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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Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
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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

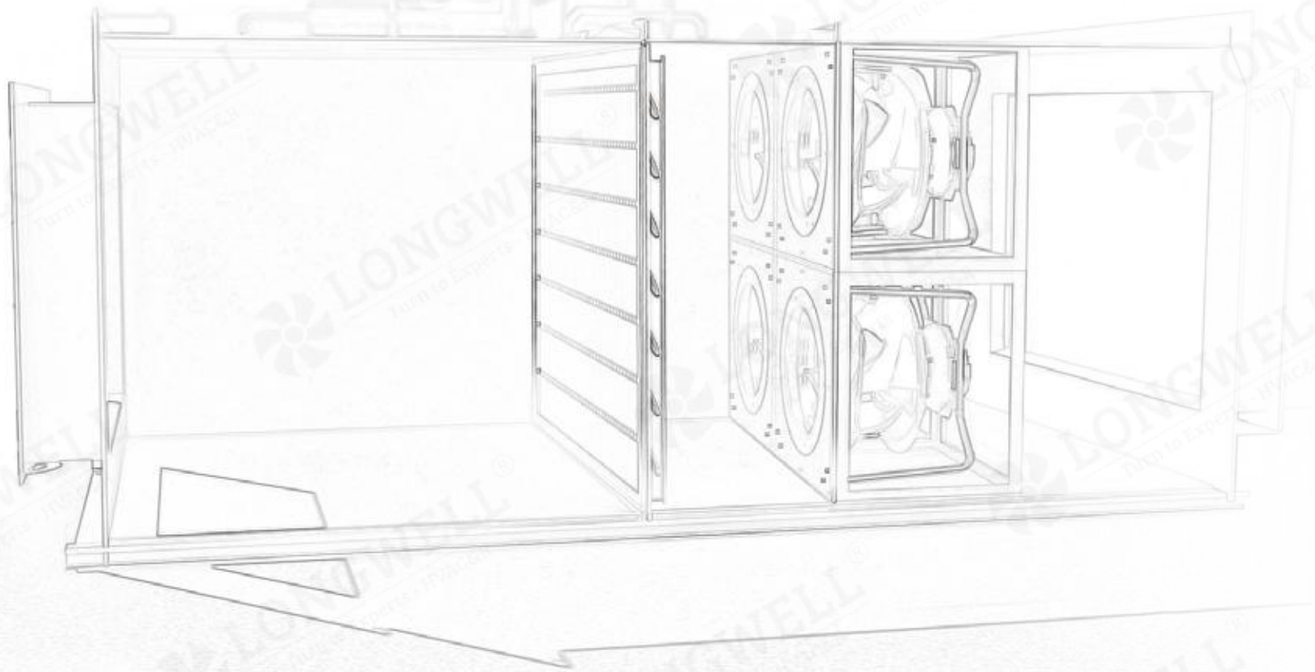
—— EC Backward curved Centrifugal Fan

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

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com







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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.

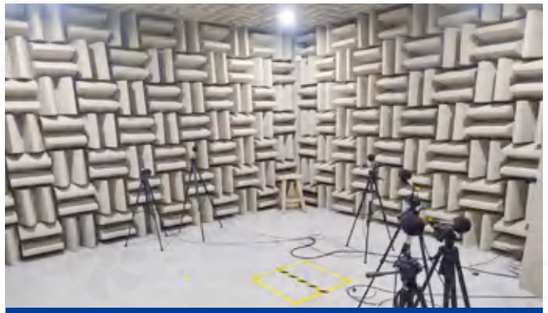
Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

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.

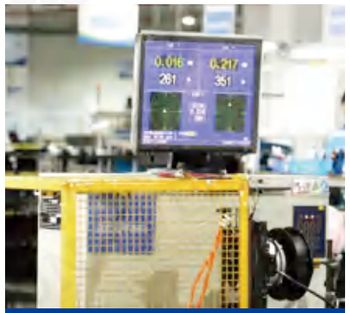
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

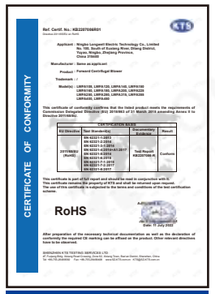

Own-Brand


Own-Brand


ETL


ETL

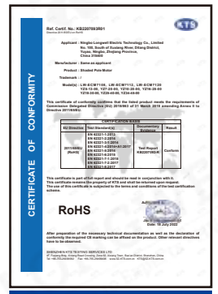

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL

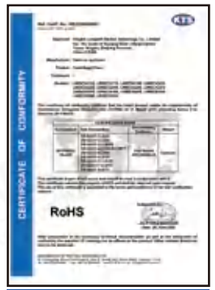

ETL

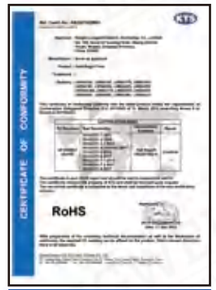

CE

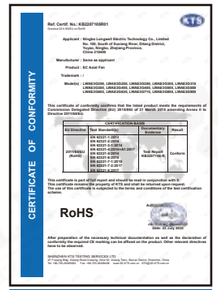

CE

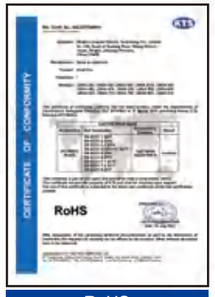

ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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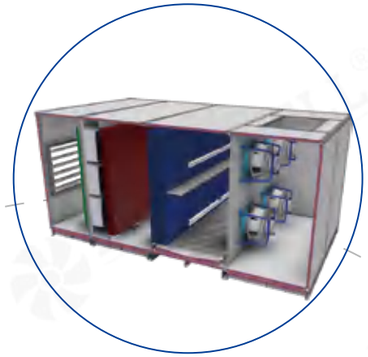
Mainly Application

AHU/FCU/FFU/Air Purifier/ Sterilization Equipments/
Humidiifier equipments/EC Fan Grid (Wall)

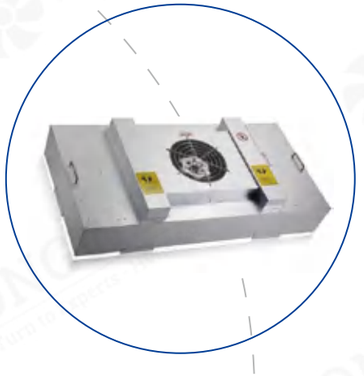




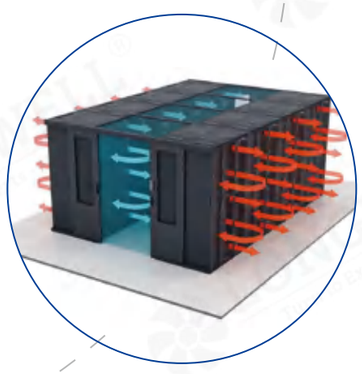
Ventilation Equipments Project



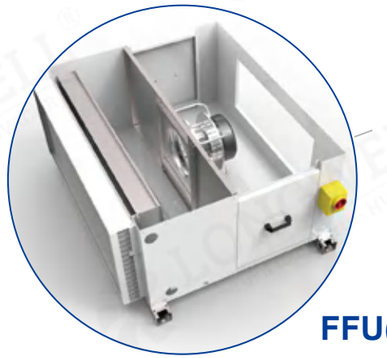
Ventilation Unit Project



FFU(Fan Filter Unit) Project



Data Center Cooling Project



FFU(Fan Filter Unit) Project

Type Code

LW B E 3G 133 - 072 N 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

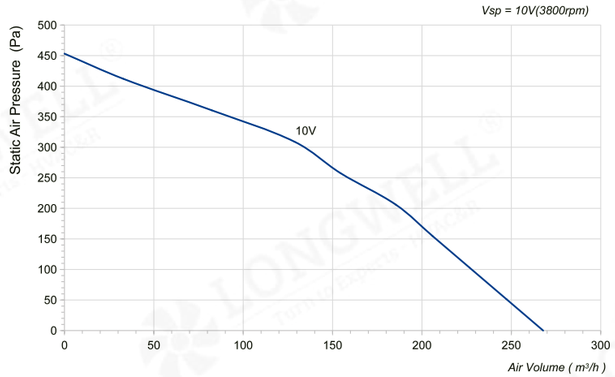
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EC Backward curved Centrifugal Fan

Professional HVAC Fan &Motors Manufacturer



LWBE-133 Serise





Product Characteristic

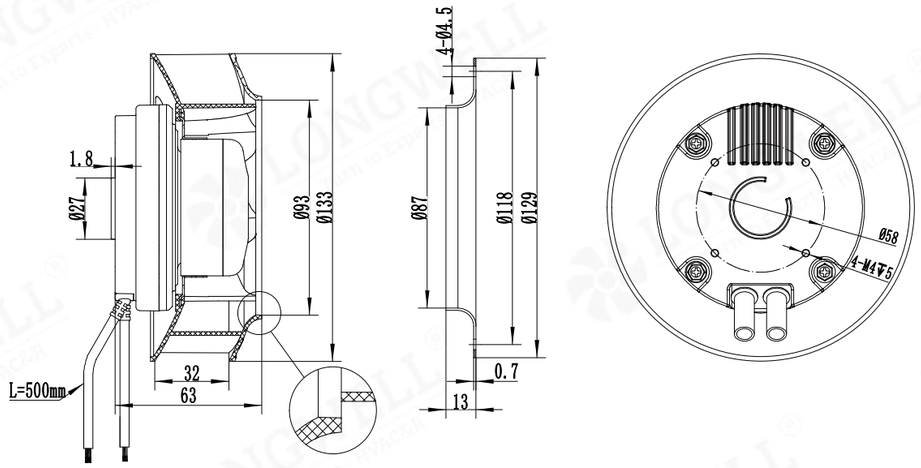
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

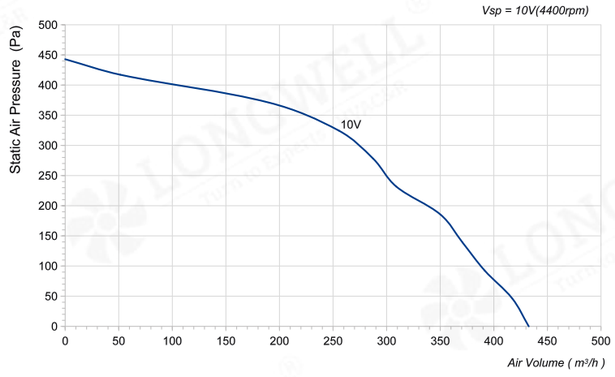
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G133-072NS-07	230	30	0.23	268	453	3800	63
LWBE3G133-072NU-09	115	30	0.5	268	453	3800	63



LWBE-133 Serise





Product Characteristic

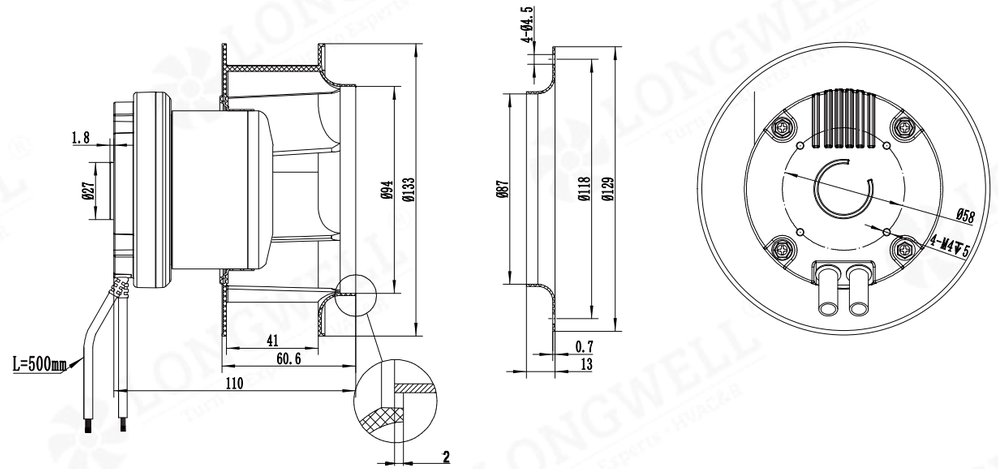
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

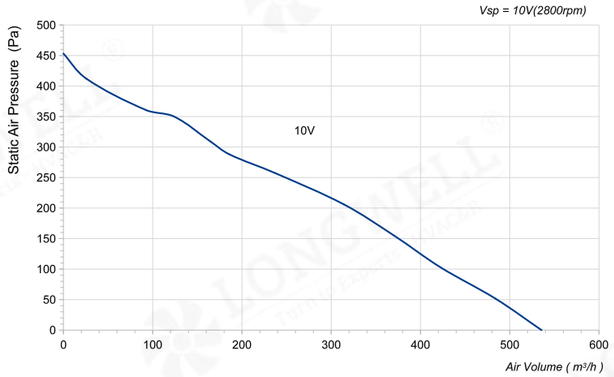
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G133-072NS-08	230	53	0.38	433	433	4400	70
LWBE3G133-072NU-10	115	53	0.76	433	433	4400	70



LWBE-175 Serise





Product Characteristic

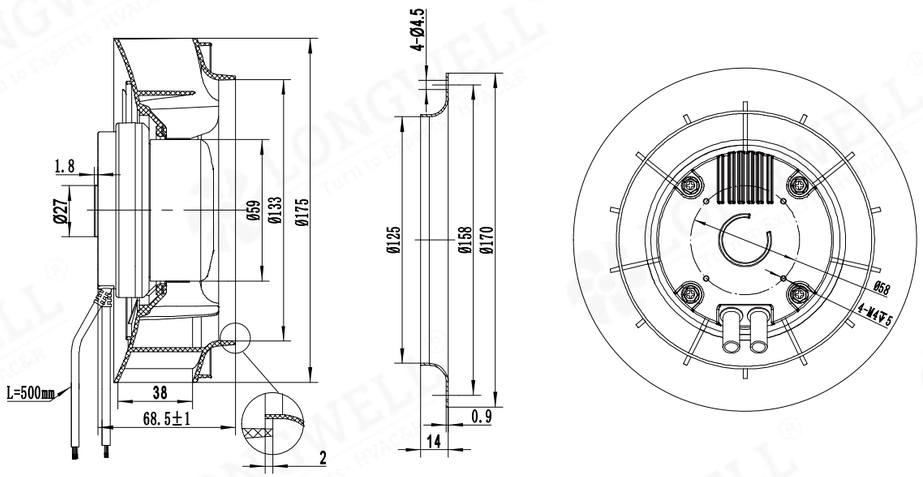
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

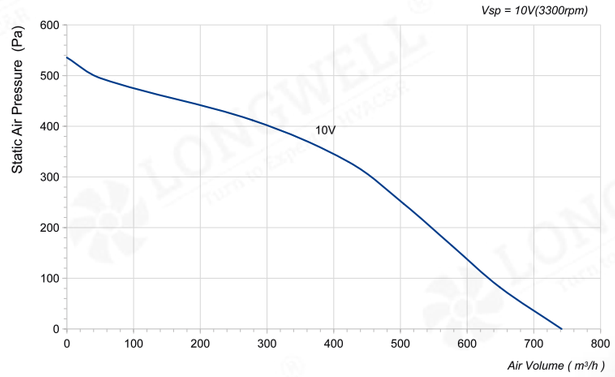
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G175-072NS-06	230	55	0.4	536	453	2800	65
LWBE3G175-072NU-16	115	55	0.8	536	453	2800	65



LWBE-175 Serise





Product Characteristic

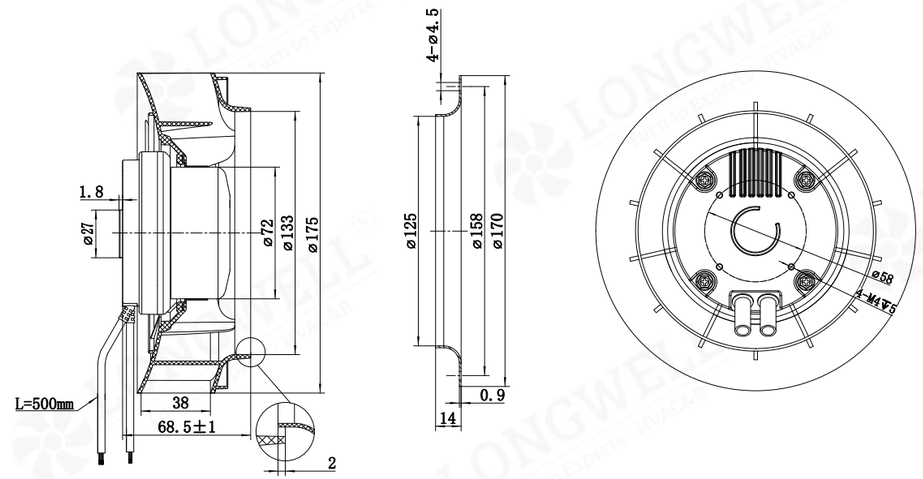
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

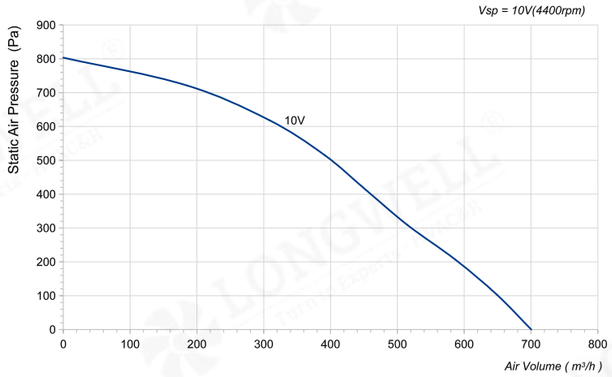
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G175-072NS-03	230	85	0.65	742	536	3300	72
LWBE3G175-072NU-17	115	85	1.2	742	536	3300	72



LWBE-175 Serise





Product Characteristic

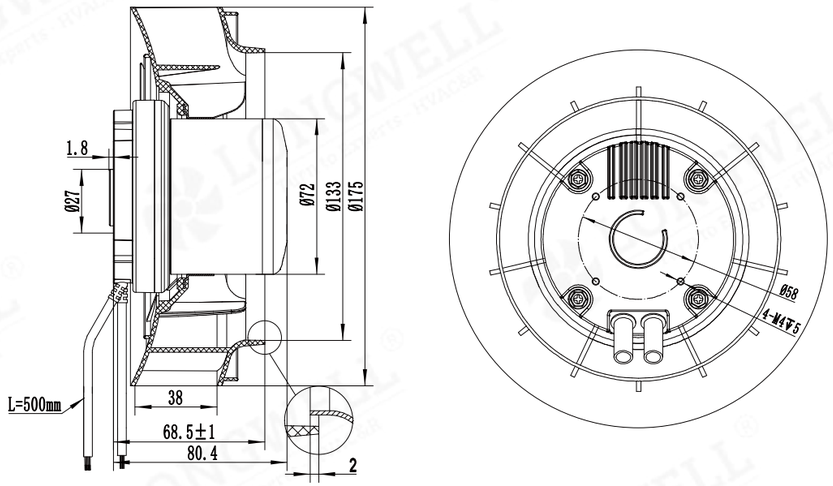
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

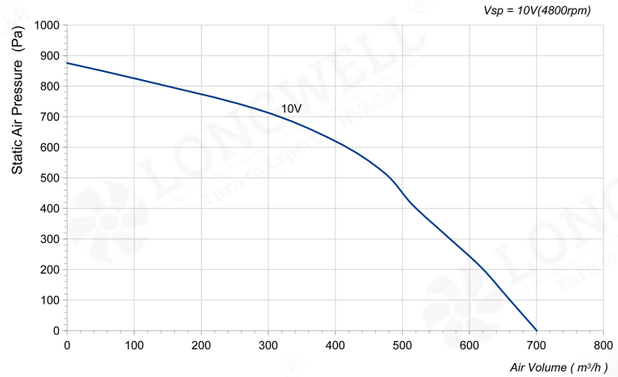
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G175-072NS-08	230	115	0.9	700	803	4400	74
LWBE3G175-072NU-18	115	115	1.8	700	803	4400	74



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LWBE-175 Serise





Product Characteristic

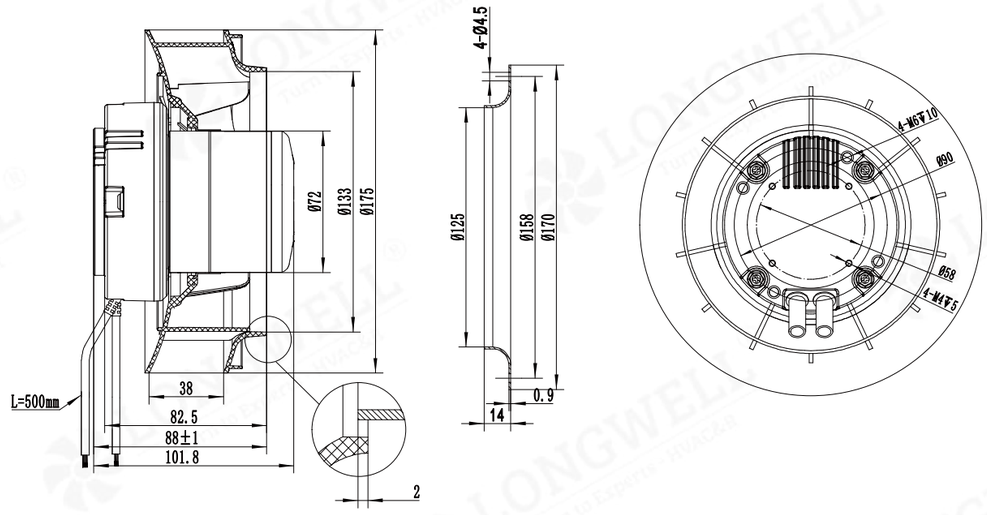
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

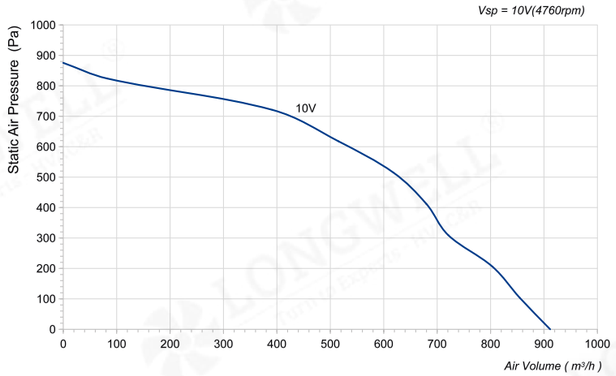
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G175-072NS-09	230	155	1.09	700	876	4800	75



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LWBE-175 Serise



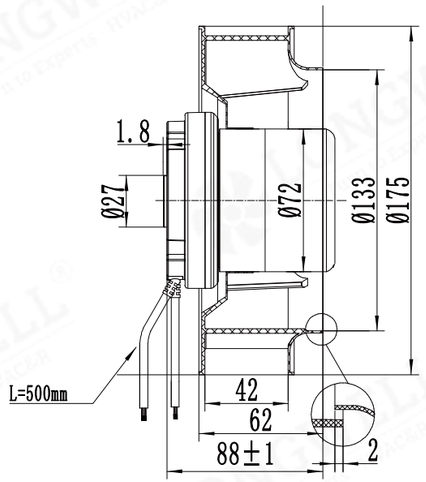


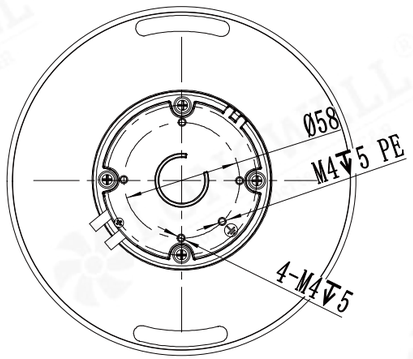
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

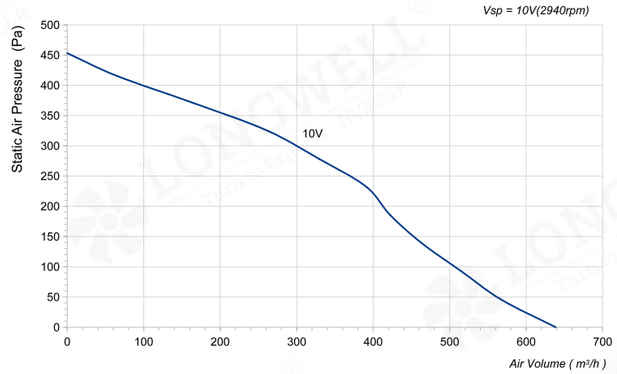
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G175-072NS-07	230	170	1.2	912	876	4760	71
LWBE3G175-072NU-19	115	170	2.4	912	876	4760	71





LWBE-190 Serise



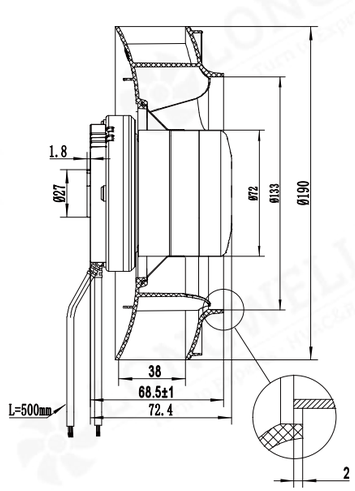


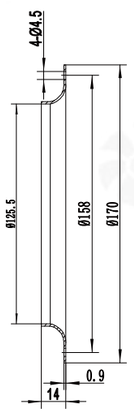
Product Characteristic

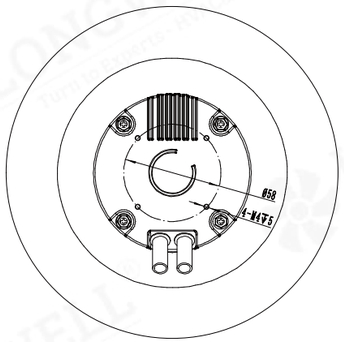
- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

Technical Specifications

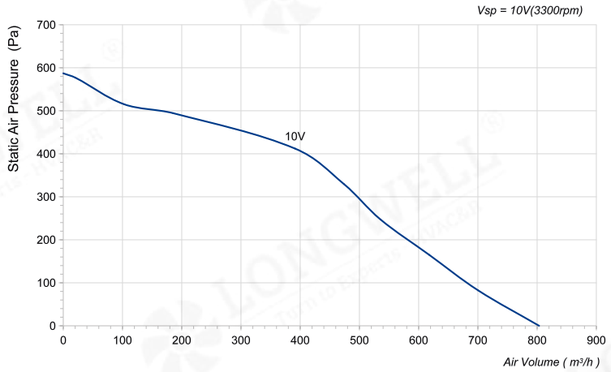
Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G190-072NS-14	230	64	0.53	639	453	2940	65
LWBE3G190-072NU-18	115	64	1.1	639	453	2940	65







LWBE-190 Serise





Product Characteristic

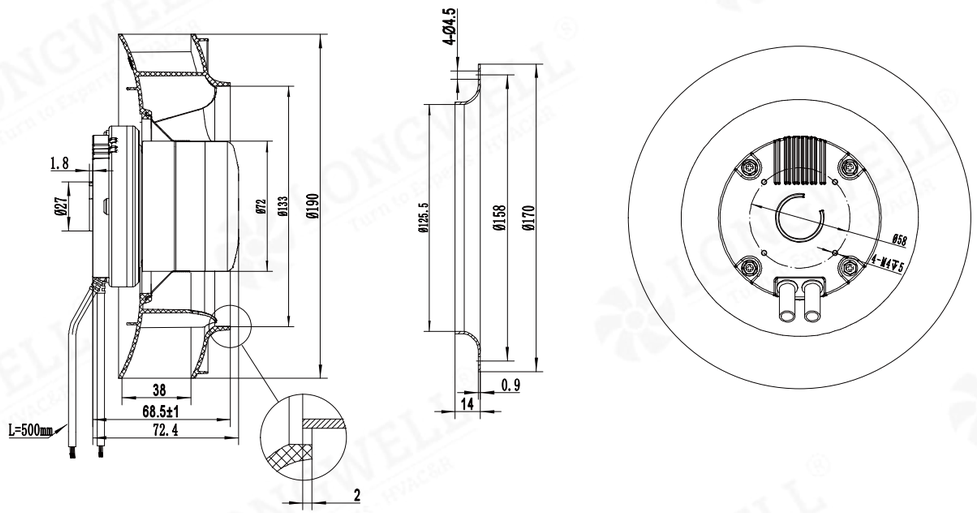
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

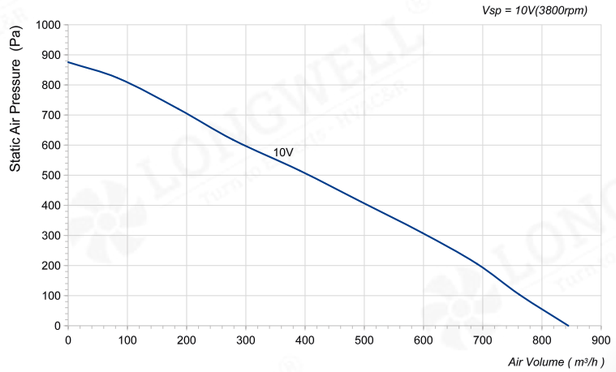
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G190-072NS-13	230	87	0.65	814	587	3300	70



LWBE-190 Serise





Product Characteristic

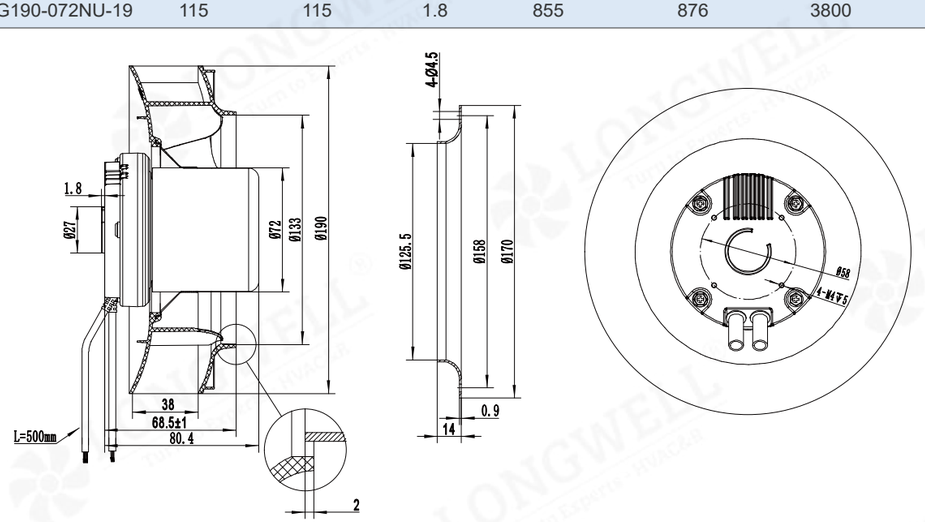
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

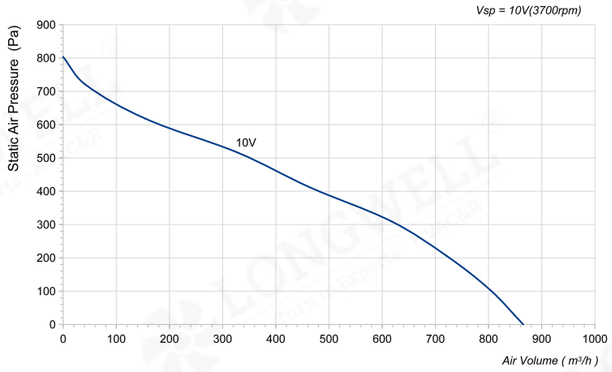
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G190-072NS-12	230	115	0.9	855	876	3800	71
LWBE3G190-072NU-19	115	115	1.8	855	876	3800	71



LWBE-190 Serise





Product Characteristic

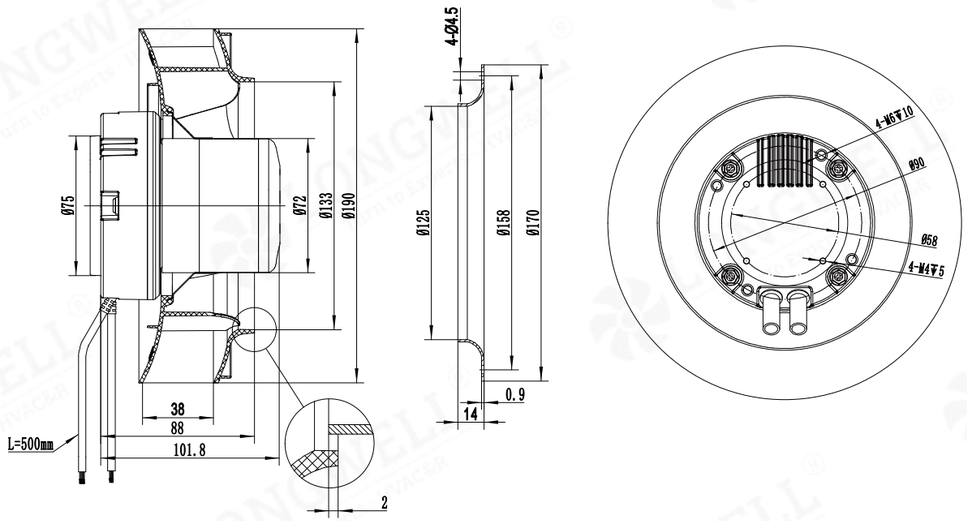
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

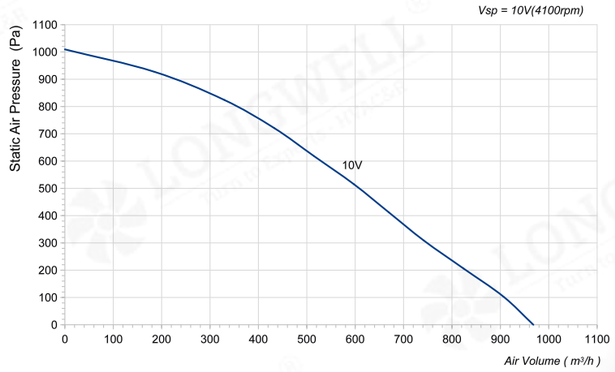
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G190-072NS-15	230	135	1.05	855	803	3700	70



LWBE-190 Serise





Product Characteristic

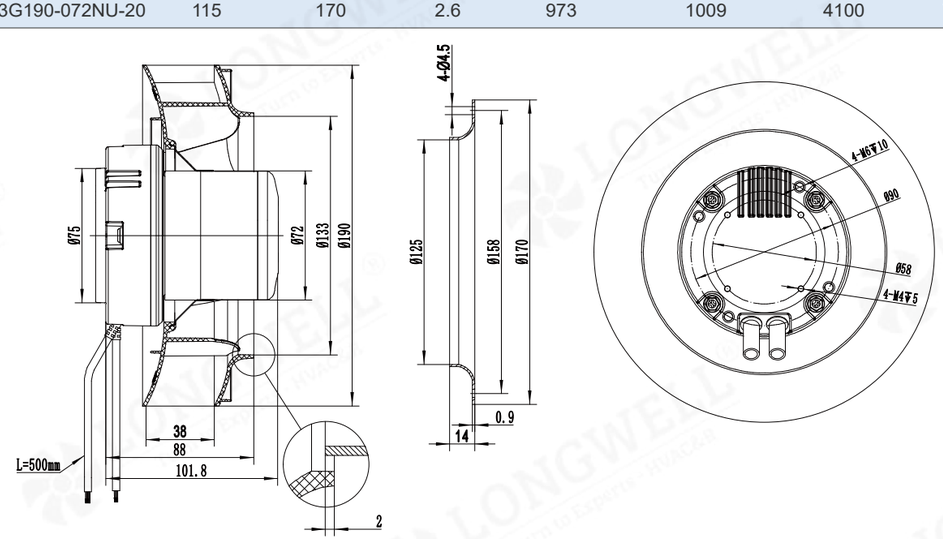
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

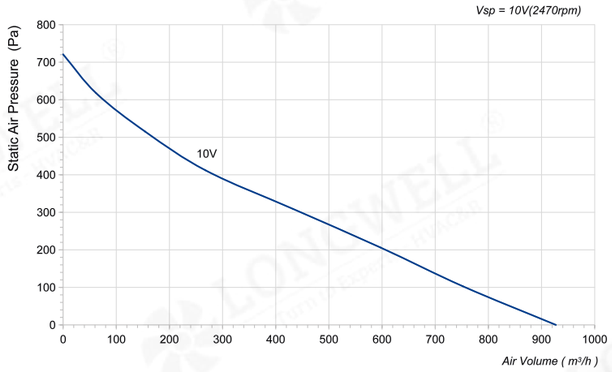
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G190-072NS-06	230	170	1.3	973	1009	4100	72
LWBE3G190-072NU-20	115	170	2.6	973	1009	4100	72



LWBE-220 Serise





Product Characteristic

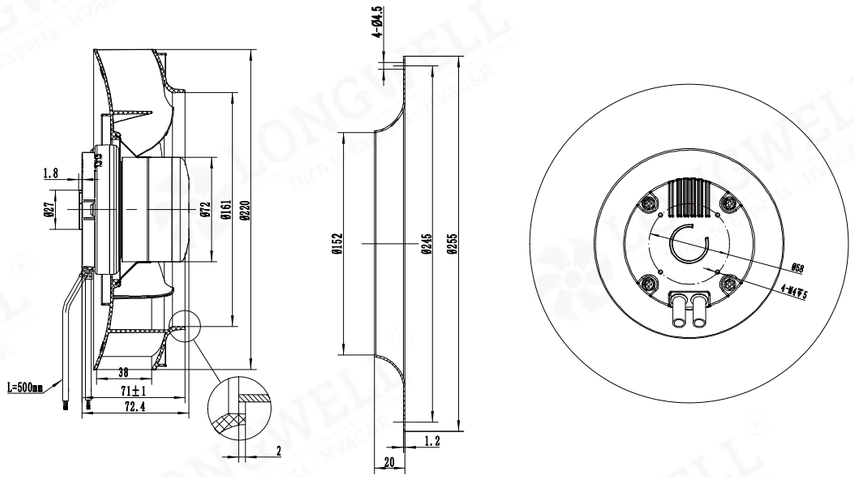
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

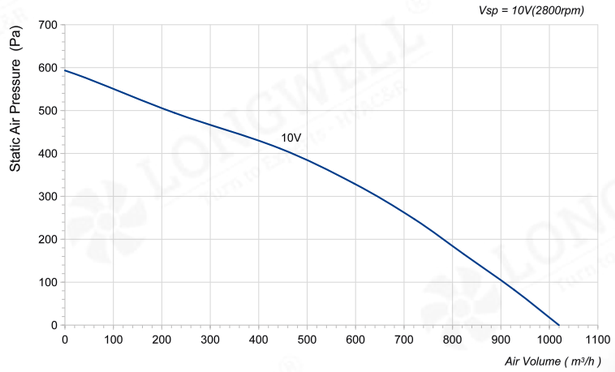
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G220-072NS-07	230	86	0.71	937	721	2470	68
LWBE3G220-072NU-13	115	86	1.4	937	721	2470	68



LWBE-220 Serise





Product Characteristic

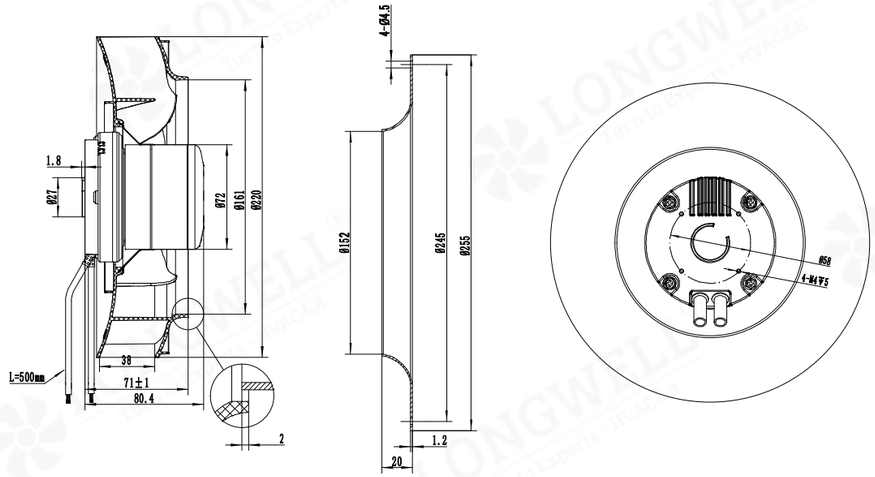
Impeller Material:	PA6+GF	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

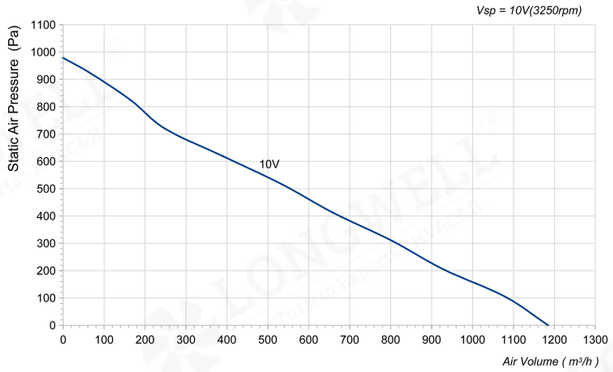
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G220-072NS-09	230	115	0.9	1020	597	2800	69
LWBE3G220-072NU-14	115	115	1.8	1020	597	2800	69



Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

LWBE-220 Serise





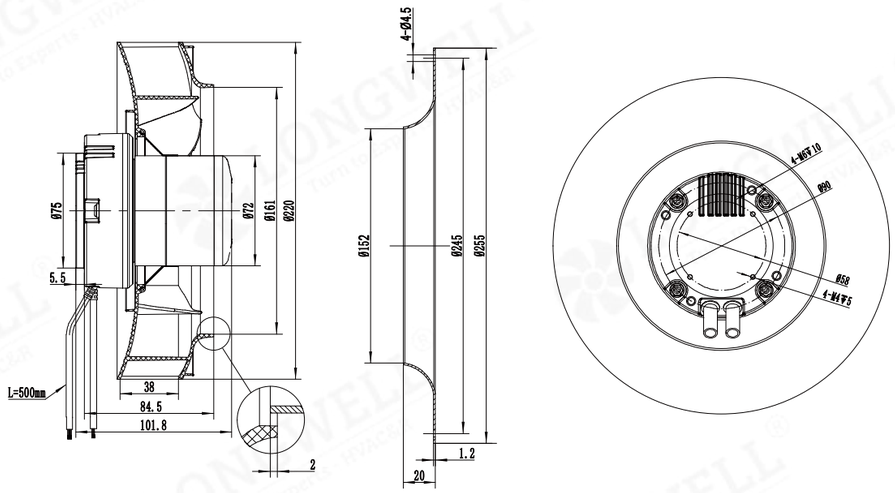
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

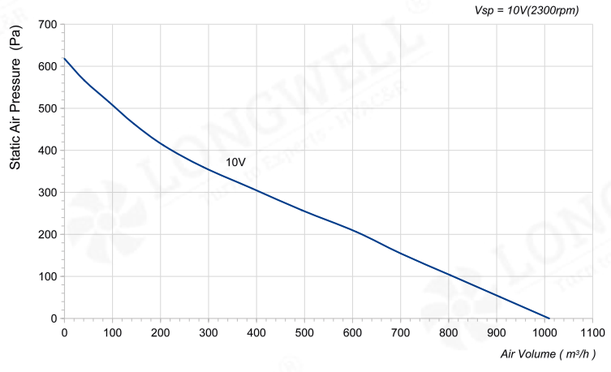
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G220-072NS-08	230	168	1.27	1185	979	3250	70
LWBE3G220-072NU-12	115	168	2.55	1185	979	3250	70



LWBE-225 Serise





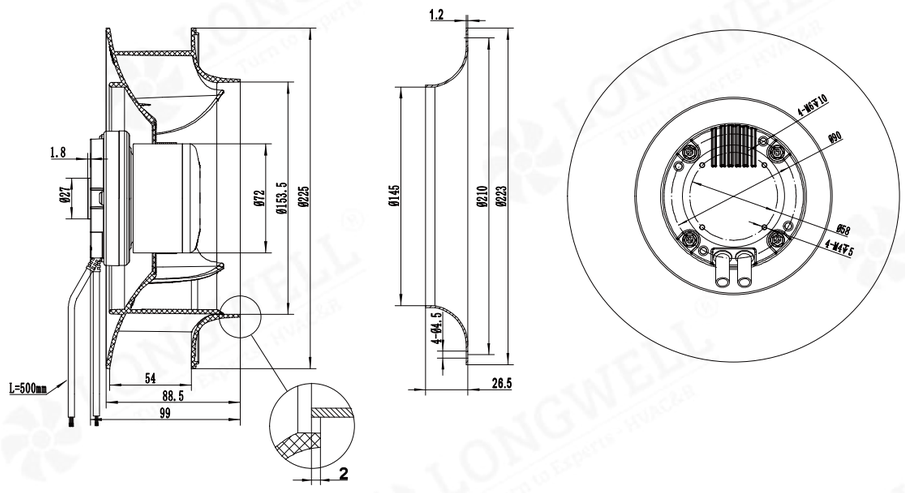
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

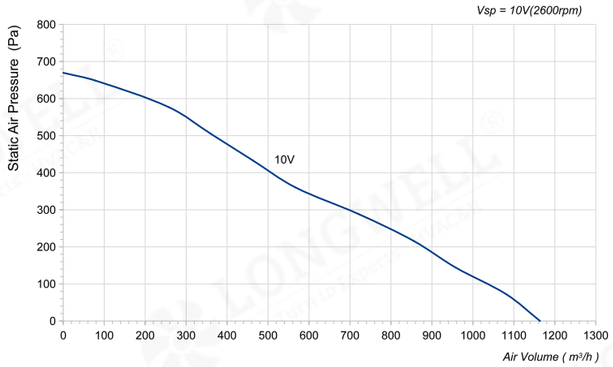
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G225-072NS-11	230	85	0.7	1009	618	2300	65
LWBE3G225-072NU-14	115	85	1.4	1009	618	2300	65



LWBE-225 Serise





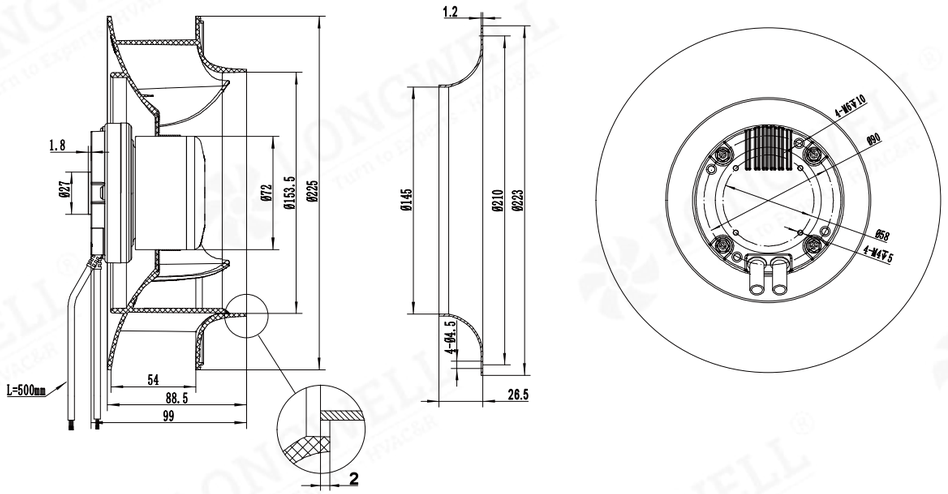
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

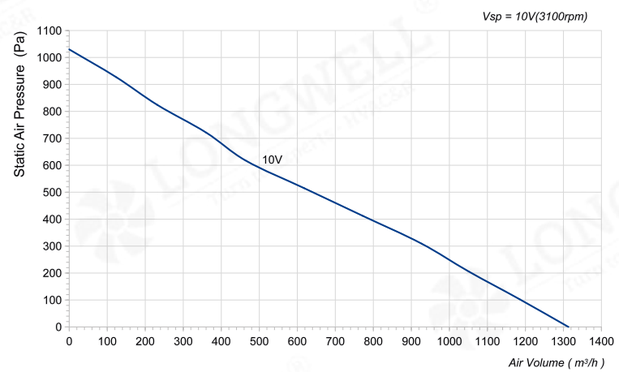
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G225-072NS-13	230	115	0.9	1185	670	2600	67
LWBE3G225-072NU-15	115	115	1.8	1185	670	2600	67



LWBE-225 Serise





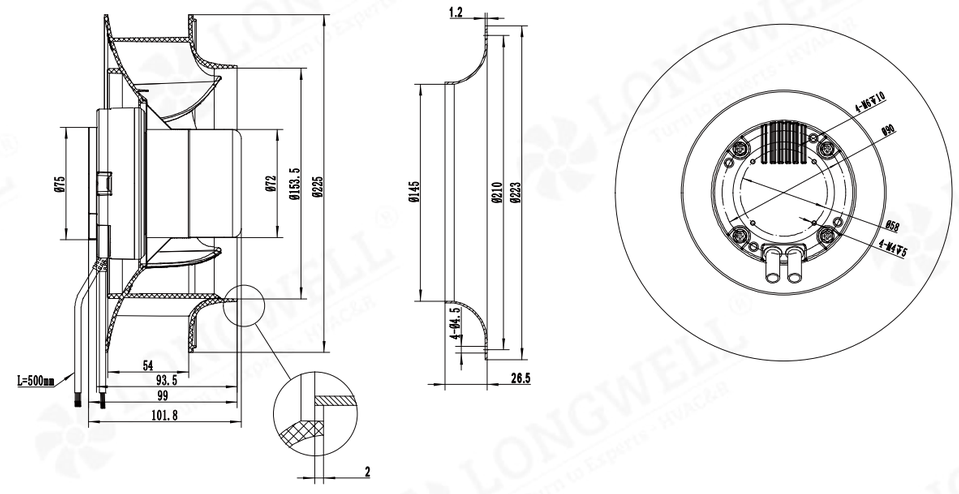
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

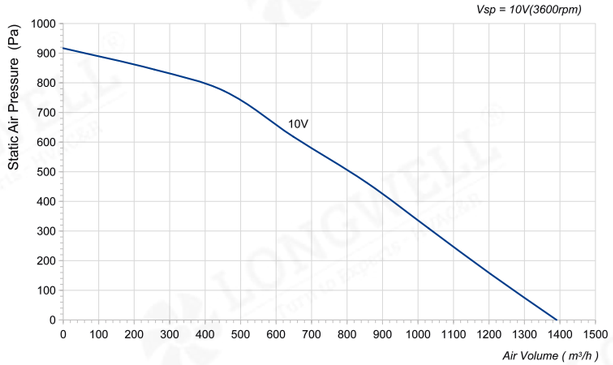
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G225-072NS-07	230	170	1.26	1313	1030	3100	70
LWBE3G225-072NU-16	115	170	2.52	1313	1030	3100	70



LWBE-225 Serise





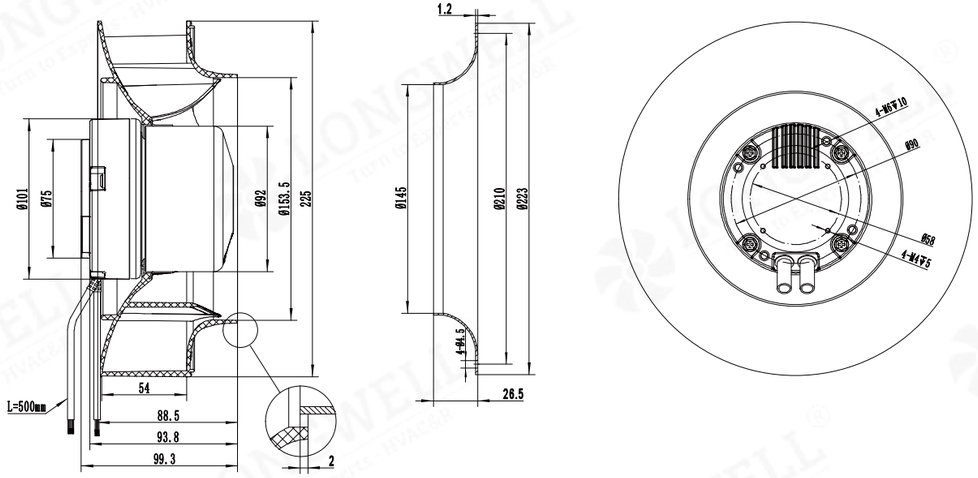
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

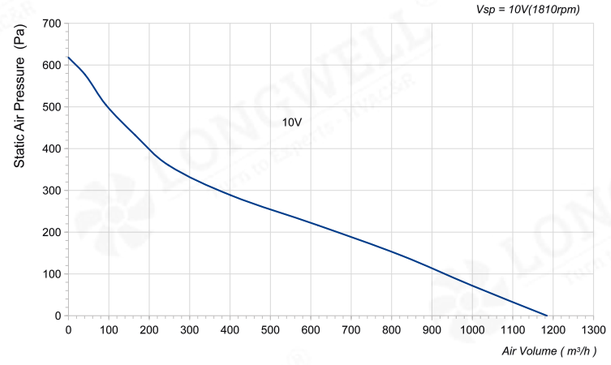
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G225-092NS-10	230	230	1.7	1360	906	3600	71
LWBE3G225-092NU-17	115	230	3.4	1360	906	3600	71



LWBE-250 Serise





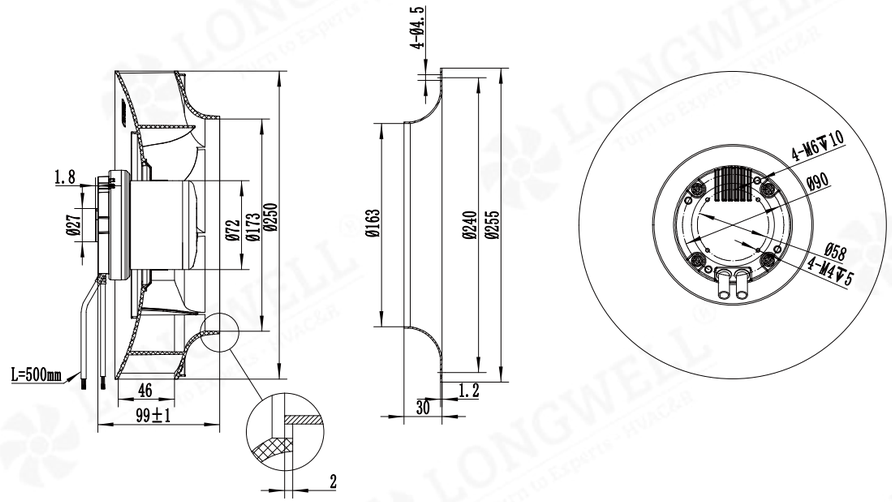
Product Characteristic

- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

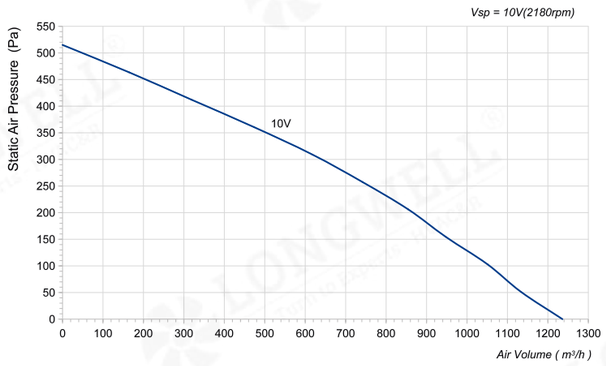
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-072NS-08	230	85	1.26	1185	618	1810	62
LWBE3G250-072NU-32	115	85	1.3	1185	618	1810	62



LWBE-250 Serise



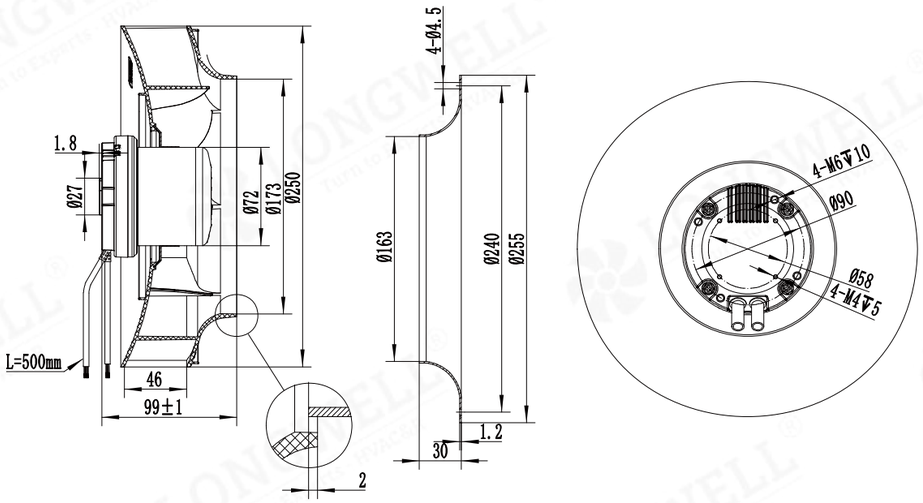


Product Characteristic

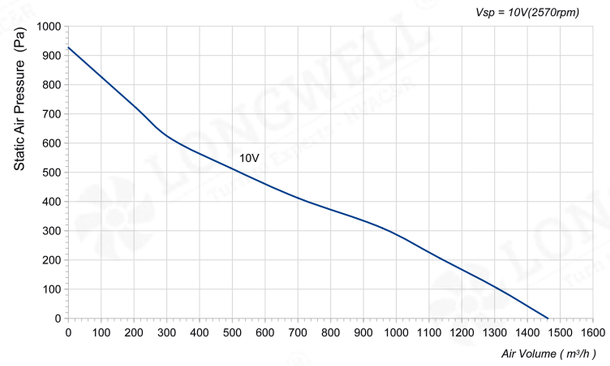
- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-072NS-18	230	115	0.9	1236	515	2180	62
LWBE3G250-072NU-33	115	115	1.8	1236	515	2180	62



LWBE-250 Serise



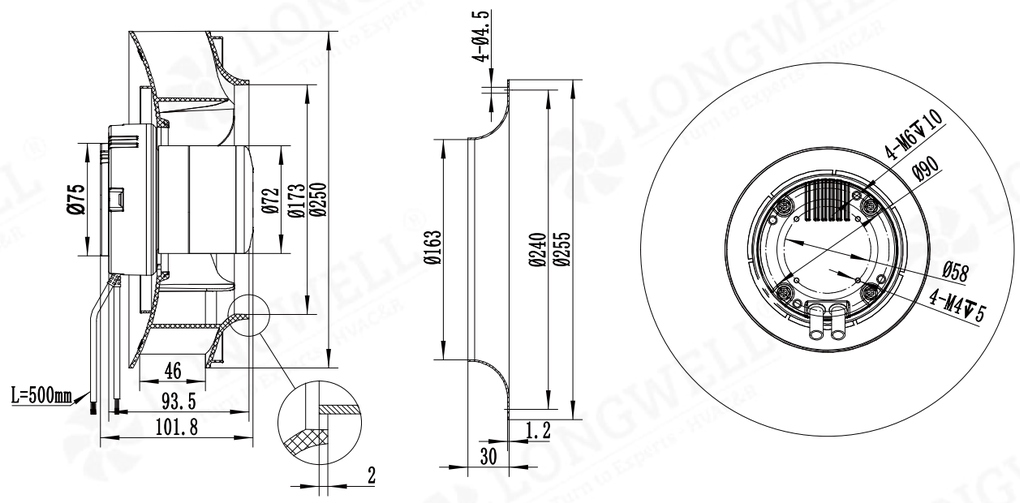


Product Characteristic

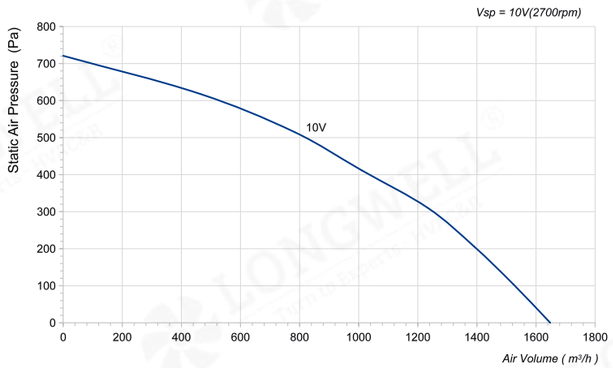
- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-072NS-09	230	169	1.27	1478	927	2570	71
LWBE3G250-072NU-34	115	169	2.54	1478	927	2570	71



LWBE-250 Serise



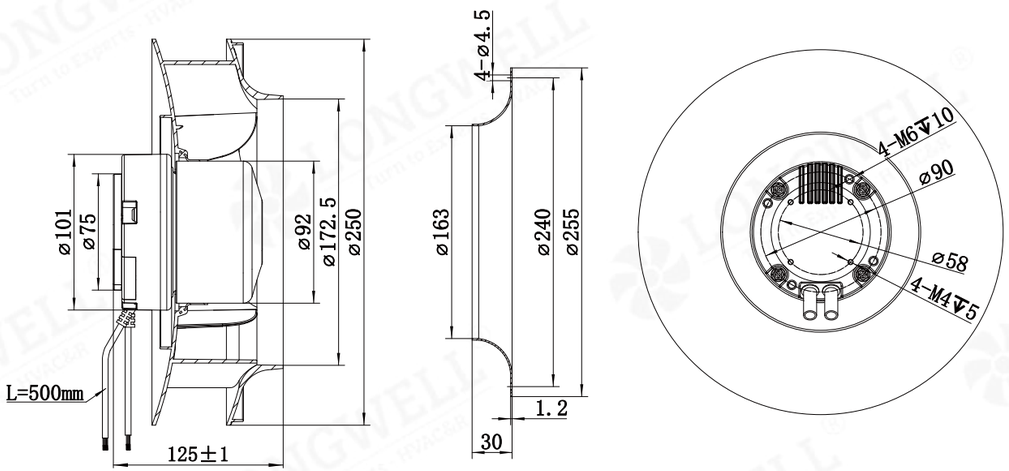


Product Characteristic

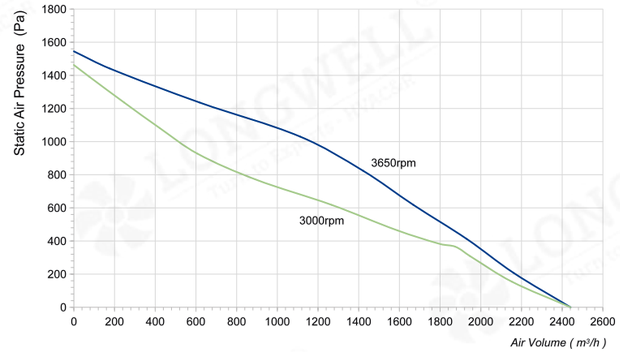
- Impeller Material: PA6+GF
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-092NS-19	230	230	1.65	1648	721	2700	71
LWBE3G250-092NU-35	115	230	3.2	1648	721	2700	71



LWBE-250 Serise



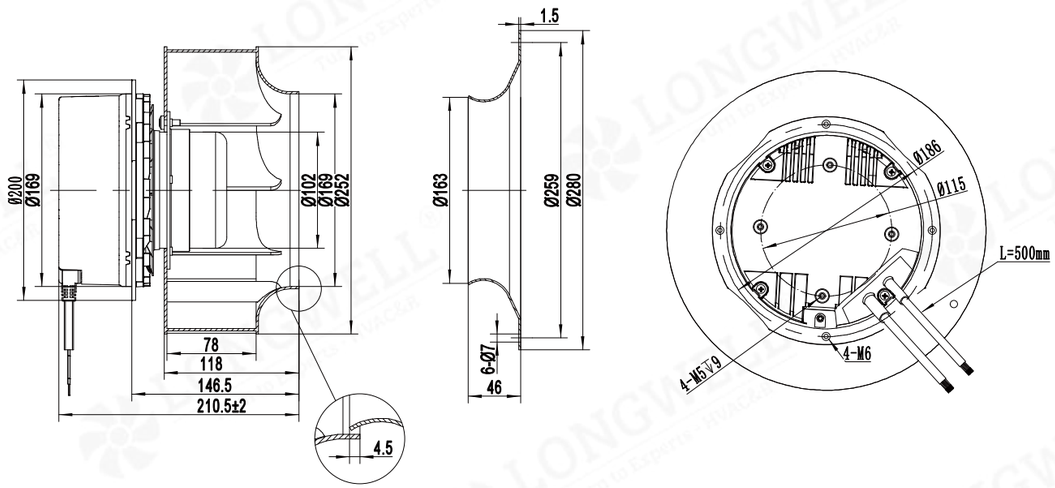


Product Characteristic

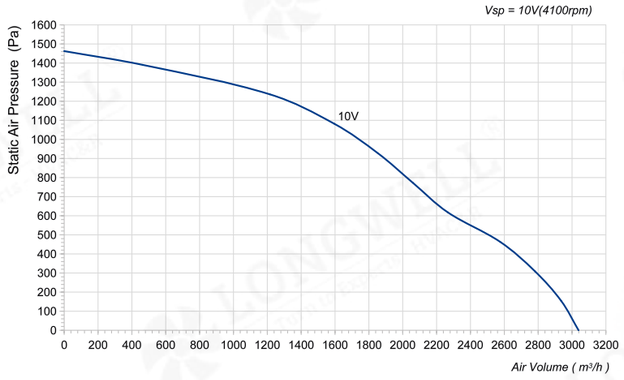
- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-102NS-10	230	520	2.5	2472	1545	3650	85
LWBE3G250-102NU-36	115	420	3.7	2472	1463	3000	75



LWBE-250 Serise





Product Characteristic

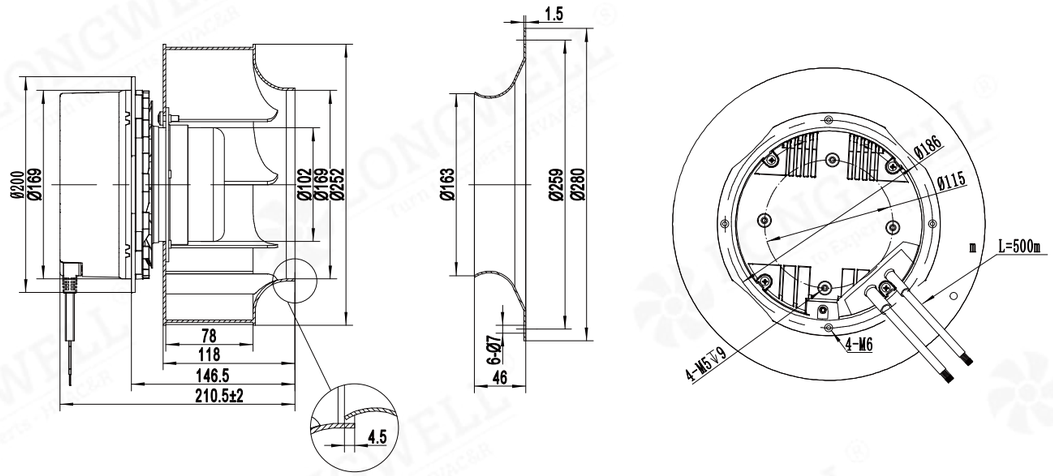
Impeller Material:	Aluminum Alloy	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

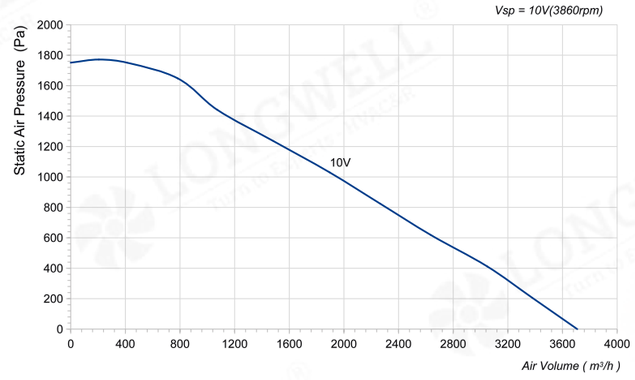
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-102NS-20	230	750	3.4	3039	1442	4100	93



LWBE-250 Serise





Product Characteristic

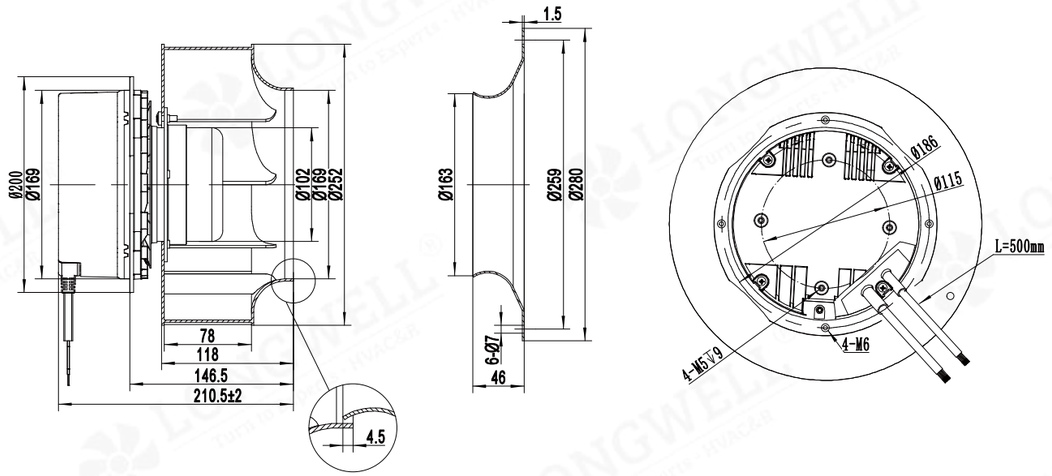
Impeller Material:	Aluminum Alloy	Supply Voltage:	400V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

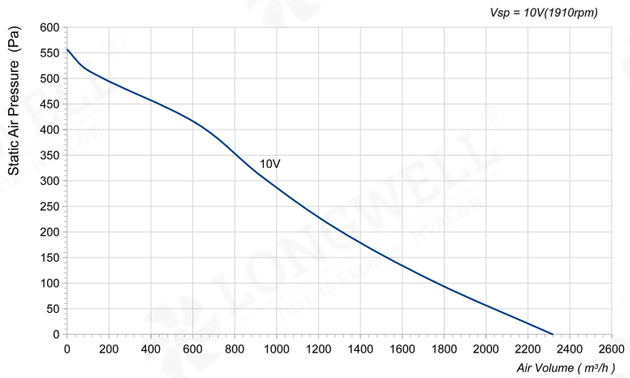
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G250-102NT-21	400	1000	1.6	3708	1751	3860	92



LWBE-280 Serise





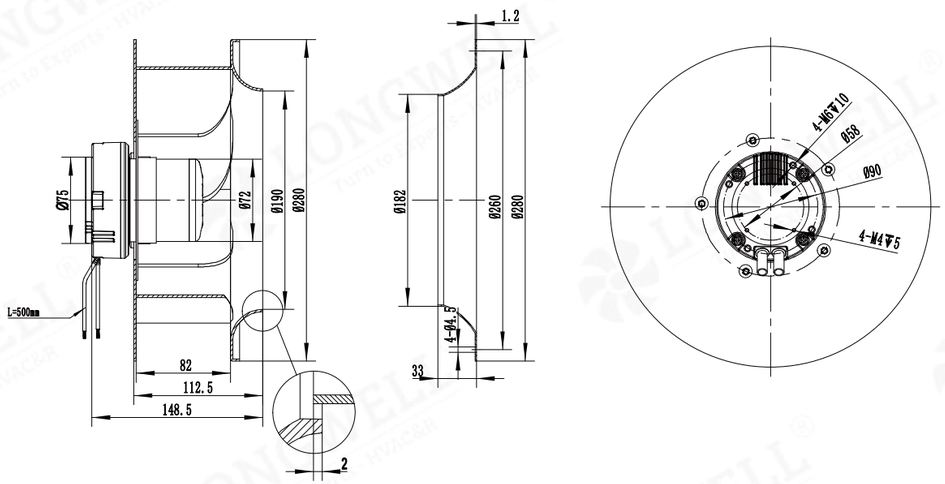
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

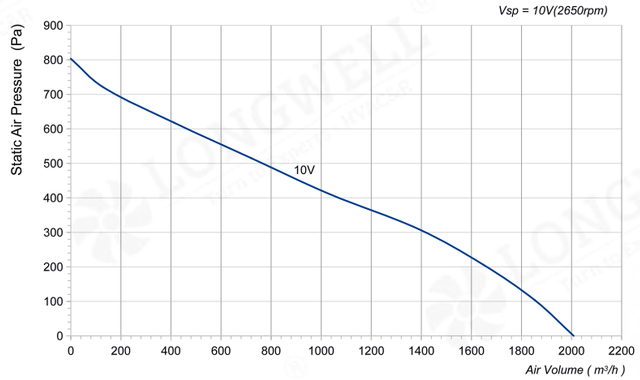
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G280-072NS-12	230	170	1.2	2318	556	1910	73
LWBE3G280-072NU-21	115	170	2.4	2318	556	1910	73



LWBE-280 Serise





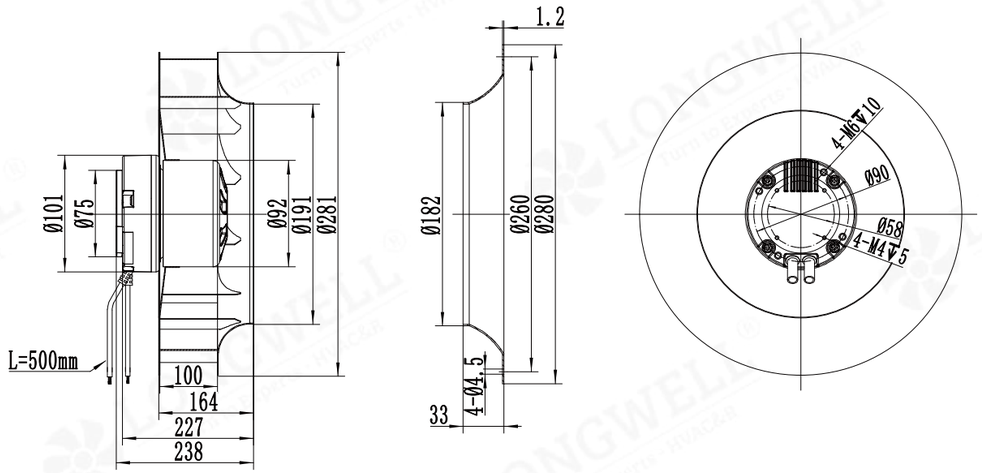
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

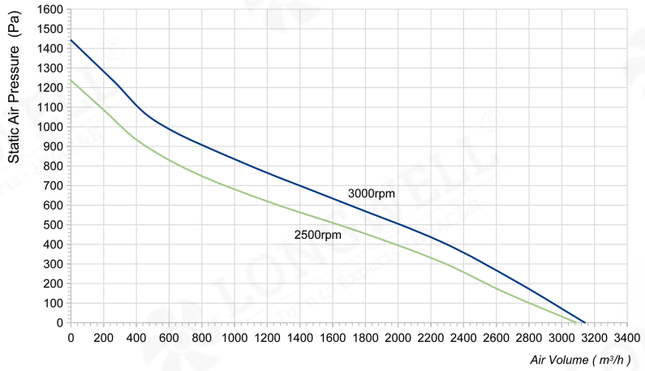
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G280-092NS-11	230	225	1.6	2009	803	2650	70



LWBE-280 Serise





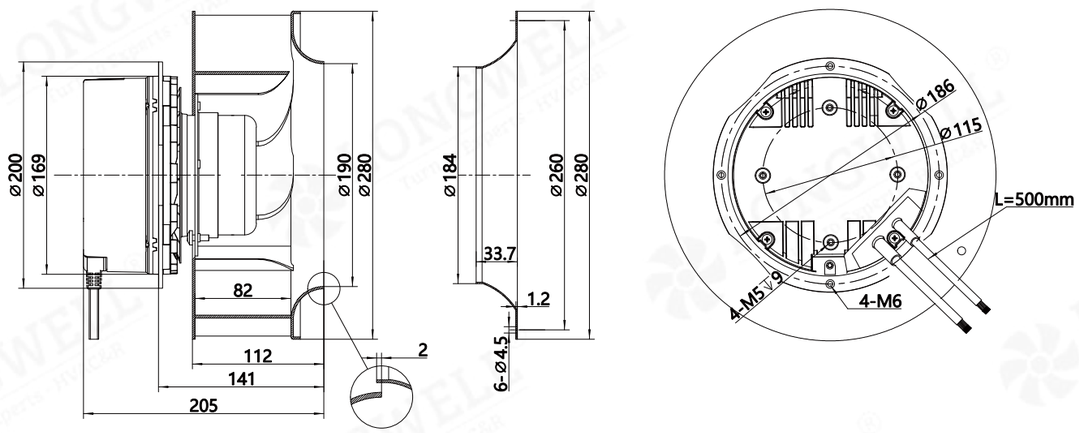
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

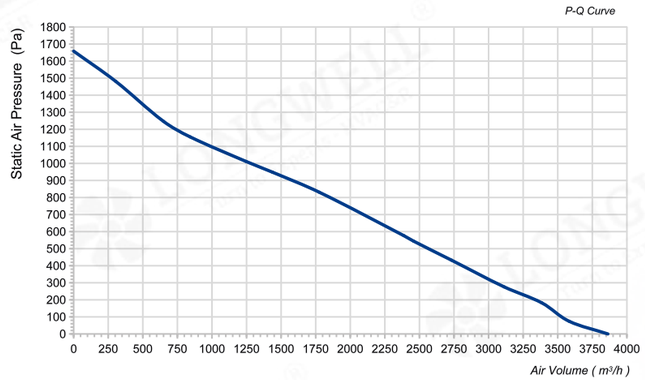
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G280-102NS-16	230	500	2.3	3193	1442	3000	75
LWBE3G280-102NU-22	115	400	3.5	3090	1236	2500	71



LWBE-280 Serise





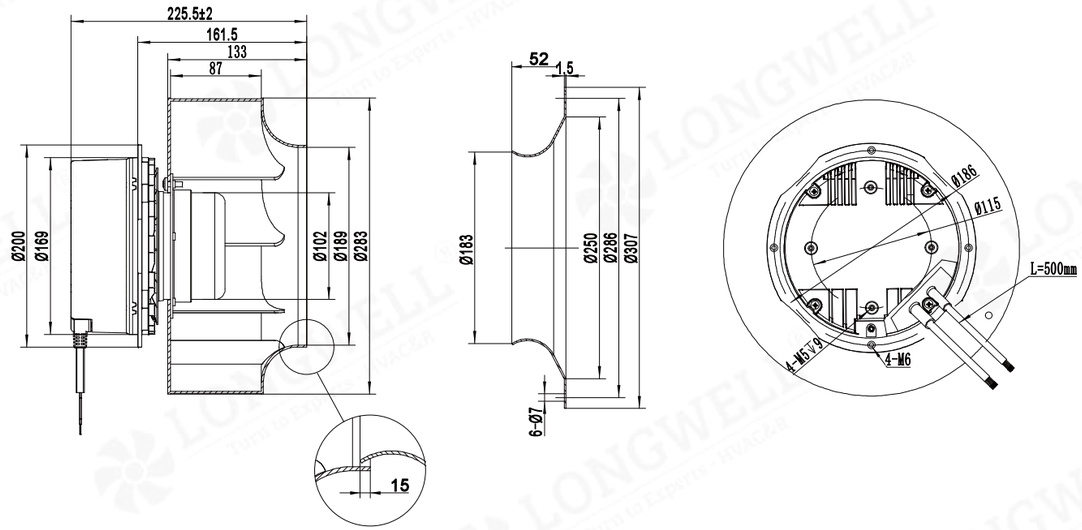
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

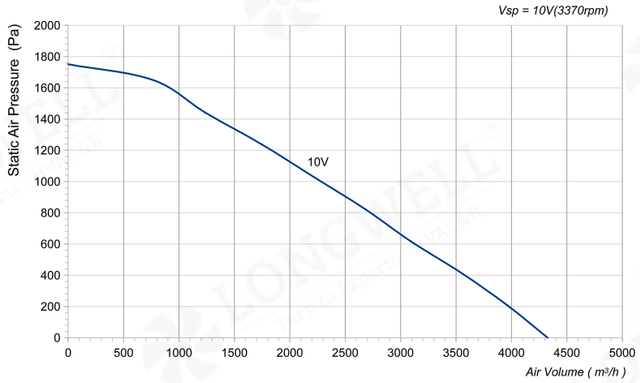
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G280-102NS-06	230	700	3.1	3863	1658	3270	85



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LWBE-280 Serise





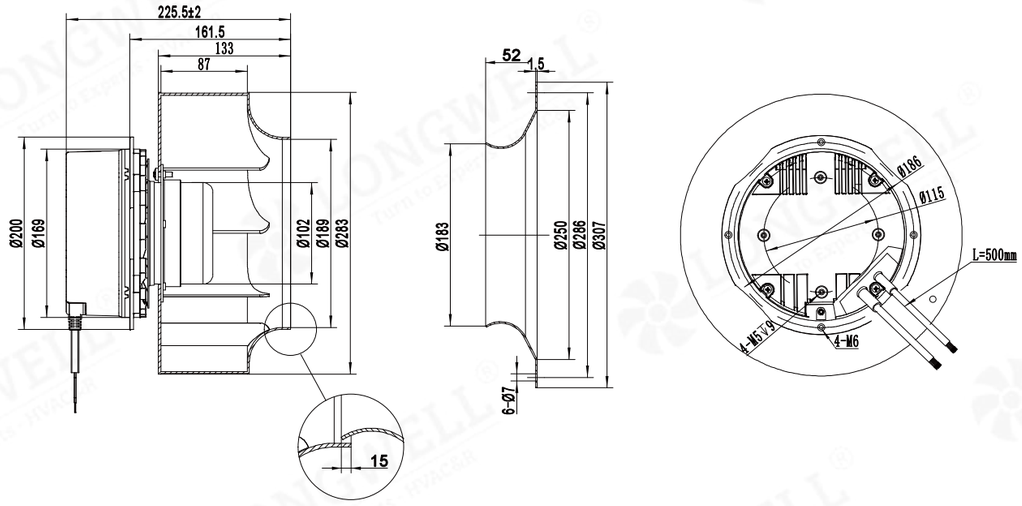
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 400V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

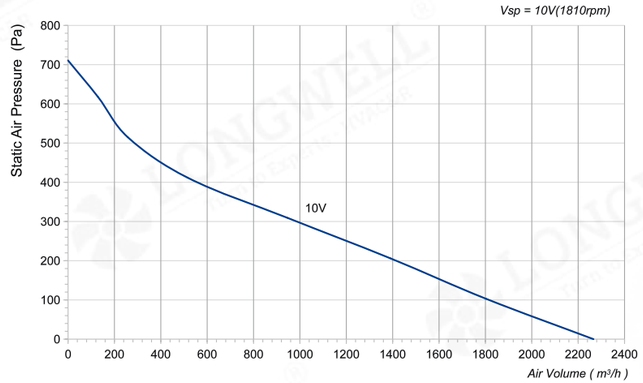
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G280-102NT-17	400	1100	1.7	4378	1751	3370	78



LWBE-310 Serise





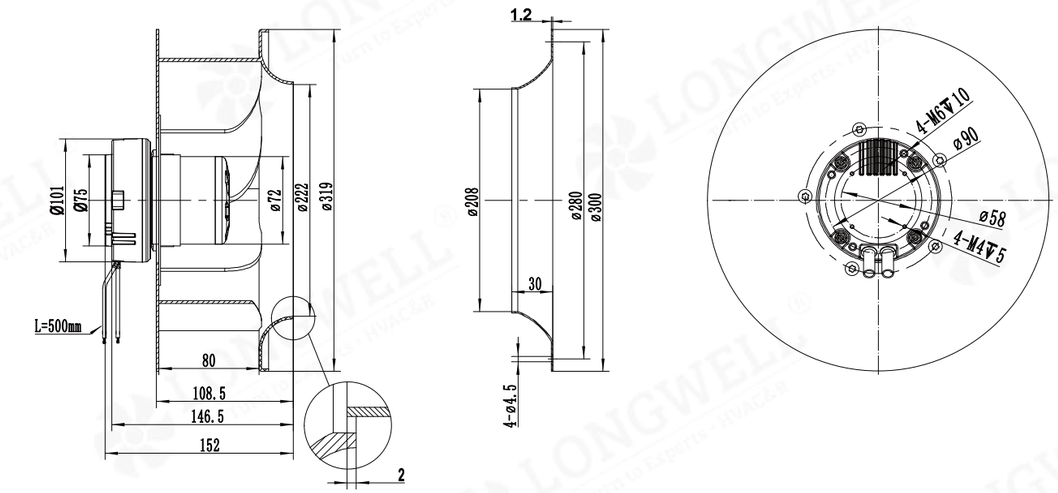
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

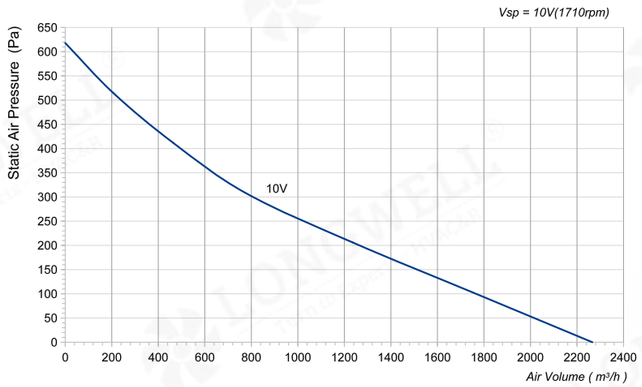
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-072NS-07	230	175	1.25	2266	700	1810	66
LWBE3G310-072NU-27	115	175	2.5	2266	700	1810	66



LWBE-310 Serise





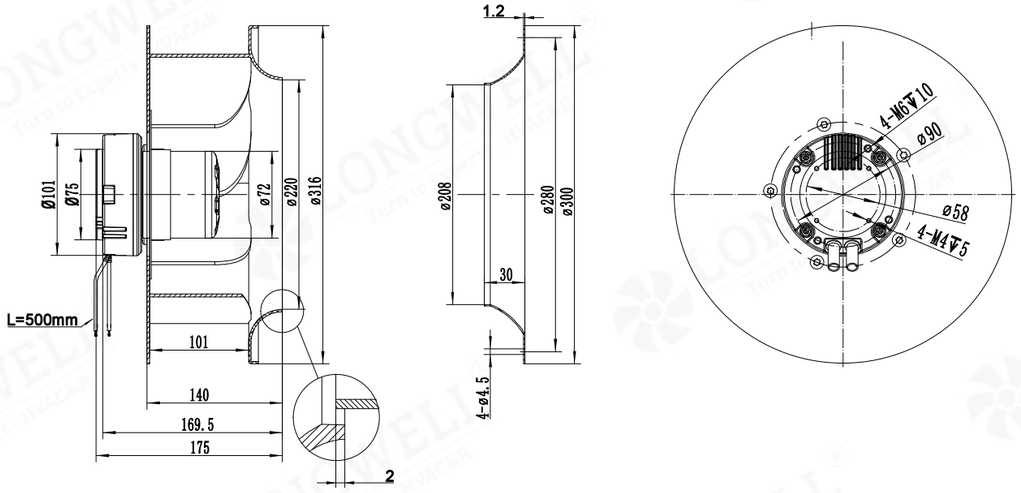
Product Characteristic

Impeller Material:	Aluminum Alloy	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM
Protection:	Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start		

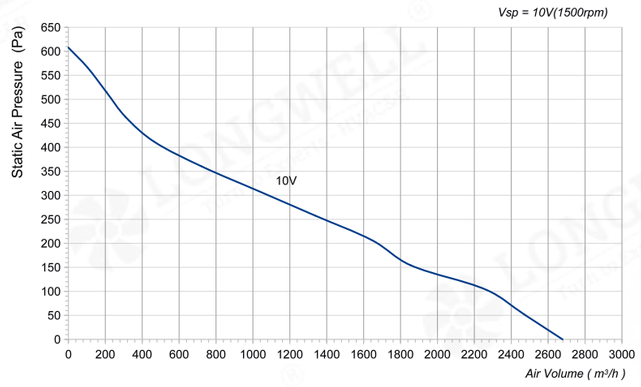
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-072NS-21	230	175	1.25	2266	618	1710	72



LWBE-310 Serise





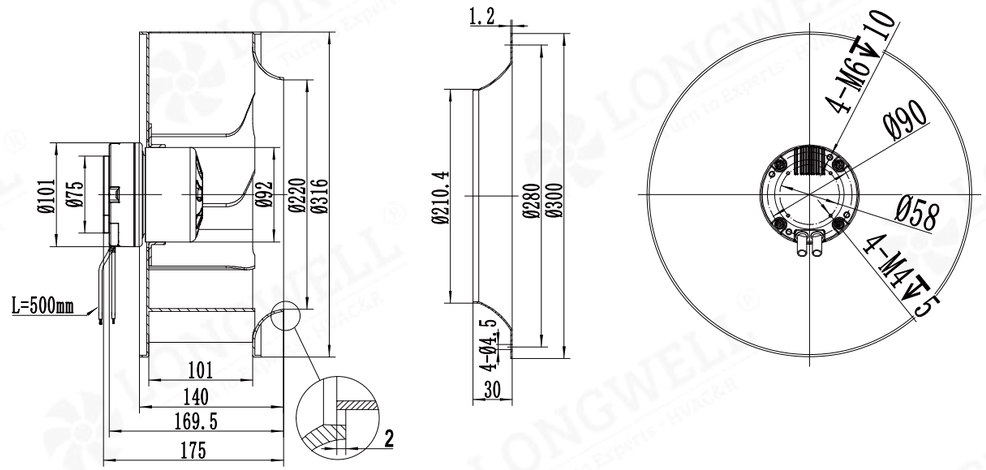
Product Characteristic

Impeller Material:	Aluminum Alloy	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM
Protection:	Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start		

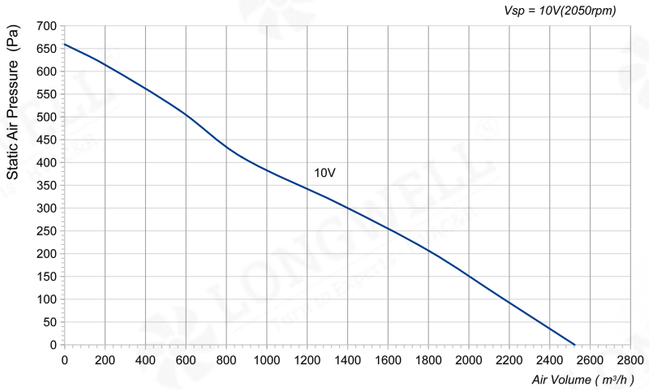
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-092NS-22	230	175	1.3	2678	608	1500	63
LWBE3G310-092NU-28	115	175	2.6	2678	608	1500	63



LWBE-310 Serise





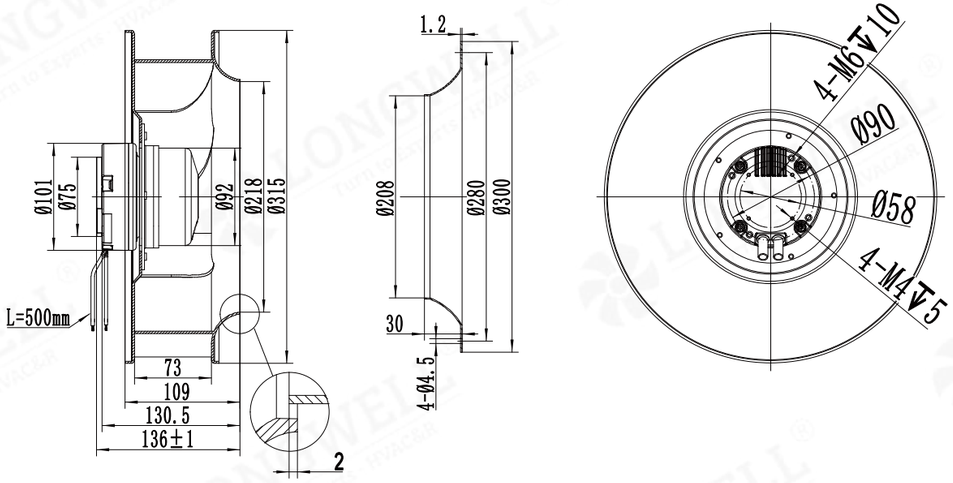
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

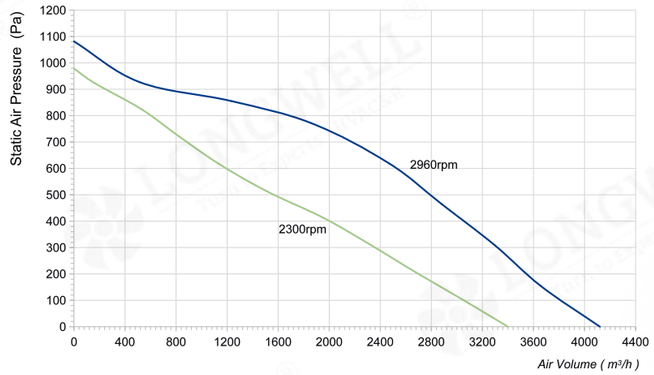
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-092NS-23	230	220	1.55	2524	670	2050	66
LWBE3G310-092NU-29	115	220	3.1	2524	670	2050	66



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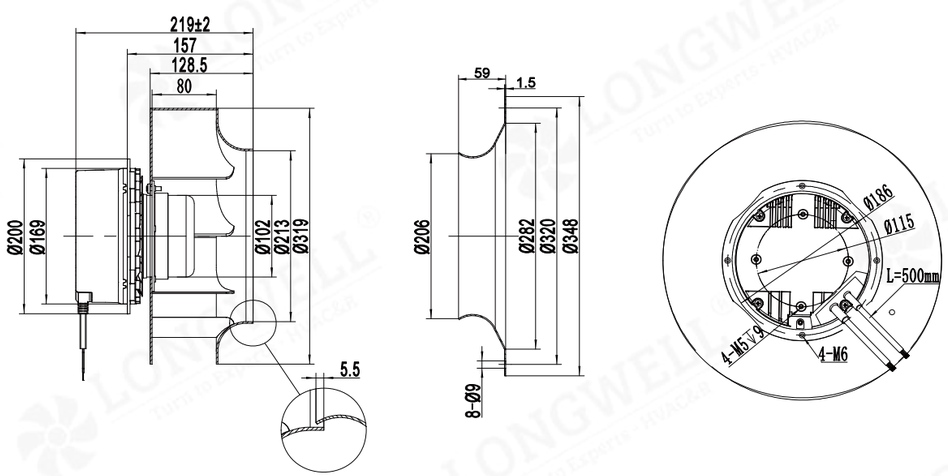
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

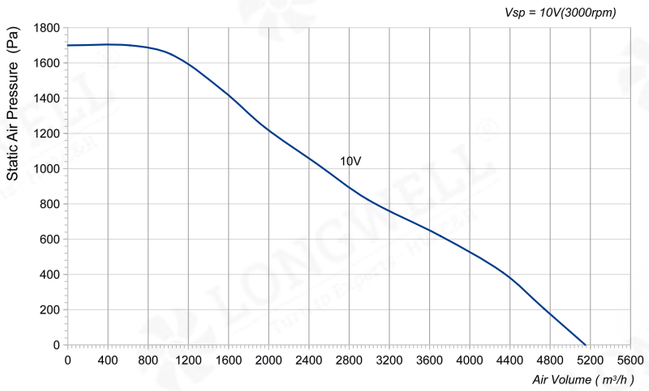
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-102NS-09	230	700	3.1	4120	1082	2960	85
LWBE3G310-102NU-30	115	400	3.6	3399	979	2300	70



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LWBE-310 Serise





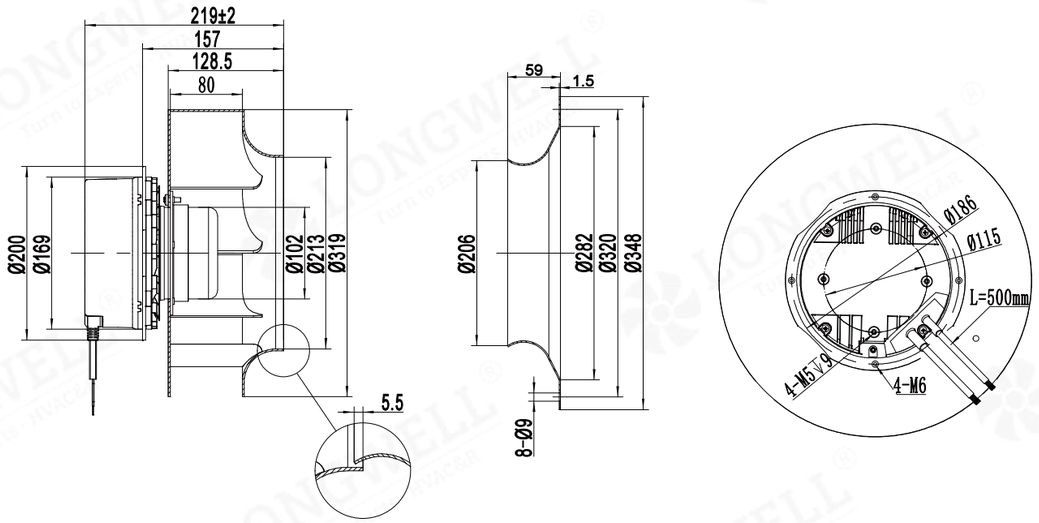
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 400V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

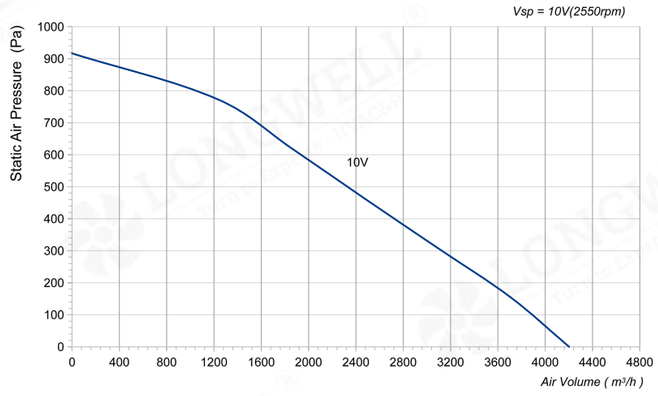
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G310-102NT-24	400	1100	1.2	5150	1730	3000	85



LWBE-355 Serise





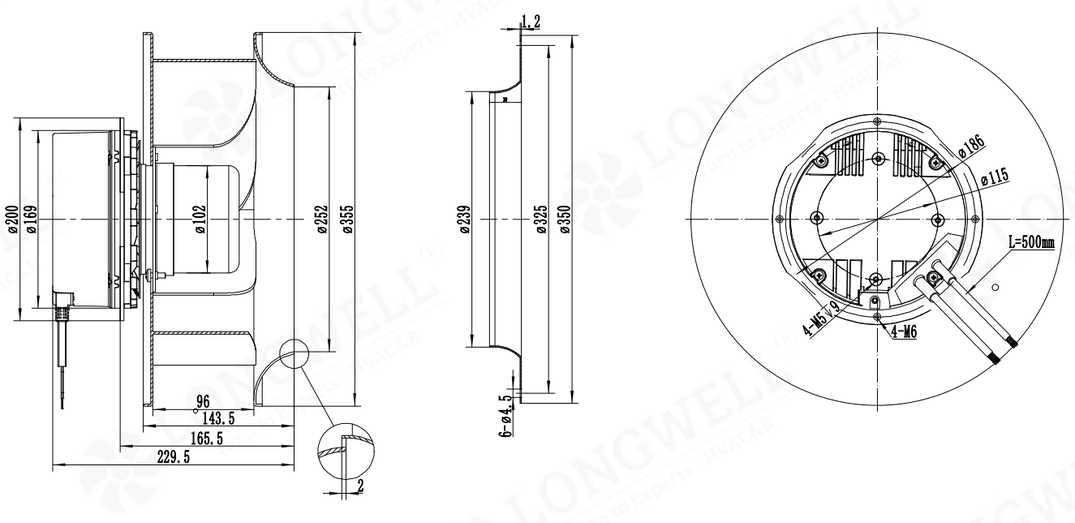
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

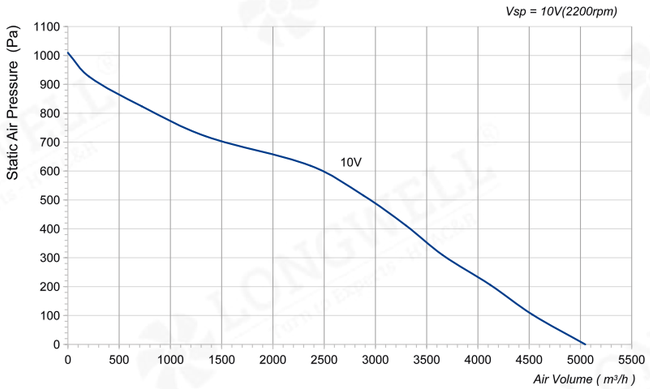
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G355-102NS-24	230	520	3.1	4172	906	2550	75



LWBE-355 Serise





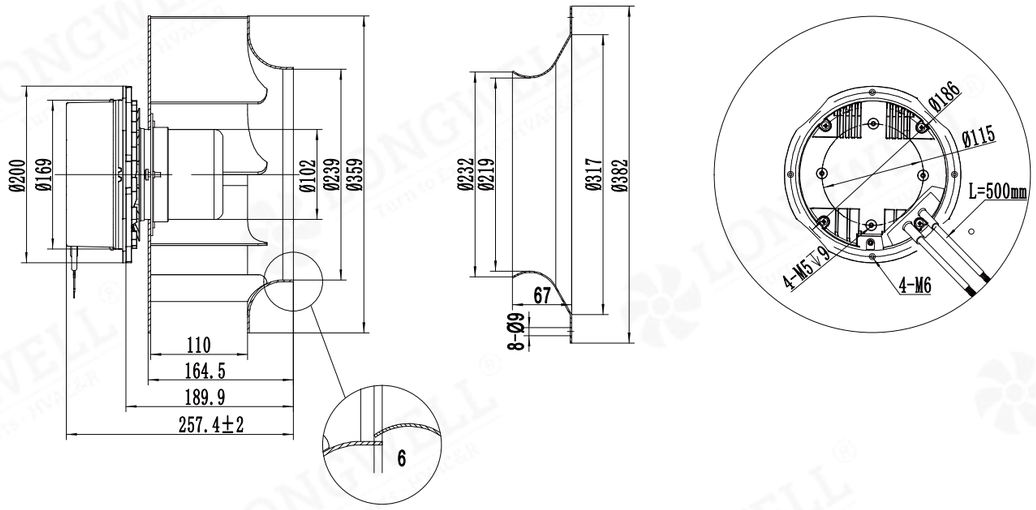
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

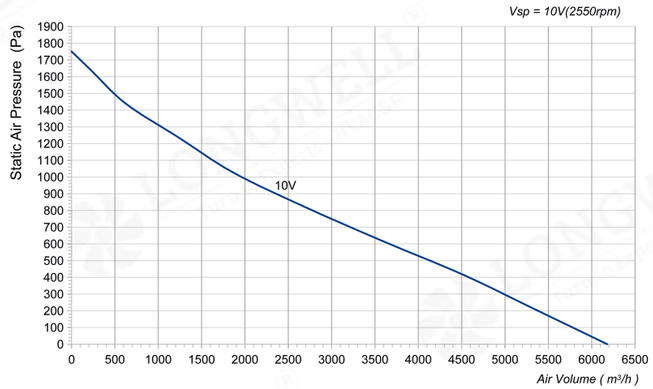
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G355-102NS-11	230	700	3.1	5047	1009	2200	85



LWBE-355 Serise





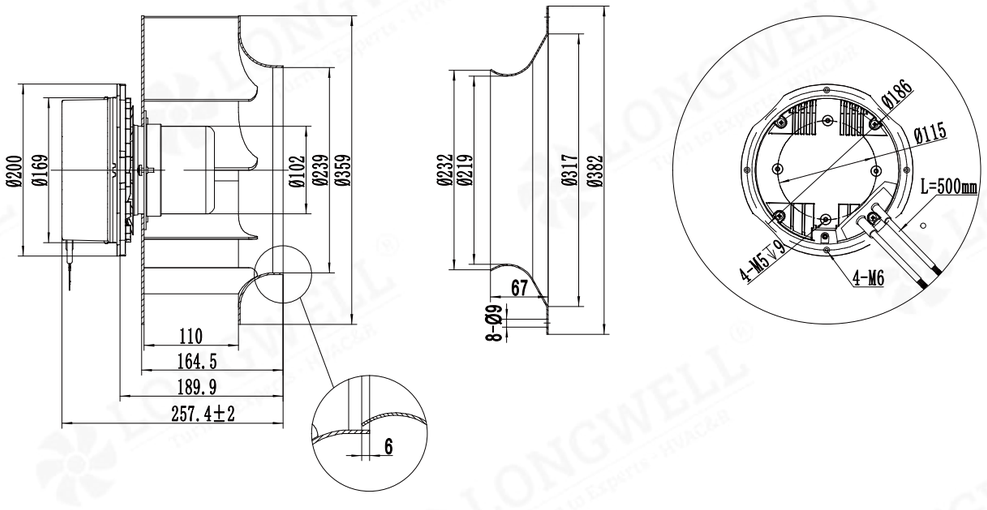
Product Characteristic

- Impeller Material: Aluminum Alloy
- Direction of Rotation: Clockwise,seen on rotor
- Protection Class: IP55
- Mounting Position: Horizontal or Vertical
- Bearing: Maintenance-free ball bearings
- Supply Voltage: 400V,50/60Hz
- Mode of Operation: S1
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

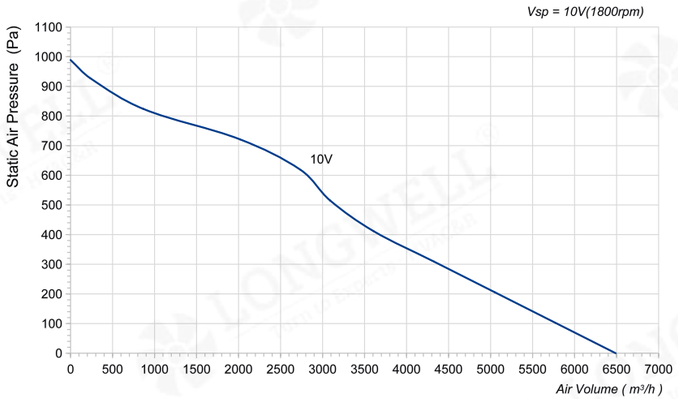
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G355-102NT-25	400	1100	1.76	6180	1751	2550	86



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LWBE-400 Serise





Product Characteristic

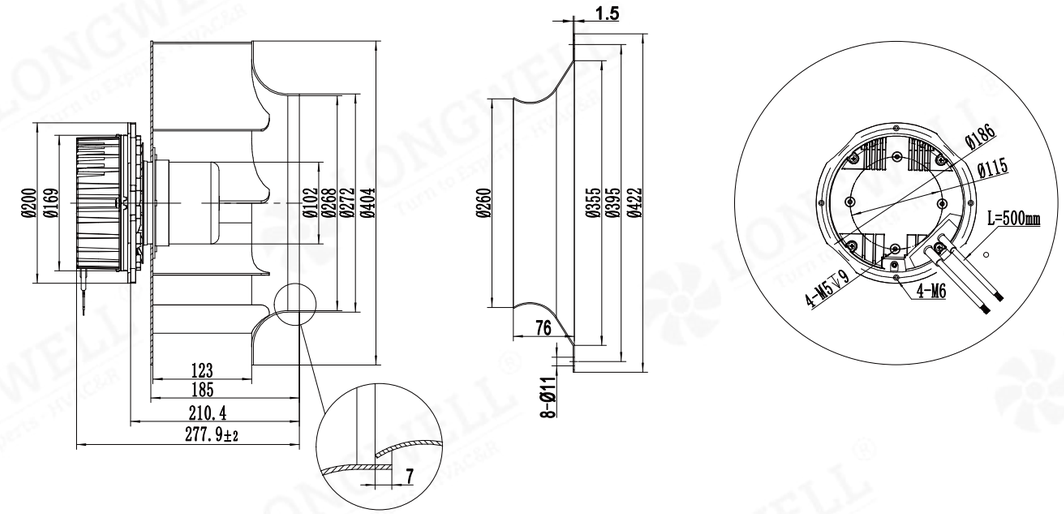
Impeller Material:	Aluminum Alloy	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

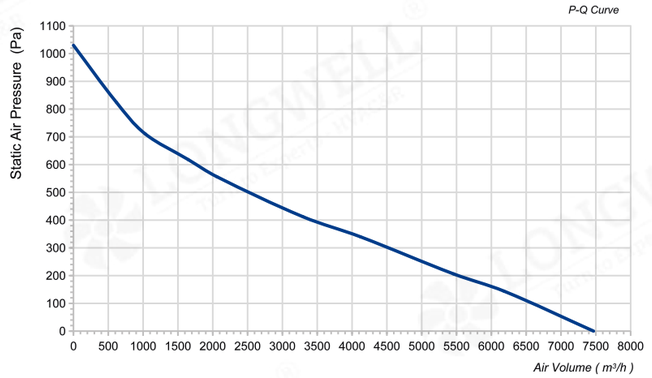
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G400-102NS-11	230	700	3.1	6489	979	1800	85



LWBE-450 Serise





Product Characteristic

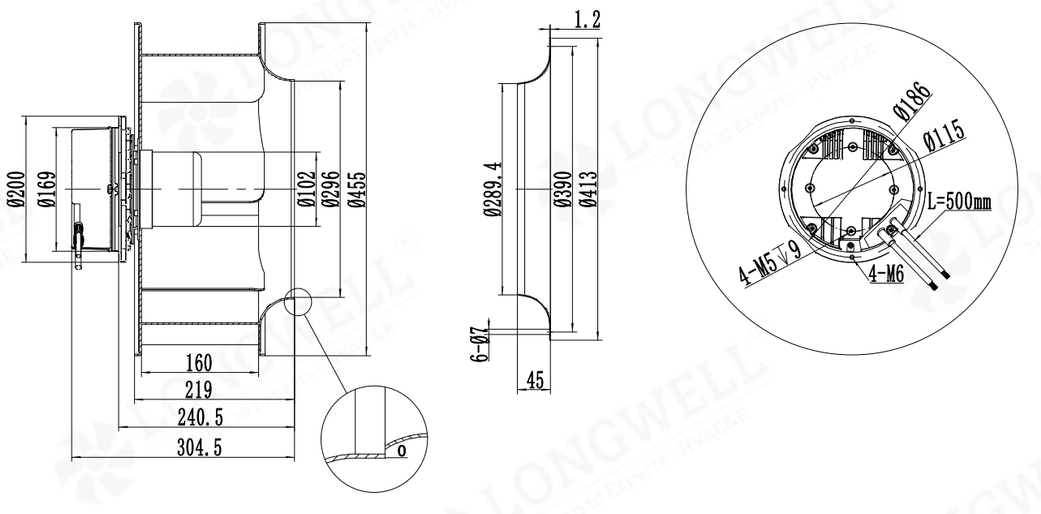
Impeller Material:	Aluminum Alloy	Supply Voltage:	230V,50/60Hz
Direction of Rotation:	Clockwise,seen on rotor	Mode of Operation:	S1
Protection Class:	IP55	Insulation Class:	F
Mounting Position:	Horizontal or Vertical	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings	Technical Features:	Control input 0-10VDC/PWM

- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS ETL BSCI ISO EAC UL LVD

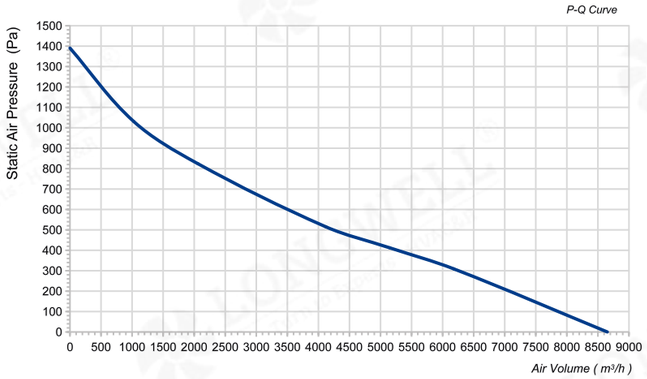
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G450-102NS-19	230	700	3.1	7468	1030	1450	70



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LWBE-450 Serise





Product Characteristic

- Impeller Material: Aluminum Alloy
- Supply Voltage: 400V,50/60Hz
- Direction of Rotation: Clockwise,seen on rotor
- Mode of Operation: S1
- Protection Class: IP55
- Insulation Class: F
- Mounting Position: Horizontal or Vertical
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Technical Features: Control input 0-10VDC/PWM
- Protection: Tach output,Locked-Rotor protection Reverse Polarity,Over-voltage protection,Soft Start

CE RoHS BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Static Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWBE3G450-102NT-20	380	1100	1.8	8652	1391	1500	85

