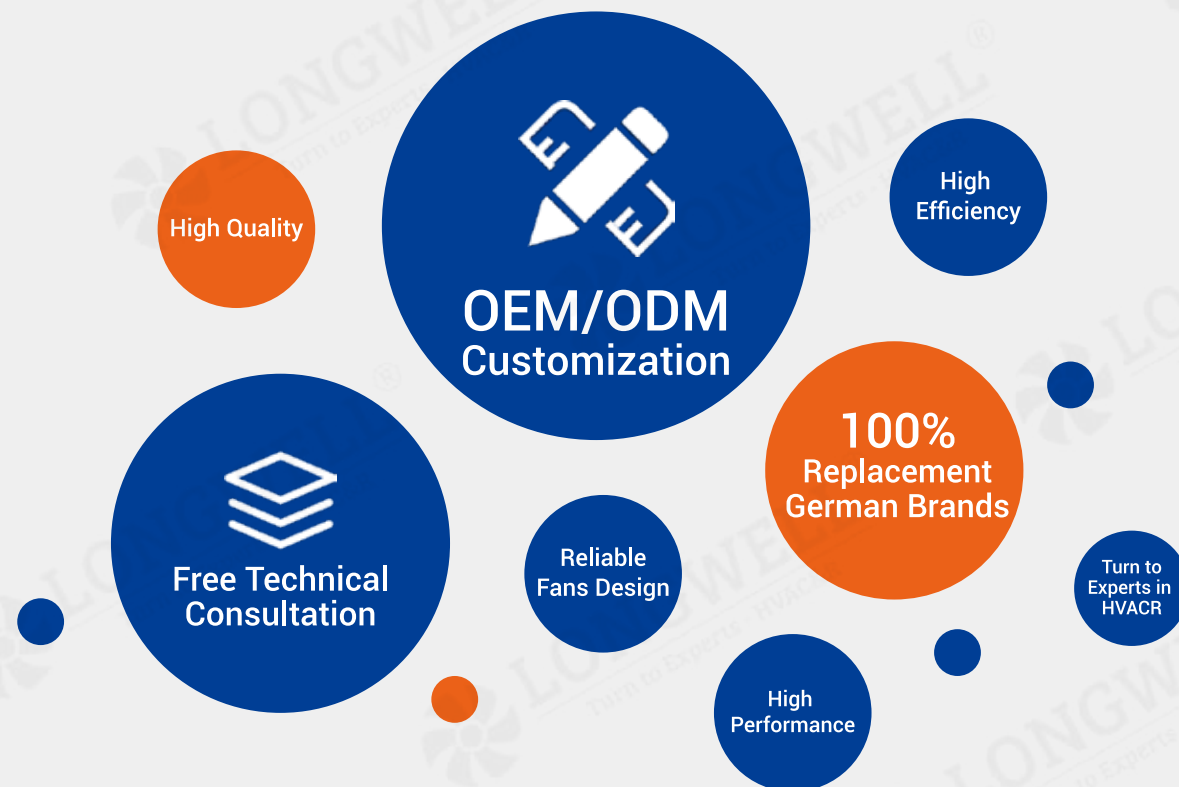


Delivery Premium Quality Fans Globally for Healthier Breathing

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



Ningbo Longwell Electric Technology Co., Ltd

Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400

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Fax: +86 574 6218 9863

Phone: +86 180 5854 5395

Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com

Email: sales@longwellfans.com



LONGWELL TECHNOLOGY

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



**Professional Manufacturer
of HVACR Fan & Motors**

—— EC Forward Centrifugal Fan

Longwell Group

Longwell-China

Longwell-USA

Longwell-Russia

Longwell-Europe



CATALOGUE

01-02	About Longwell
03-04	Testing and Standards
05	Type Code
06-14	EC Forward Centrifugal Fan(Φ108-160)

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.



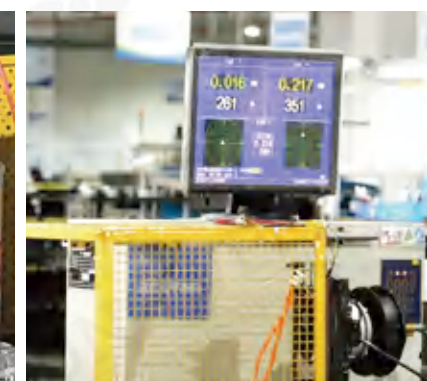
B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



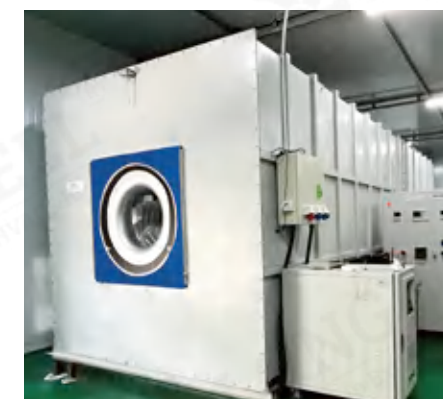
Automatic Welding Machine



Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



Production Line

193

Staff

40000m²

Floor Space

500⁺

Branding Clients

1Million⁺ PCS

Annual Outputs

6

Overseas offices
on spot support

50⁺

Members
R&D Team

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 +A1:2014 +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



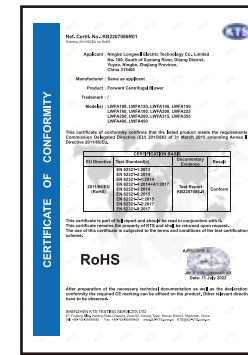
ETL



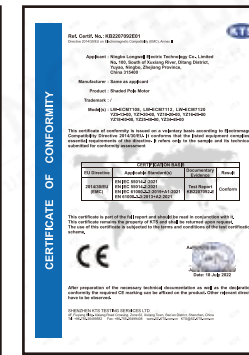
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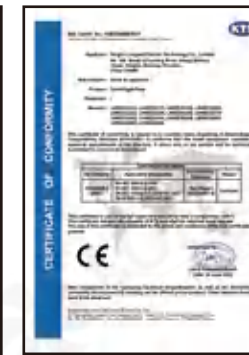
CE



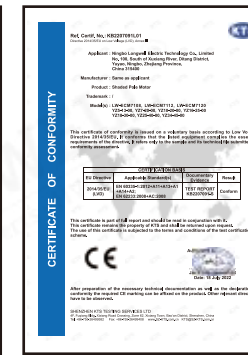
RoHS



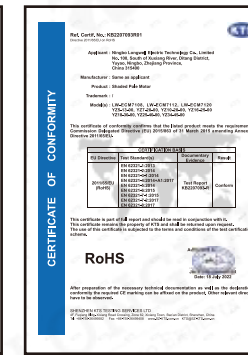
CE



CE



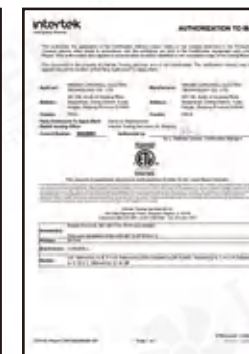
CE



RoHS



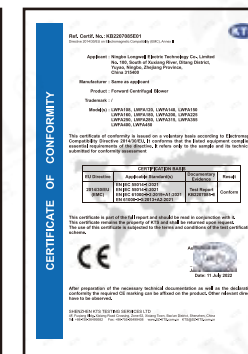
ETL



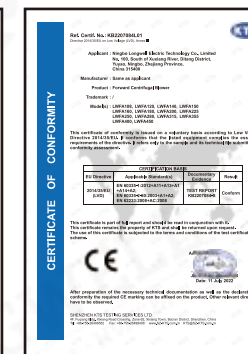
ETL



ETL



CE



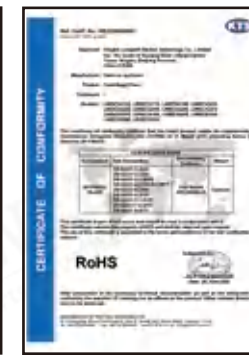
CE



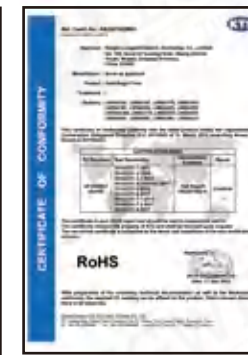
ISO 9001



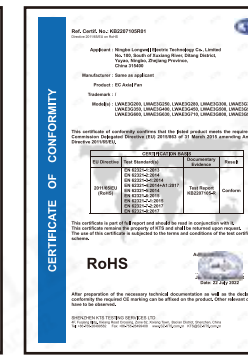
ISO 9001



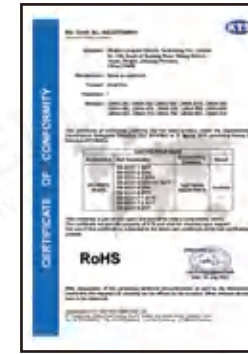
RoHS



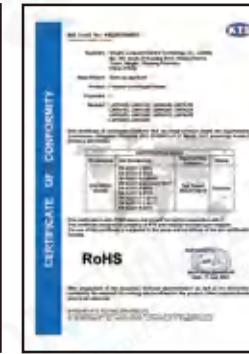
RoHS



RoHS



RoHS



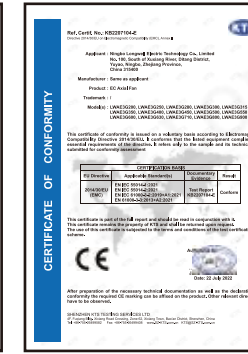
RoHS



CE



CE



CE

Type Code

LW F E 3G 108 - 072 N S - 01

Series number

T-380VAC S-230VAC U-115V
L-12VDC M-24VDC
H-48VDC Z-310VDC

N-Without housing/bracket
S-Single inlet with housing
D-Dual-inlet with housing
P-with bracket

Diameter of Rotor:072/092/102/138/188/218

Diameter of Impeller

2E-2pole 4E-4pole 6E-6 pole 6D-6pole
8D-8pole 3G-3 phase 1G-Single phase

A-AC D-DC E-EC

B-Backward F-Forward

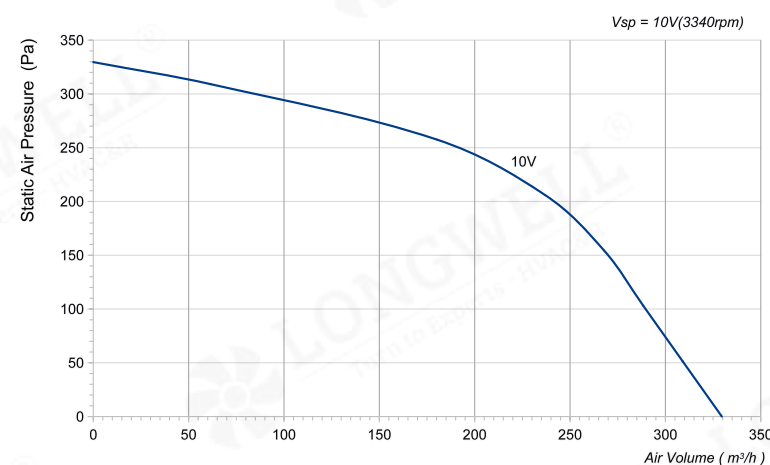
LW-Longwell

EC Forward Centrifugal Fan

Professional HVAC Fan & Motors Manufacturer



LWFE-108 Serise



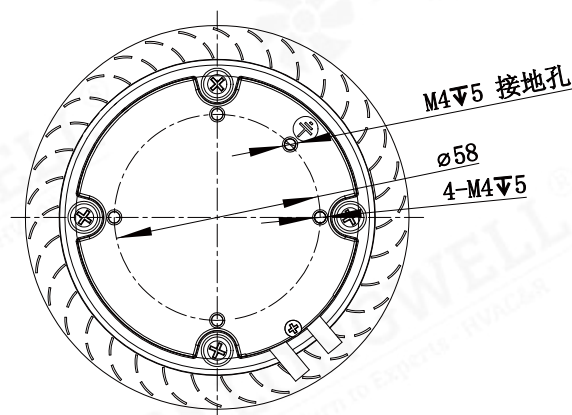
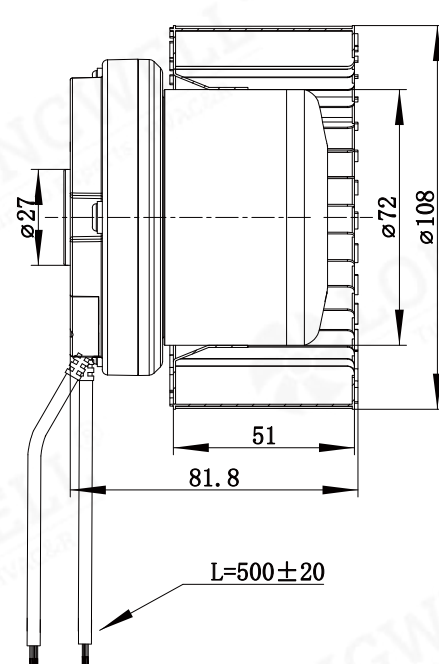
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

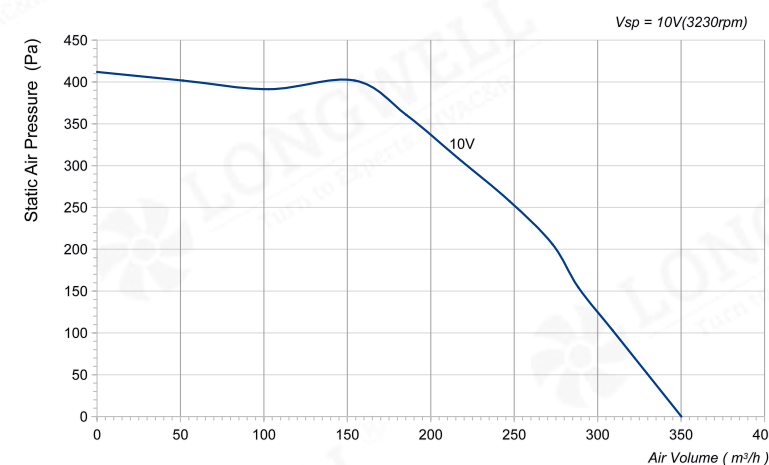


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G108-072NS-01	230	50/60	82	0.65	3340	330	330	57	/



LWFE-120 Serise



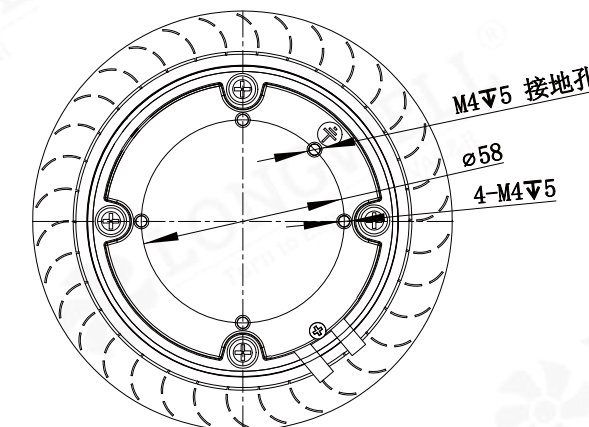
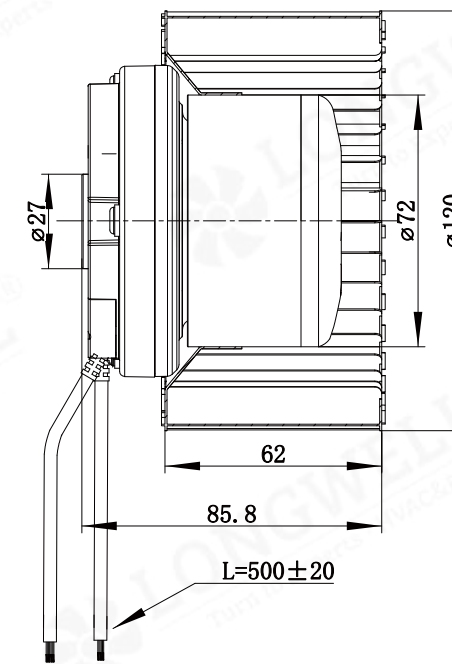
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

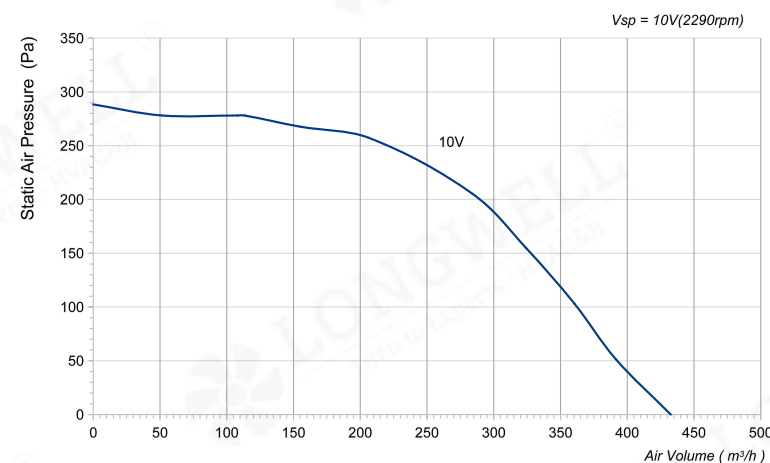


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G120-072NS-01	230	50/60	90	0.67	3230	350	412	67	/



LWFE-133 Serise



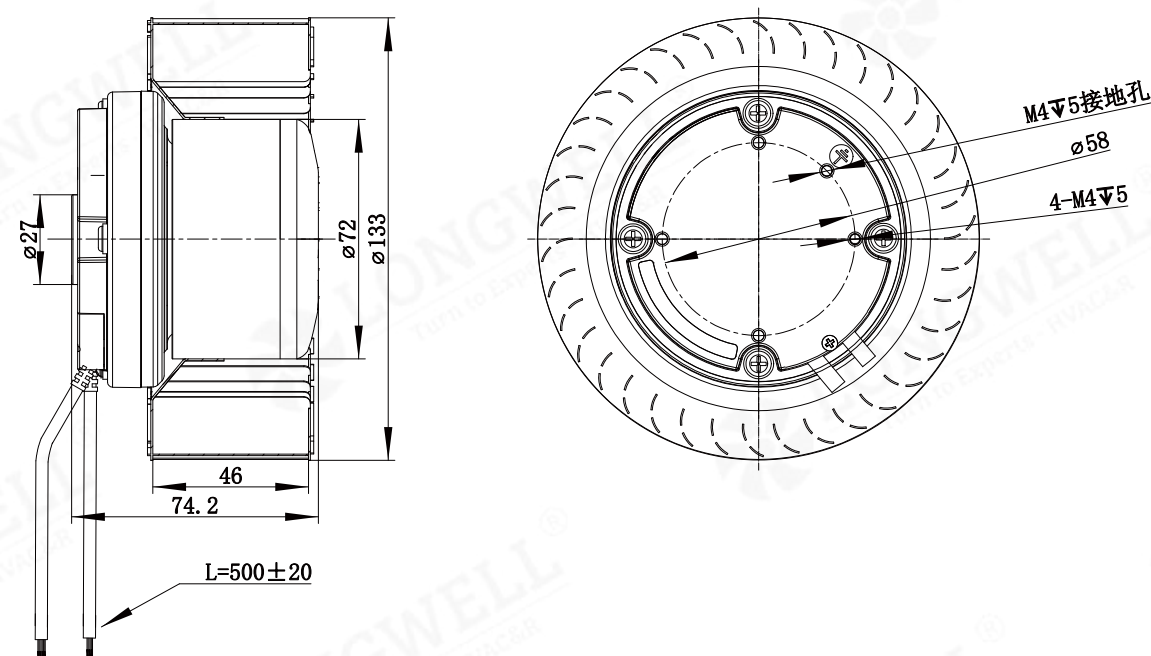
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

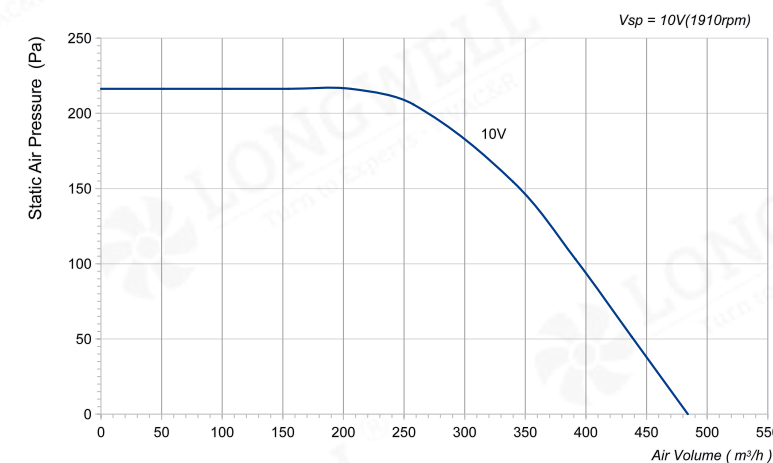


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G133-072NS-01	230	50/60	85	0.67	2290	433	288	63	/



LWFE-140 Serise



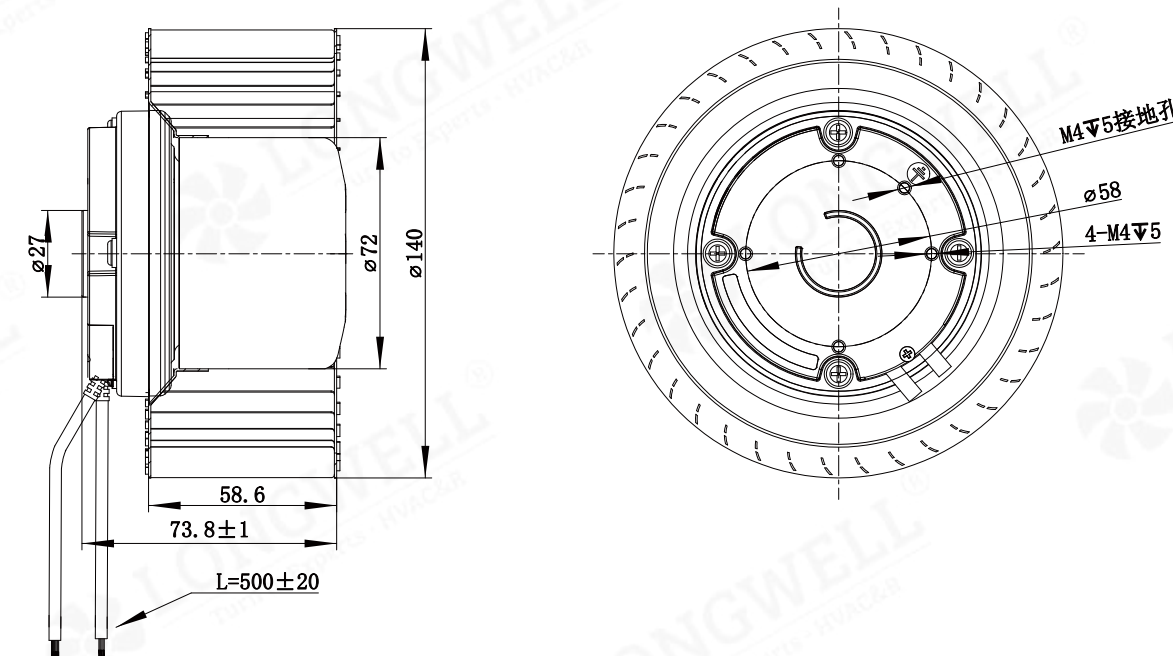
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

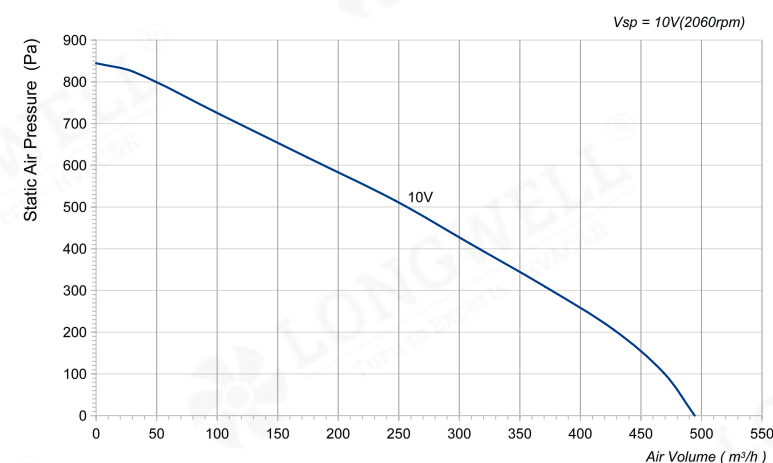


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072NS-01	230	50/60	70	0.58	1910	484	216	72	/



LWFE-140 Serise



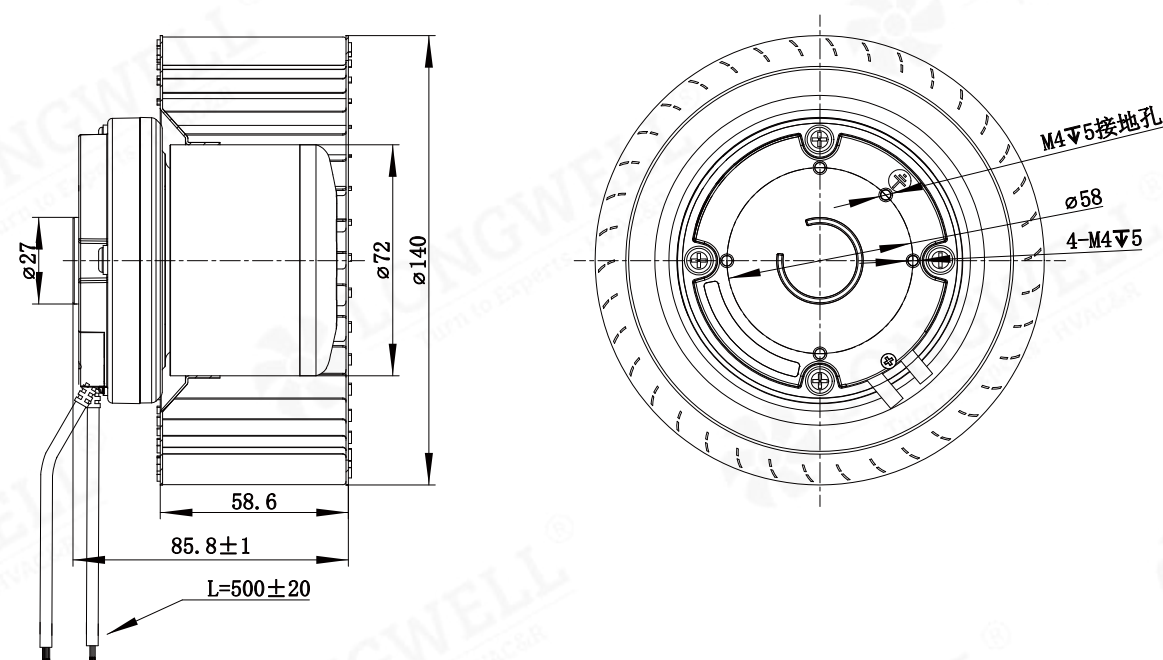
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

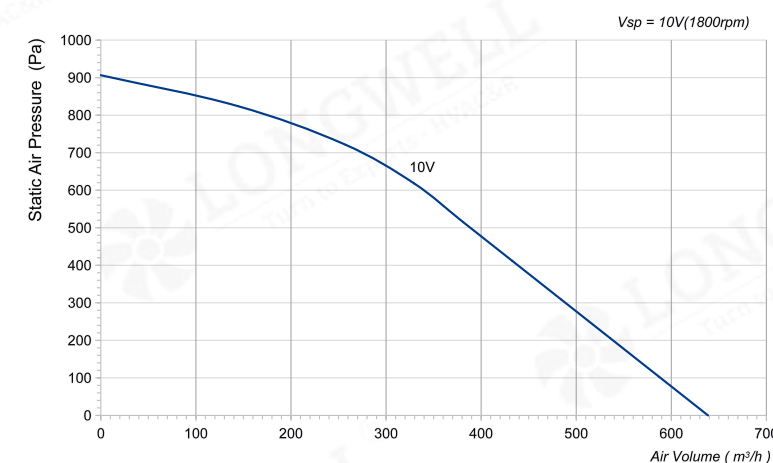


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072NS-02	230	50/60	115	0.85	2060	494	845	74	/



LWFE-160 Serise



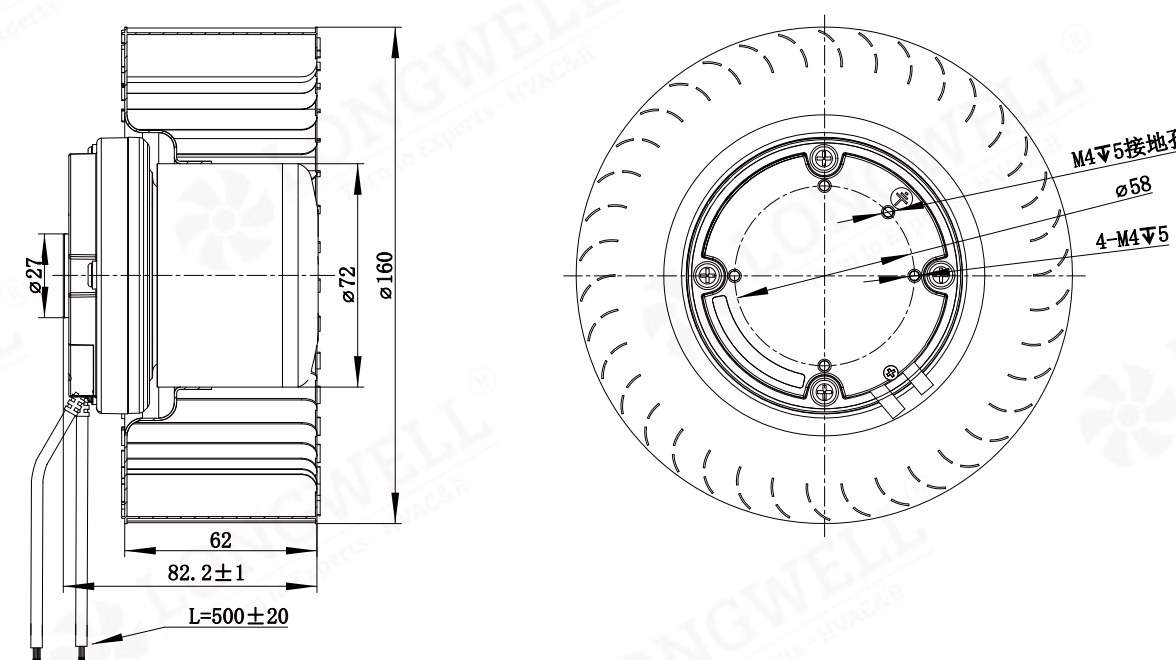
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

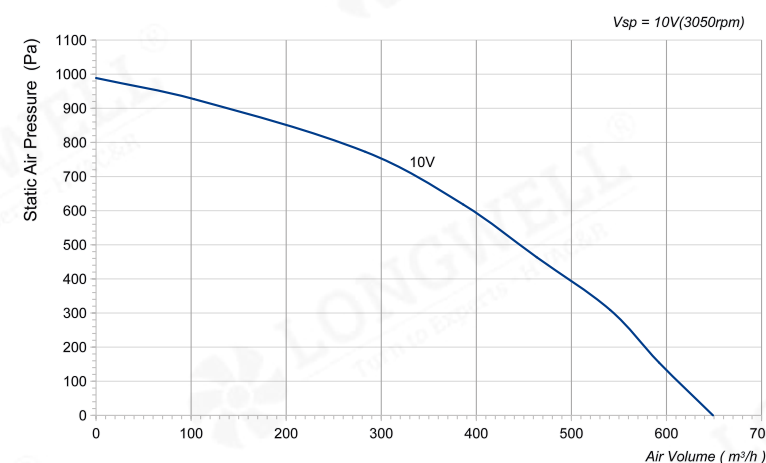


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072NS-01	230	50/60	115	0.85	1800	639	906	64	/



LWFE-160 Serise



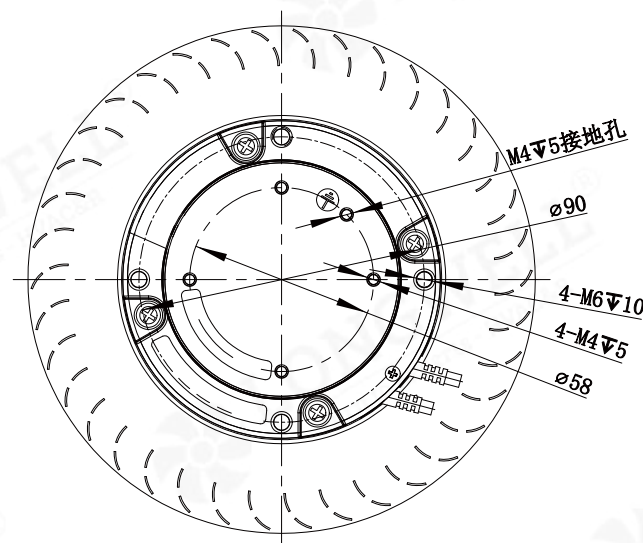
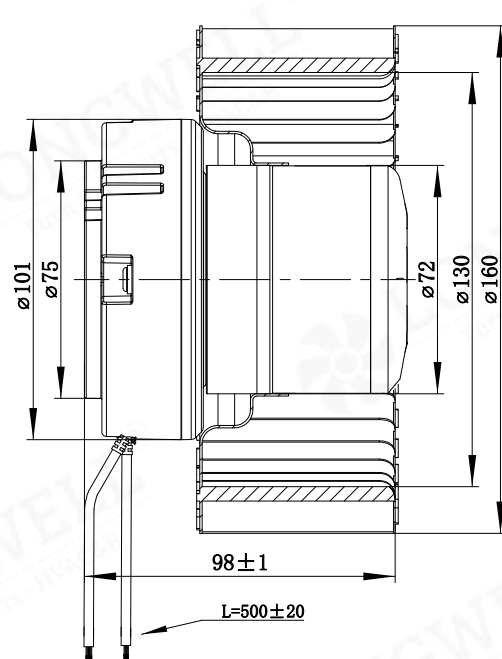
Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C

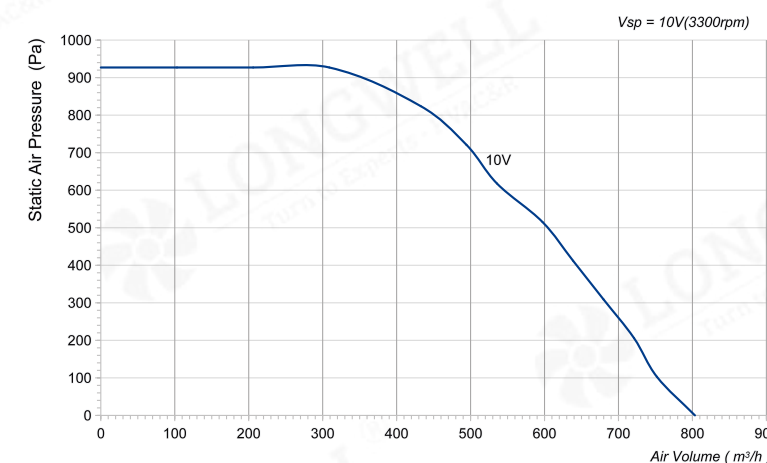


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072NS-02	230	50/60	155	1.1	3050	649	989	68	/



LWFE-160 Serise



Product Characteristic

- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30 C ~ +60 C



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-092NS-03	230	50/60	230	1.65	3300	803	927	75	/

