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 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

—— AC Circular Duct Fan

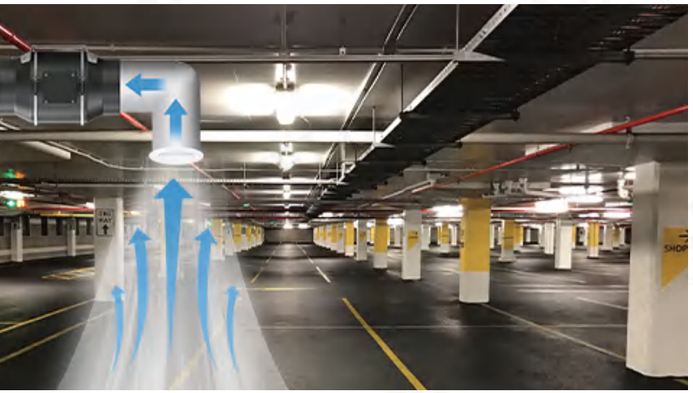
Longwell Group
Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe

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



CATALOGUE

01-02 About Longwell
03-04 Testing and Standards
05-06 Mainly Application
07 Type Code
08-24 AC Circular Duct Fan









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

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.

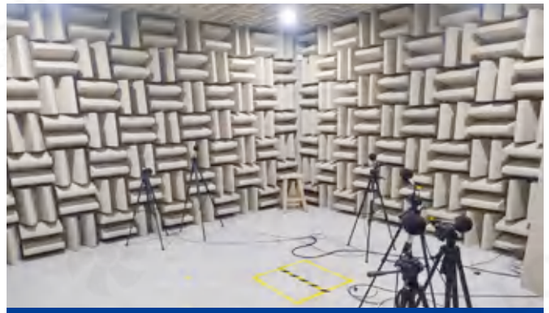
Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

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.

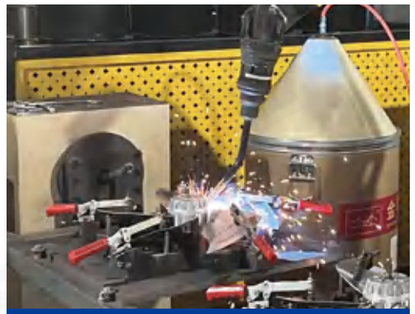
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials 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

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

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

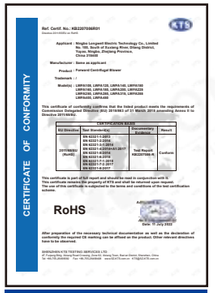

Own-Brand


Own-Brand


ETL


ETL

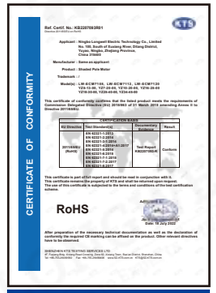

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL

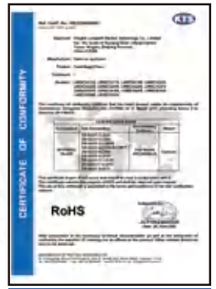

ETL

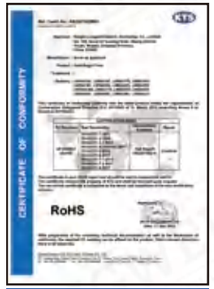

CE

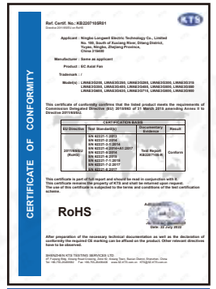

CE

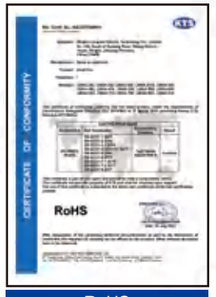

ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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

Mainly Application

Building ventilation system/Primary air system/
Bathroom ventilation/Kitchen ventilation/Air conditiong vent





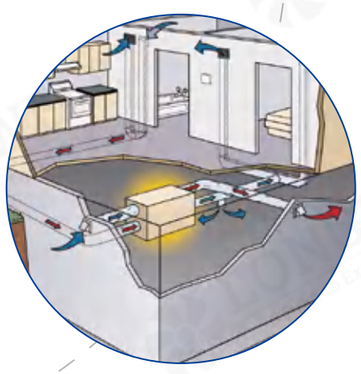
Kitchen Ventilation



Grow Tent



Bathroom
Ventilation



Primary
Air System



Air Conditiong Vent

Type Code

LW D A - 100 S - M B N - 14

- Series number
- Y-With Speed Controller
  N-Without Speed Controller
- B-With Connection Box
  W-Without connection Box
- P-Plastic M-Metal
- T-400V S-230V U-115V
  L-12V M-24V H-48V Z-310V
- Outlet diameter
- A-AC D-DC E-EC
- D-Duct fan
- Longwell

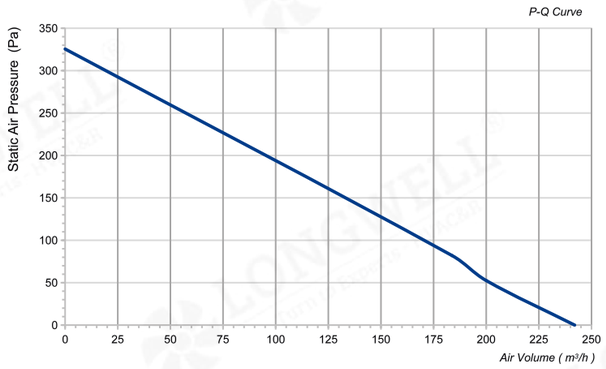
Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

AC Circular Duct Fan

Professional HVAC Fan &Motors Manufacturer



LWDA-100 Series





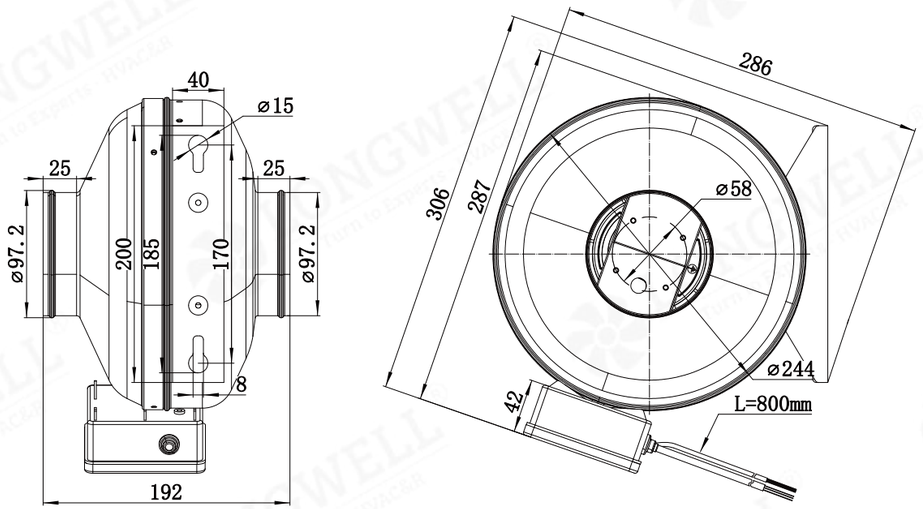
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50/60Hz
- Protection Class: IP32
- Operation Temperature: -25℃～+60℃

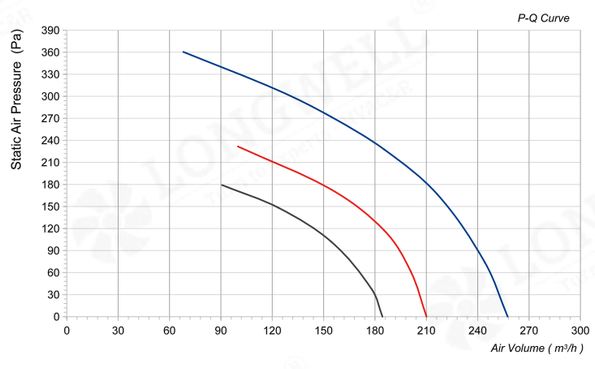
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-100S-MBN-14	230	50	60	242	326	2450	59



LWDA-100 Series





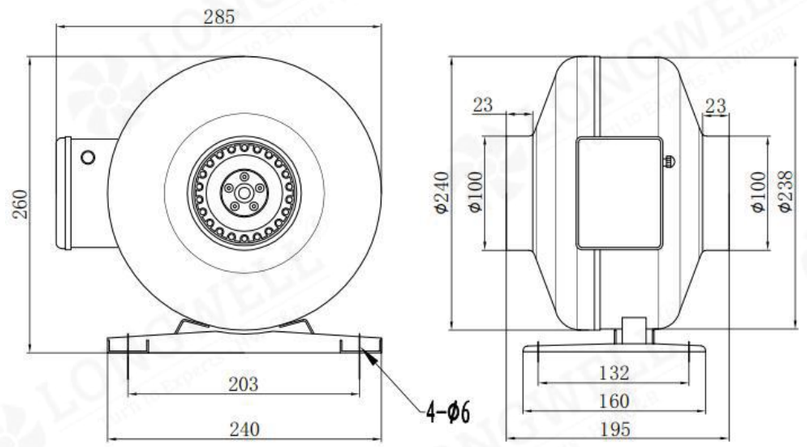
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50Hz
- Protection Class: IP44
- Operation Temperature: -25℃～+60℃

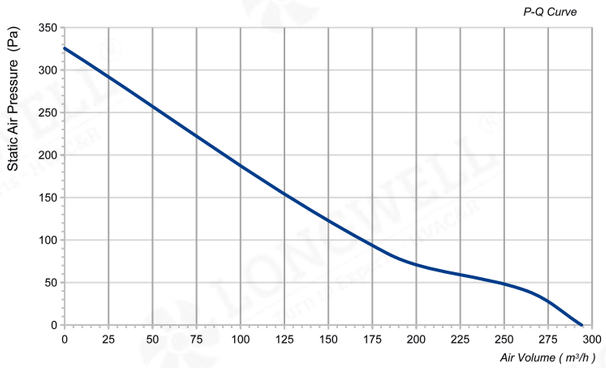
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-100S-MBN-15	230	50	75	258	361	2760	/
LWDA-100S-MBN-16	230	50	75/57/53	258/214/184	361/232/179	2500/2100/1800	30



LWDA-125 Series





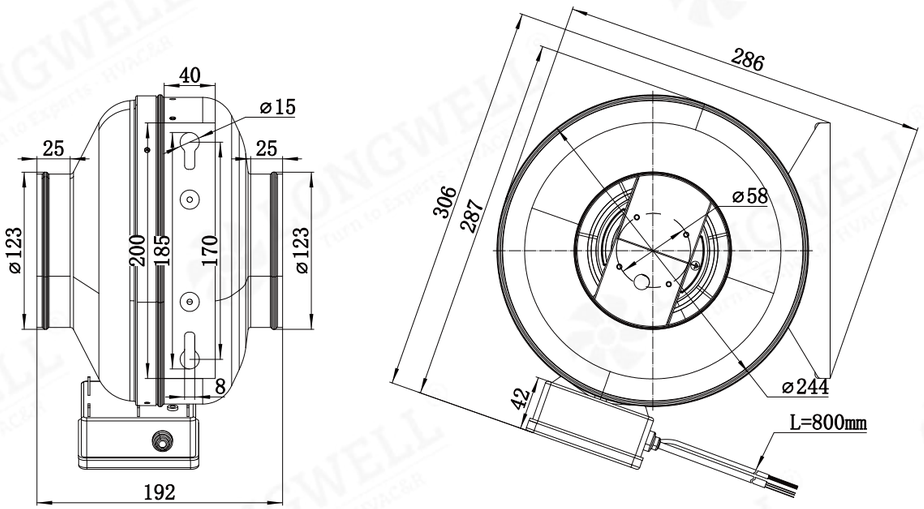
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50/60Hz
- Protection Class: IP32
- Operation Temperature: -25℃～+60℃

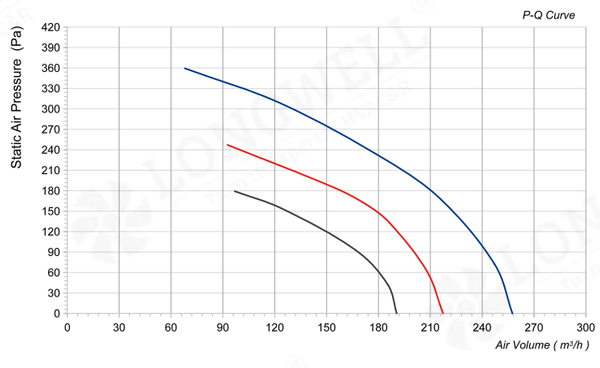
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-125S-MBN-10	230	50	52	294	326	2350	60



LWDA-125 Series





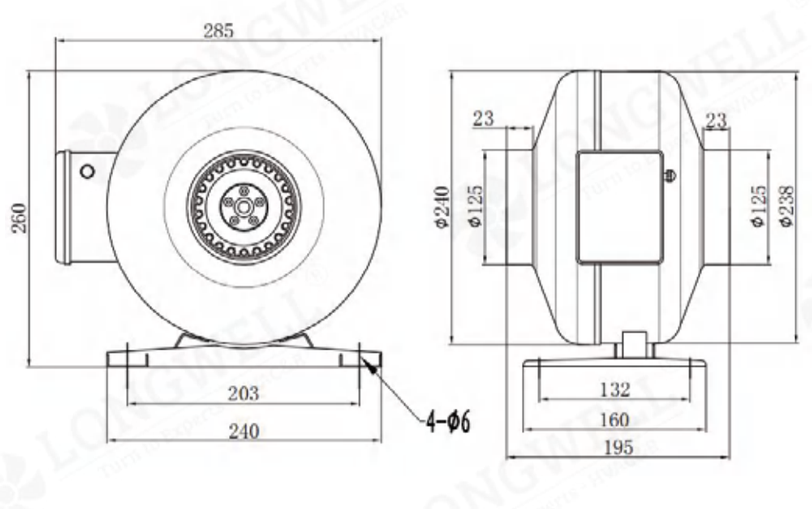
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50Hz
- Protection Class: IP44
- Operation Temperature: -25℃～+60℃

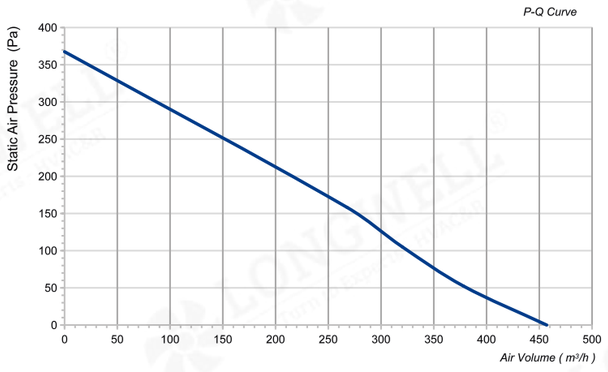
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-125S-MBN-11	230	50	85/61/56	258/217/191	359/247/179	2400/1900/1550	32



LWDA-150 Series





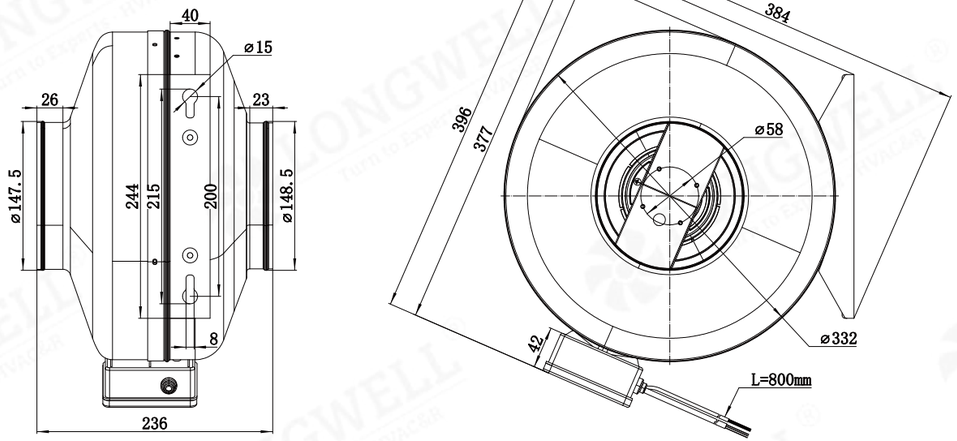
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50/60Hz
- Protection Class: IP32
- Operation Temperature: -25℃～+60℃

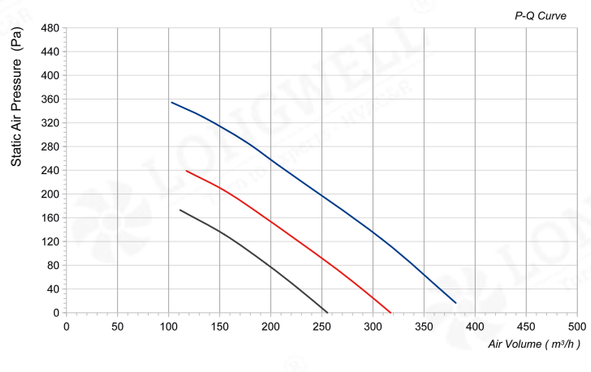
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-150S-MBN-12	230	50	72	457	368	2160	61



LWDA-150 Series





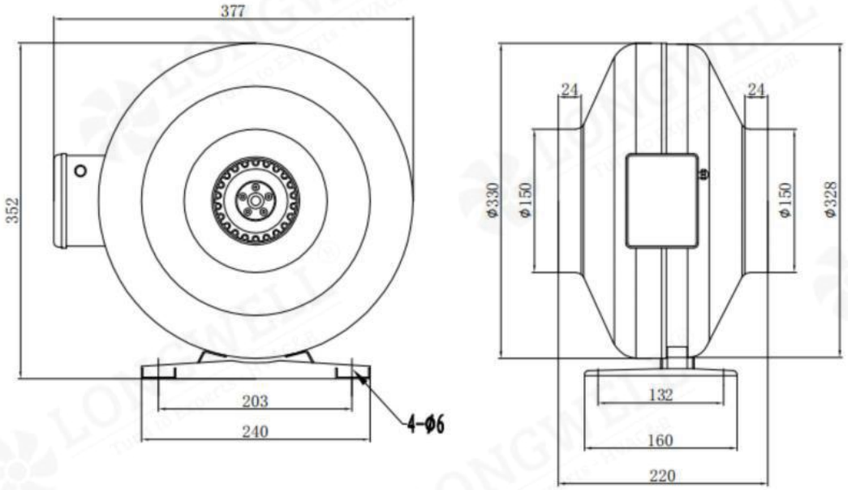
Product Characteristic

- Impeller Material: Plastic
- Mode of Operation: S1
- Insulation Class: F
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50Hz
- Protection Class: IP44
- Operation Temperature: -25℃～+60℃

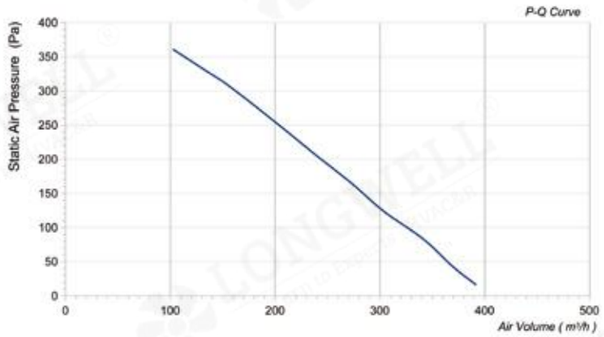
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-150S-MBN-13	230	50	120/87/81	381/317/255	354/239/173	2600/2250/1800	41



LWDA-150 Series





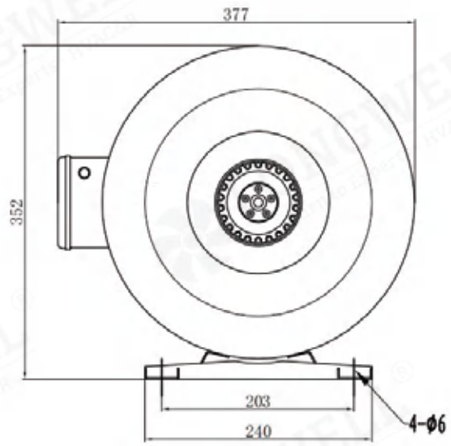
Product Characteristic

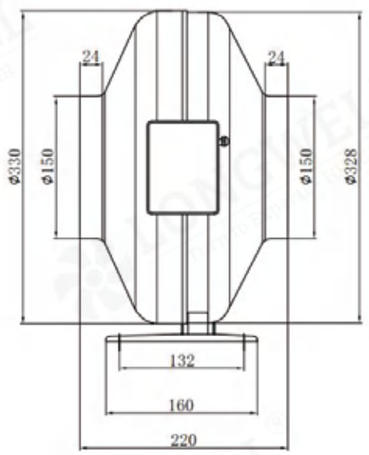
- Impeller Material: Plastic
- Supply Voltage: 110V,50Hz
- Mode of Operation: S1
- Protection Class: IP54
- Insulation Class: F
- Operation Temperature: -40℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

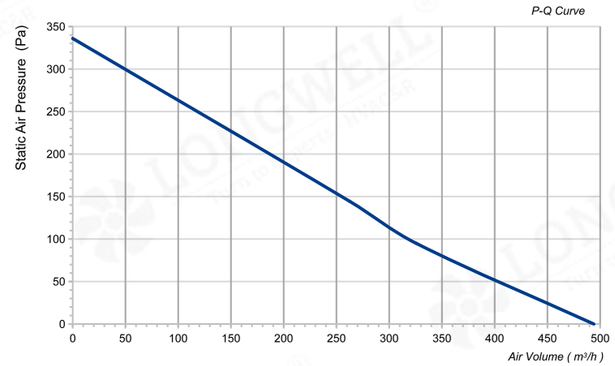
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-150U-MBN-14	110	50	140	390	360	2650	41





LWDA-160 Series





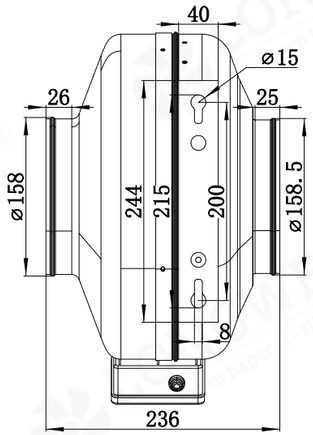
Product Characteristic

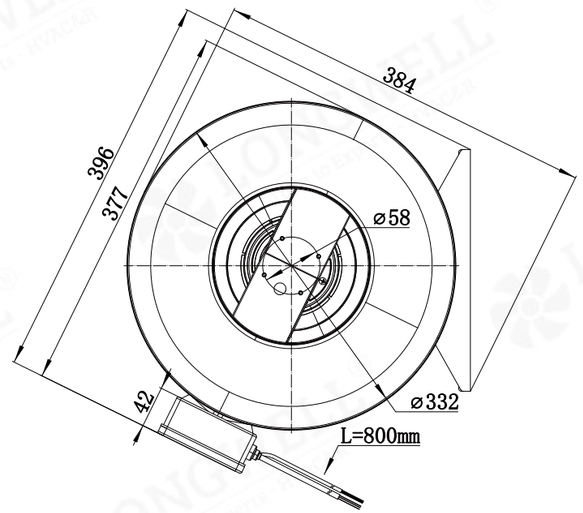
- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Protection Class: IP32
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

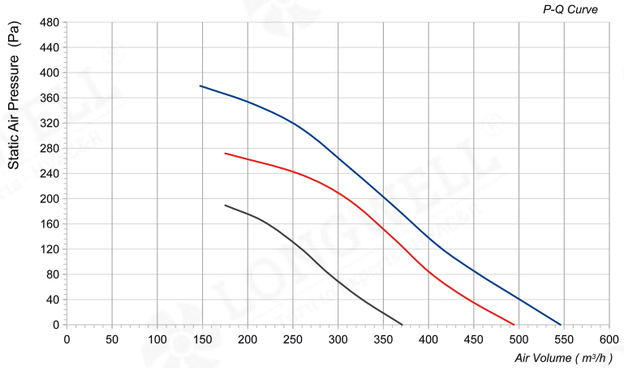
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-160S-MBN-04	230	50	72	494	336	2200	63





LWDA-160 Series





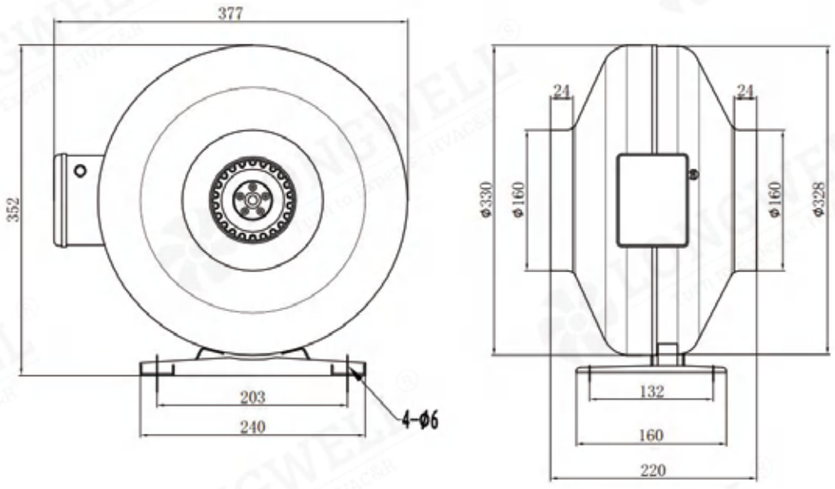
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 230V,50Hz
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

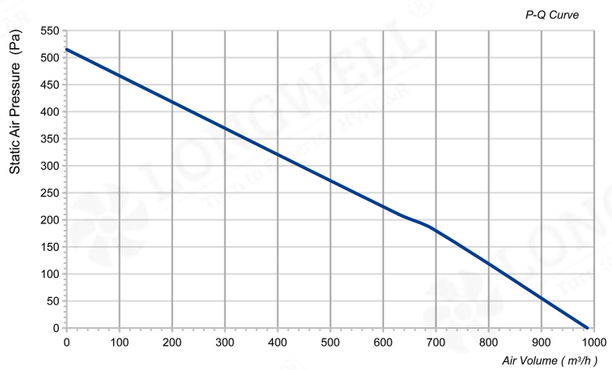
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-160S-MBN-06	230	50	125/95/93	546/494/371	379/272/190	2600/2250/1800	45



LWDA-200 Series





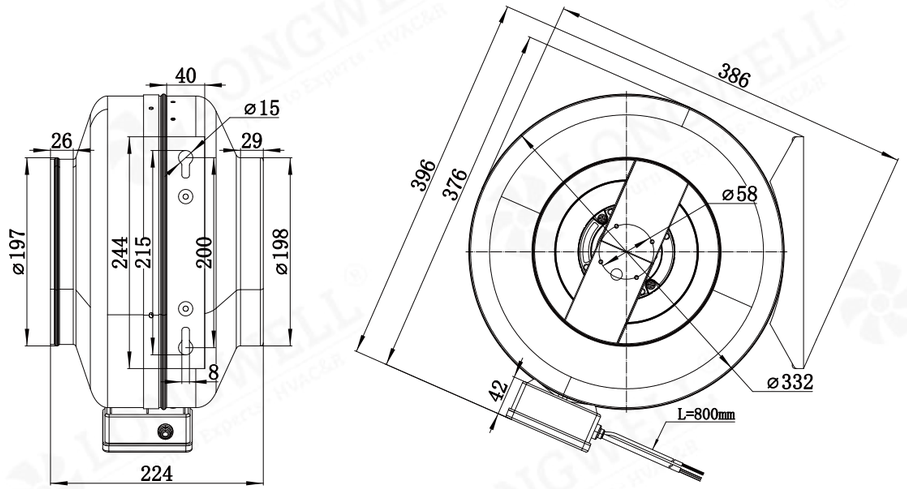
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Protection Class: IP32
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

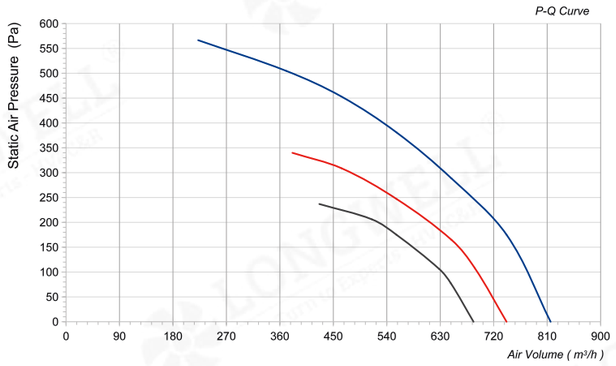
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-200S-MBN-13	230	50	176	987	515	2540	70



LWDA-200 Series





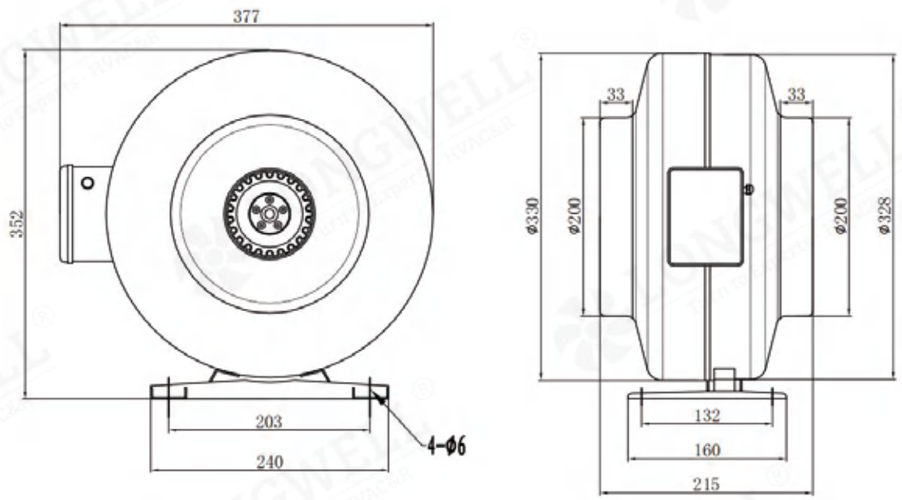
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 230V,50Hz
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

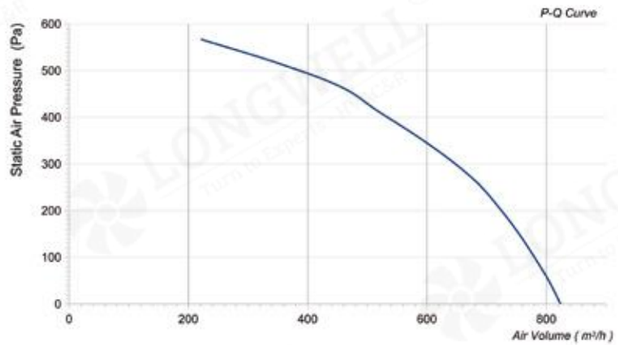
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-200S-MBN-14	230	50	183/148/145	816/742/686	567/340/237	2650/2290/1870	48



LWDA-200 Series





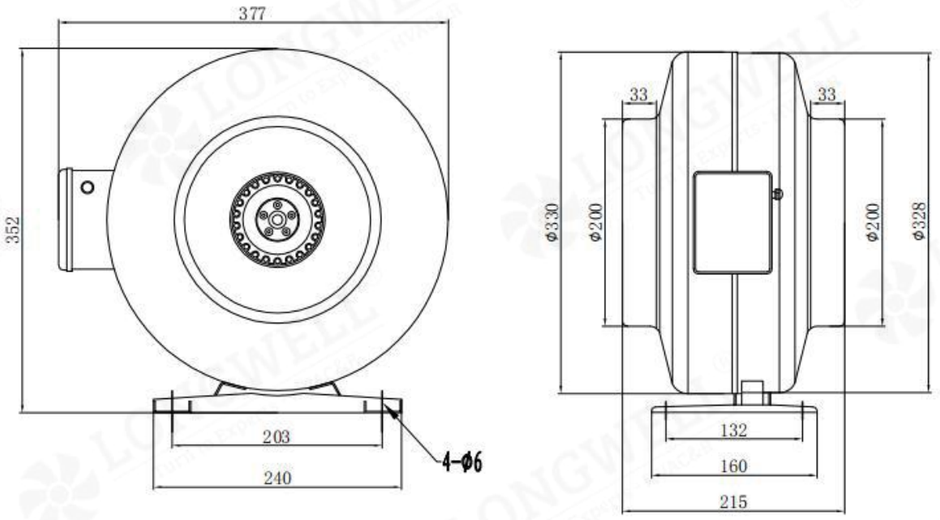
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 110V,50Hz
- Mode of Operation: S1
- Protection Class: IP54
- Insulation Class: F
- Operation Temperature: -40℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

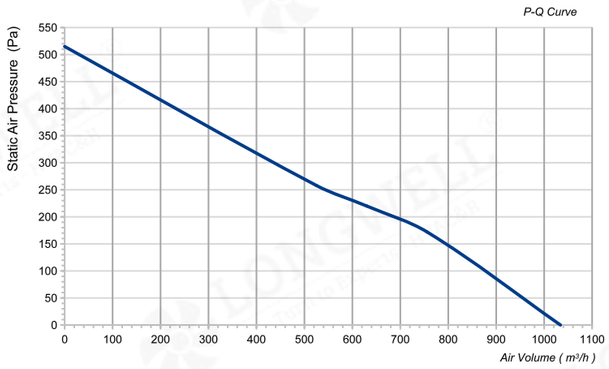
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-200U-MBN-15	110	50	180	824	570	2650	48



LWDA-250 Series





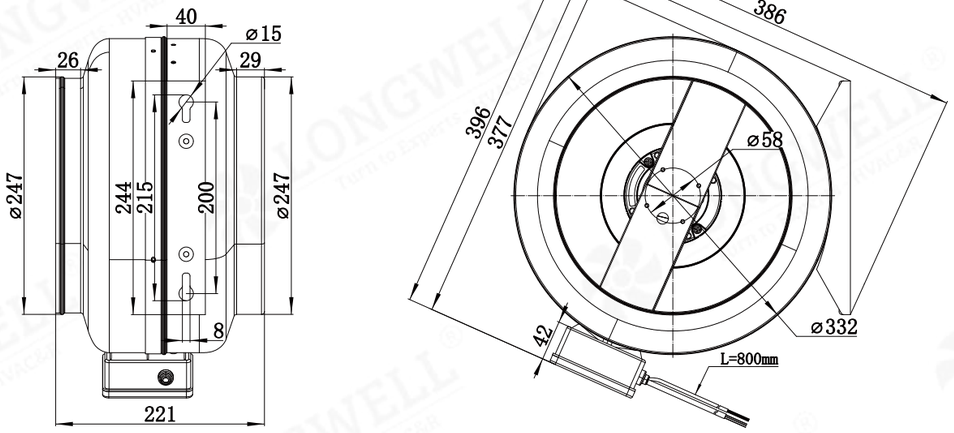
Product Characteristic

Impeller Material:	Plastic	Supply Voltage:	230V,50/60Hz
Mode of Operation:	S1	Protection Class:	IP32
Insulation Class:	F	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings		
Protection:	Blocked rotation, thermal protection, high and low pressure protection		

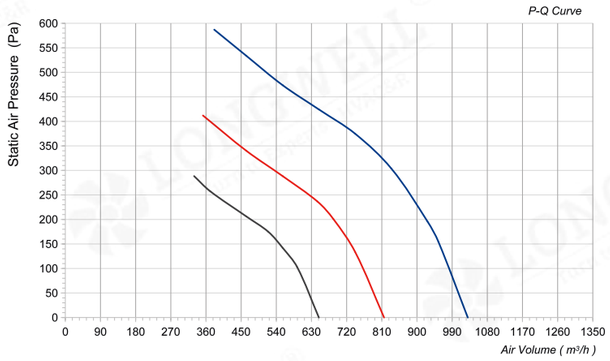
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-250S-MBN-10	230	50	165	1034	515	2615	71



LWDA-250 Series





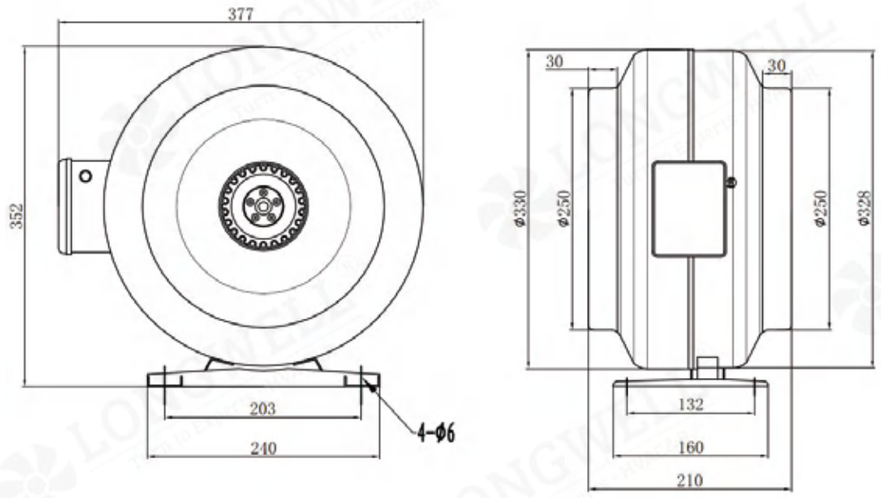
Product Characteristic

Impeller Material:	Plastic	Supply Voltage:	230V,50Hz
Mode of Operation:	S1	Protection Class:	IP44
Insulation Class:	F	Operation Temperature:	-25℃～+60℃
Bearing:	Maintenance-free ball bearings		
Protection:	Blocked rotation, thermal protection, high and low pressure protection		

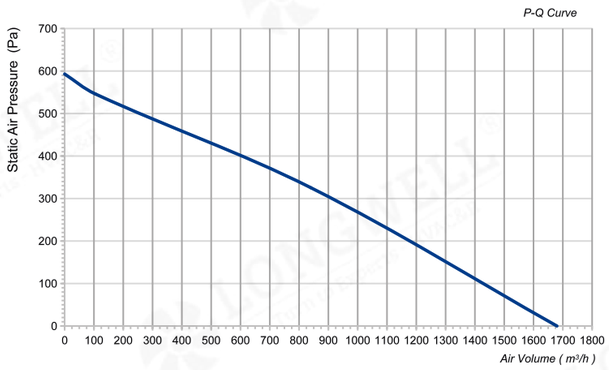
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-250S-MBN-11	230	50	190/155/150	1030/816/649	587/412/288	2600/2250/1800	51



LWDA-315 Series





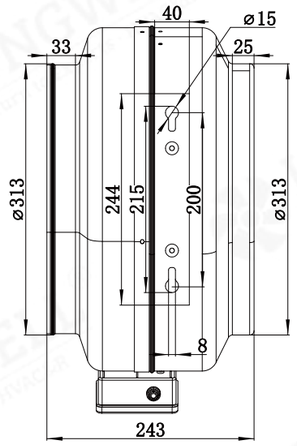
Product Characteristic

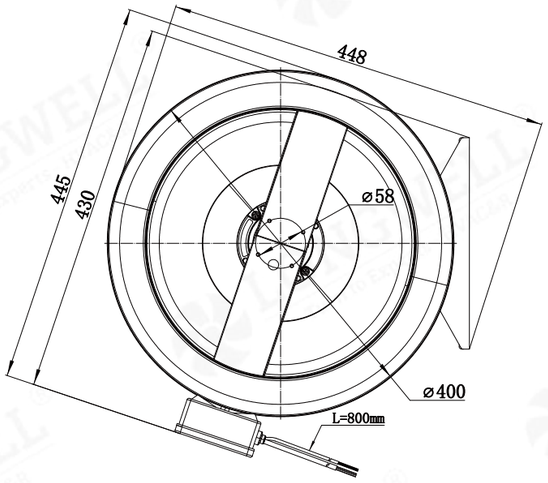
- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode of Operation: S1
- Protection Class: IP32
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS ETL BSCI ISO EAC UL LVD

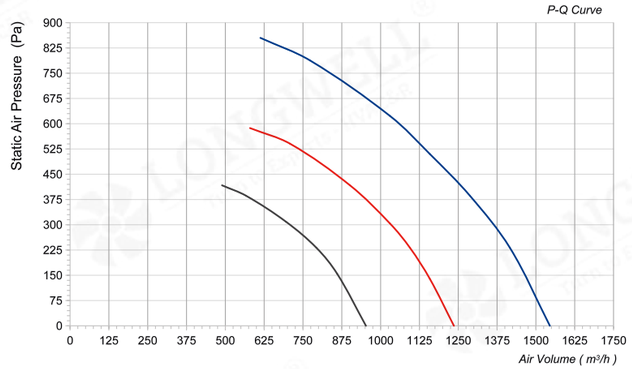
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-315S-MBN-02	230	50	220	1680	593	2520	80





LWDA-315 Series





Product Characteristic

- Impeller Material: Metal
- Supply Voltage: 230V,50Hz
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: F
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Air Flow (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDA-315S-MBN-03	230	50	230/195/190	1545/1236/953	855/587/417	2500/2200/1800	53

