Delivery Premium Quality Fans Globally for Healthier Breathing

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

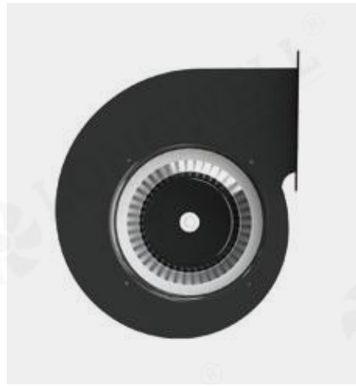
Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400
Tell: +86 574 6218 9863
Fax: +86 574 6218 9863
Phone: +86 180 5854 5395
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
Email: sales@longwellfans.com

CE RoHS BSCI ISO EAC UL LVD

LONGWELL®
Turn to Experts - HVAC&R

LONGWELL TECHNOLOGY

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







Professional Manufacturer of HVACR Fan & Motors

—— EC Single Inlet Forward Centrifugal Blower

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

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https://www.longwellfans.com Email:sales@longwellfans.com







CATALOGUE

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03-04 Testing and Standards

05 Type Code

06-14 EC Single Inlet Forward Centrifugal Blower(Φ120-Φ150)

08-27 EC Single Inlet Forward Centrifugal Blower(Φ160-Φ250)

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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.

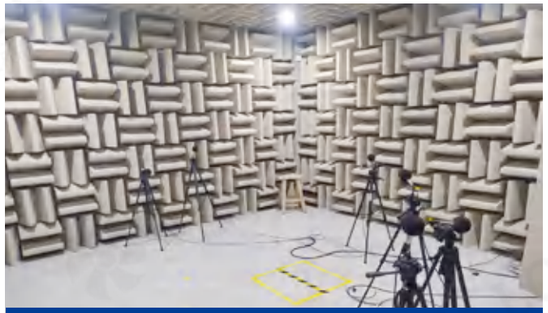
Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

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.

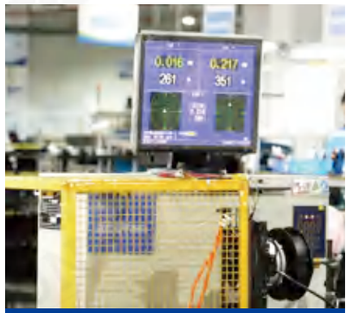
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193	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

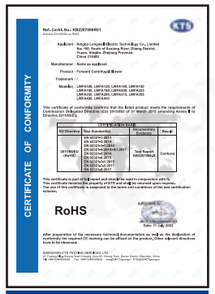

Own-Brand


Own-Brand


ETL


ETL

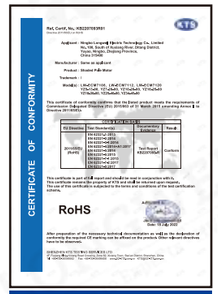

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL

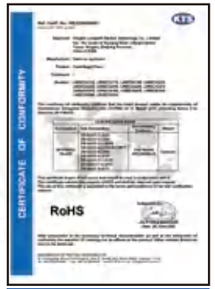

ETL


CE

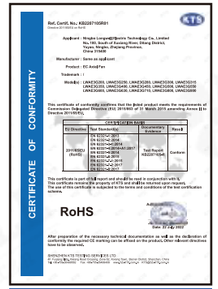

CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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EC Single Inlet Forward Centrifugal Blower

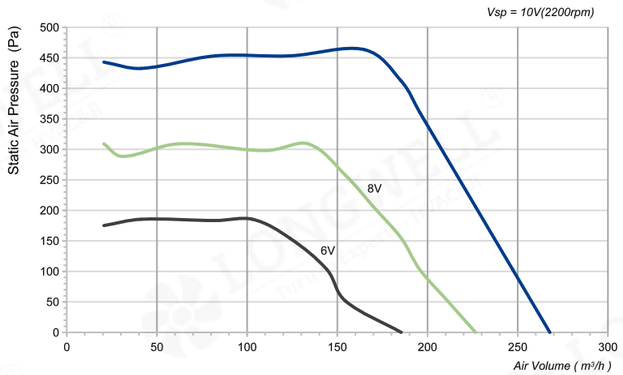
Type Code

LW F E 3G 120 - 072 S 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



LWFE-120 Serise





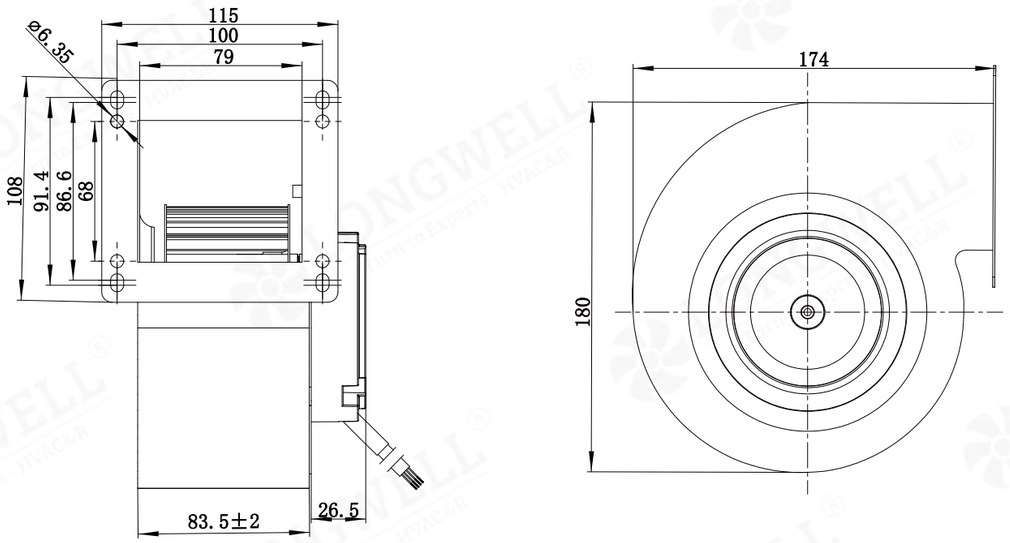
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

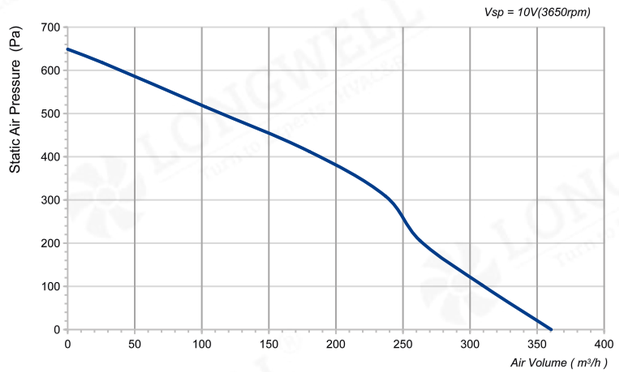
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G120-072SS-01	230	50/60	42	0.3	2200	268	443	60	/



LWFE-120 Serise





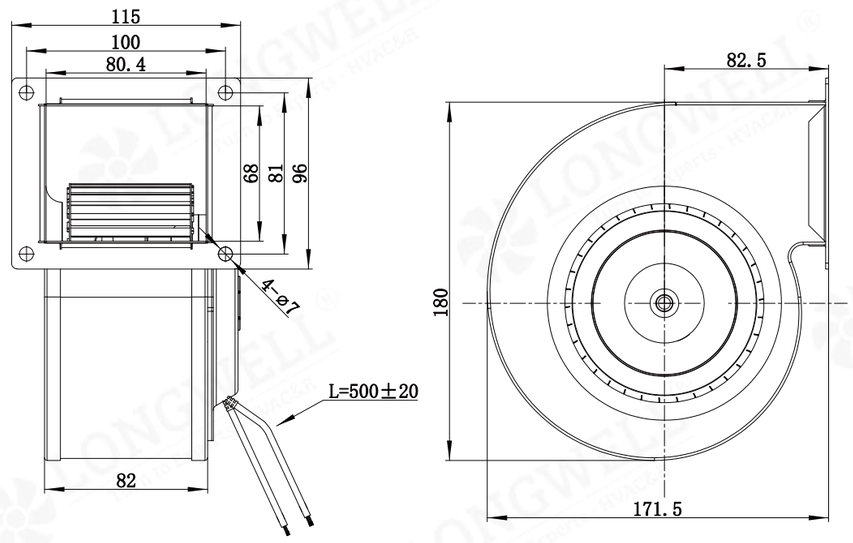
Product Characteristic

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

CE RoHS ETL BSCI ISO EAC UL LVD

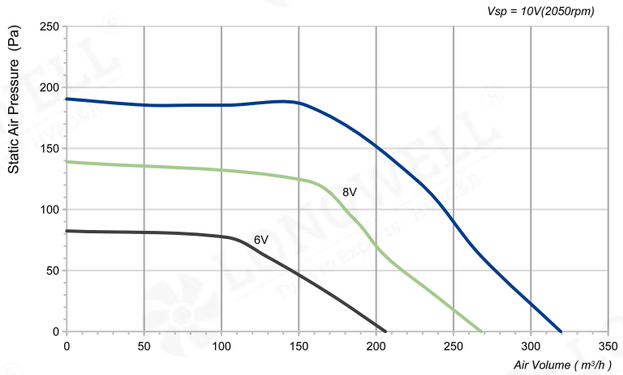
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G120-072SS-02	230	50/60	75	0.53	3650	361	649	61	/



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LWFE-133 Serise





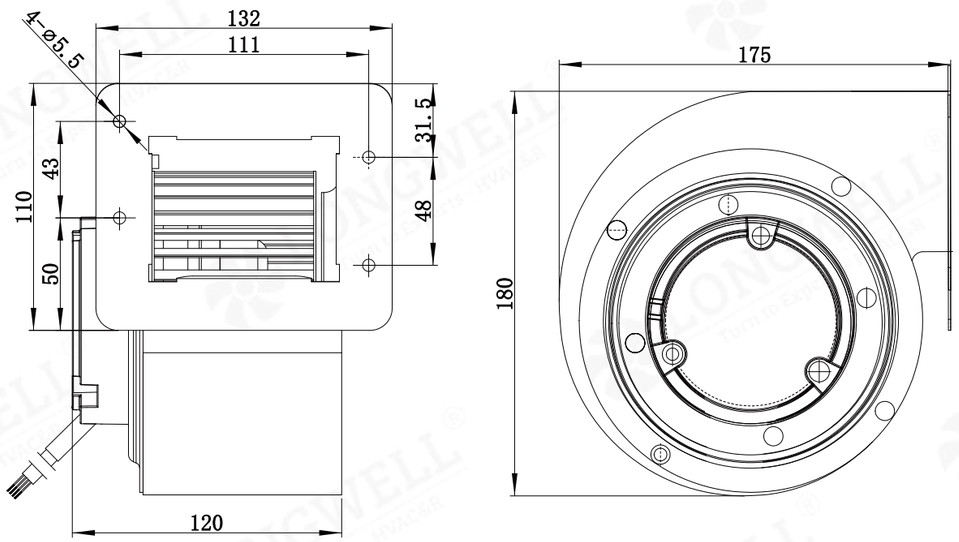
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

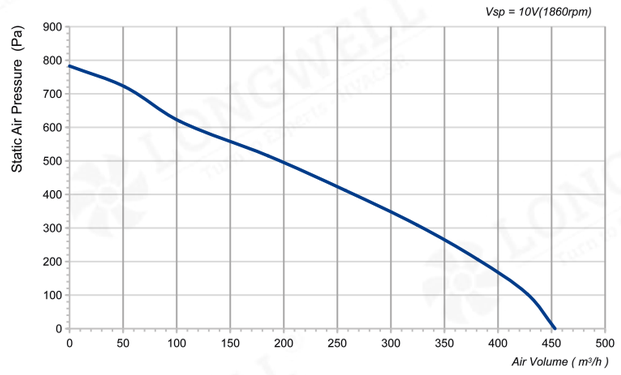
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G133-072SS-01	230	50/60	65	0.5	2050	319	191	68	/



LWFE-140 Serise





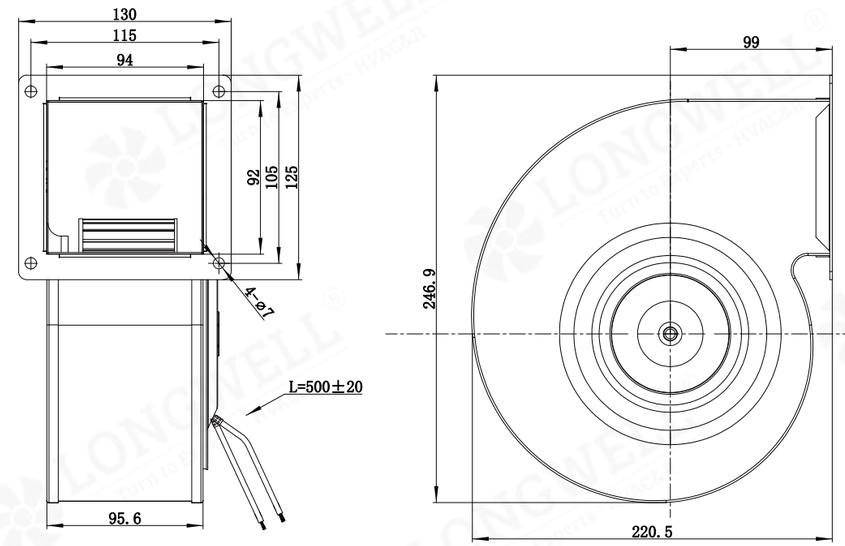
Product Characteristic

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

CE RoHS ETL BSCI ISO EAC UL LVD

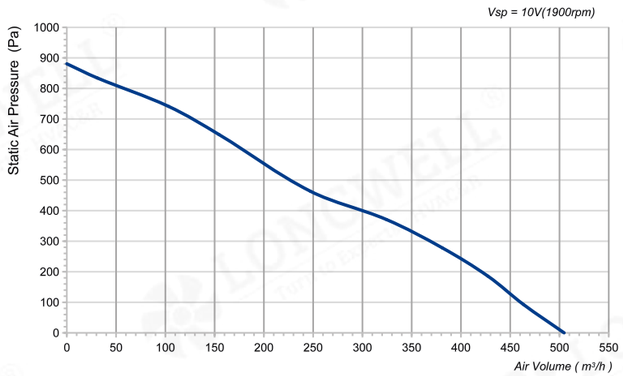
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072SS-01	230	50/60	85	0.62	1860	453	783	72	/



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LWFE-140 Serise





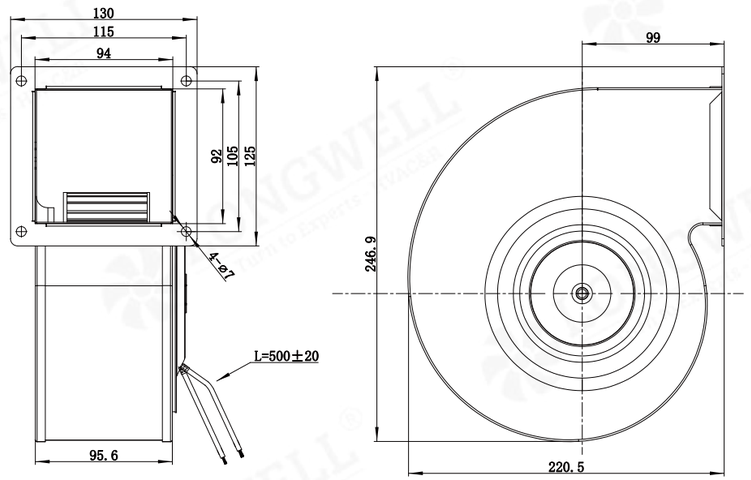
Product Characteristic

- Material: PA6+GF
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

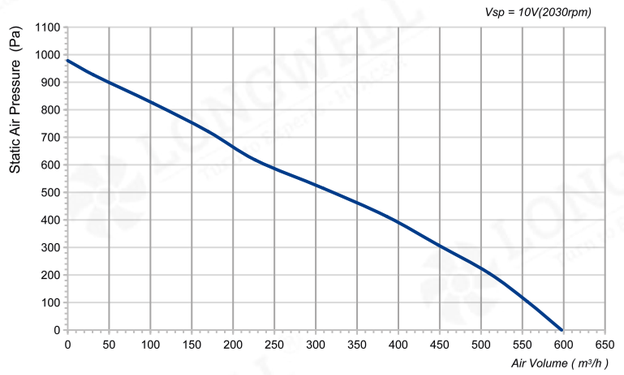
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072SS-02	230	50/60	85	0.62	1900	505	881	61	/



LWFE-140 Serise





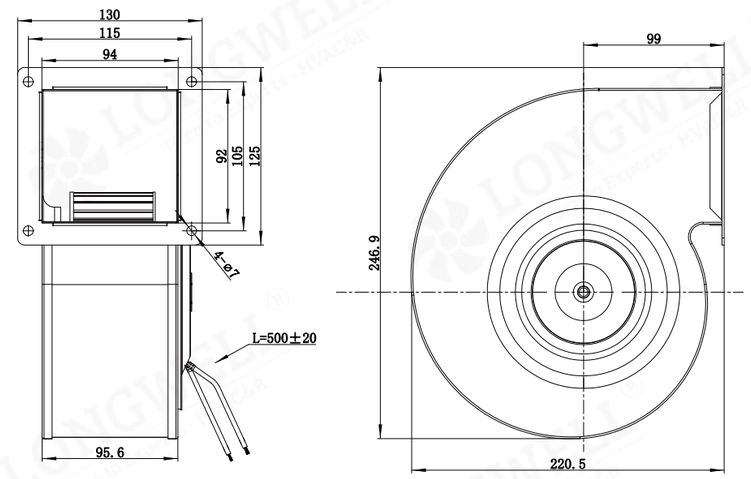
Product Characteristic

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

CE RoHS ETL BSCI ISO EAC UL LVD

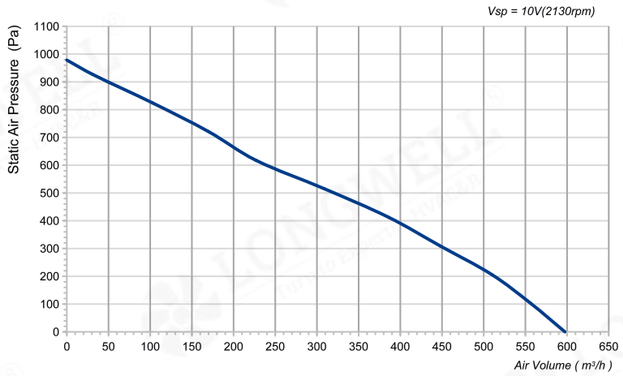
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072SS-03	230	50/60	110	0.8	2030	597	979	65	/



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LWFE-140 Serise





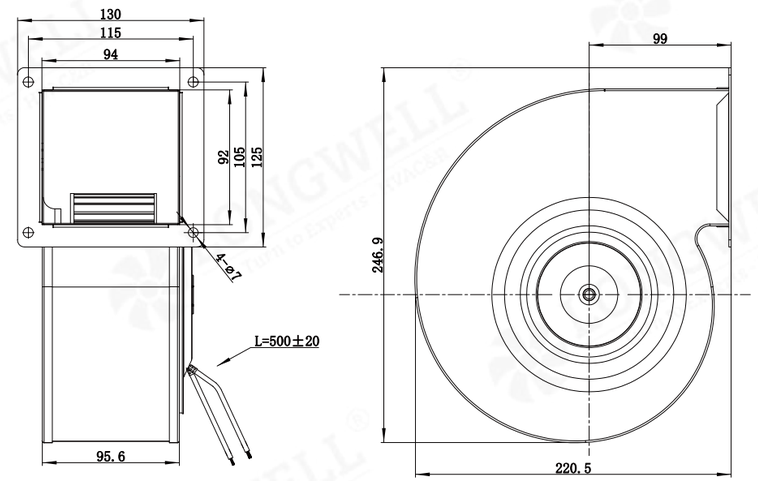
Product Characteristic

- Material: PA6+GF
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

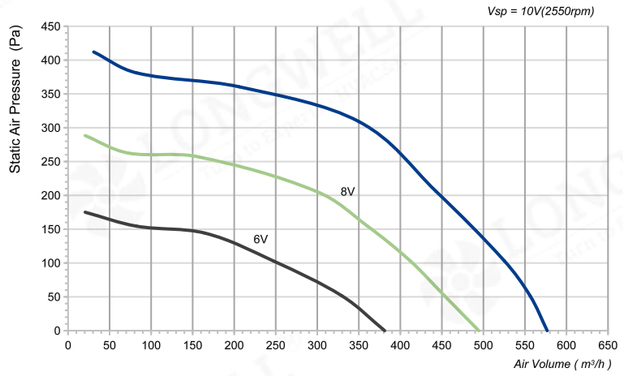
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G140-072SS-04	230	50/60	110	0.8	2130	597	979	65	/



LWFE-150 Serise





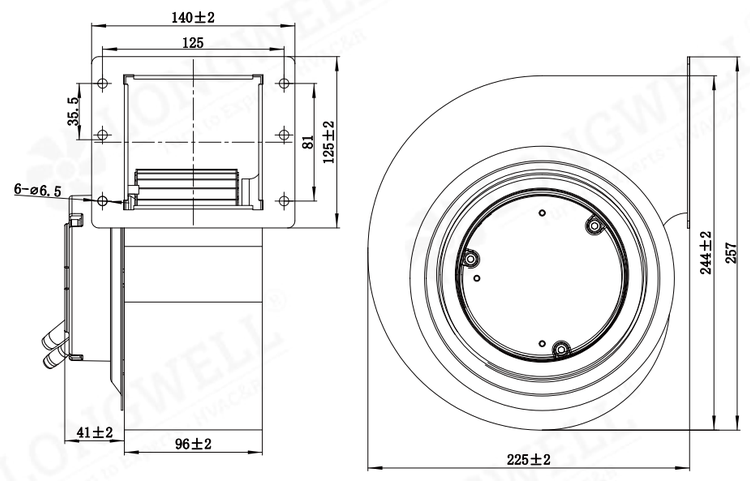
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

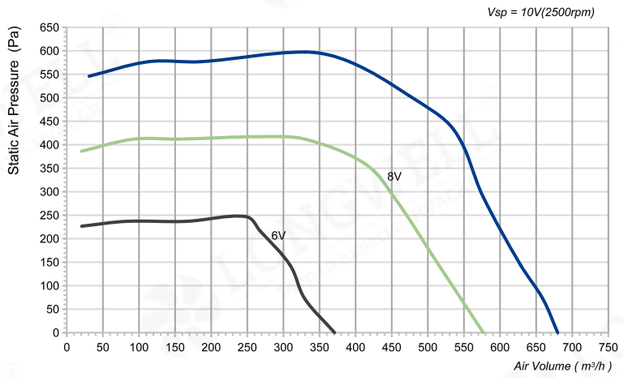
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G150-092SS-01	230	50/60	150	1.4	2550	577	412	72	/



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LWFE-160 Serise





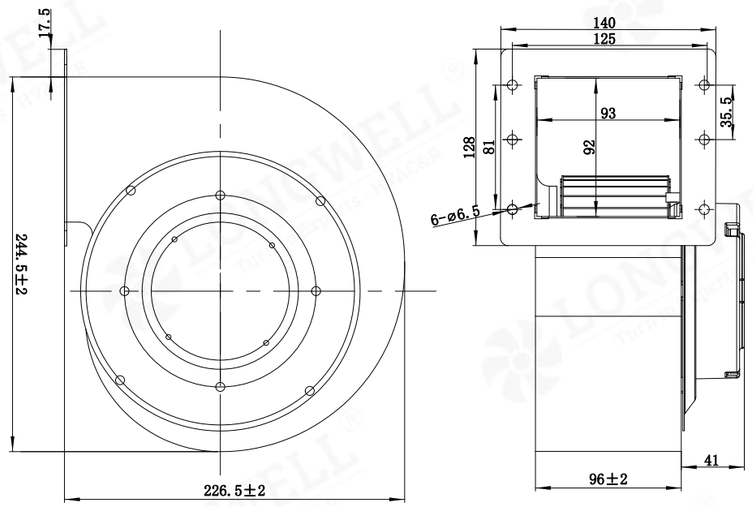
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

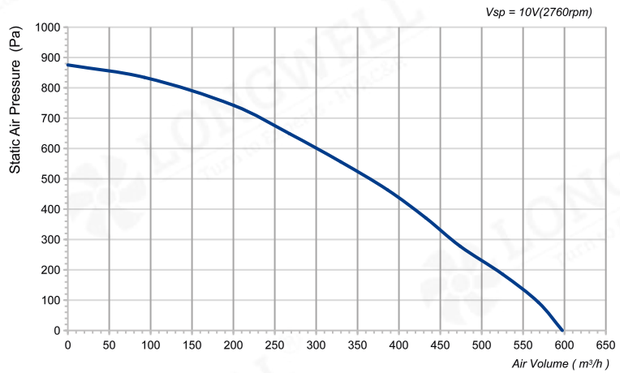
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-092SS-01	230	50/60	240	1.8	2500	680	556	72	/



LWFE-160 Serise





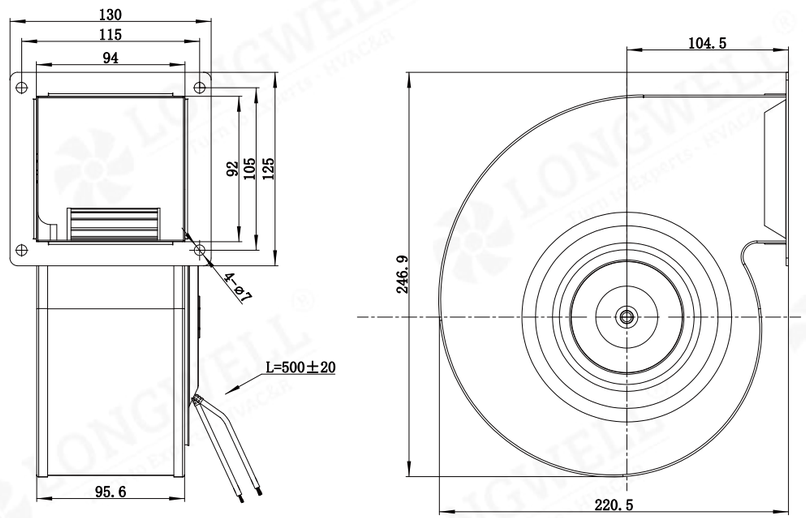
Product Characteristic

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

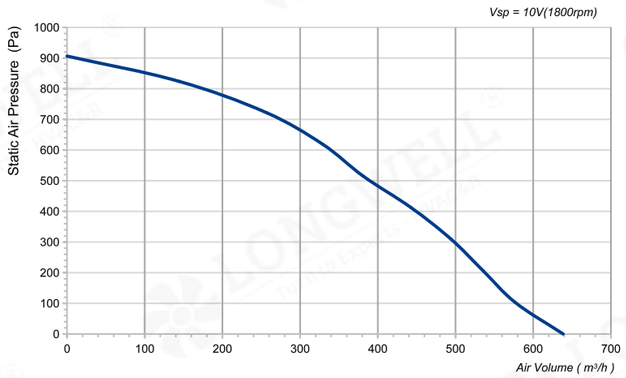
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072SS-03	230	50/60	115	0.9	2760	597	876	67	/



LWFE-160 Serise





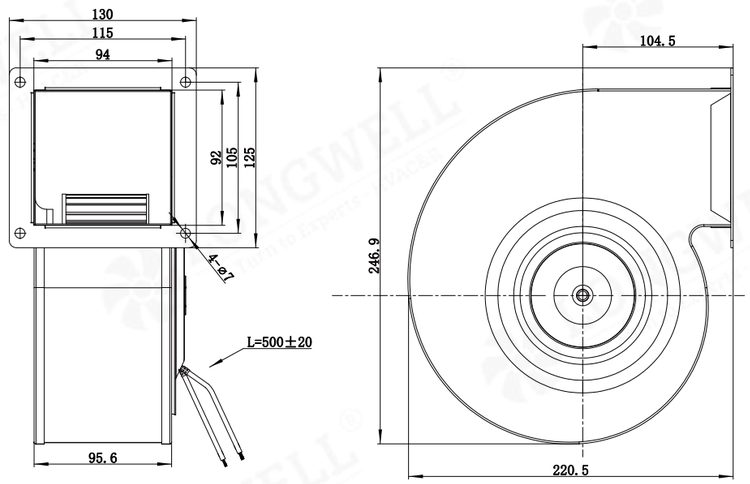
Product Characteristic

- Material: PA6+GF
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

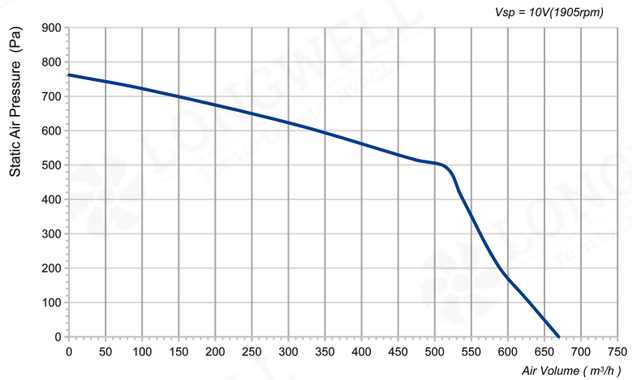
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072SS-06	230	50/60	115	0.85	1800	639	906	64	/



LWFE-160 Serise





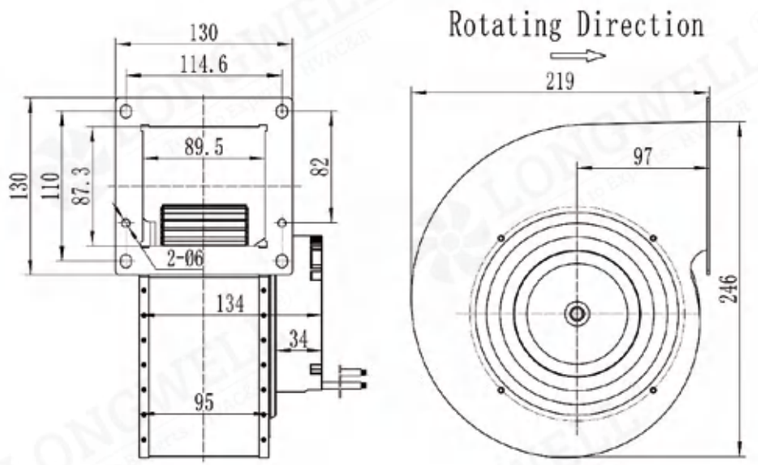
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

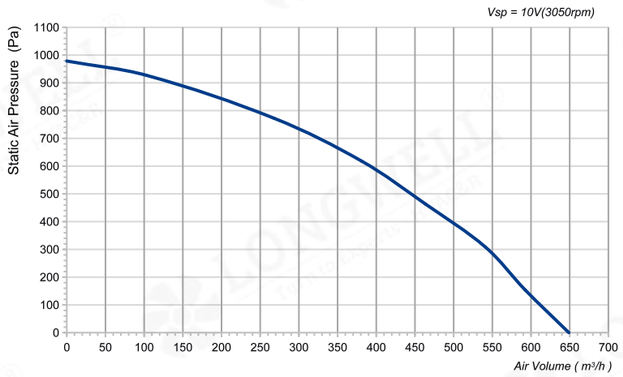
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-092SS-02	230	50/60	143	0.65	1905	666	773	/	/



LWFE-160 Serise





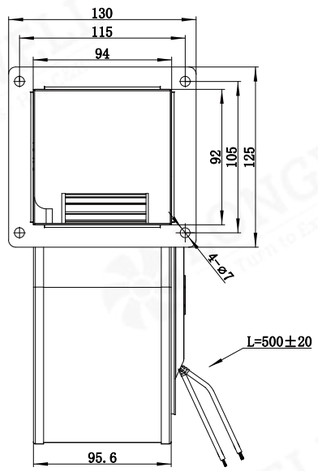
Product Characteristic

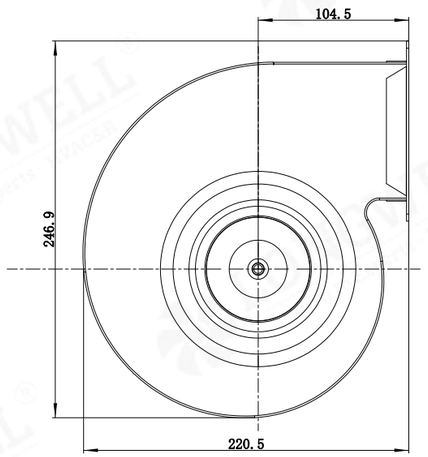
- Material: Galvanised sheet steel
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

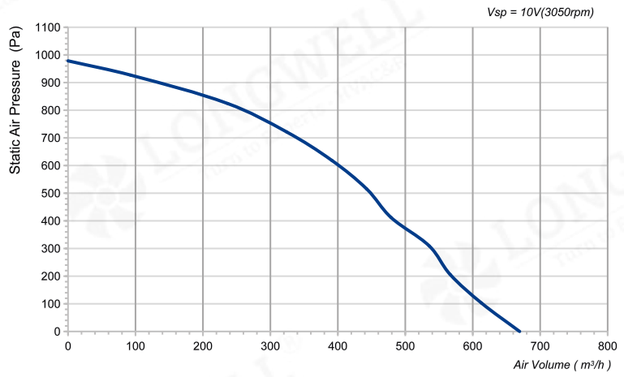
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072SS-04	230	50/60	155	1.1	3050	649	989	68	/





LWFE-160 Serise





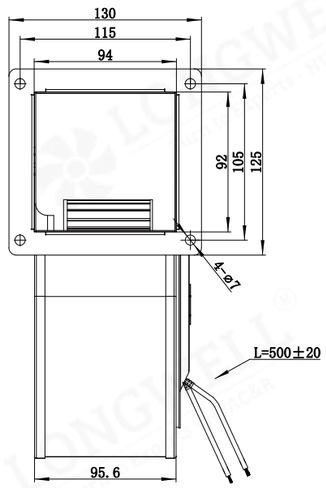
Product Characteristic

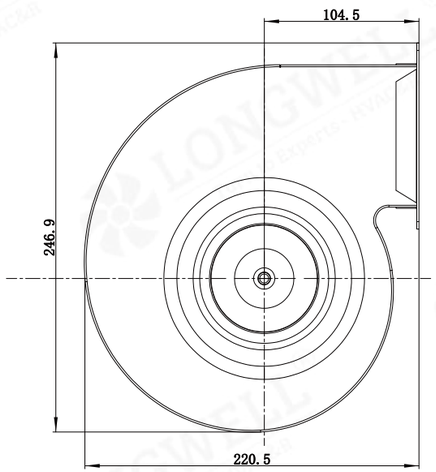
- Material: PA6+GF
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

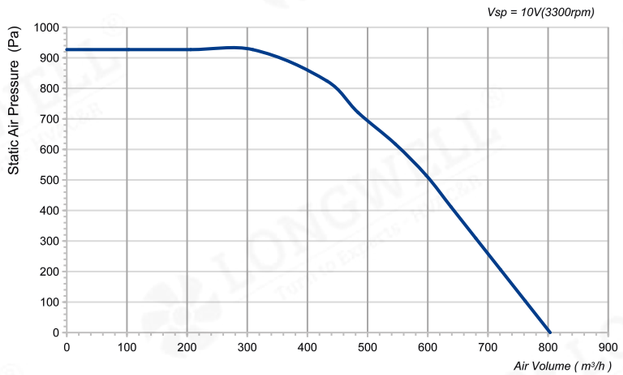
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-072SS-07	230	50/60	170	1.2	3050	670	979	67	/





LWFE-160 Serise





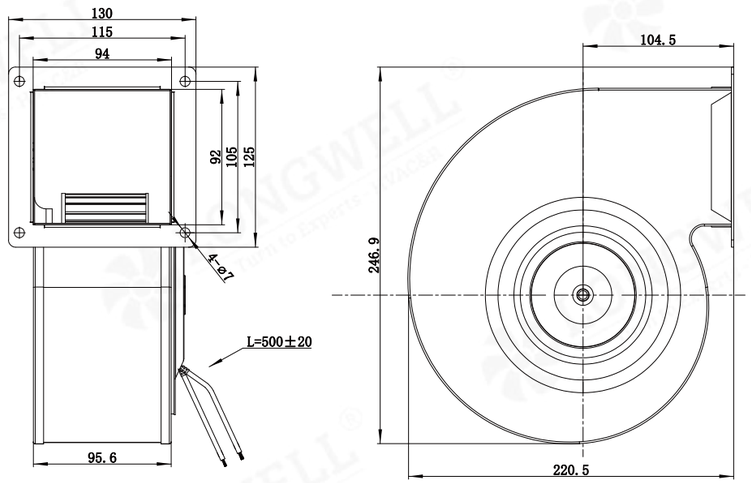
Product Characteristic

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

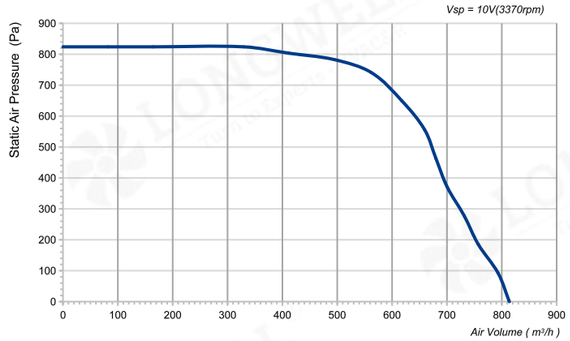
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-092SS-05	230	50/60	230	1.65	3300	803	927	75	/



LWFE-160 Serise





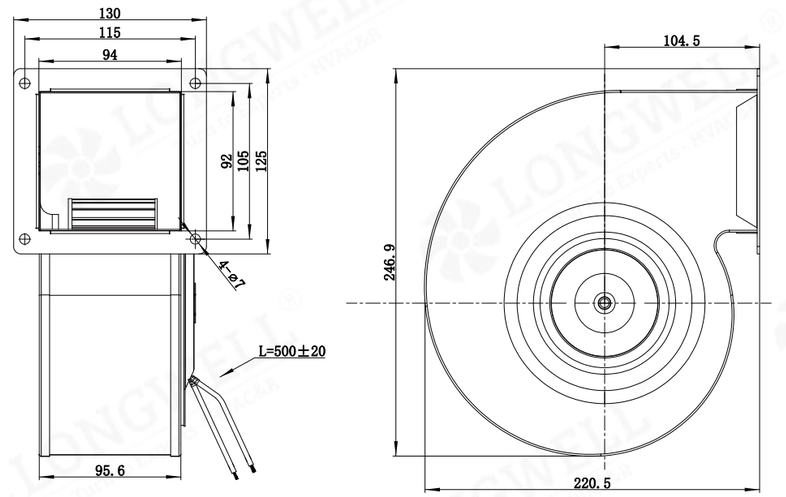
Product Characteristic

- Material: PA6+GF
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP55
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

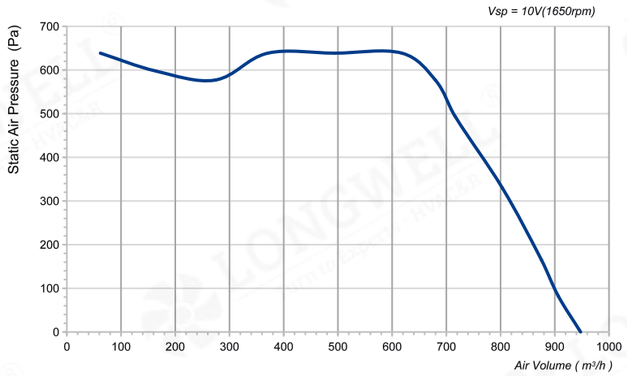
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G160-092SS-08	230	50/60	230	1.65	3370	814	824	73	/



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LWFE-180 Serise





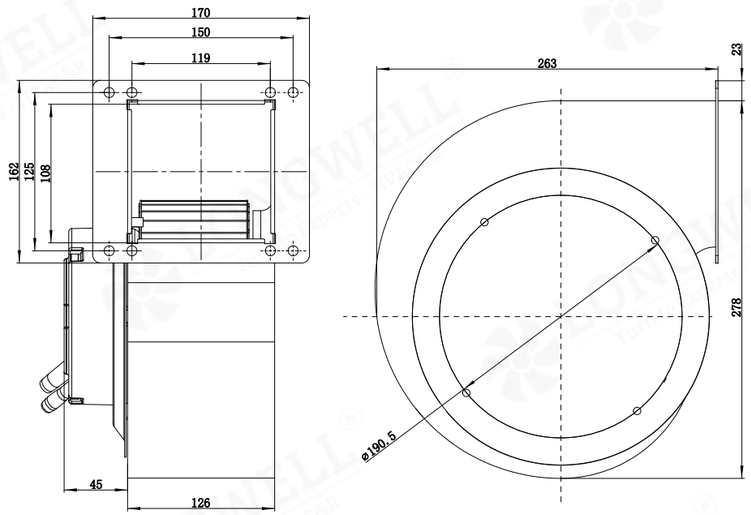
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

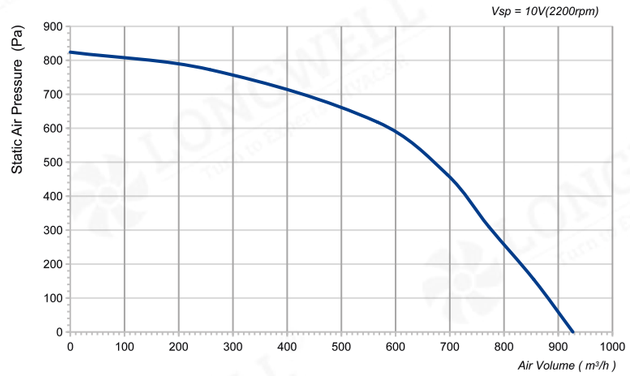
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G180-092SS-01	230	50/60	240	1.8	1650	948	639	68	/



LWFE-180 Serise





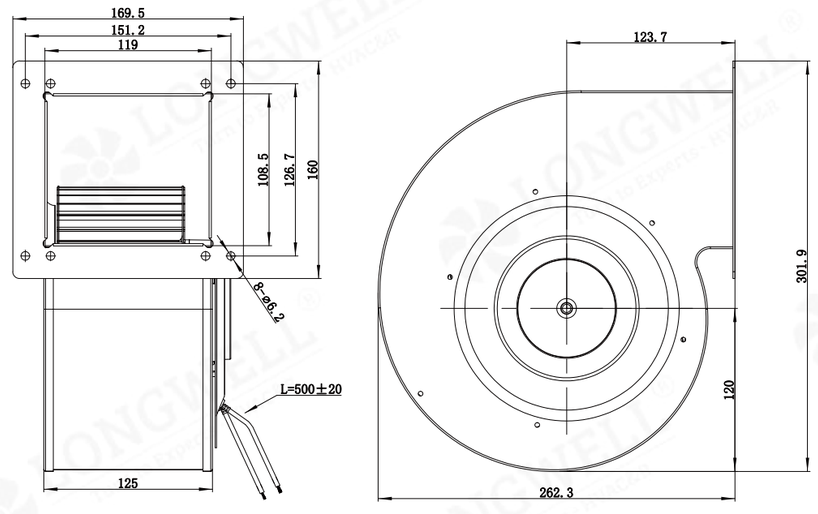
Product Characteristic

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

CE RoHS ETL BSCI ISO EAC UL LVD

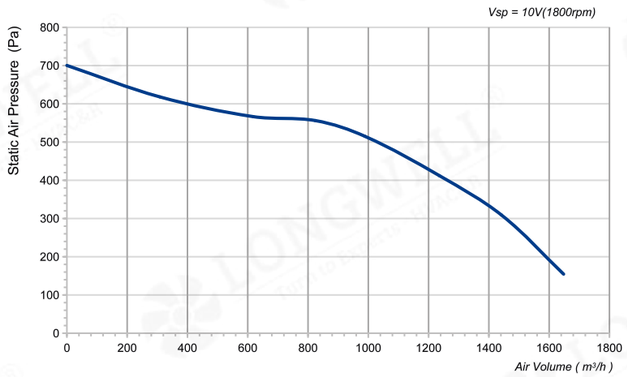
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G180-092SS-02	230	50/60	220	1.6	2200	927	824	68	/



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LWFE-200 Serise





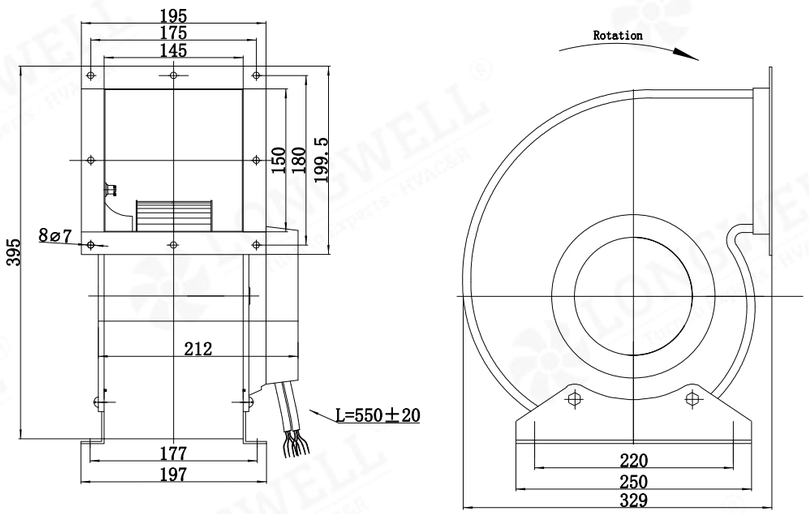
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

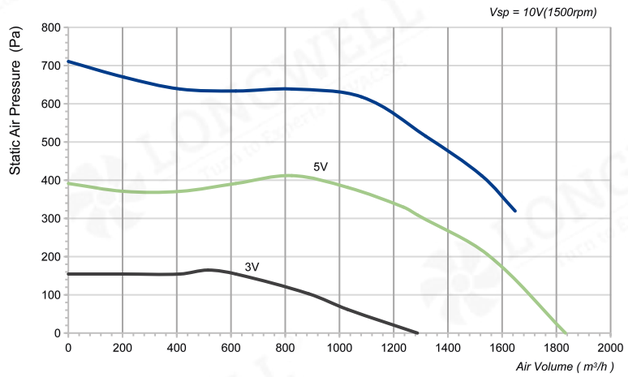
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G200-102SS-01	230	50/60	510	3.1	1800	1638	700	73	/



LWFE-225 Serise





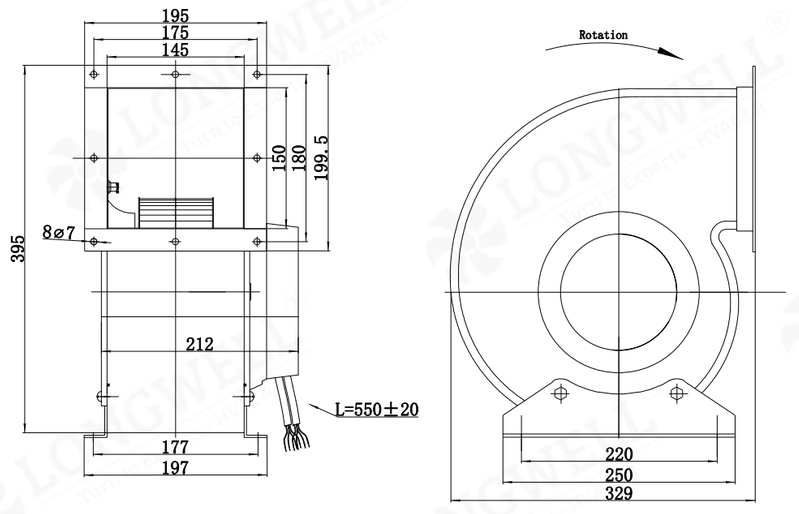
Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Operation Temperature: -30℃～+60℃

CE RoHS ETL BSCI ISO EAC UL LVD

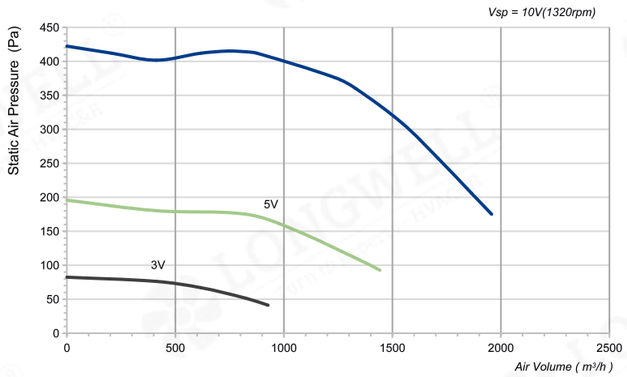
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFE3G225-102SS-01	230	50/60	505	3.1	1500	1648	711	77	/



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LWFE-250 Serise





Product Characteristic

- Material: Galvanised sheet steel
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- 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
LWFE3G250-102SS-01	230	50/60	500	2.9	1320	1957	422	78	/

