

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

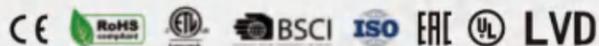
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Email: [sales@zjlongwell.com](mailto:sales@zjlongwell.com)



## LONGWELL TECHNOLOGY

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



Professional Manufacturer  
of HVACR Fan & Motors

— DC Single Inlet Forward Centrifugal Blower

Longwell Group

Longwell-China

Longwell-USA

Longwell-Russia

Longwell-Europe



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DC Single Inlet Forward  
Centrifugal Blower( $\Phi$ 120- $\Phi$ 180)

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# About Longwell

Born for High-Quality Breathing, LONGWELL Fans Power Your Equipment

OEM for Well-Known Brands

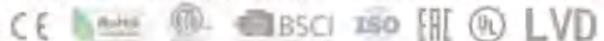
Supplies Fortune 500 Companies

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.



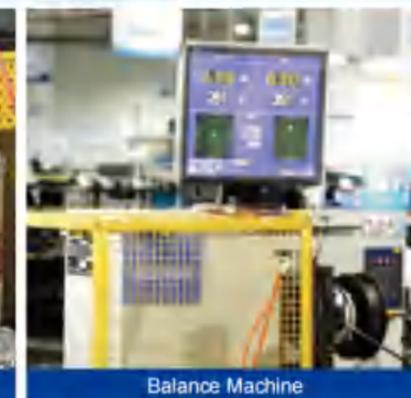
B&K Noise Testing Lab



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

40000m<sup>2</sup>

Floor Space

500<sup>+</sup>

Branding Clients

1 Million<sup>+</sup> PCS

Annual Outputs

6

Overseas offices on spot support

50<sup>+</sup>

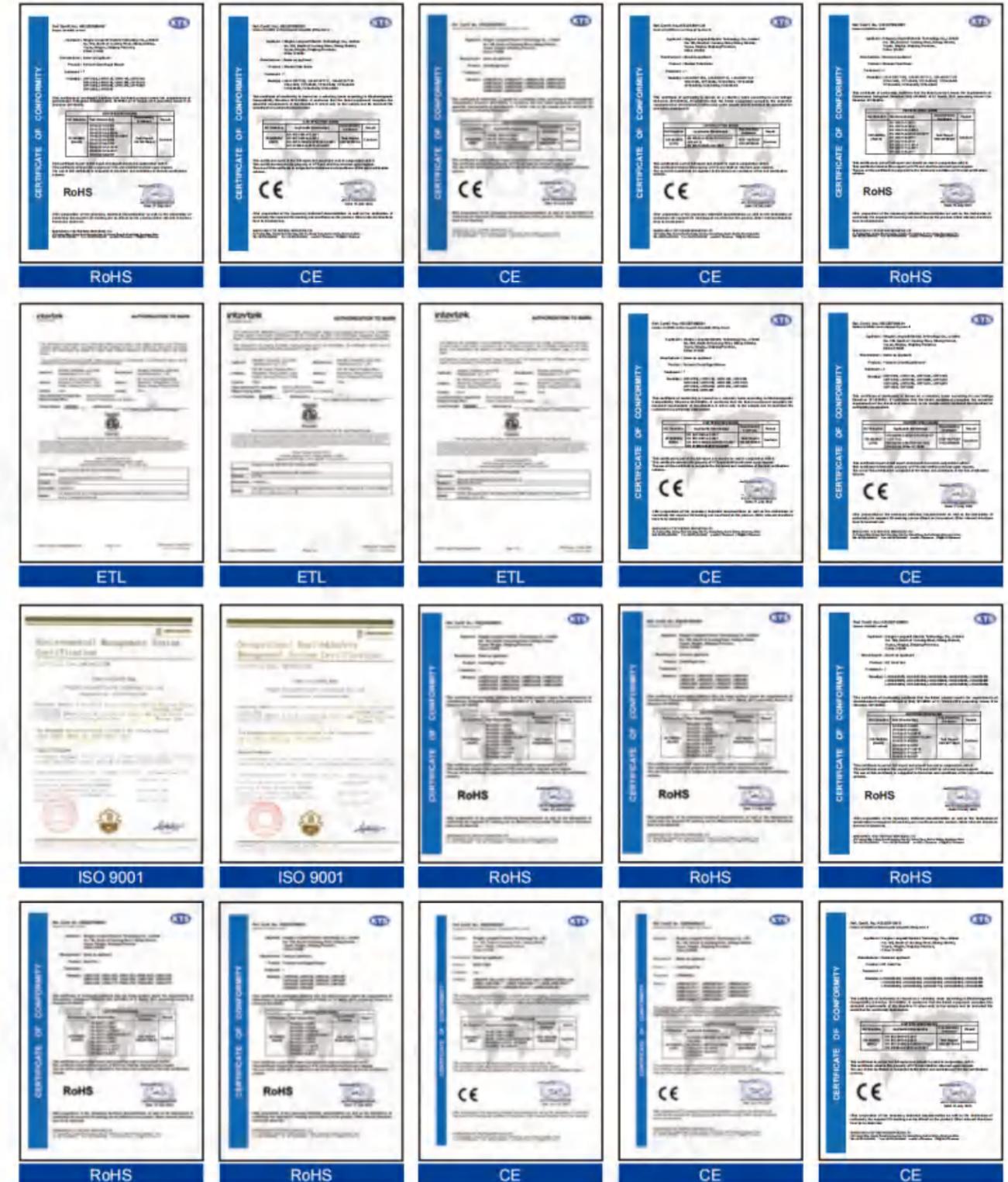
Members R&D Team

# 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 +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

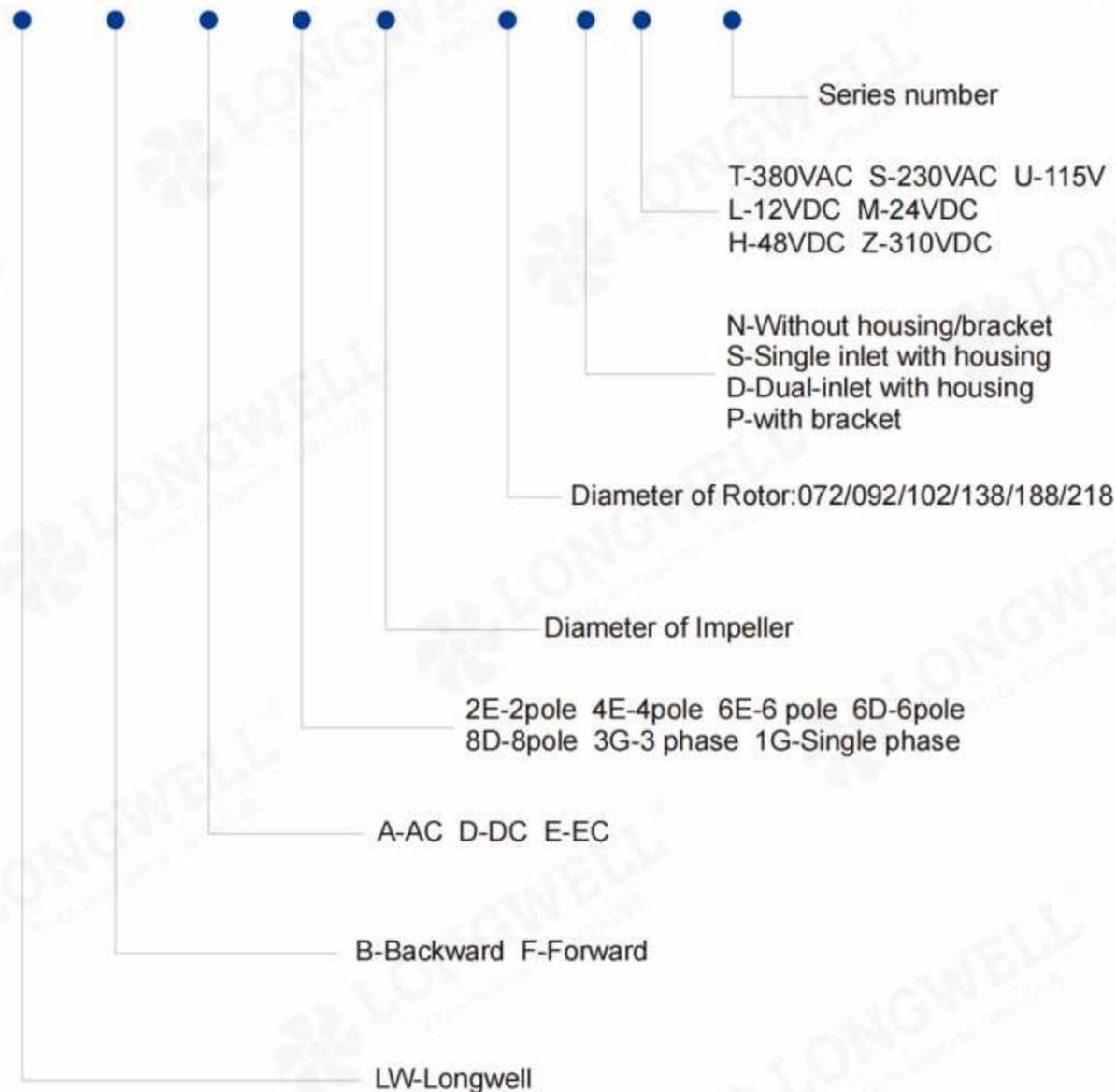


Enterprise Credit Evaluation Certificate - Highest Level in China



## Type Code

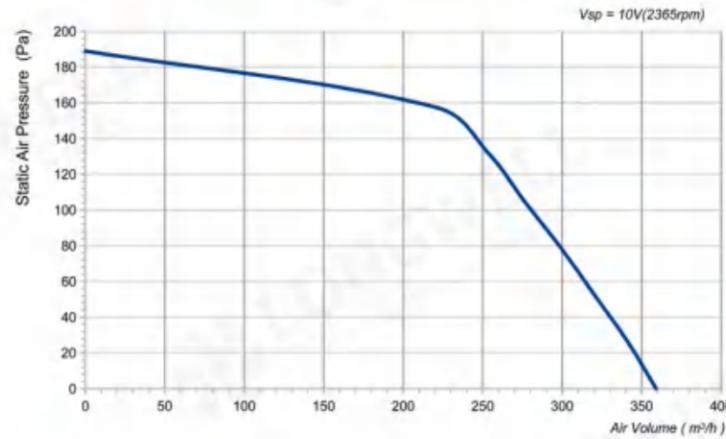
LW F D 3G 120 - 072 S H- 01



# DC Single Inlet Forward Centrifugal Blower



# LWFD-120 Serie



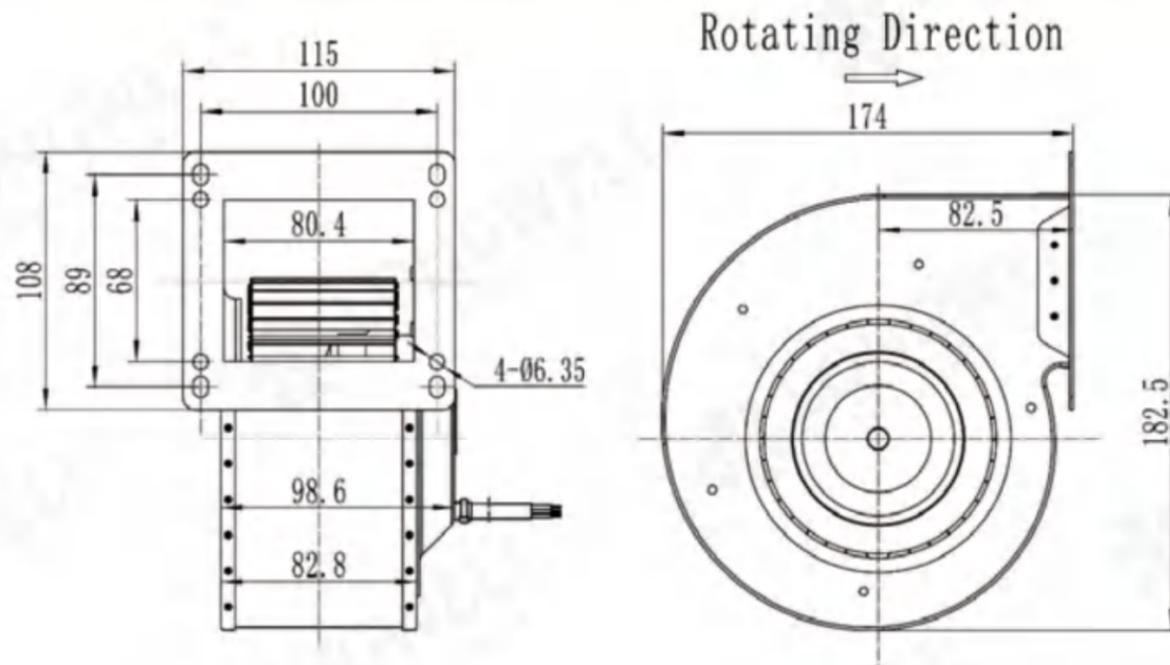
## Product Characteristic

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

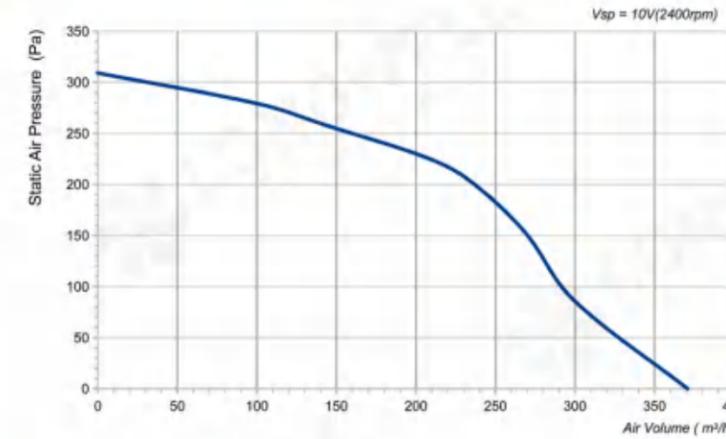


## Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G120-072SH-01	48	67	1.4	2365	359	189	/	/



# LWFD-120 Serie



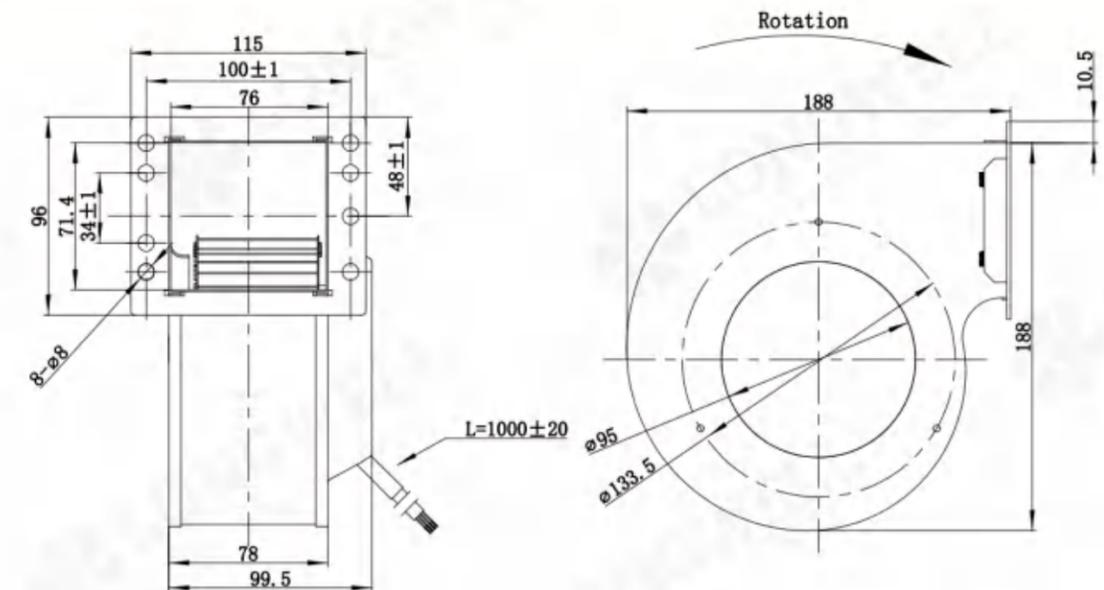
## Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

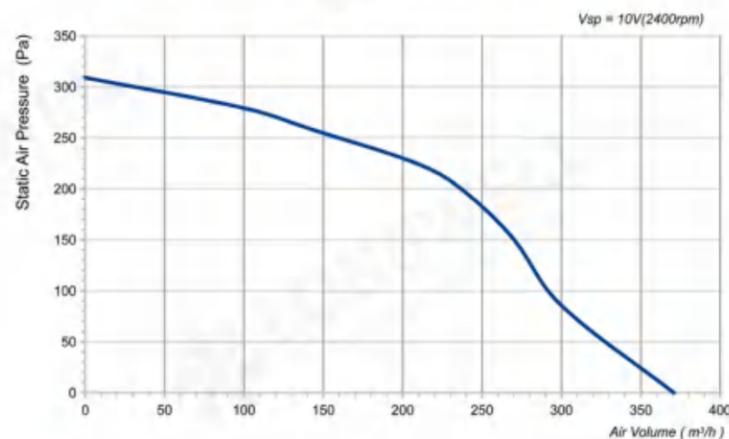


## Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G120-072SM-01	24	95	3.96	2400	371	309	60	/
LWFD3G120-072SH-02	48	95	1.98	2400	371	309	60	/



## LWFD-120 Serie



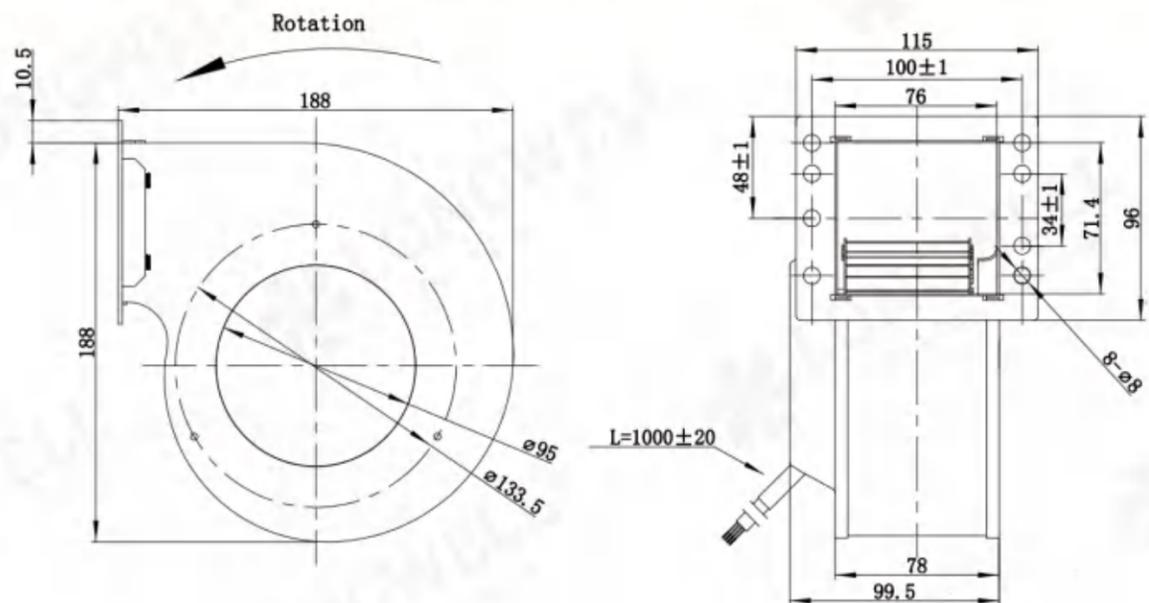
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

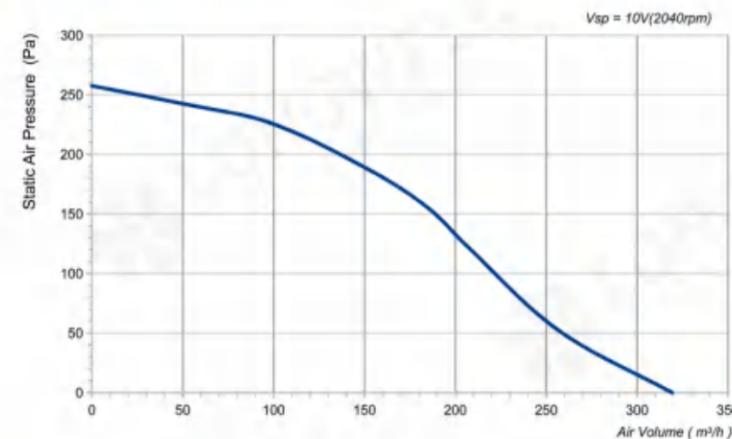


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G120-072SM-02	24	95	3.96	2400	371	309	60	/
LWFD3G120-072SH-03	48	95	1.98	2400	371	309	60	/



## LWFD-133 Serie



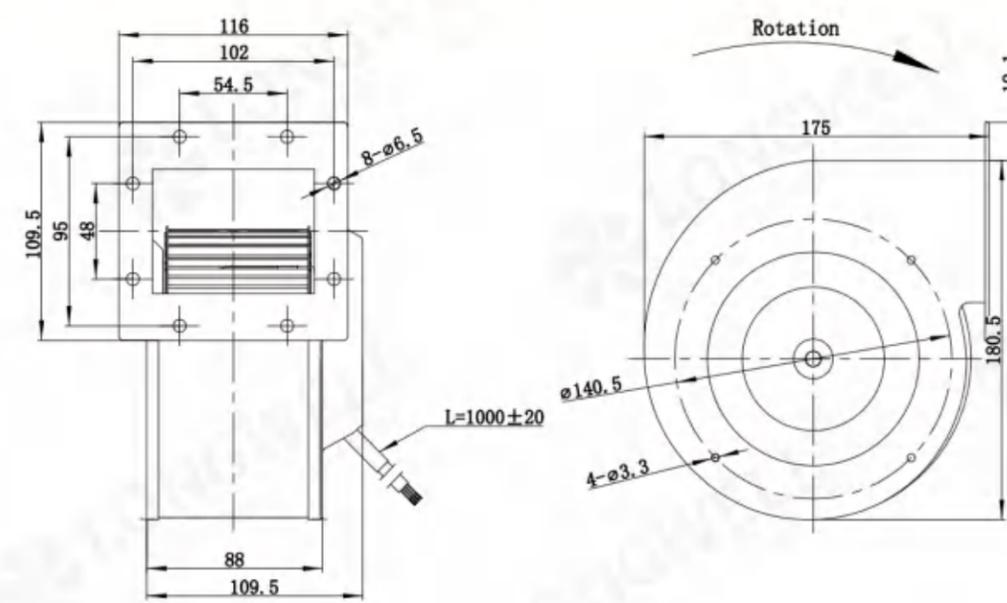
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

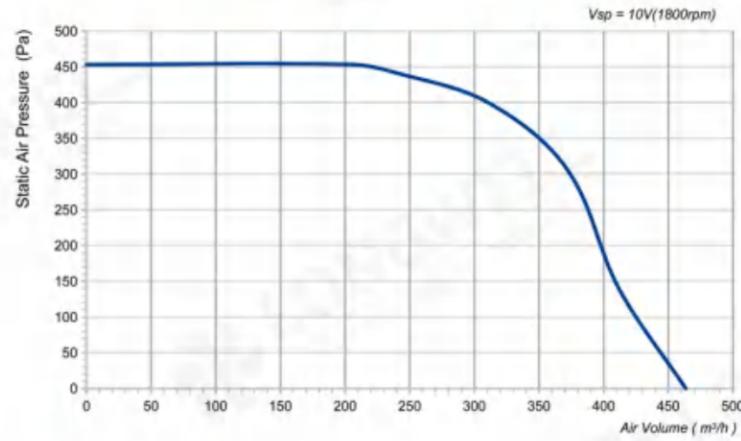


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G133-072SM-01	24	48	2	2040	319	258	63	/
LWFD3G133-072SH-01	48	48	1	2040	319	258	63	/



# LWFD-140 Serie



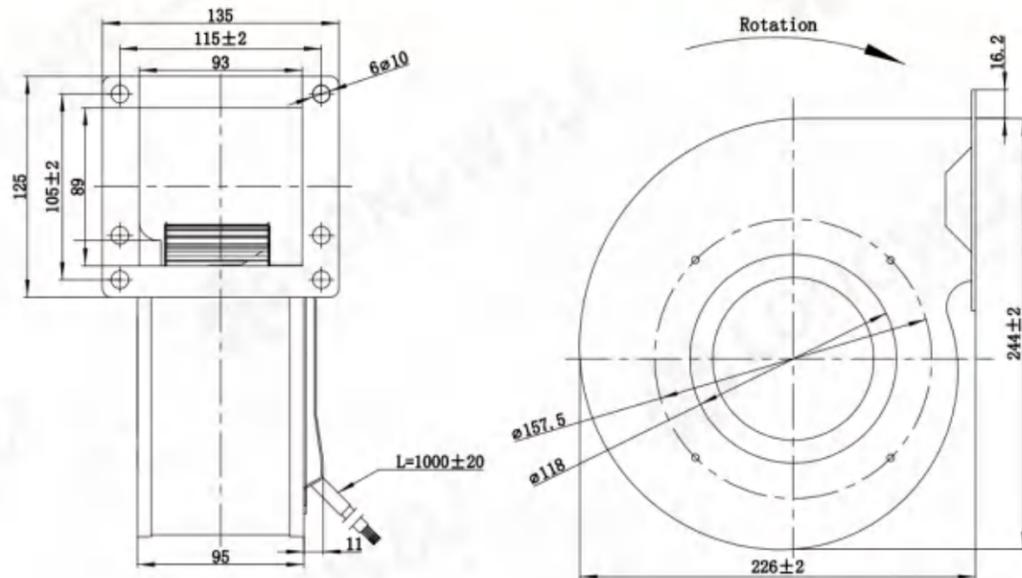
## Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

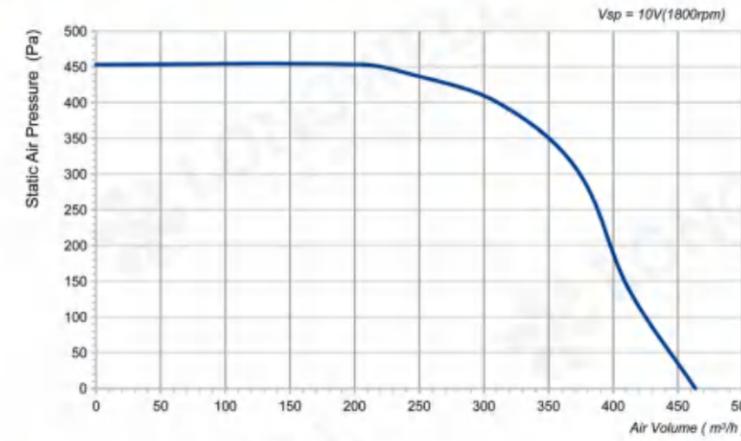


## Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G140-072SM-01	24	80	3.3	1800	464	453	65	/
LWFD3G140-072SH-01	48	80	1.67	1800	464	453	65	/



# LWFD-140 Serie



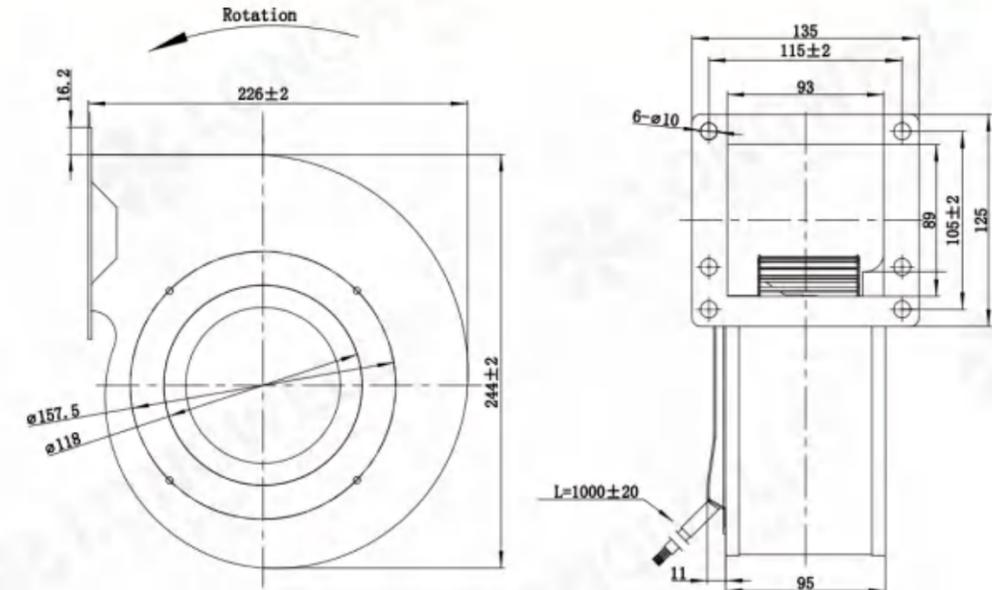
## Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

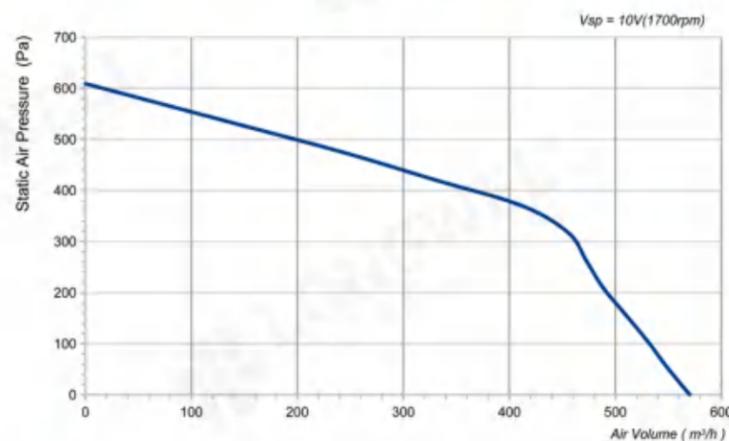


## Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G140-072SM-02	24	80	3.3	1800	464	453	65	/
LWFD3G140-072SH-02	48	80	1.67	1800	464	453	65	/



## LWFD-160 Serie



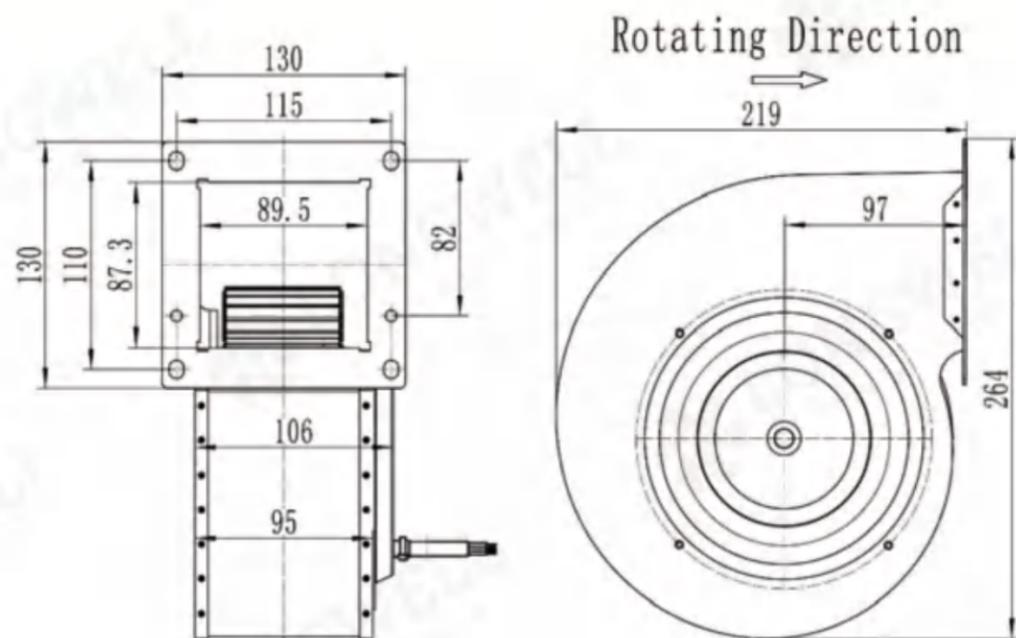
### Product Characteristic

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

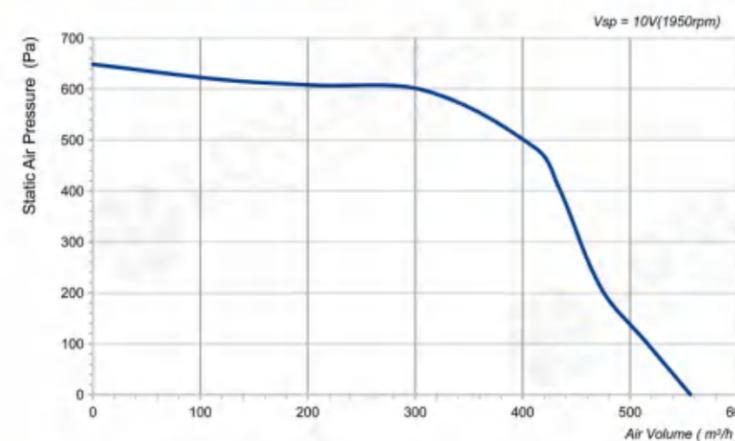


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-092SH-01	48	92	1.92	1700	570	609	/	/



## LWFD-160 Serie



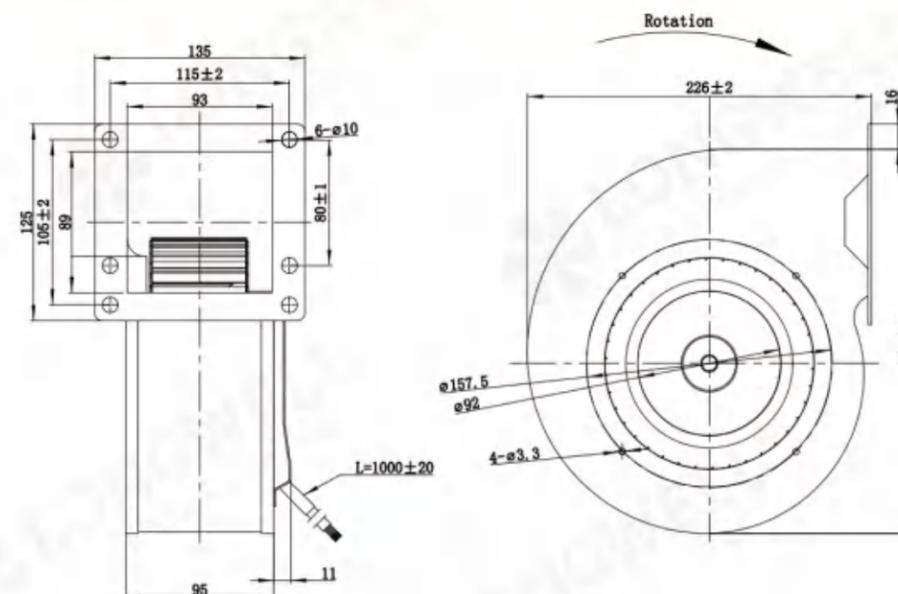
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

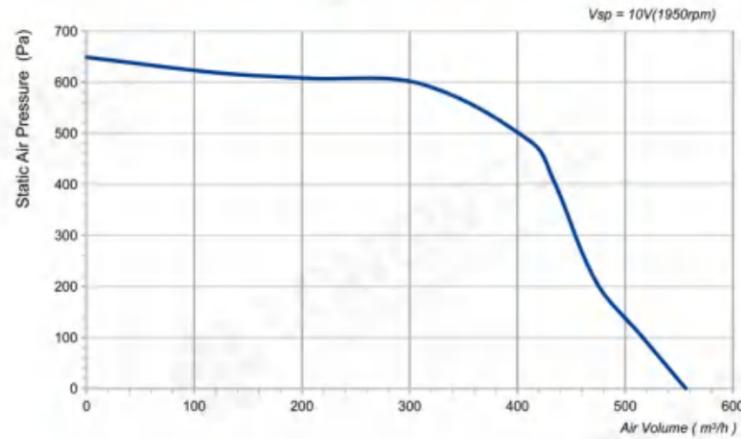


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-092SM-01	24	105	4.4	1950	556	649	62	/
LWFD3G160-092SH-02	48	105	2.2	1950	556	649	62	/



## LWFD-160 Serie



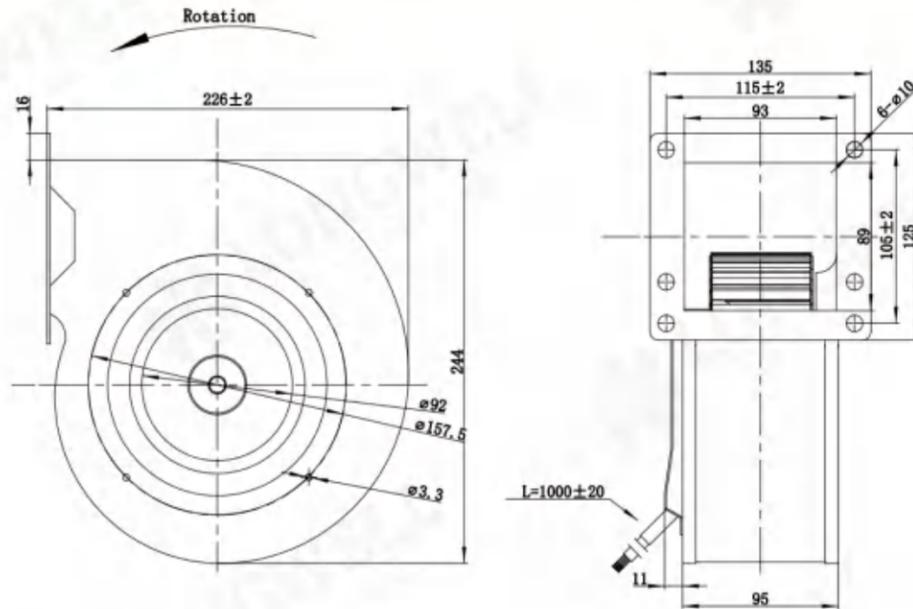
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

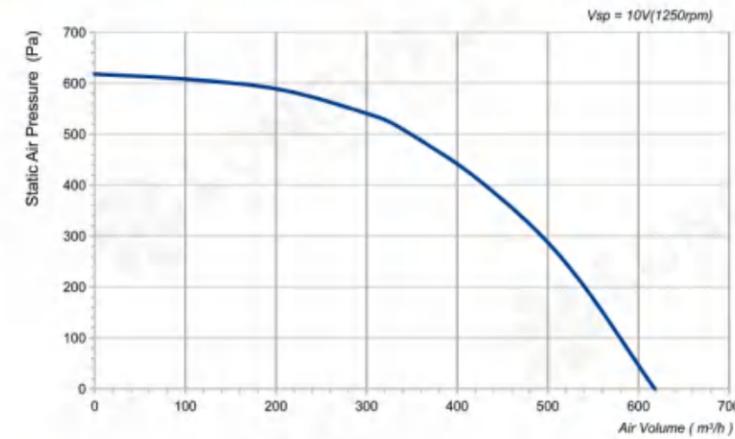


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-092SM-02	24	105	4.4	1950	556	649	62	/
LWFD3G160-092SH-03	48	105	2.2	1950	556	649	62	/



## LWFD-180 Serie



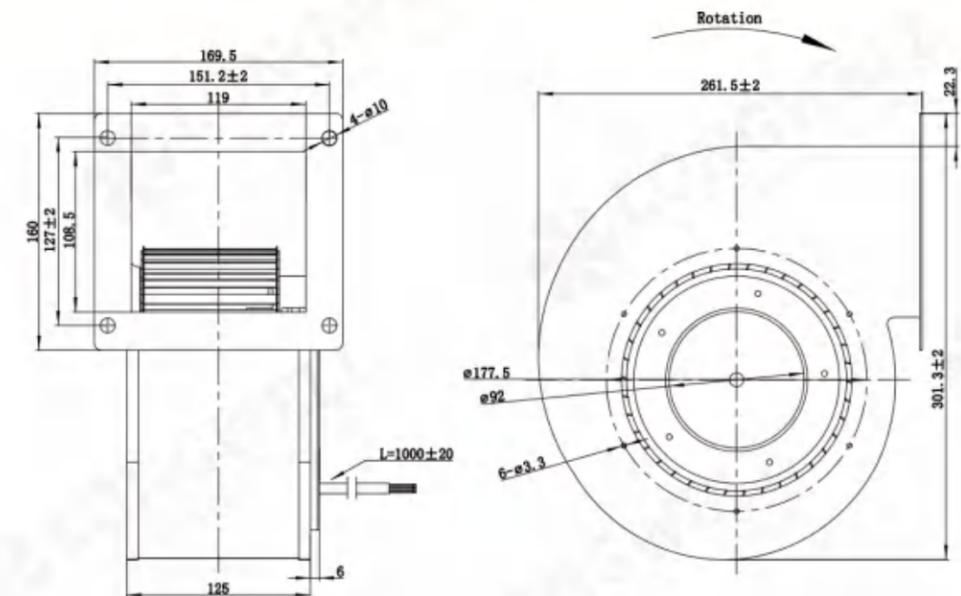
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

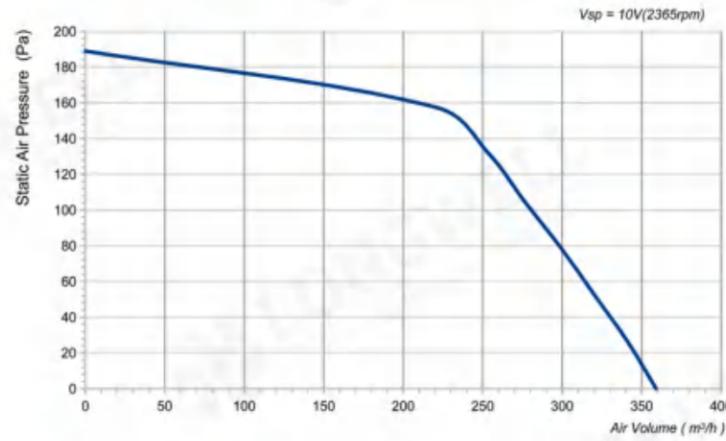


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G180-092SM-01	24	90	3.8	1250	618	618	67	/
LWFD3G180-092SH-01	48	90	1.9	1250	618	618	67	/



## LWFD-120 Serie



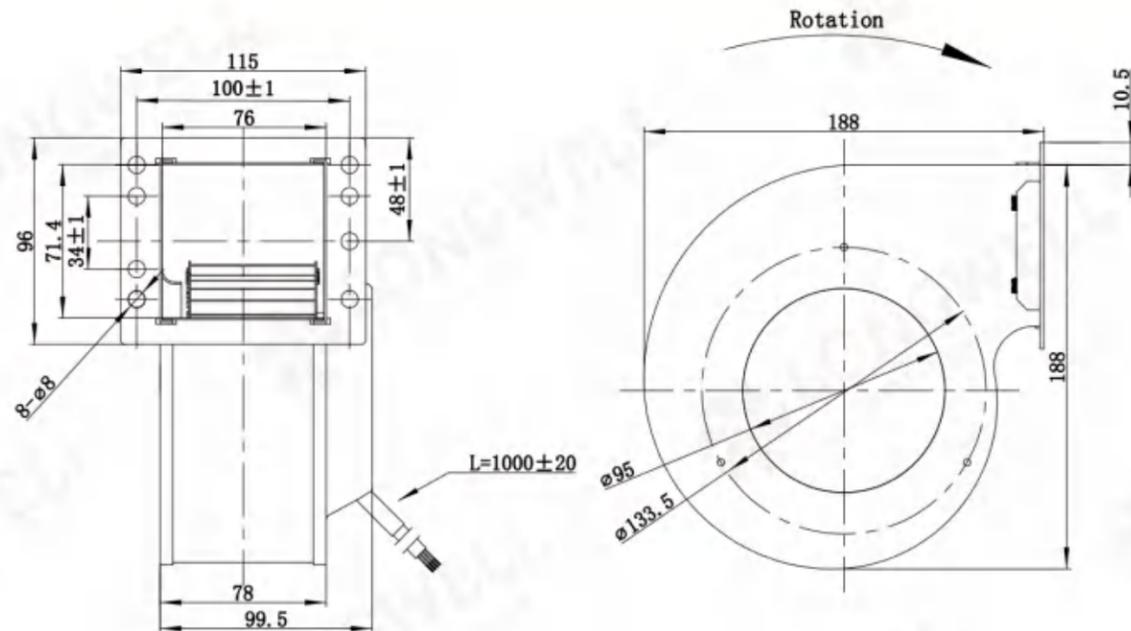
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

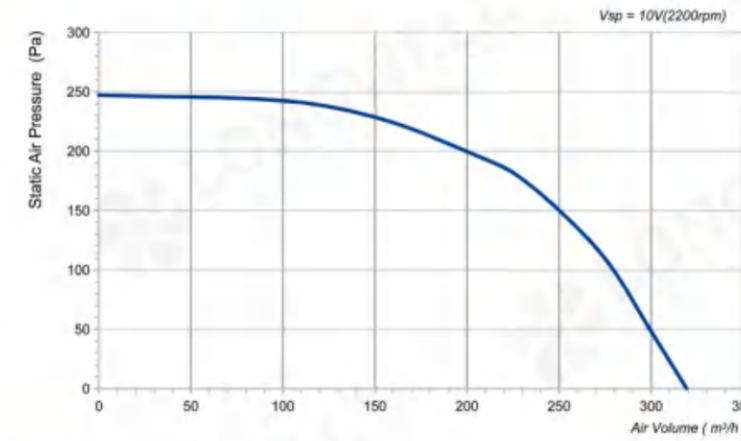


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G120-072SZ-01	310	65	0.21	2200	319	247	57	/



## LWFD-120 Serie



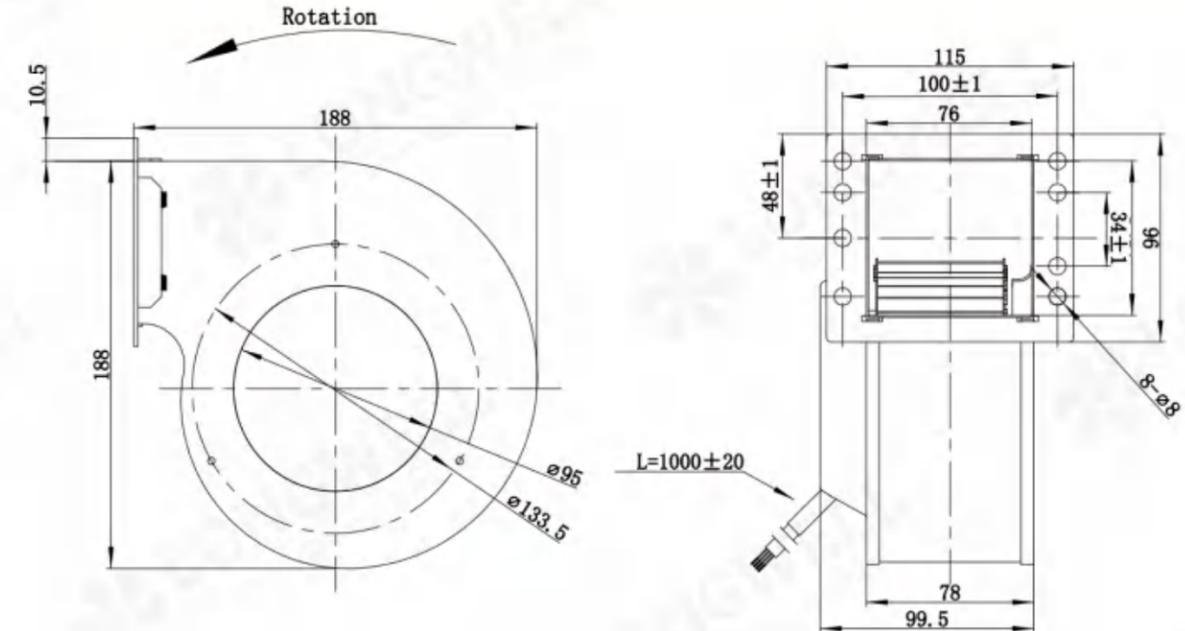
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

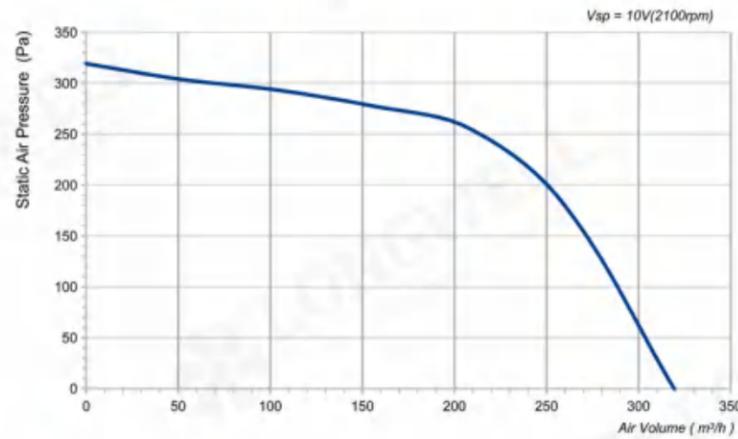


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G120-072SZ-02	310	65	0.21	2200	319	247	57	/



## LWFD-133 Serise



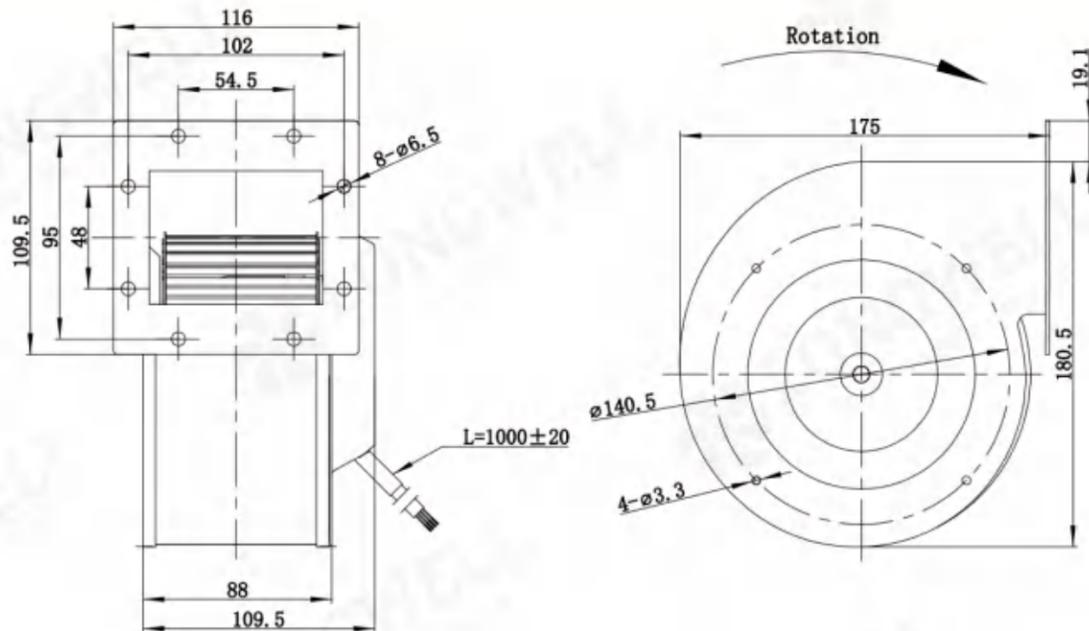
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

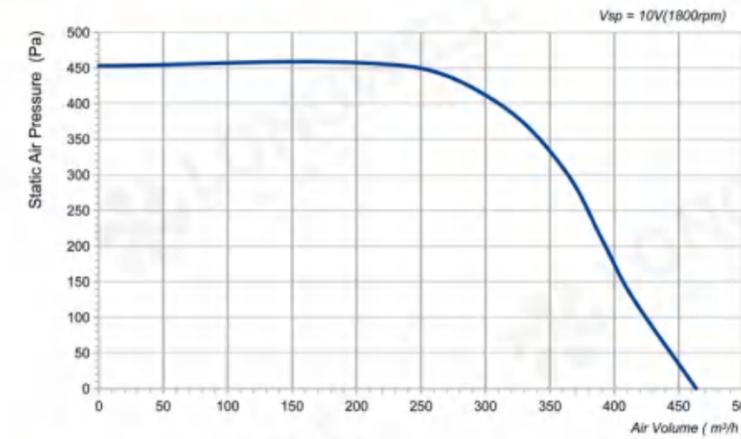


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G133-072SZ-01	310	65	0.21	2100	319	319	59	/



## LWFD-140 Serise



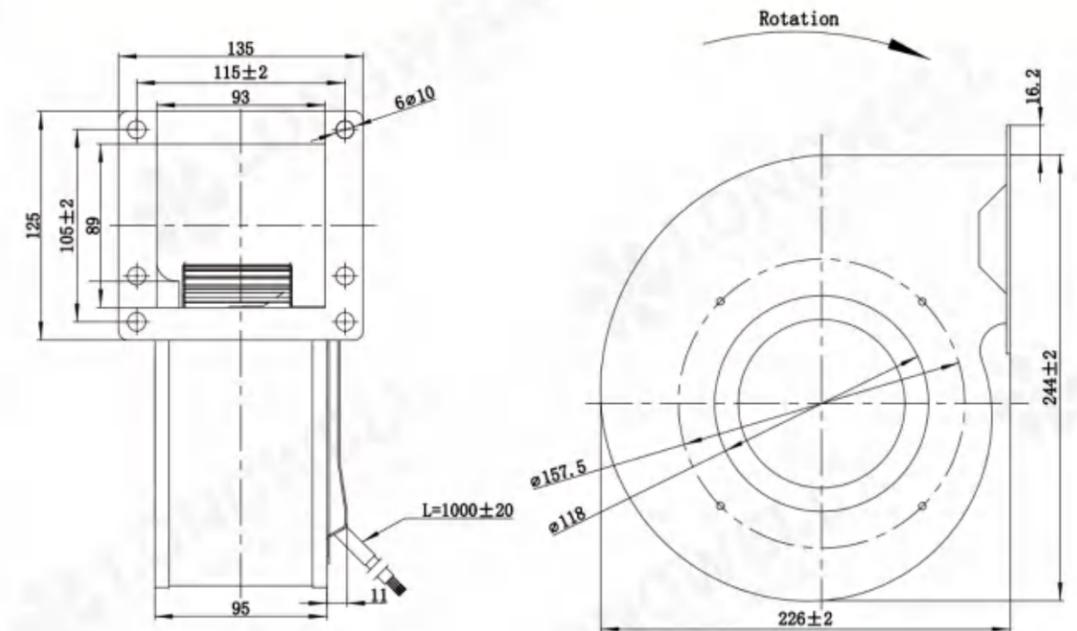
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

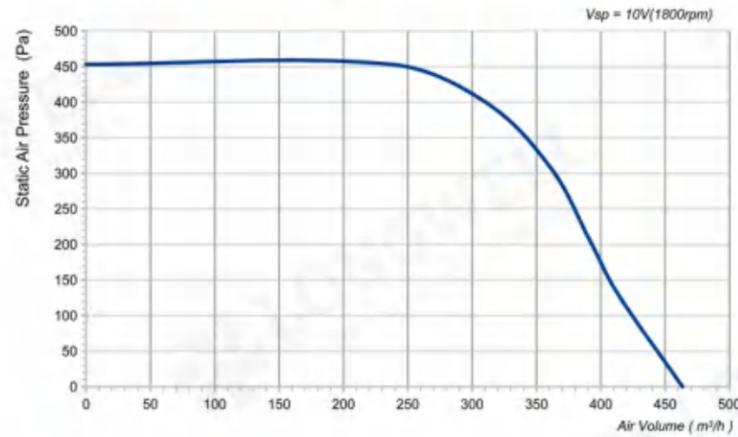


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G140-072SZ-01	310	80	0.26	1800	464	453	71	/



## LWFD-140 Serie



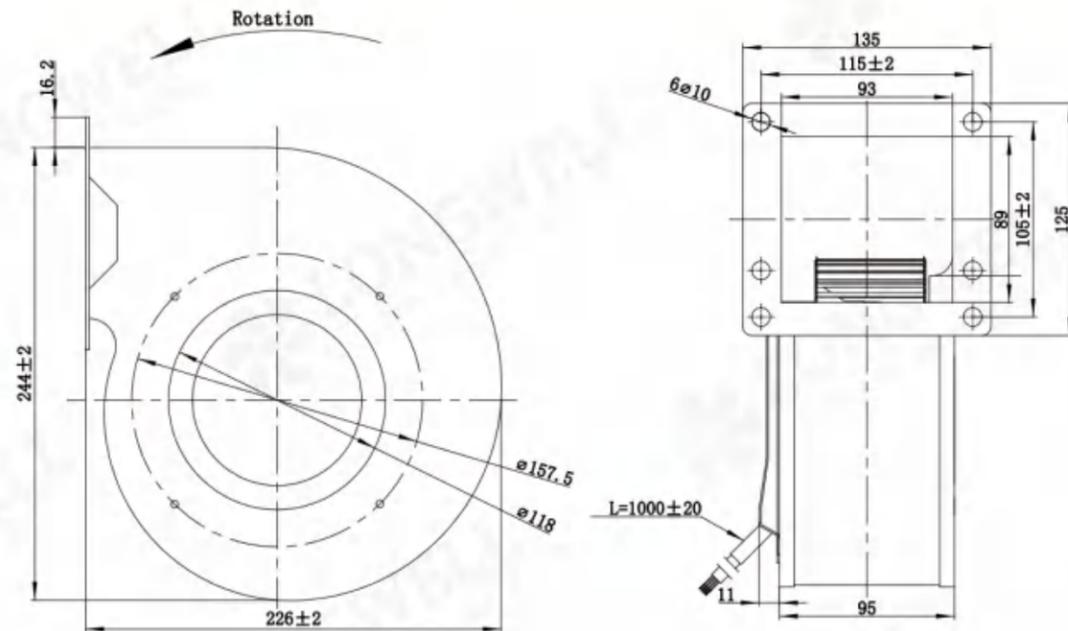
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

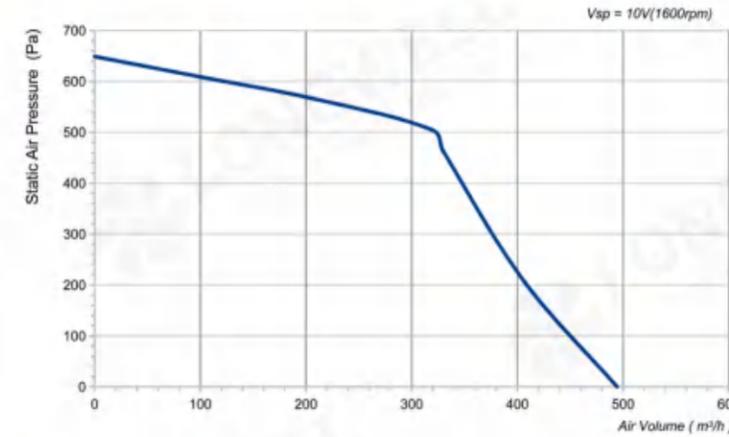


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G140-072SZ-02	310	80	0.26	1800	464	453	71	/



## LWFD-160 Serie



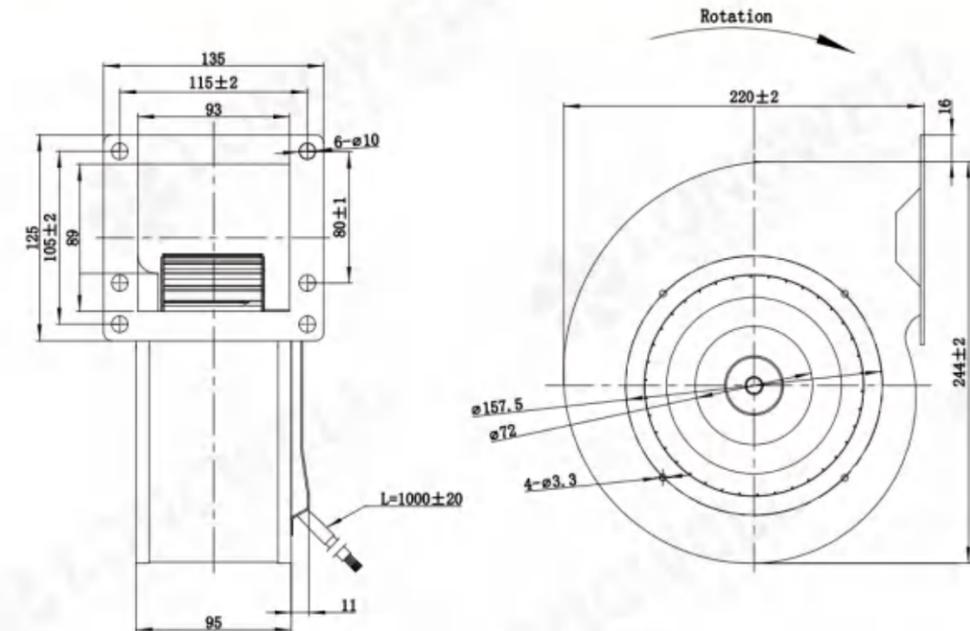
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

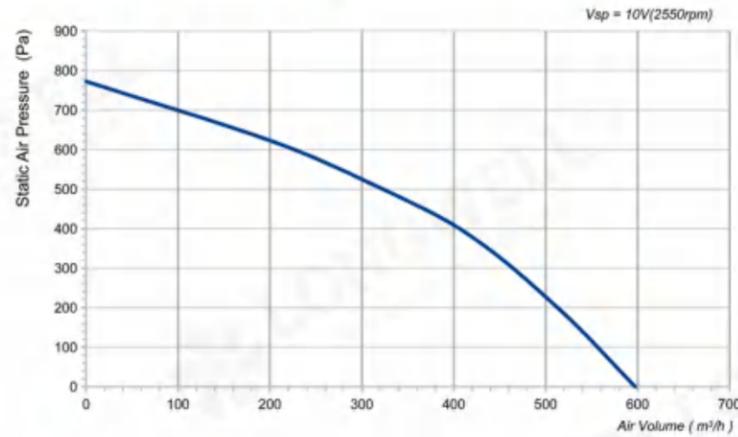


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-072SZ-01	310	80	0.26	1600	494	649	61	/



## LWFD-150 Serie



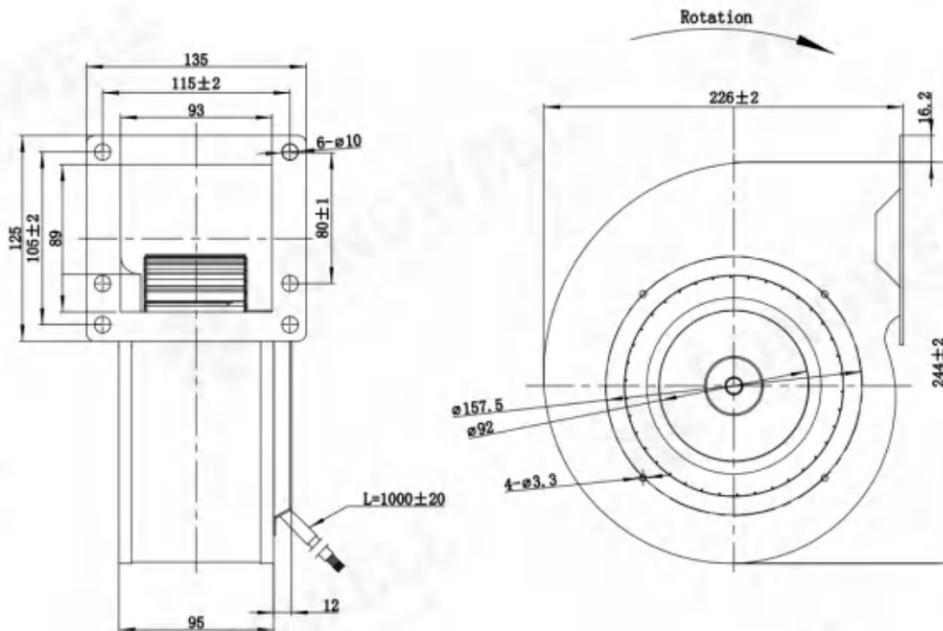
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

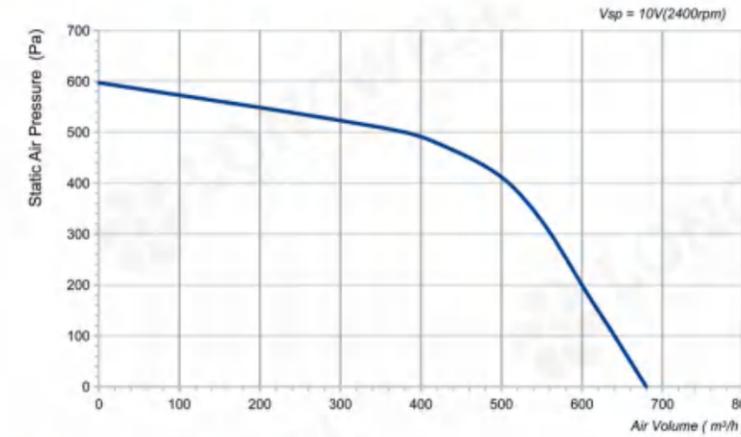


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G150-092SZ-01	310	170	0.55	2550	597	773	71	/



## LWFD-160 Serie



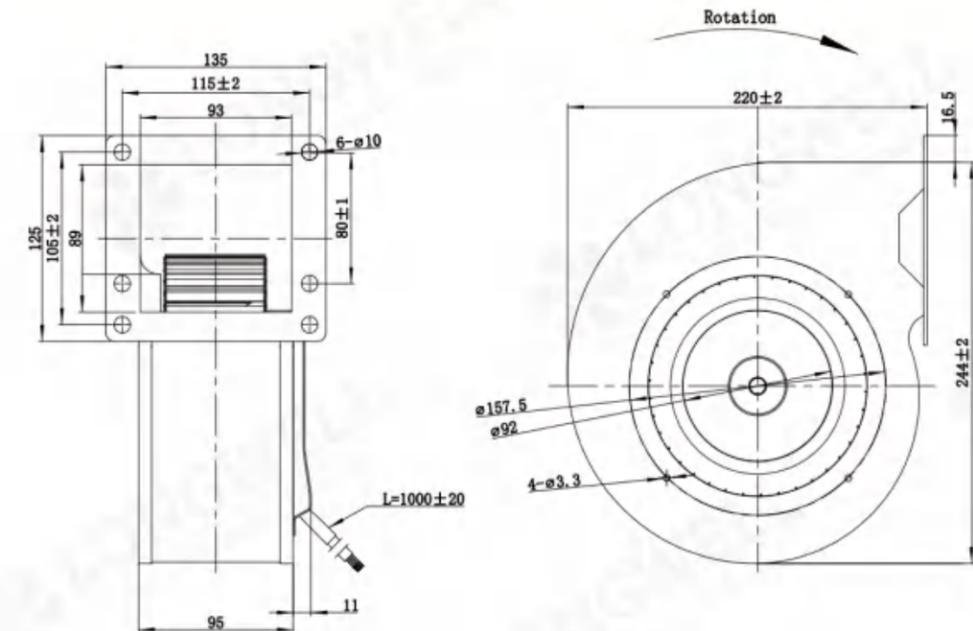
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

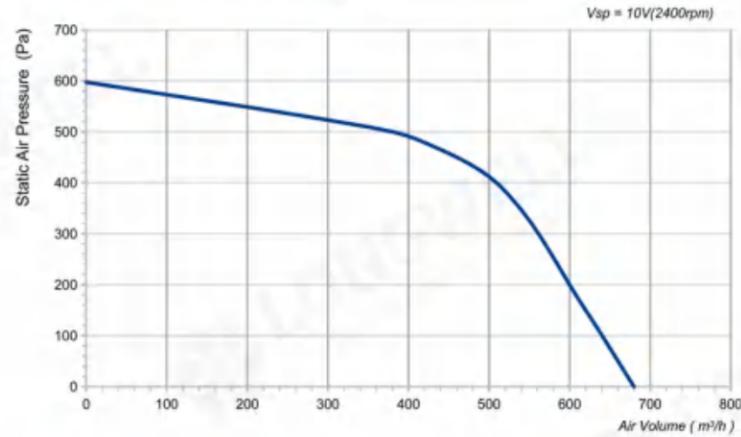


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-092SZ-01	310	220	0.71	2400	680	597	66	/



## LWFD-160 Serie



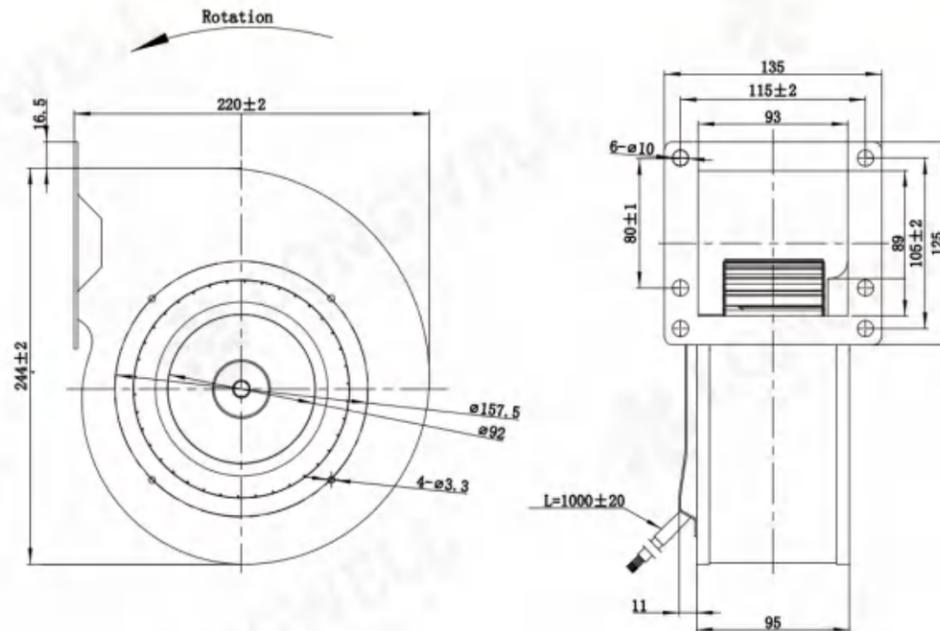
### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C

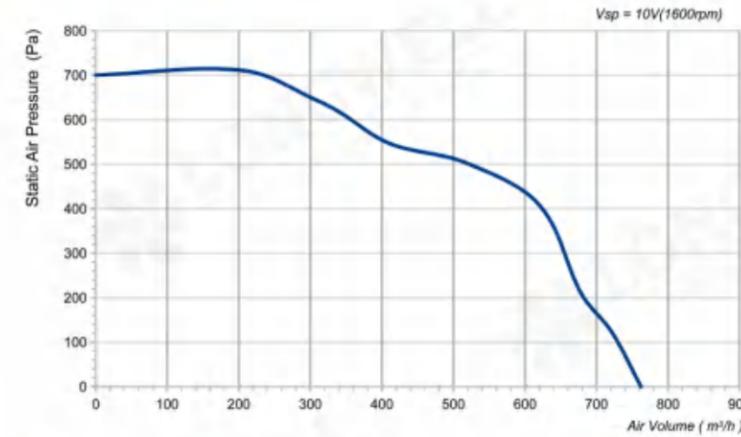


### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G160-092SZ-02	310	220	0.71	2400	680	597	66	/



## LWFD-180 Serie



### Product Characteristic

- Material: Plastic PA66
- Bearing: Maintenance-free ball bearings
- Mode of Operation: S1
- Type of Protection: IP54
- Insulation Class: B
- Operation Temperature: -30°C ~ +60°C



### Technical Specifications

Model	Voltage (V)	Power (W)	Current (A)	Speed (RPM)	Air Flow (m³/h)	Air Pressure (Pa)	Noise [dB(A)]	Curve
LWFD3G180-092SZ-01	310	180	0.58	1600	762	700	65	/

