Engineered for the Critical

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



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

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Phone: 0086 183 5827 4663
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Email: sales@zjlongwell.com

CE RoHS ETL BSCI ISO EAC UL LVD

LONGWELL®
Turn to Experts - HVAC&R

LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner for Mission-Critical Environments







Professional Manufacturer of HVACR Fan & Motors

—— EC Forward Centrifugal Fan

Longwell Group
Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe

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06-14 EC Forward Centrifugal Fan(Φ108-160)

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About Longwell

The Ventilation and Drive Technology Partner for Mission-Critical Environments

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.

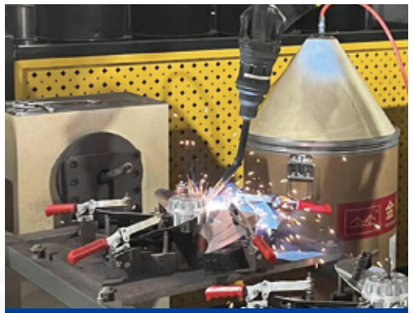
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials 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.

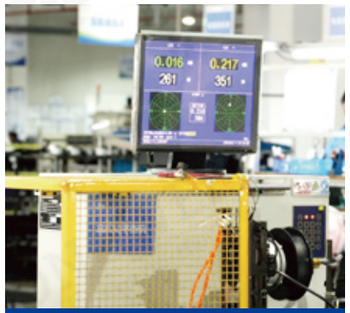
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193	40000㎡	500+	1Million+PCS	6	50+
Staff	Floor Space	Branding Clients	Annual Outputs	Overseas offices on spot support	Members R&D Team


B&K Noise Testing Lab


Production Line


Automatic Welding

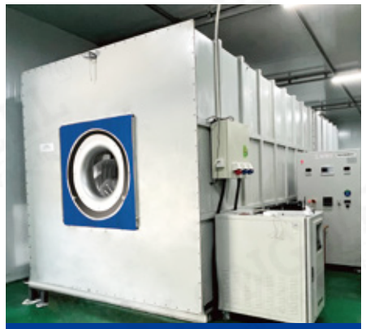


Balance Machine


Automatic Welding Machine


Production Line - Centrifugal Fan


Automatic CNC machine


Air Dynamic Test Lab


Production Line - Axial Fans


Production Line

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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 - Hightest Level in China

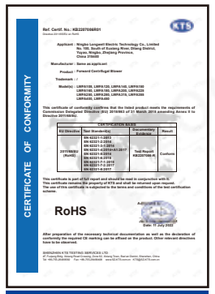

Own-Brand


Own-Brand


ETL


ETL

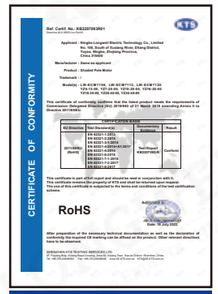

CE


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

- LW-Longwell
- F-Forward B-Backward
- E-EC A-AC D-DC
- 3G-3 phase 1G-Single phase 2E-2pole 4E-4pole 6E-6 pole 6D-6pole 8D-8pole
- 108-Diameter of Impeller
- 072/092/102/138/188/218-Diameter of Rotor
- N-Without housing/bracket S-Single inlet with housing D-Dual-inlet with housing P-with bracket
- S-230VAC T-380VAC U-115V L-12VDC M-24VDC H-48VDC Z-310VDC
- 01-Series number

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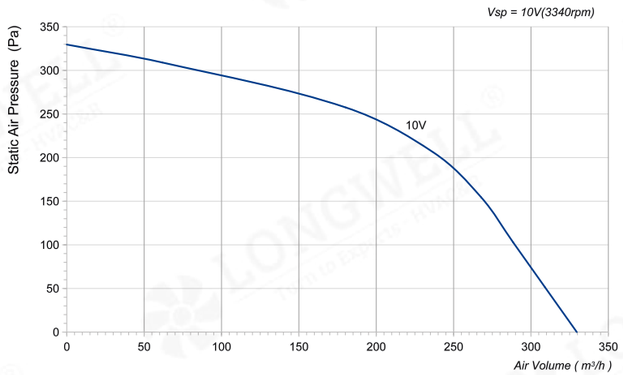
EC Forward Centrifugal Fan

Professional HVAC Fan &Motors Manufacturer



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LWFE-108 Serise





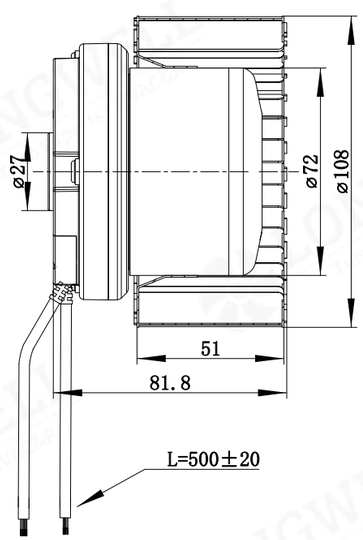
Product Characteristic

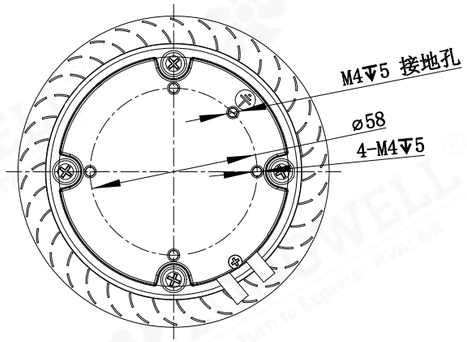
- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

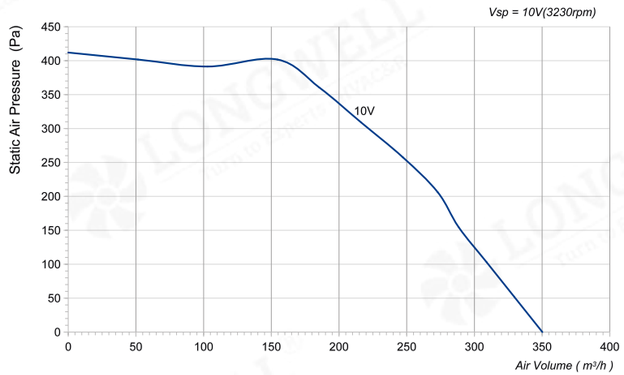
Technical Specifications

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





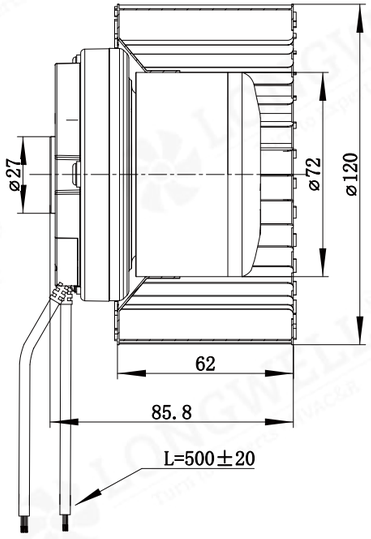
Product Characteristic

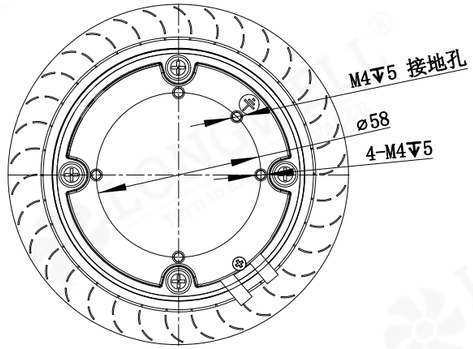
- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

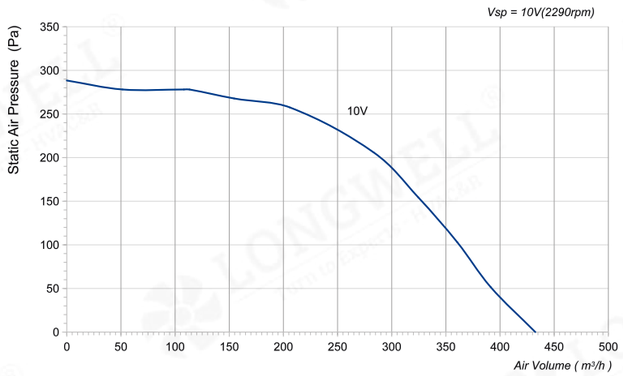
Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G120-072NS-01	230	50/60	90	0.67	3230	350	412	67	/





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LWFE-133 Serise



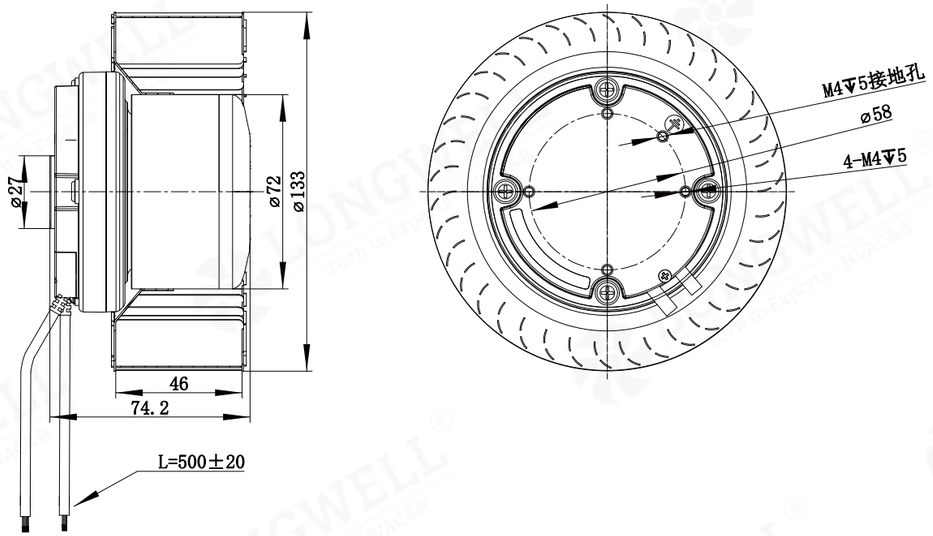


Product Characteristic

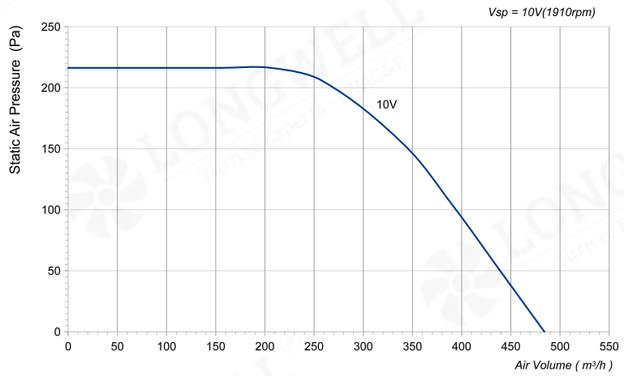
- Material: Galvanised sheet steel
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Insulation Class: B
- Operation Temperature: -30℃～+60℃

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



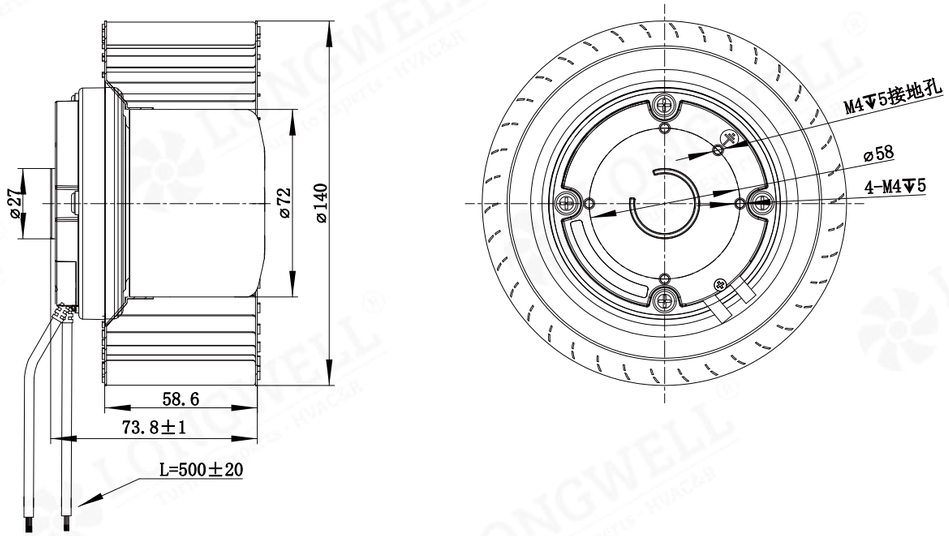


Product Characteristic

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

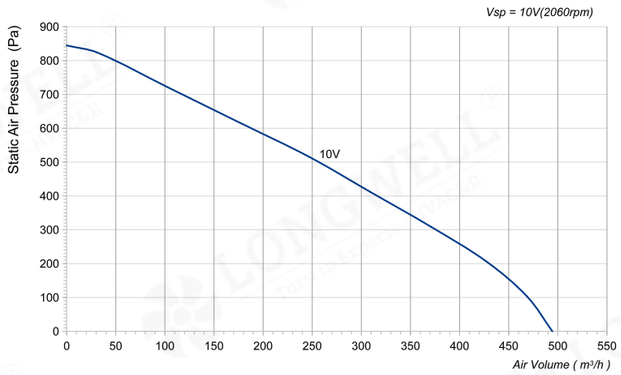
Technical Specifications

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	/



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LWFE-140 Serise





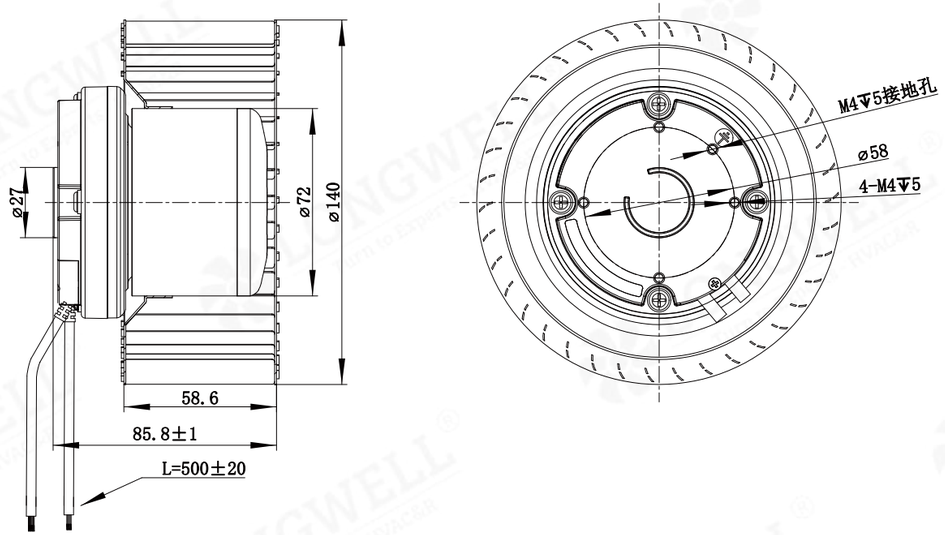
Product Characteristic

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

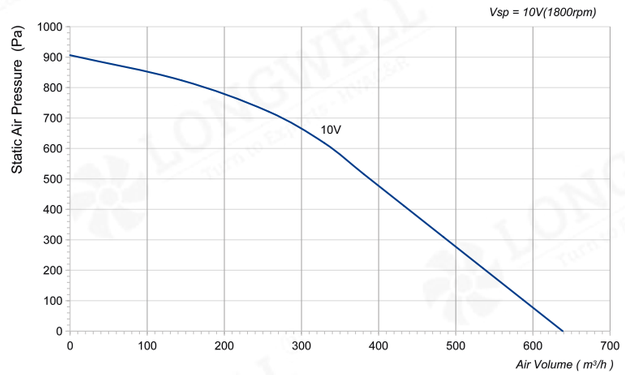
CE RoHS ETL BSCI ISO EAC UL LVD

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





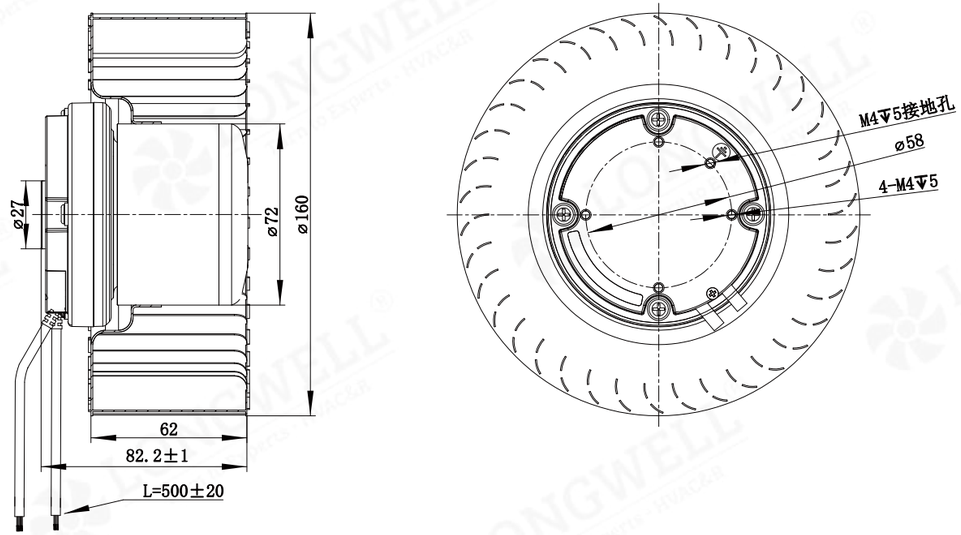
Product Characteristic

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

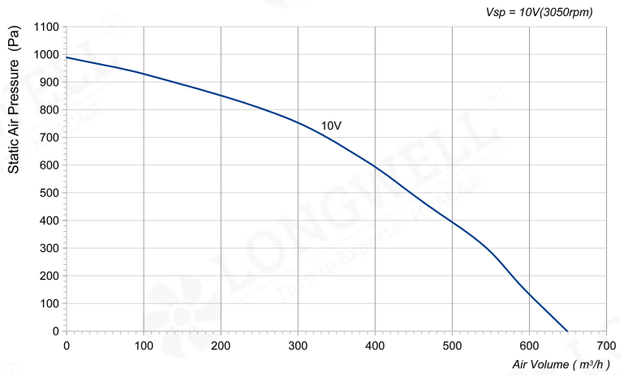
CE RoHS ETL BSCI ISO EAC UL LVD

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



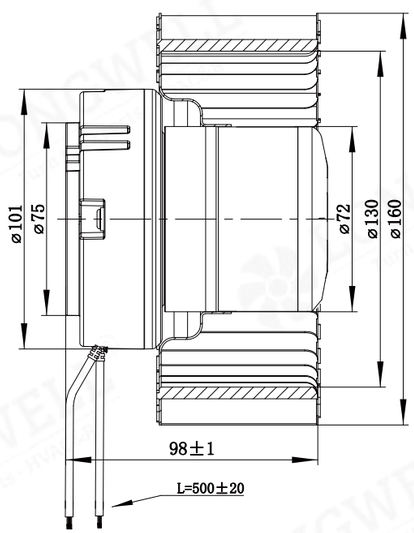


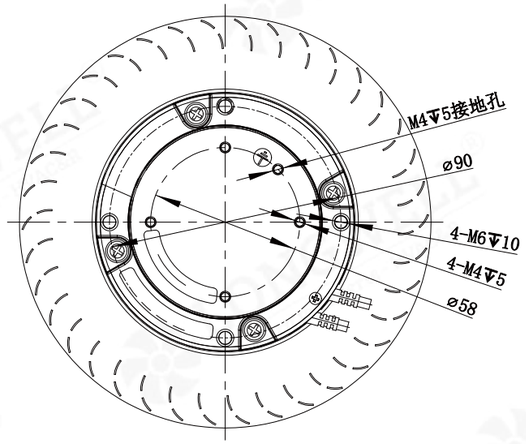
Product Characteristic

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

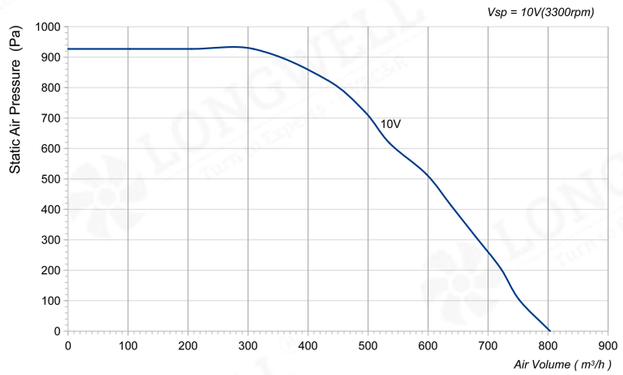
Technical Specifications

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	Type of Protection:	IP55
Bearing:	Maintenance-free ball bearings	Insulation Class:	B
Mode of Operation:	S1	Operation Temperature:	-30℃～+60℃

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	/

