

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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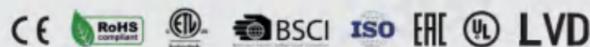
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LONGWELL TECHNOLOGY

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



Professional Manufacturer
of HVACR Fan & Motors

— DC Axial Flow Fan

Longwell Group

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



CATALOGUE



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Type Code

08-16

DC Axial Flow Fan(Φ 200- Φ 300)

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

1Million⁺ PCS

Annual Outputs

6

Overseas offices on spot support

50⁺

Members R&D Team



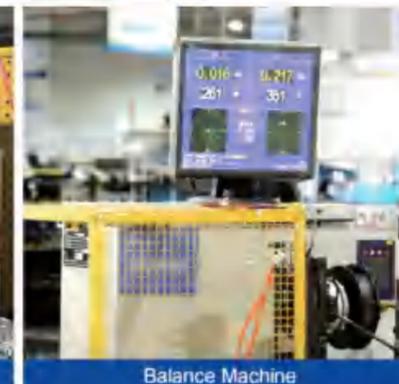
B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



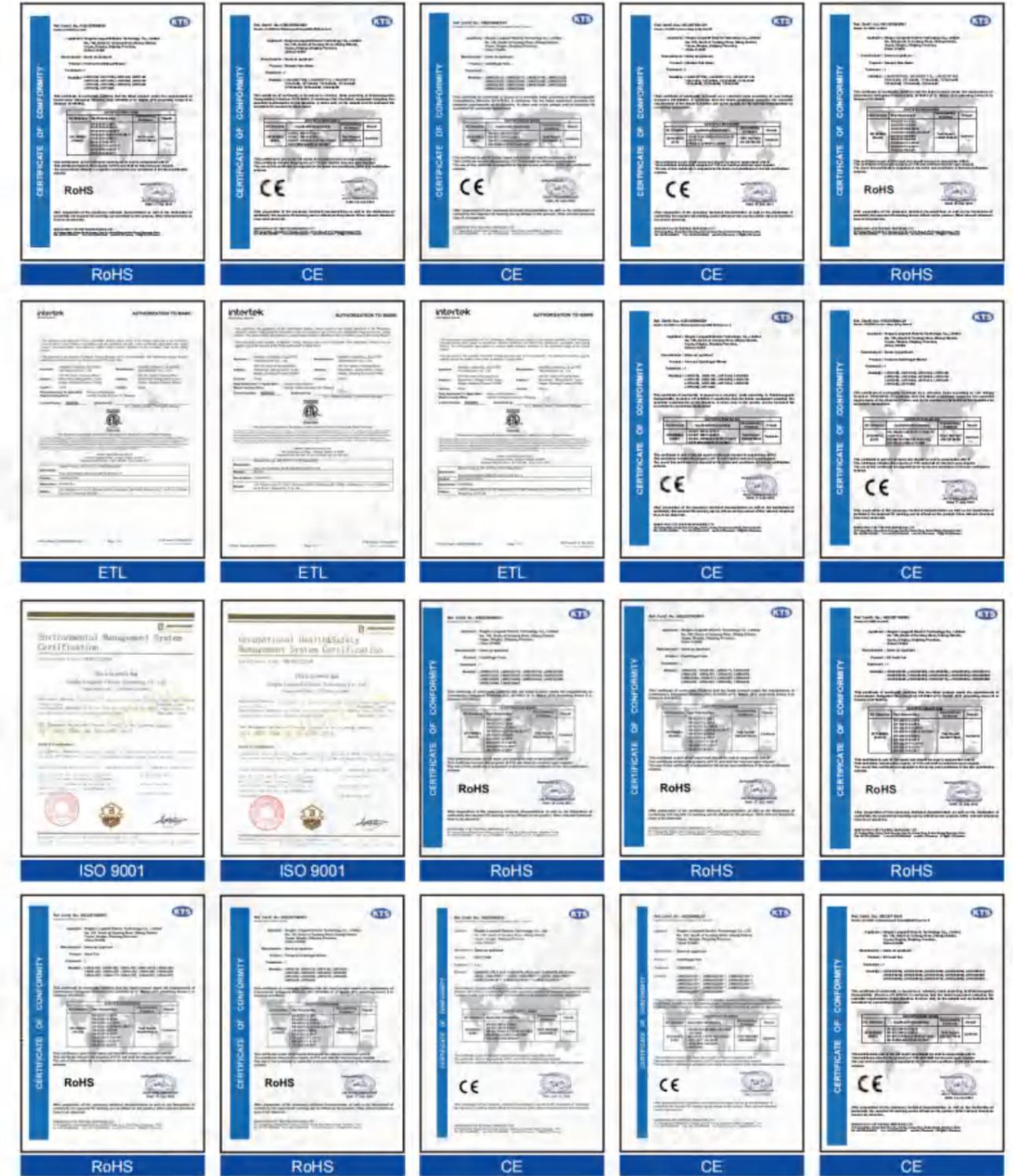
Production Line

Testing and Standards

- ISO 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



Mainly Application

Building ventilation system/Workshop ventilation system/
Commercial air quality system/Tunnel ventilation/
Green house



**Building
Ventilation System**



**Workshop
Ventilation System**



**Commercial Air
Quality System**



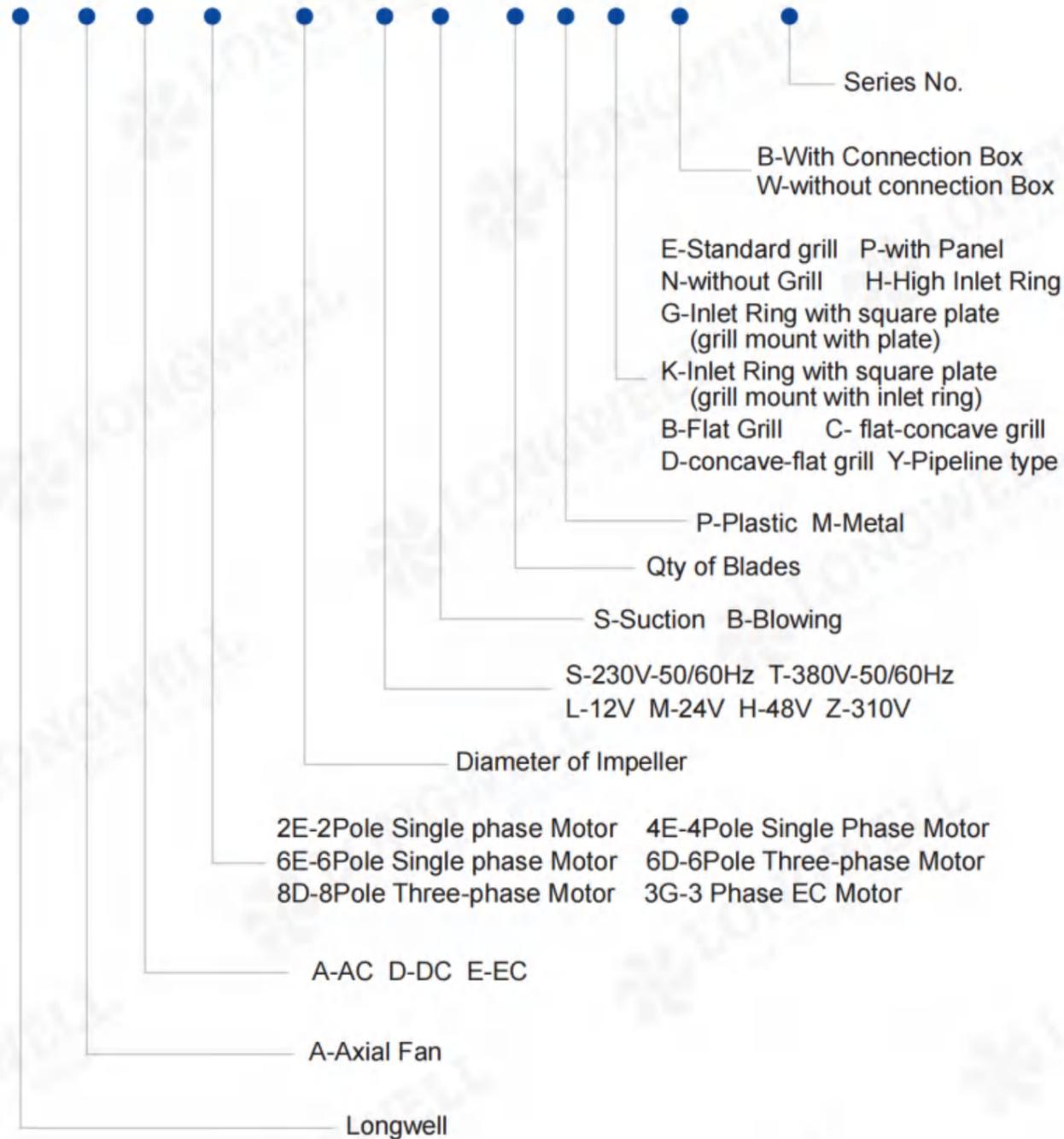
Green House



Tunnel Ventilation

Type Code

LW A D 3G 200 M S - 7 M K B - 01

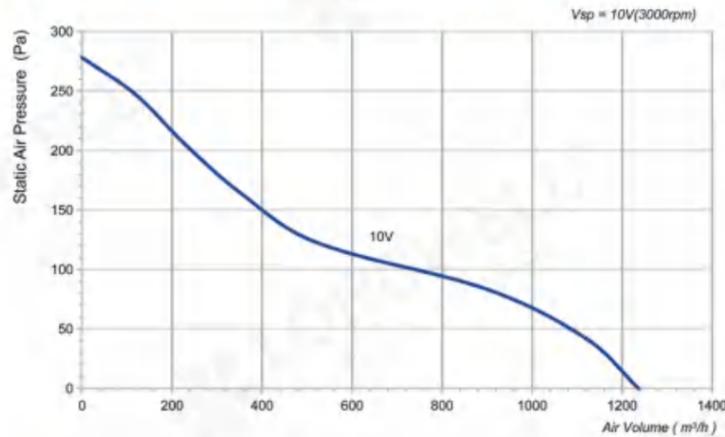


DC Axial Flow Fan

Professional HVAC Fan & Motors Manufacturer



LWAD-200 Serie



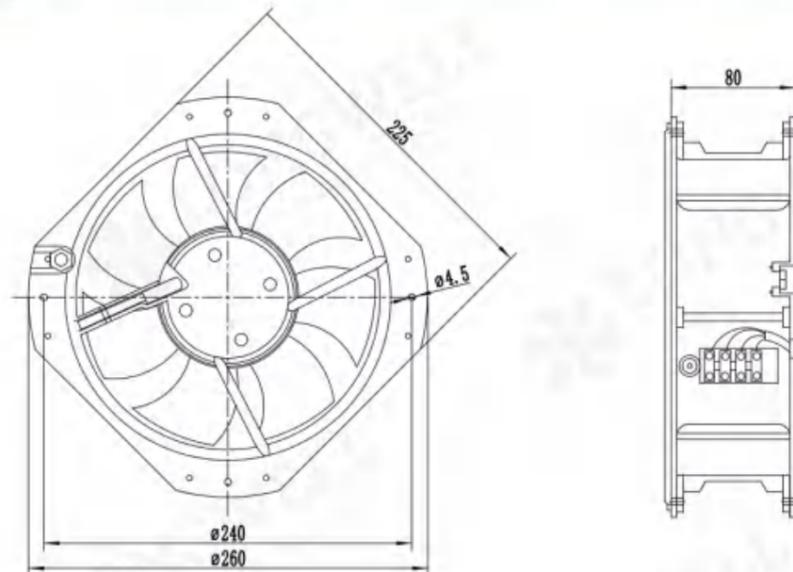
Product Characteristic

- Impeller Material : Metal sheet
- Insulation Class: B
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM, Tach output, Locked-Rotor protection, Reverse Polarity, Over-voltage Protection, Soft Start Protection
- Protection Class: IP44
- Operation Temperature: -25 C ~ +60 C

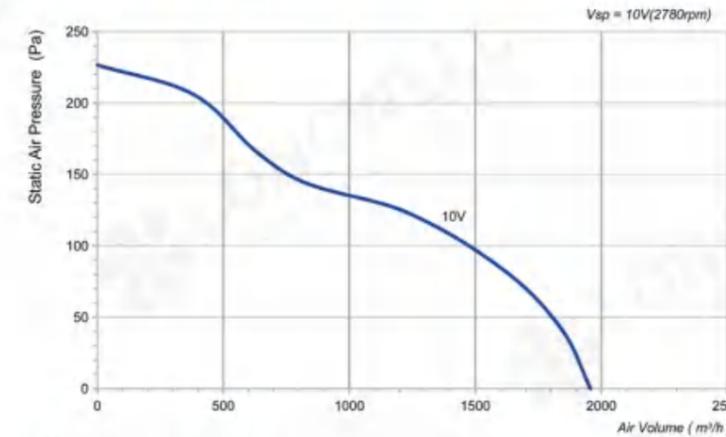


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G200MS-7MKB-01	24	50/60	2.5	60	3000	1236	278	62
LWAD3G200HS-7MKB-02	48	50/60	1.25	60	3000	1236	278	62



LWAD-250 Serie



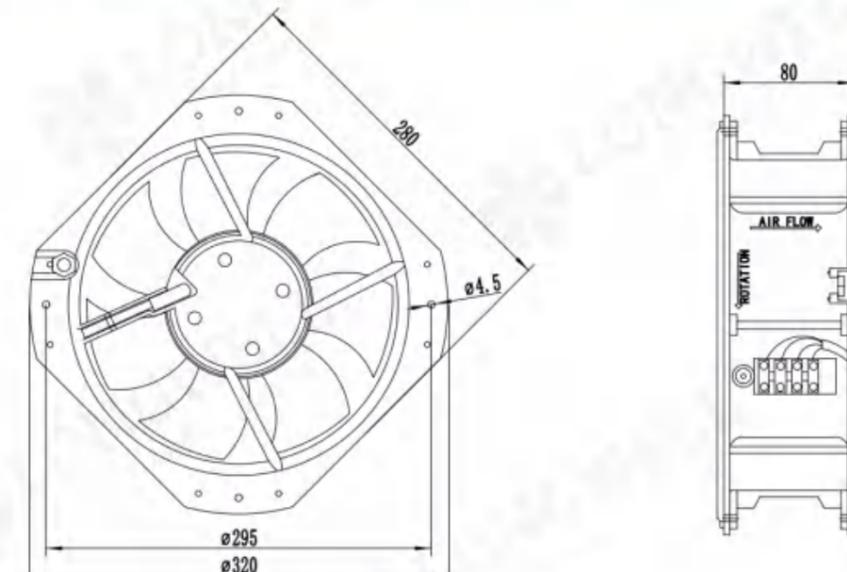
Product Characteristic

- Impeller Material : Metal sheet
- Insulation Class: B
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM, Tach output, Locked-Rotor protection, Reverse Polarity, Over-voltage Protection, Soft Start Protection
- Protection Class: IP44
- Operation Temperature: -25 C ~ +60 C



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G250MS-7MKB-01	24	50/60	4.4	105	2780	1957	227	69
LWAD3G250HS-7MKB-02	48	50/60	2.2	105	2780	1957	227	69



LWAD-200 Serie



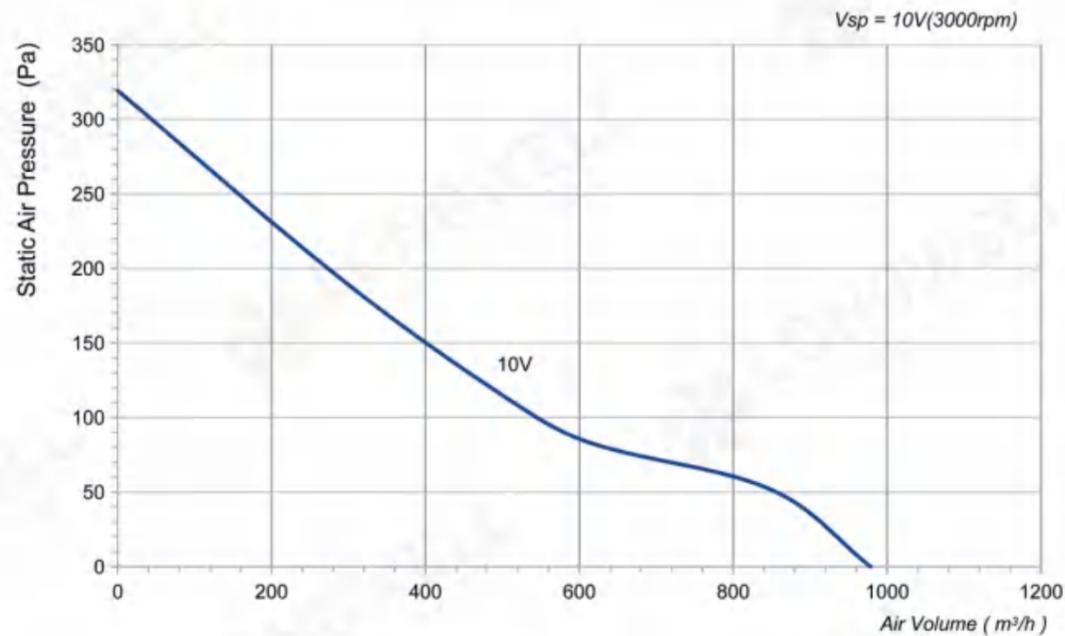
Product Characteristic

- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25 C ~ +60 C
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM, Tach output, Locked-Rotor protection, Reverse Polarity, Over-voltage Protection, Soft Start Protection



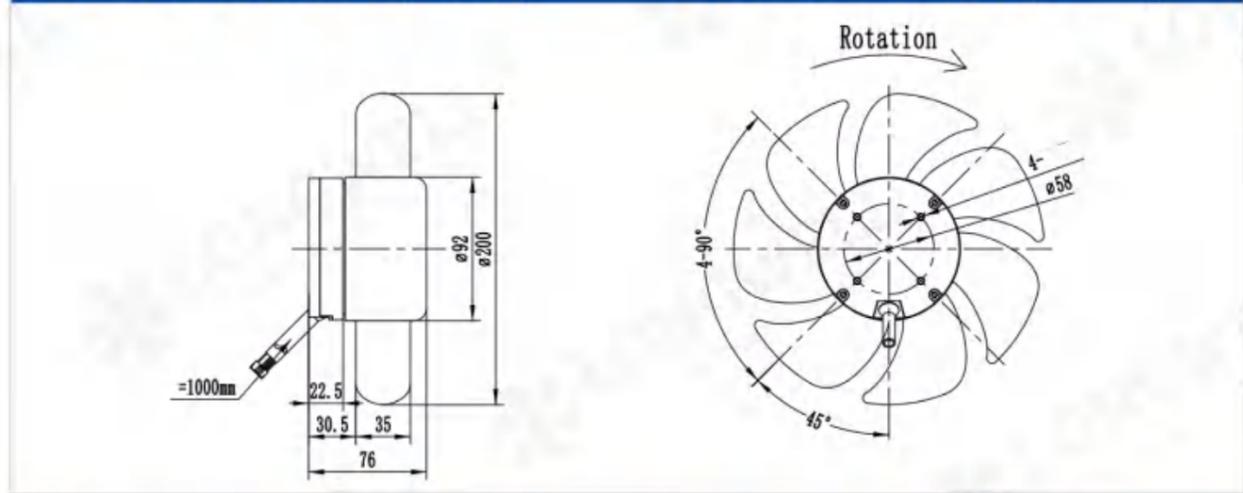
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G200ZS-7MNW-03	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZB-7MNW-04	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZS-7MEW-05	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZB-7MEW-06	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZS-7MGW-07	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZB-7MGW-08	310	50/60	0.17	55	3000	979	319	60



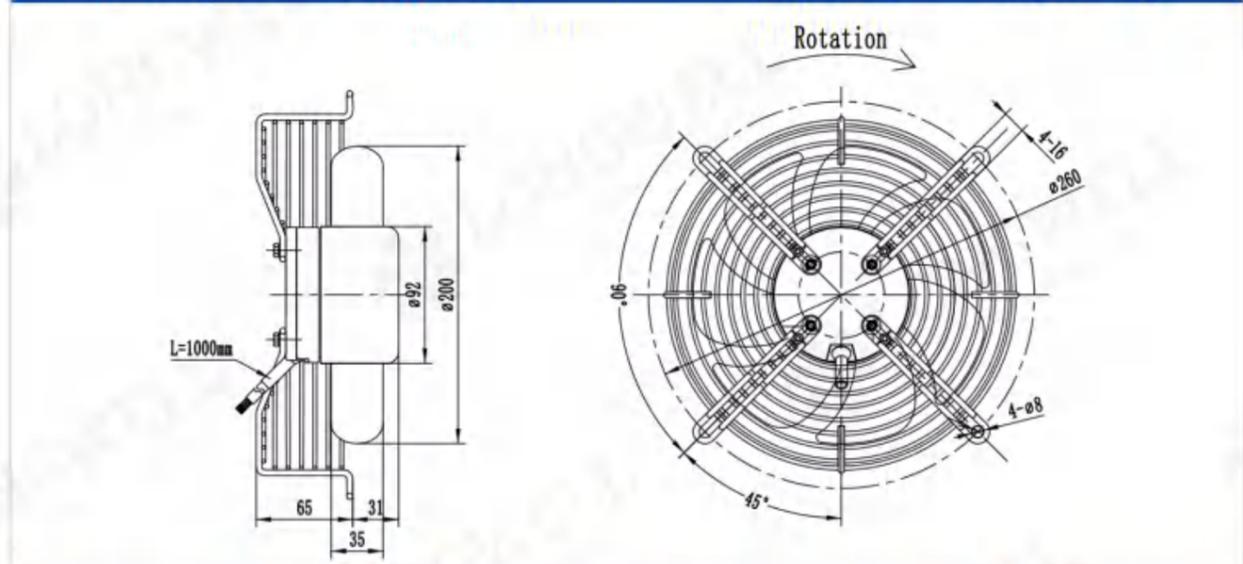
LWAD3G200ZS-7MNW-03(Suction)

LWAD3G200ZB-7MNW-04(Blowing)



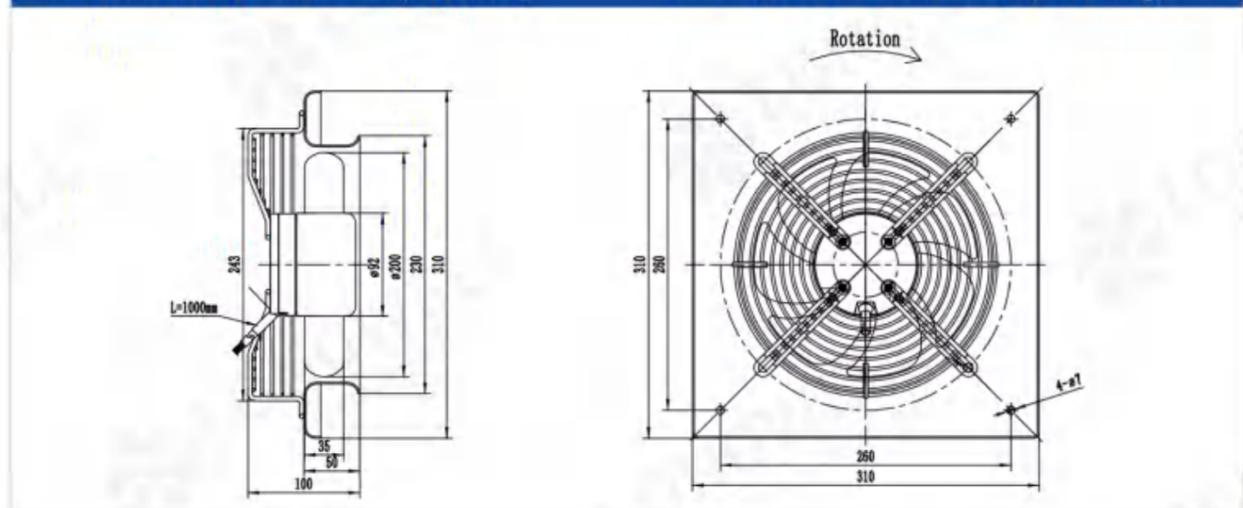
LWAD3G200ZS-7MEW-05(Suction)

LWAD3G200ZB-7MEW-06(Blowing)



LWAD3G200ZS-7MGW-07(Suction)

LWAD3G200ZB-7MGW-08(Blowing)



LWAD-250 Serie



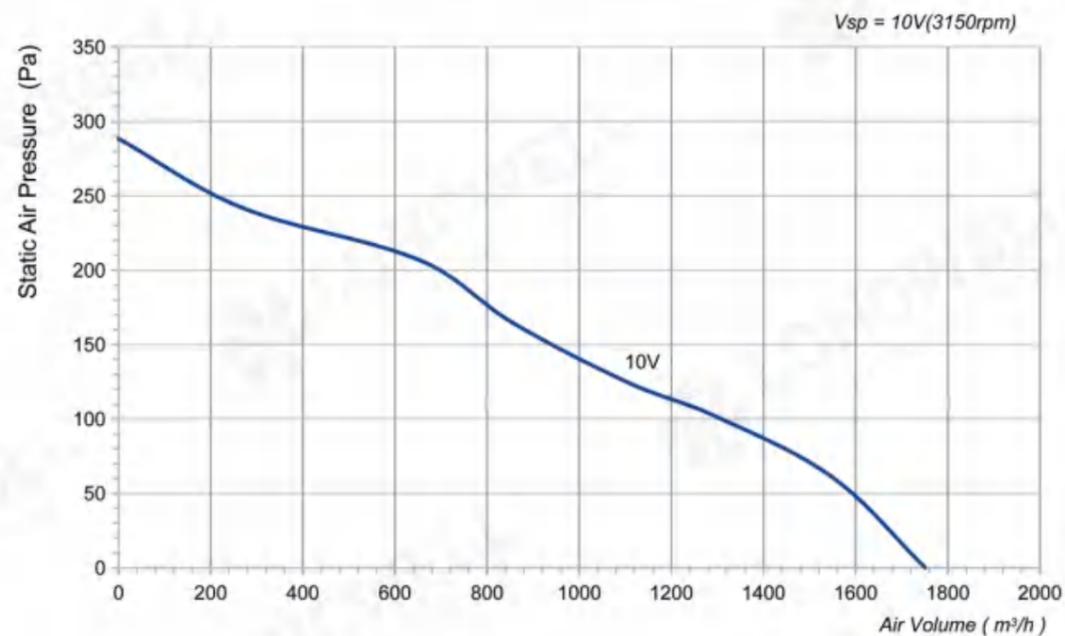
Product Characteristic

- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25 C ~ +60 C
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM, Tach output, Locked-Rotor protection, Reverse Polarity, Over-voltage Protection, Soft Start Protection



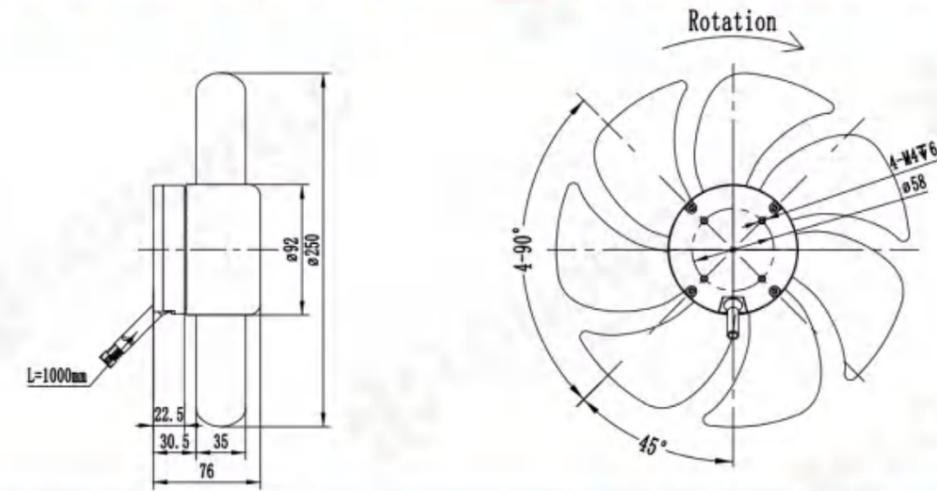
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G250ZS-7MNW-03	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZB-7MNW-04	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZS-7MEW-05	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZB-7MEW-06	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZS-7MKW-07	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZB-7MKW-08	310	50/60	0.44	135	3150	1751	288	69



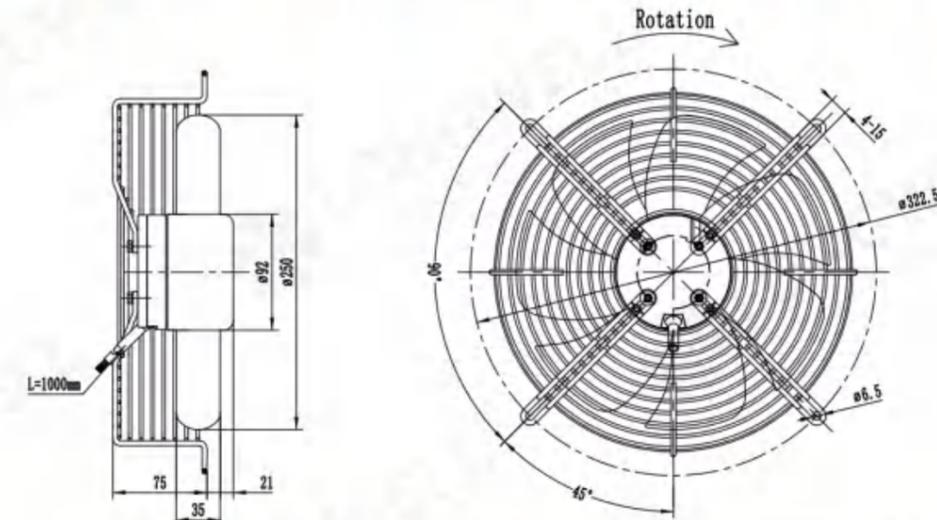
LWAD3G250ZS-7MNW-03(Suction)

LWAD3G250ZB-7MNW-04(Blowing)



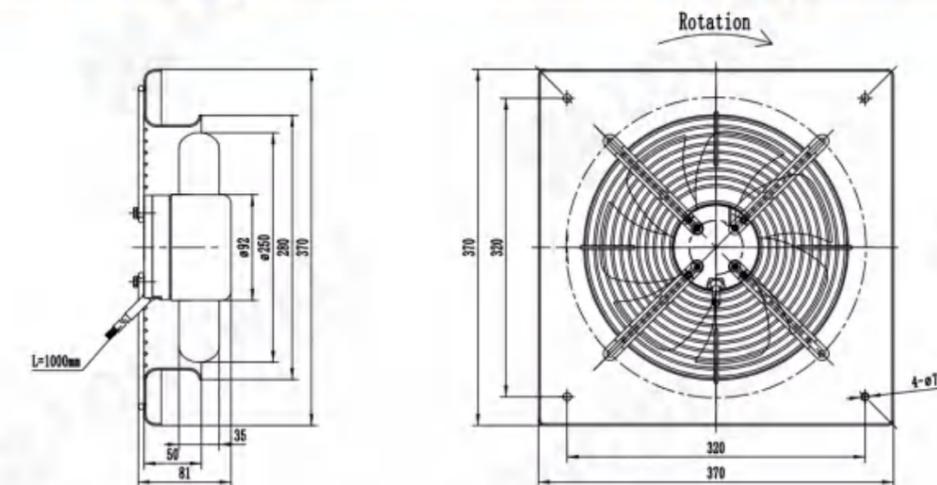
LWAD3G250ZS-7MEW-05(Suction)

LWAD3G250ZB-7MEW-06(Blowing)



LWAD3G250ZS-7MKW-07(Suction)

LWAD3G250ZB-7MKW-08(Blowing)



LWAD-300 Serie



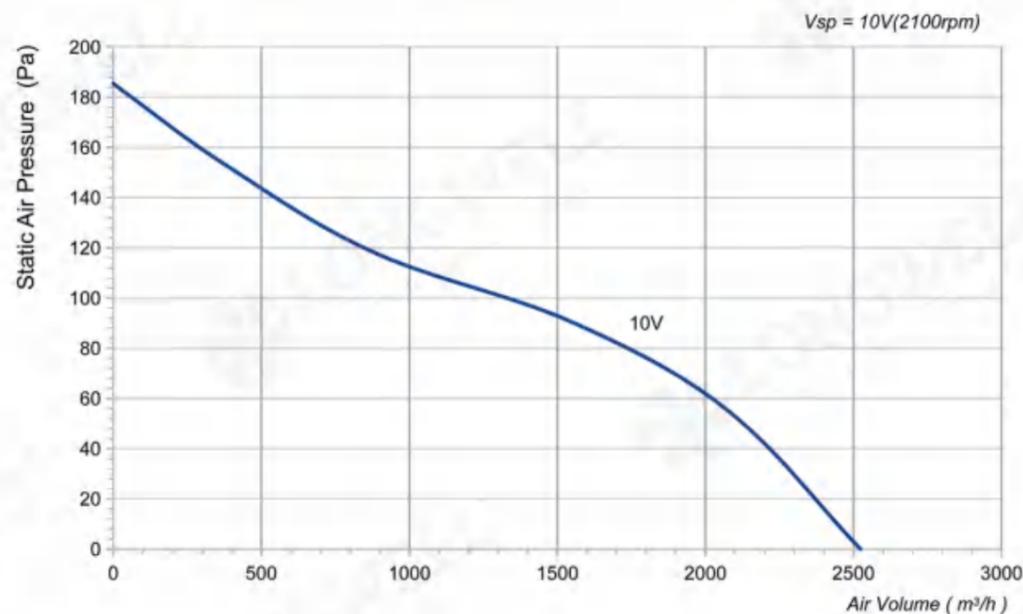
Product Characteristic

- Motor Type : BLDC Motor
- Protection Class: IP42
- Insulation Class: F
- Operation Temperature: -25 C ~ +60 C
- Material: PA66
- Technical Feature: Control input 0-10VDC/PWM, Tach output, Locked-Rotor protection, Reverse Polarity, Over-voltage Protection, Soft Start Protection



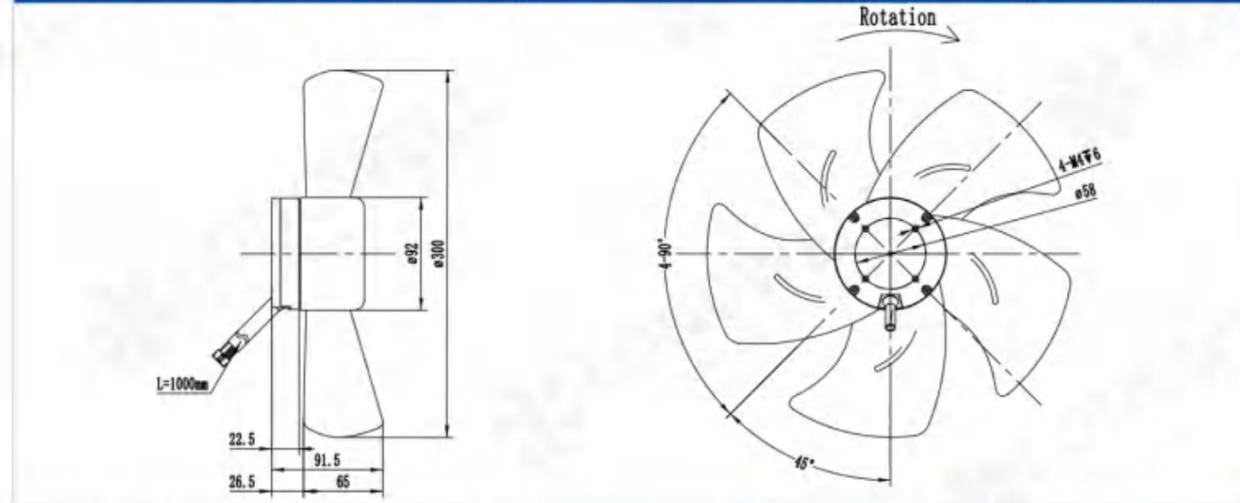
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G300ZS-5PNW-01	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZB-5PNW-02	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZS-5PEW-03	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZB-5PEW-04	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZS-5PKW-05	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZB-5PKW-06	310	50/60	0.52	165	2100	2524	185	69



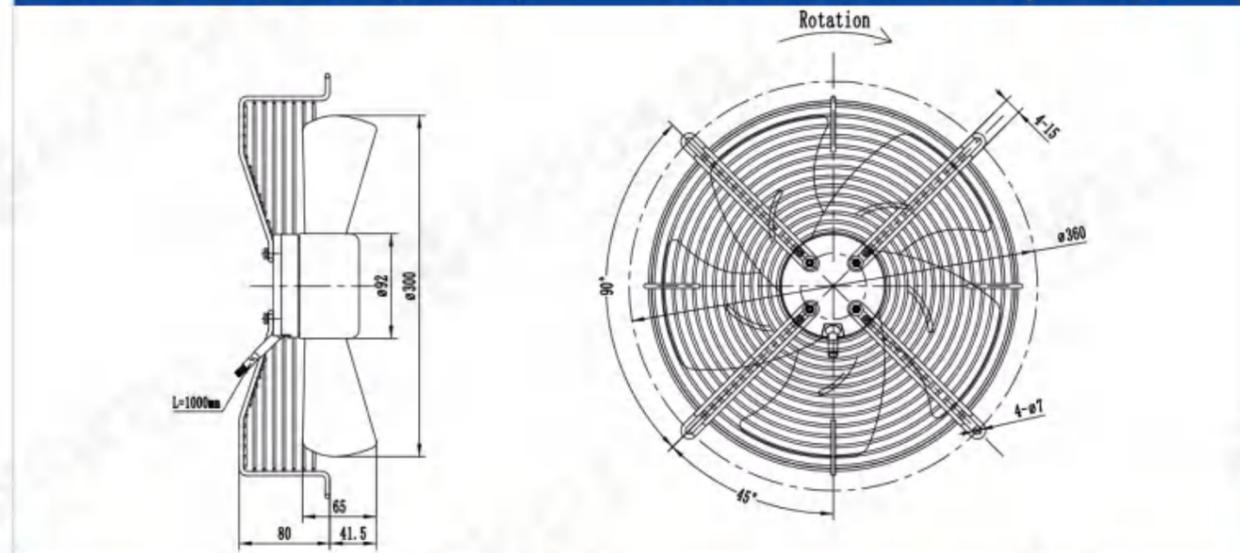
LWAD3G300ZS-5PNW-01(Suction)

LWAD3G300ZB-5PNW-02(Blowing)



LWAD3G300ZS-5PEW-03(Suction)

LWAD3G300ZB-5PEW-04(Blowing)



LWAD3G300ZS-5PKW-05(Suction)

LWAD3G300ZB-5PKW-06(Blowing)

