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

Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400
Tell: +86 574 6218 9863
Fax: +86 574 6218 9863
Phone: 0086 183 5827 4663
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
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

—— DC Axial Flow Fan

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

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07 Type Code

08-16 DC Axial Flow Fan(Φ200-Φ300)

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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.

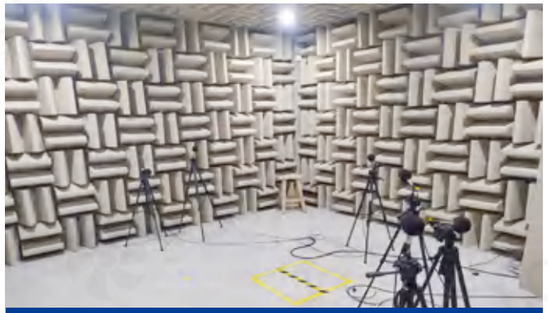
Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

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.

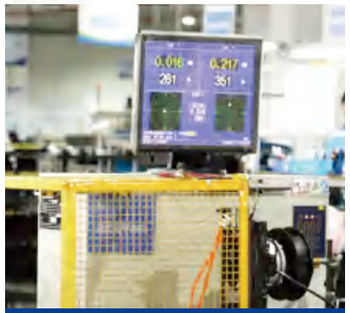
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

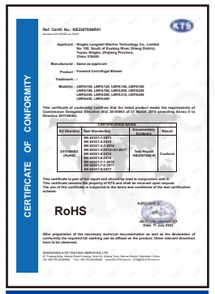

Own-Brand


Own-Brand


ETL


ETL

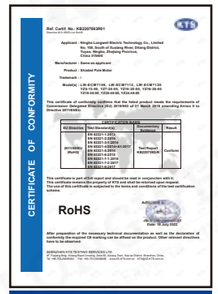

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL

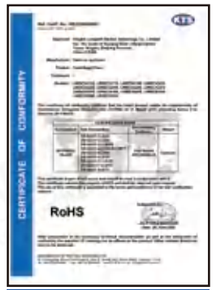

ETL

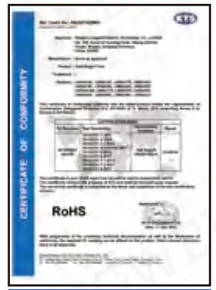

CE

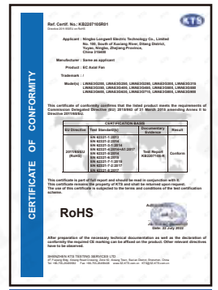

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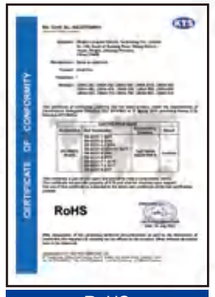

ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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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



Tunnel Ventilation

Green House

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Type Code

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

- Series No.
- B-With Connection Box
  W-without connection Box
- E-Standard grill P-with Panel
  N-without Grill H-High Inlet Ring
  G-Inlet Ring with square plate (grill mount with plate)
  K-Inlet Ring with square plate (grill mount with inlet ring)
  B-Flat Grill C- flat-concave grill
  D-concave-flat grill Y-Pipeline type
- P-Plastic M-Metal
- Qty of Blades
- S-Suction B-Blowing
- S-230V-50/60Hz T-380V-50/60Hz
  L-12V M-24V H-48V Z-310V
- Diameter of Impeller
- 2E-2Pole Single phase Motor 4E-4Pole Single Phase Motor
  6E-6Pole Single phase Motor 6D-6Pole Three-phase Motor
  8D-8Pole Three-phase Motor 3G-3 Phase EC Motor
- A-AC D-DC E-EC
- A-Axial Fan
- Longwell

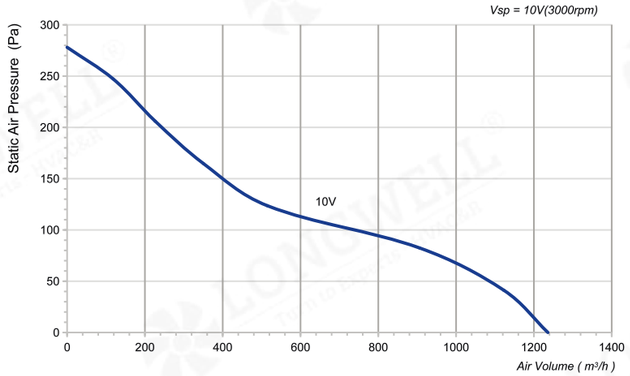
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DC Axial Flow Fan

Professional HVAC Fan &Motors Manufacturer



LWAD-200 Serise





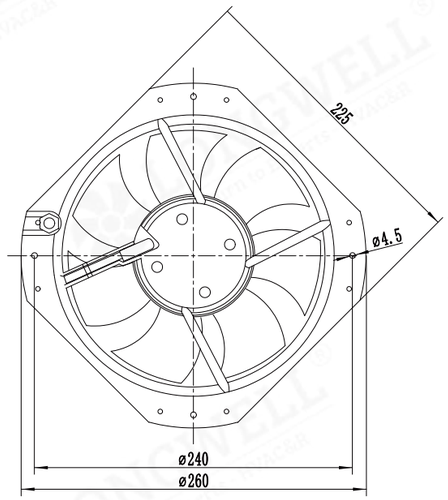
Product Characteristic

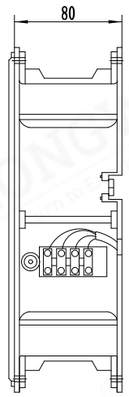
- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM,Tach output,Locked-Rotor protection,Reverse Polarity, Over-voltage Protection,Soft Start Protection

CE RoHS ETL BSCI ISO EAC UL LVD

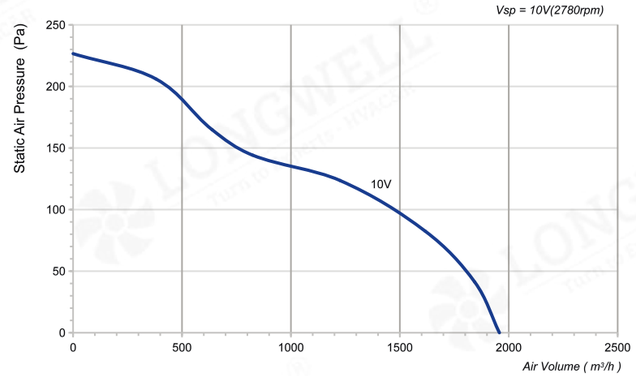
Technical Specifications

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 Serise





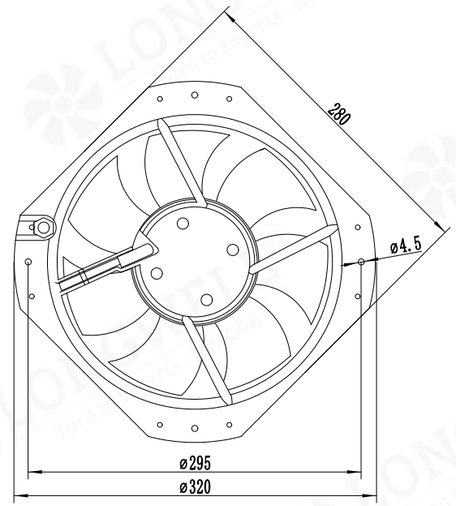
Product Characteristic

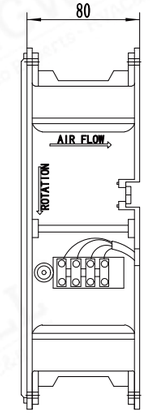
- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM,Tach output,Locked-Rotor protection,Reverse Polarity, Over-voltage Protection,Soft Start Protection

CE RoHS ETL BSCI ISO EAC UL LVD

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





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LWAD-200 Serise

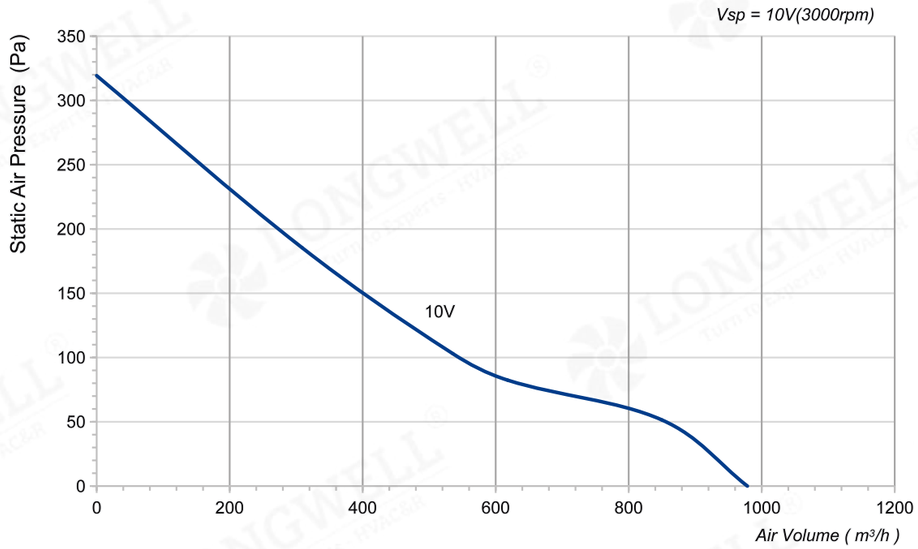


Product Characteristic

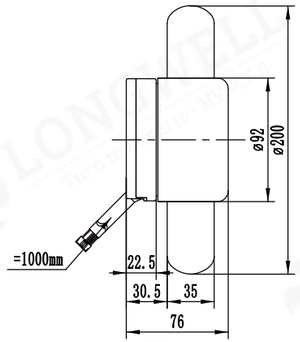
- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM,Tach output,Locked-Rotor protection,Reverse Polarity, Over-voltage Protection,Soft Start Protection

Technical Specifications

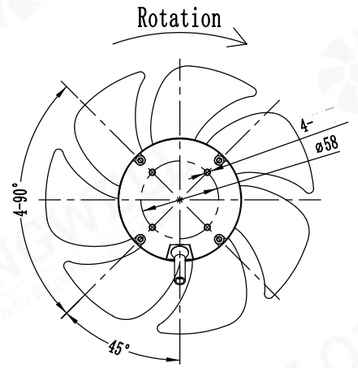
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G200ZS-7MNW-03	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZB-7MNW-04	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZS-7MEW-05	310	50/60	0.17	55	3000	979	319	60
LWAD3G200ZB-7MEW-06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



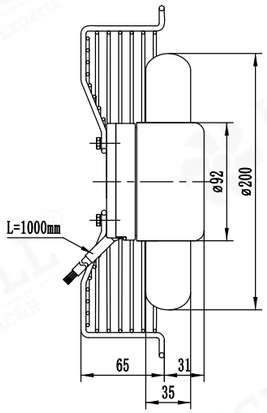
LWAD3G200ZS-7MNW-03(Suction)



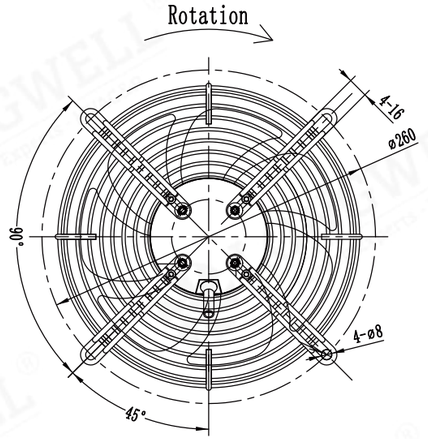
LWAD3G200ZB-7MNW-04(Blowing)



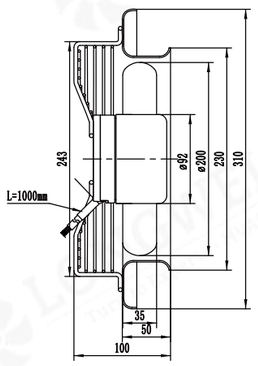
LWAD3G200ZS-7MEW-05(Suction)



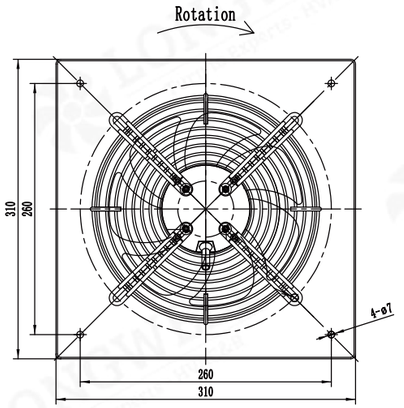
LWAD3G200ZB-7MEW-06(Blowing)



LWAD3G200ZS-7MGW-07(Suction)



LWAD3G200ZB-7MGW-08(Blowing)



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LWAD-250 Serise

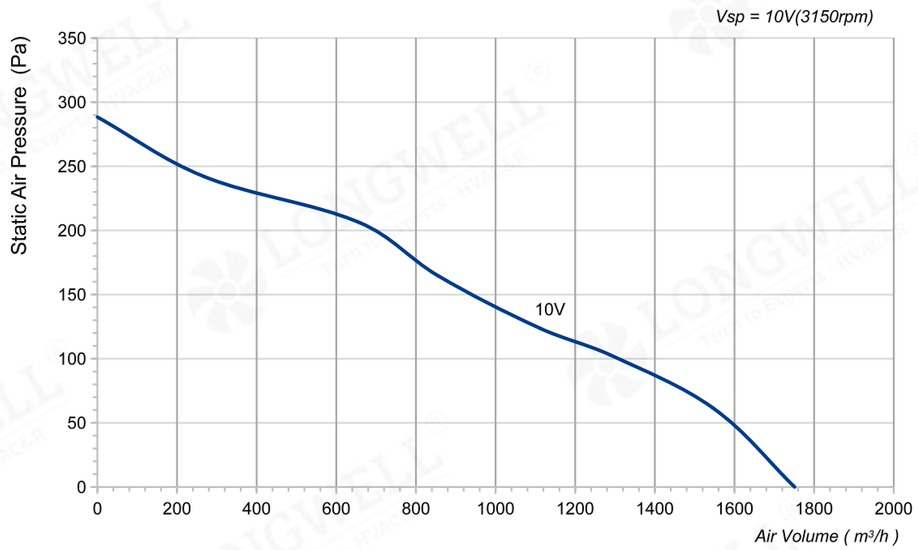


Product Characteristic

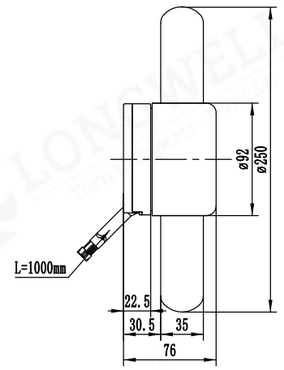
- Impeller Material : Metal sheet
- Protection Class: IP44
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Motor Type: Brushless DC external rotor motor
- Technical Feature: Control input 0-10VDC/PWM,Tach output,Locked-Rotor protection,Reverse Polarity, Over-voltage Protection,Soft Start Protection

Technical Specifications

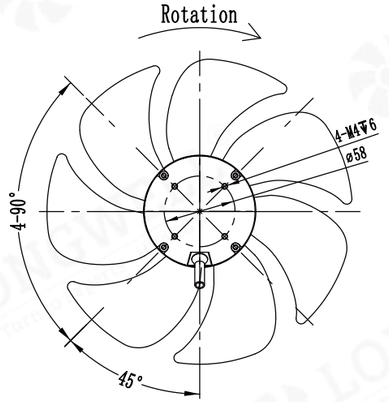
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G250ZS-7MNW-03	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZB-7MNW-04	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZS-7MEW-05	310	50/60	0.44	135	3150	1751	288	69
LWAD3G250ZB-7MEW-06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



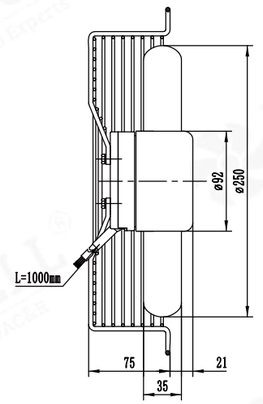
LWAD3G250ZS-7MNW-03(Suction)



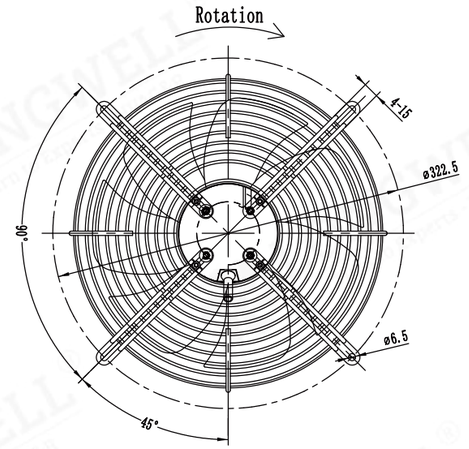
LWAD3G250ZB-7MNW-04(Blowing)



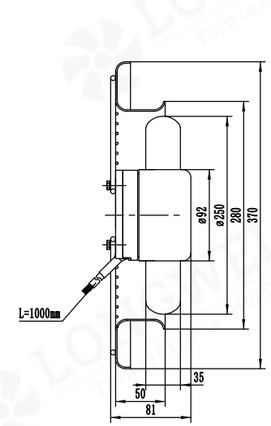
LWAD3G250ZS-7MEW-05(Suction)



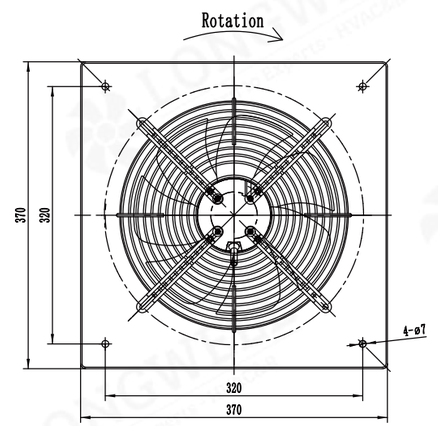
LWAD3G250ZB-7MEW-06(Blowing)



LWAD3G250ZS-7MKW-07(Suction)



LWAD3G250ZB-7MKW-08(Blowing)



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LWAD-300 Serise

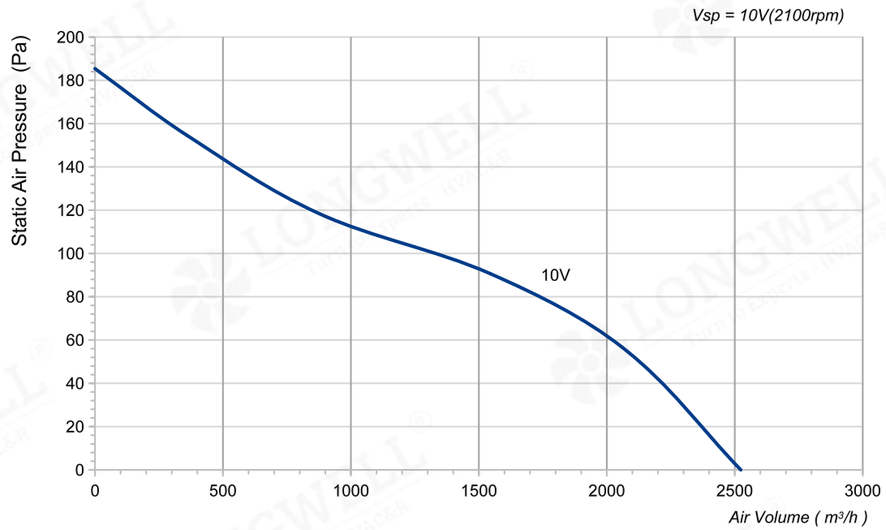


Product Characteristic

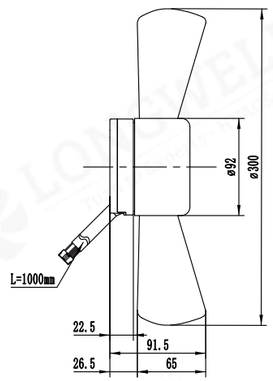
- Motor Type : BLDC Motor
- Protection Class: IP42
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Material: PA66
- Technical Feature: Control input 0-10VDC/PWM,Tach output,Locked-Rotor protection,Reverse Polarity, Over-voltage Protection,Soft Start Protection

Technical Specifications

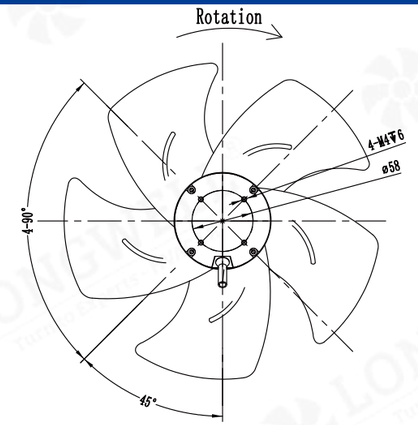
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power [W(@0Pa)]	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)	Noise [dB(A)]
LWAD3G300ZS-5PNW-01	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZB-5PNW-02	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZS-5PEW-03	310	50/60	0.52	165	2100	2524	185	69
LWAD3G300ZB-5PEW-04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



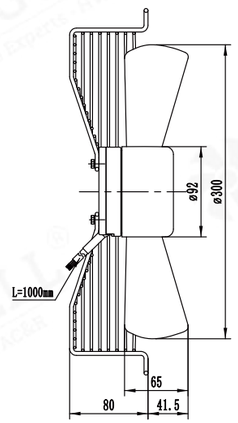
LWAD3G300ZS-5PNW-01(Suction)



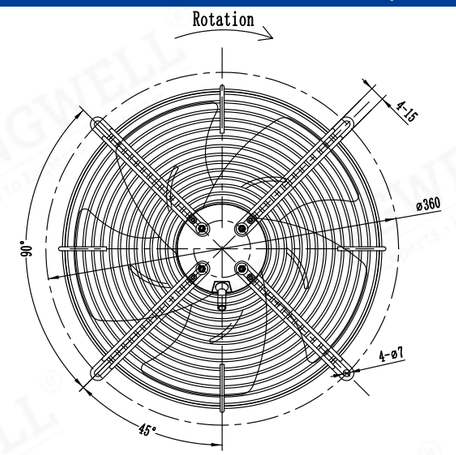
LWAD3G300ZB-5PNW-02(Blowing)



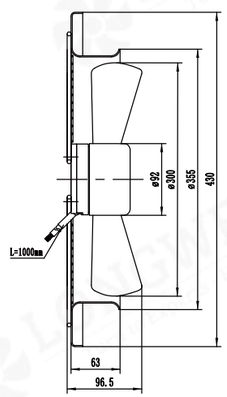
LWAD3G300ZS-5PEW-03(Suction)



LWAD3G300ZB-5PEW-04(Blowing)



LWAD3G300ZS-5PKW-05(Suction)



LWAD3G300ZB-5PKW-06(Blowing)

