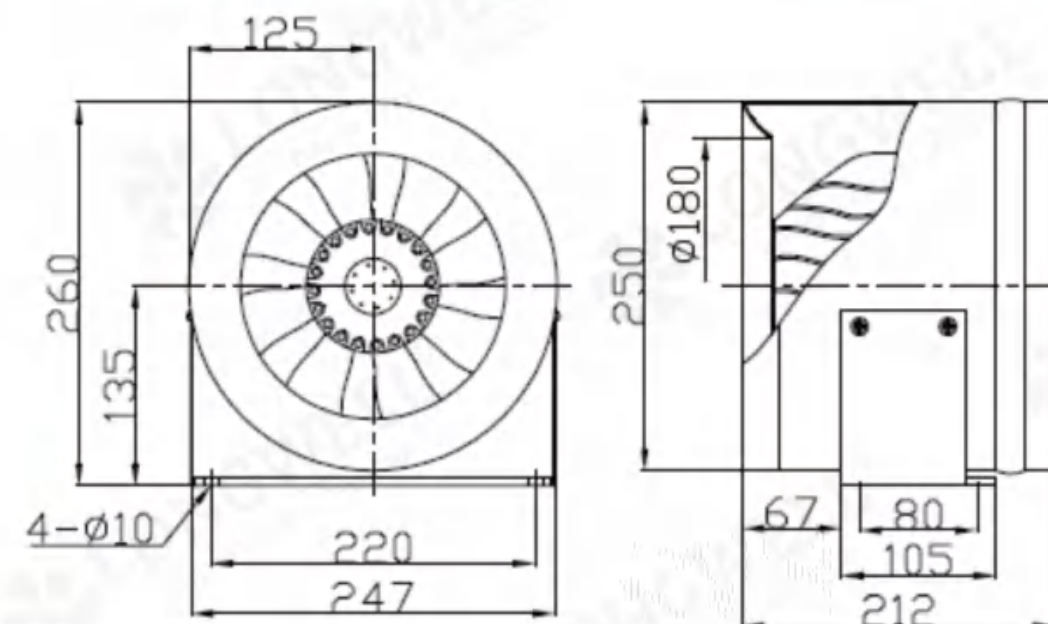
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

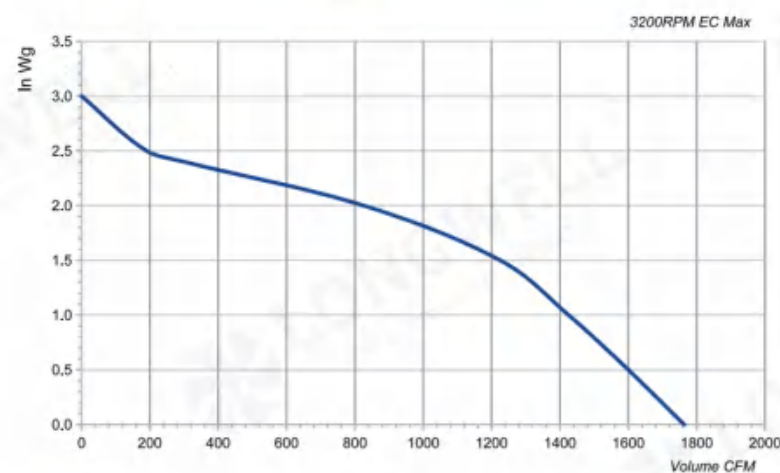


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-250(10'')S-MWN-02	220-240	50/60	2075	195	3000	69



LWDE-300(12") Series



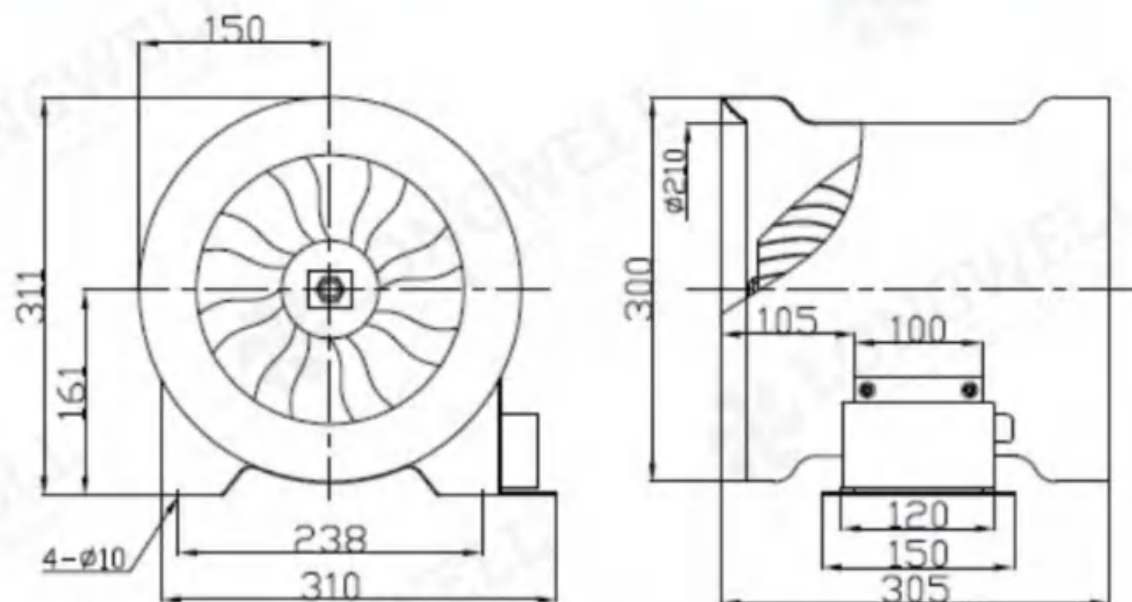
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

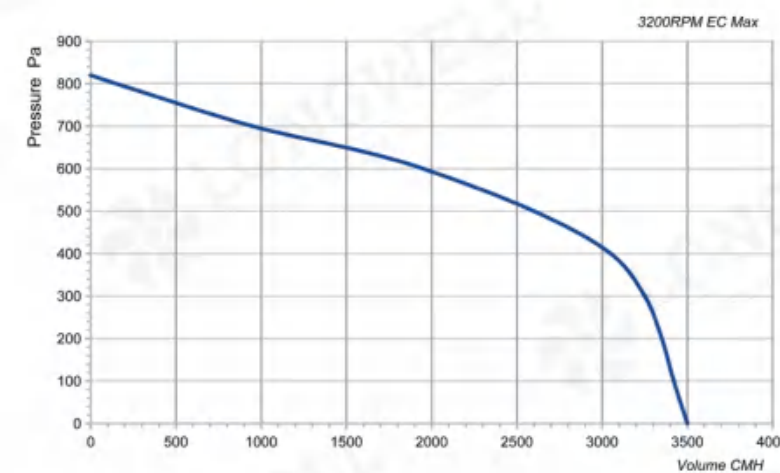


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-300(12")U-MWN-01	110-120	60	1763	352	3200	74



LWDE-300(12") Series



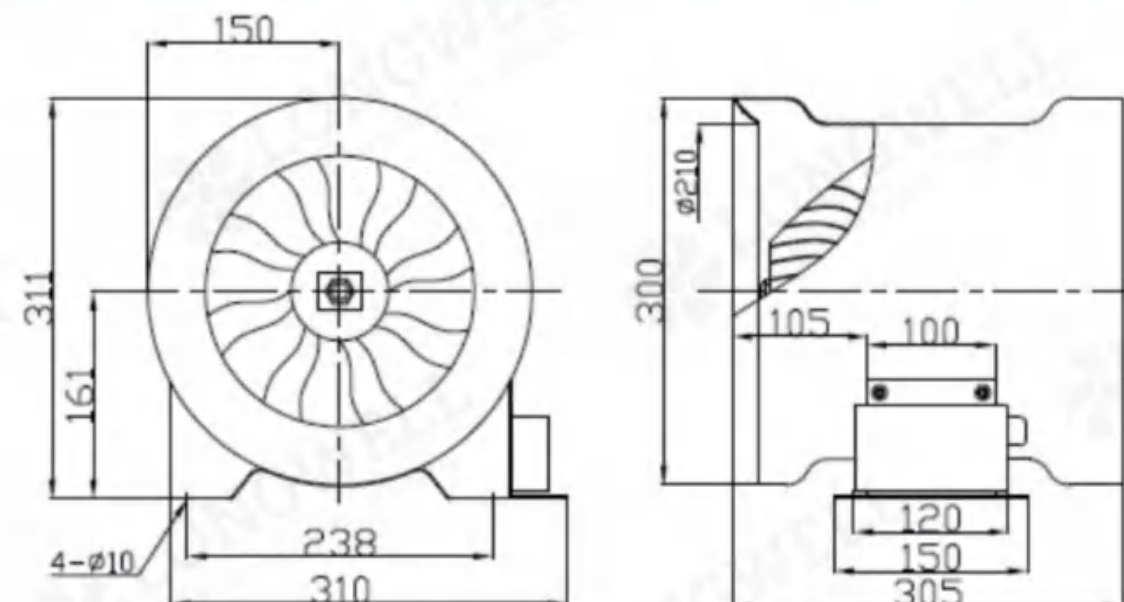
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 60 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

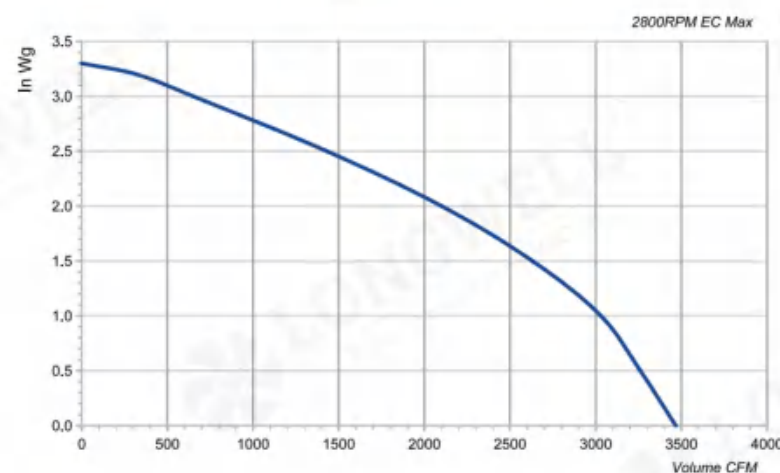


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-300(12")S-MWN-02	220-240	50/60	3500	352	3200	74

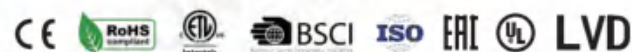


LWDE-350(14") Series



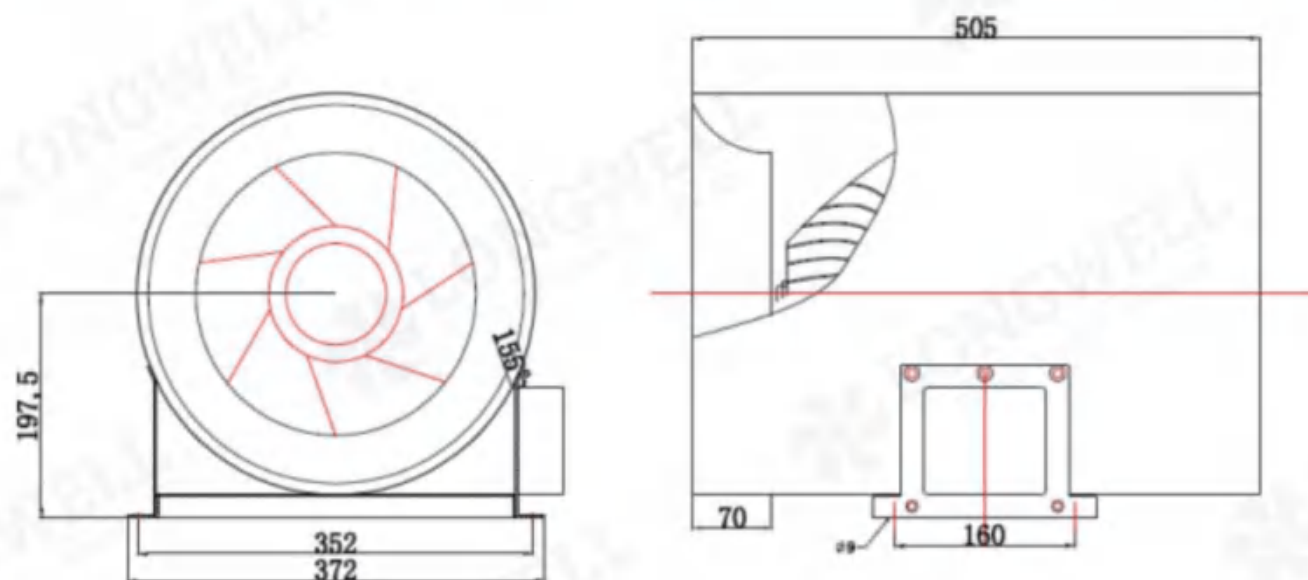
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 80 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

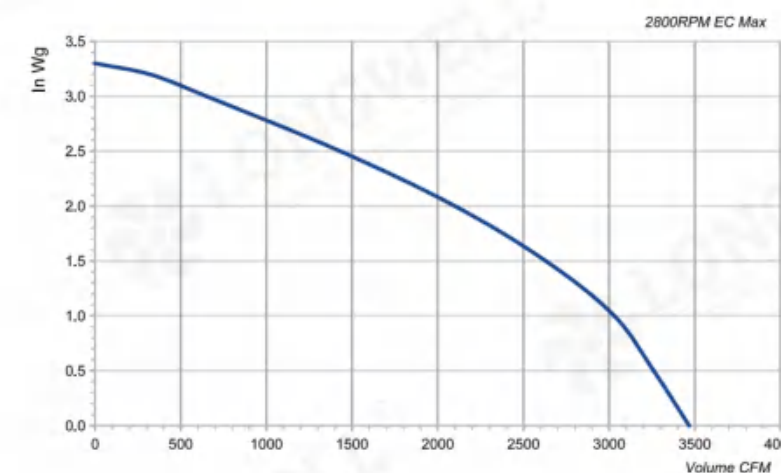


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-350(14")U-MWN-01	110-120	60	3467	659	2800	77



LWDE-350(14") Series



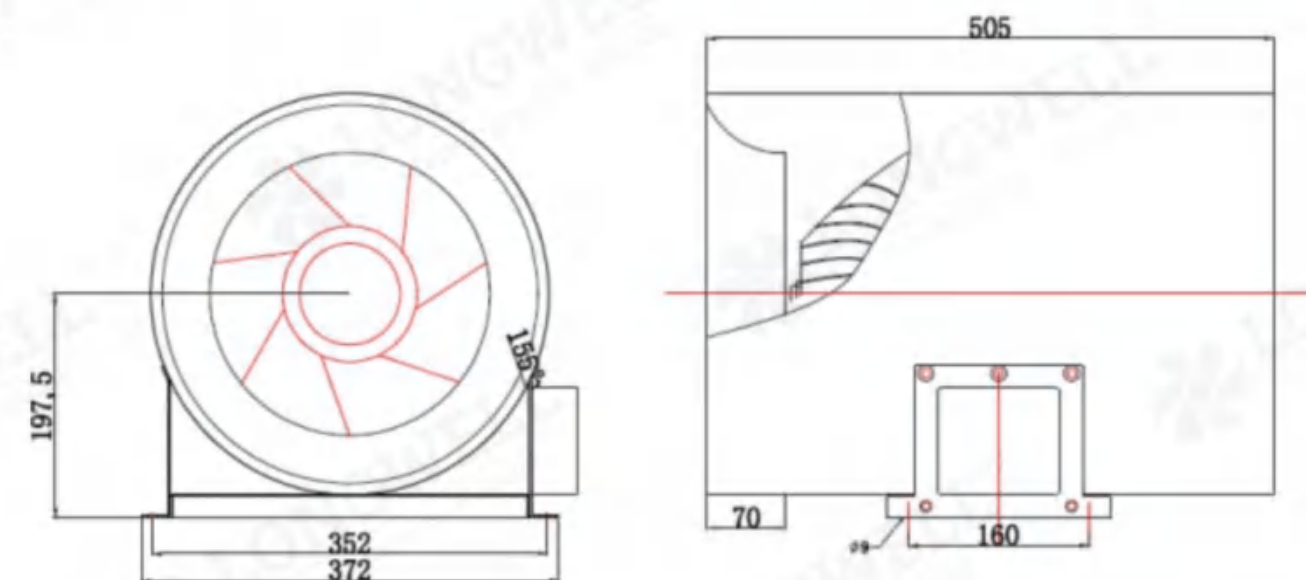
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 80 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

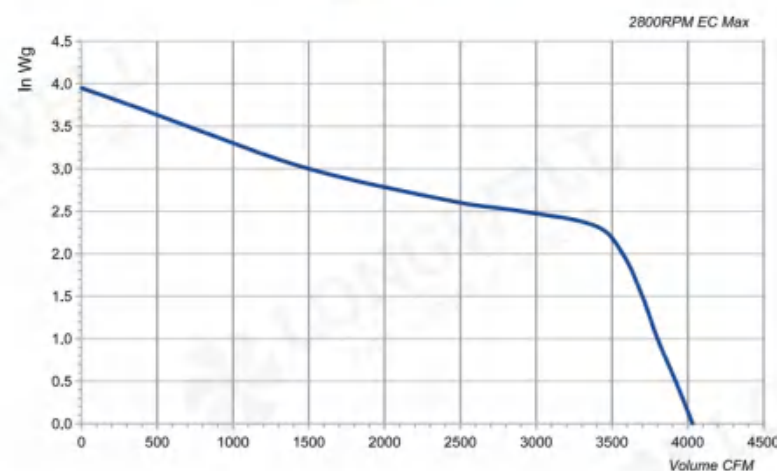


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-350(14")S-MWN-02	220-240	50/60	6200	659	2800	77



LWDE-400(16") Series



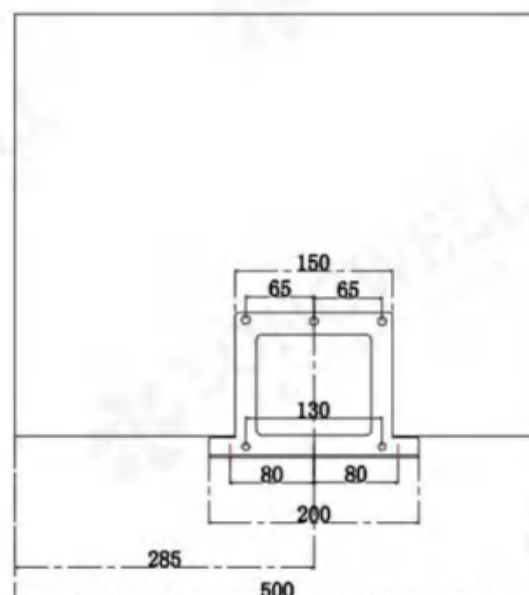
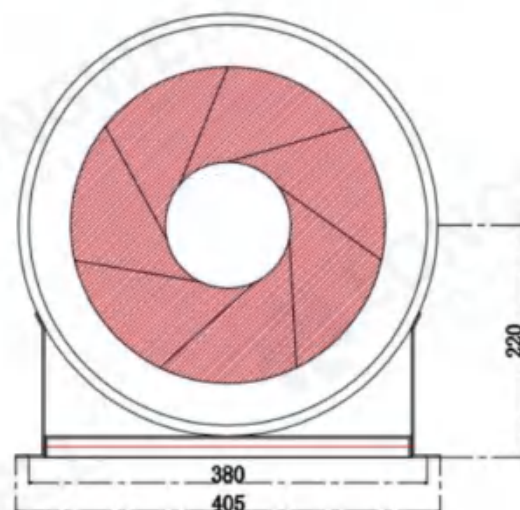
Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 80 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V

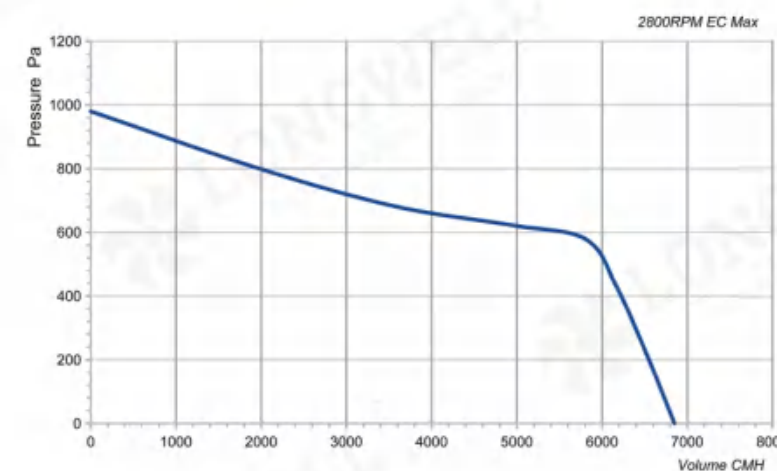


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CFM)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-400(16")U-MWN-01	110-120	60	4032	1200	2800	81



LWDE-400(16") Series



Product Characteristic

- Material : Metal
- Type of Protection: IP54
- Working Temp: 80 °C
- Voltage: EC Technology
- Mode of Operation: S1
- Speed Control Type: PWM Control Type 0-5V



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Maximum Flow Value (CMH)	Working Power (W)	Speed (RPM)	Noise [dB(A)]
LWDE-400(16")S-MWN-02	220-240	50/60	6850	1200	2800	81

