Delivery Premium Quality Fans Globally for Healthier Breathing

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
Email: sales@longwellfans.com

CE RoHS ETL BSCI ISO EAC UL LVD

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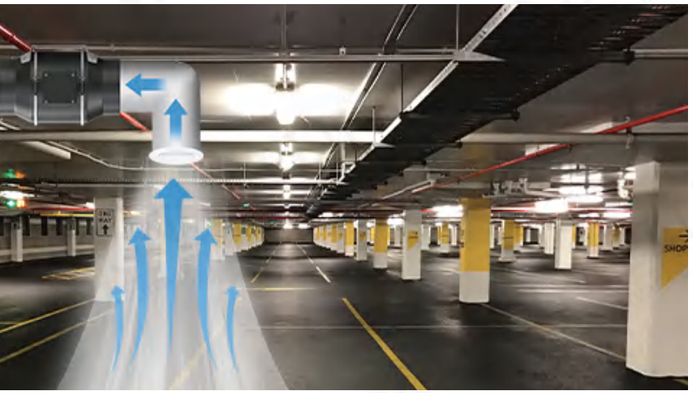
Professional HVAC Fan & Motors Manufacturer

—— Circular Duct Fan

Ningbo Longwell Electric Technology Co., Ltd

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CATALOGUE

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07 Type Code
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About Longwell

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

OEM for Well-Known Brands | Supplies Fortune 500 Companies | Global Technical Support

LONGWELL is a leading fan manufacturer, specializing in high-quality fans, blowers, motors, and components for heating, ventilation, air conditioning, and refrigeration applications. We have a strong presence in delivery capabilities, design and R&D capabilities, as well as manufacturing, placing us at the forefront of the industry.

Our product range includes EC/DC/AC centrifugal fans, axial fans, AC/BLDC cross-flow fans, single/double forward curved fans, AC/BLDC/ECM motors, and industrial fan blowers. Since our establishment in 1990, we have continuously upgraded our facilities and production capacity, boasting advanced testing labs and production facilities with an annual capacity of millions of fans. With over 20 years of experience, we are highly skilled in the design, development, and manufacture of fans and motors. We export to over 30 countries and serve numerous Fortune 500 clients.

Our facilities and products are compliant with certifications such as ISO9001, ISO14001, BSCI, CE, UL/ETL, CCC, EMC, and LVD. These certifications demonstrate our compliance in quality management, environmental management, social responsibility, and product safety. We are quality-oriented and dedicated to providing products and services that meet international standards.

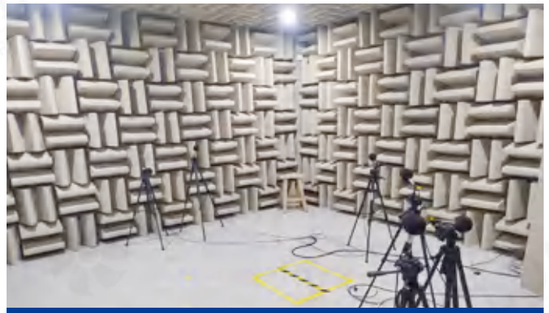
Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

As industry leaders, we prioritize technological innovation and efficiency. We employ advanced technologies such as aerodynamics principles and CFD simulation to ensure precise and efficient fan designs. Additionally, we offer customized services to design and manufacture fan systems according to specific customer requirements. Our focus is on providing high-tech, high-efficiency products that meet our customers' needs and contribute to a better future.

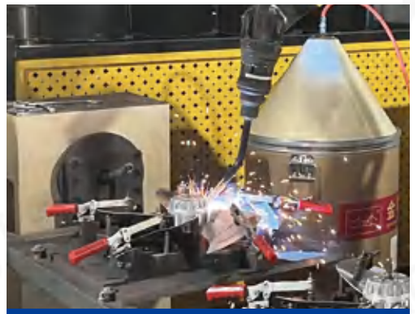
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials to deliver products that are efficient, safe, and reliable. Our brand is widely recognized globally, and we are committed to promoting sustainable development and advancing the efficient fan industry.

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

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

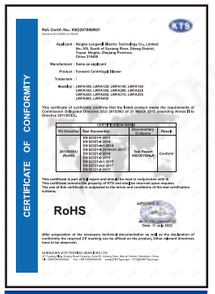

Own-Brand


Own-Brand


ETL


ETL

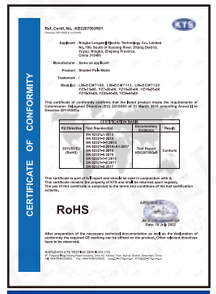

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL

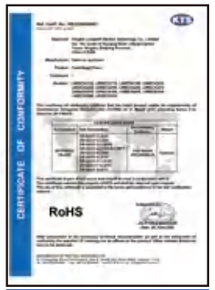

ETL


CE

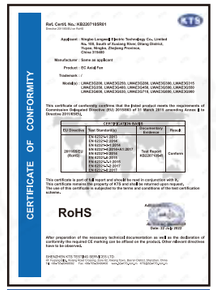

CE

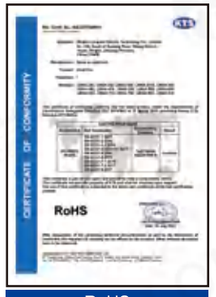

ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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Mainly Application

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

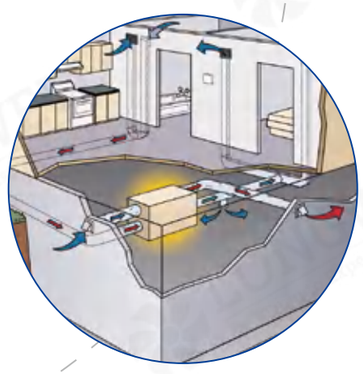




Grow Tent



Bathroom
Ventilation



Primary
Air System



Kitchen Ventilation



Air Conditiong Vent

Type Code

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

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

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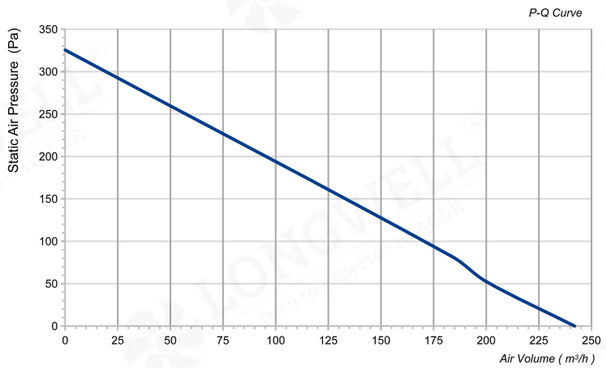
AC Circular Duct Fan

Professional HVAC Fan &Motors Manufacturer



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LWDA-100 Series





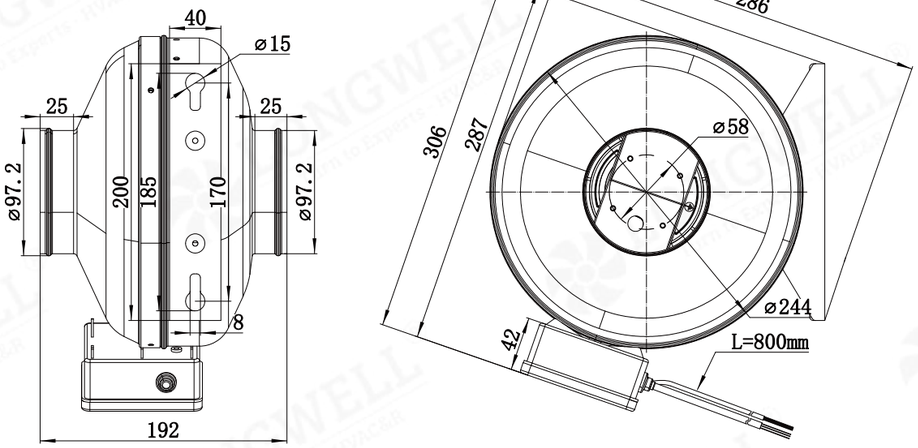
Product Characteristic

- 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

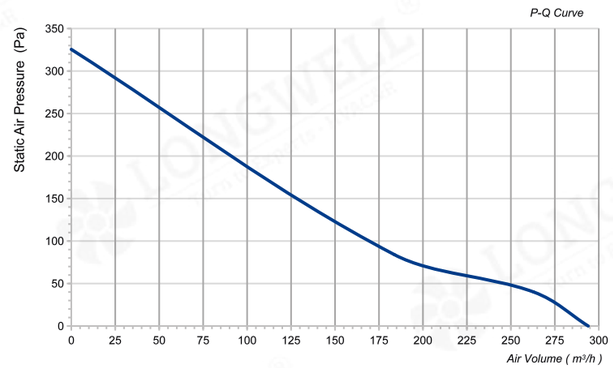
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

Technical Specifications

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



LWDA-125 Series





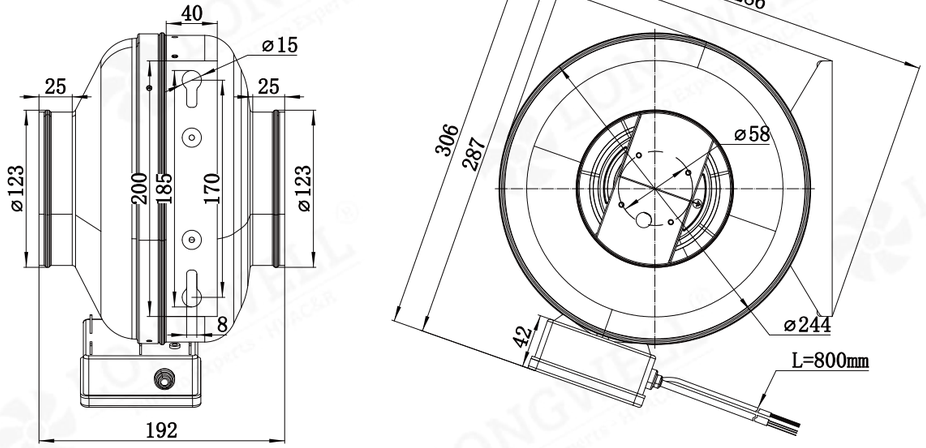
Product Characteristic

- 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

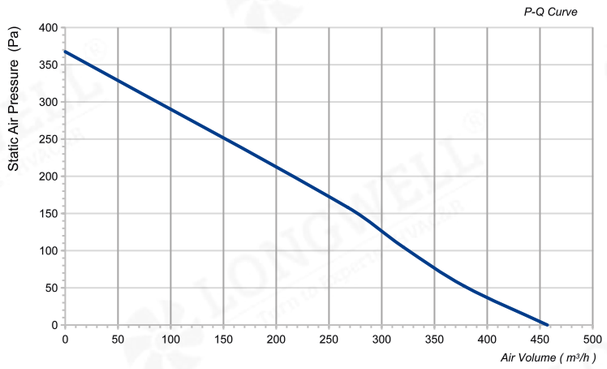
Technical Specifications

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



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LWDA-150 Series





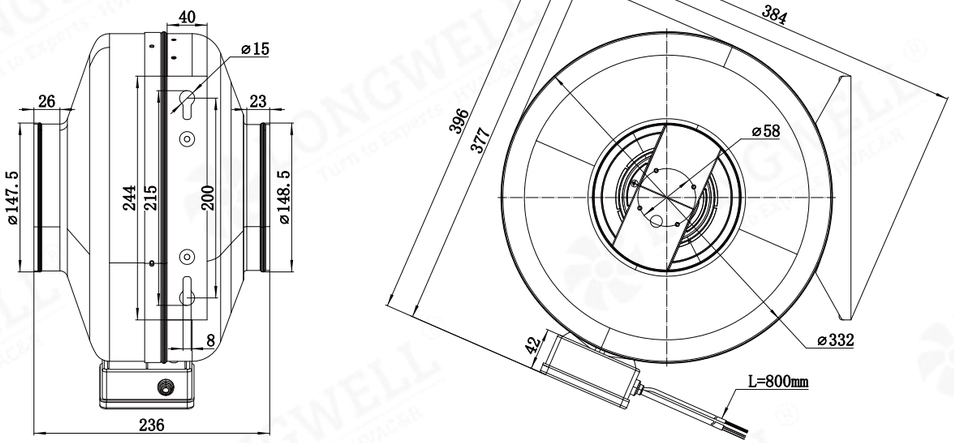
Product Characteristic

- 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

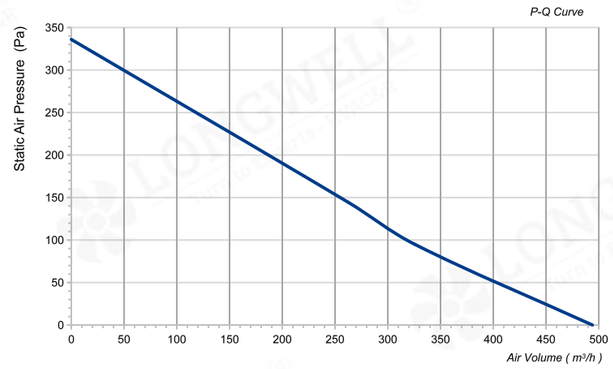
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

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



LWDA-160 Series





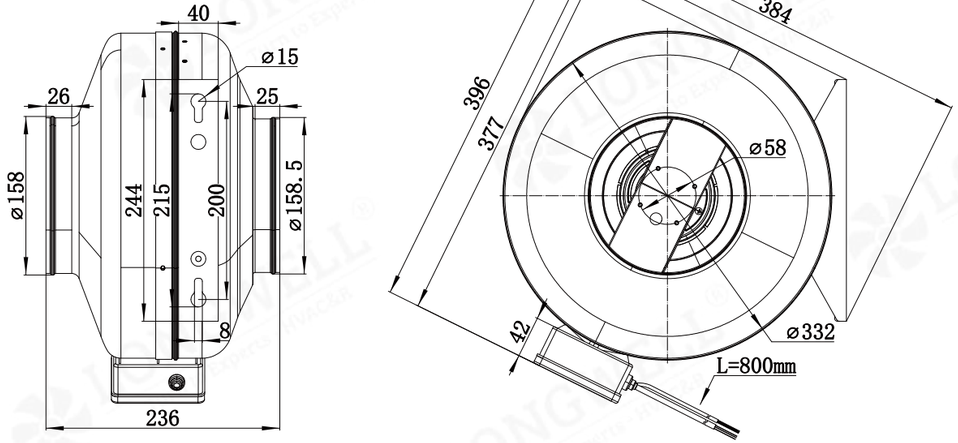
Product Characteristic

- 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 ETL BSCI ISO EAC UL LVD

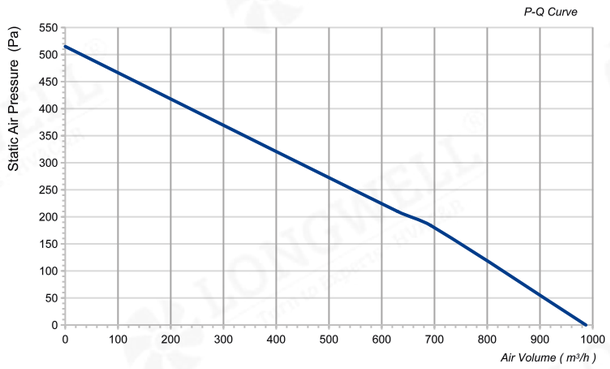
Technical Specifications

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



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LWDA-200 Series





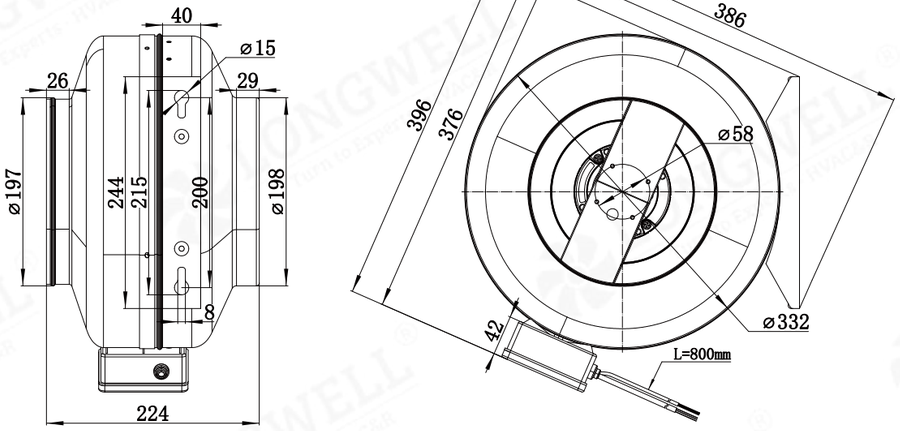
Product Characteristic

- 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

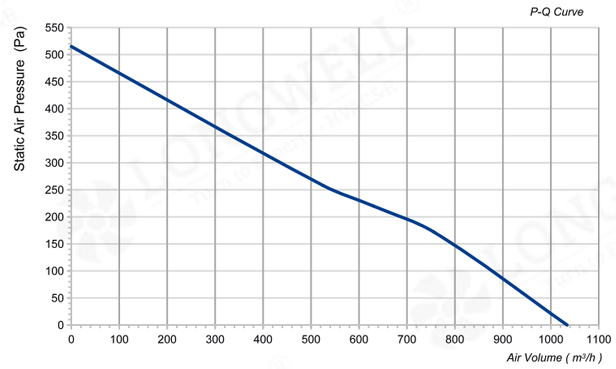
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

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-250 Series





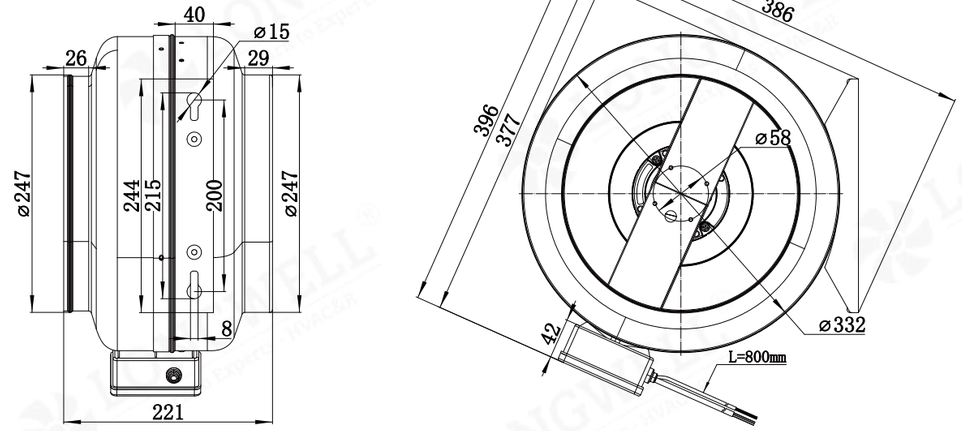
Product Characteristic

- 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 compliant ETL Intertek BSCI ISO EAC UL LVD

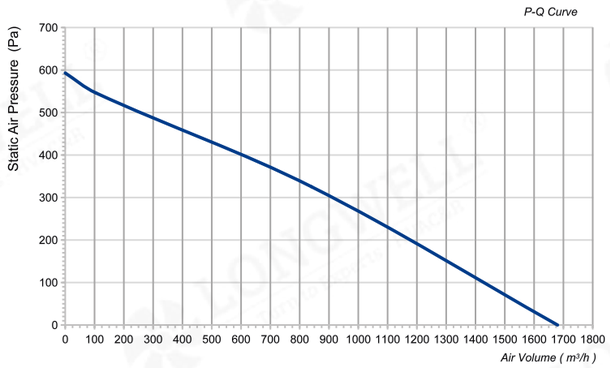
Technical Specifications

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



LONGWELL®
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LWDA-315 Series



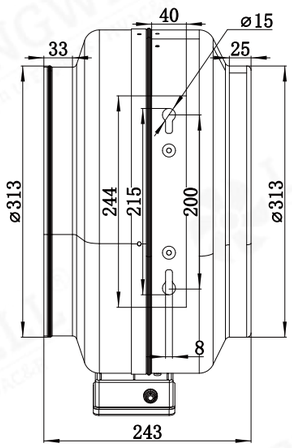


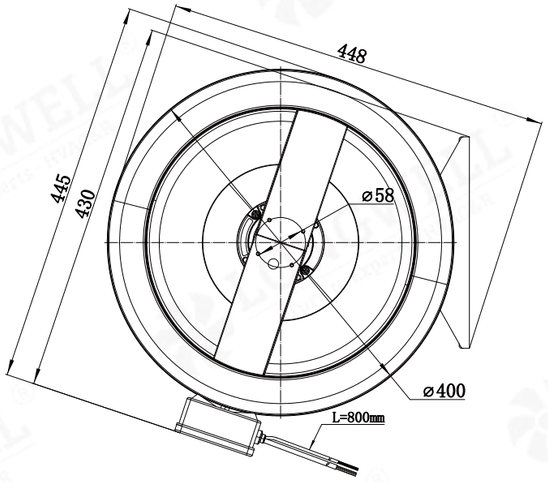
Product Characteristic

- Impeller Material: Metal
- 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℃

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





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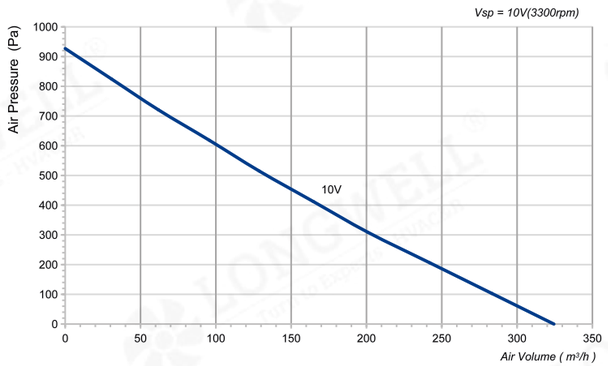
EC Circular Duct Fan

Professional HVAC Fan &Motors Manufacturer



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LWDE-100 Series





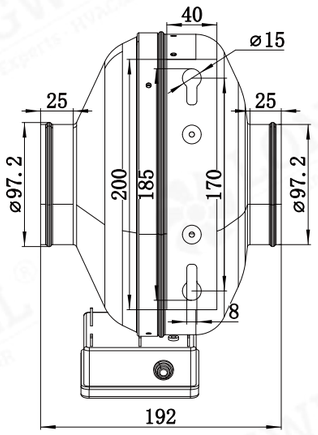
Product Characteristic

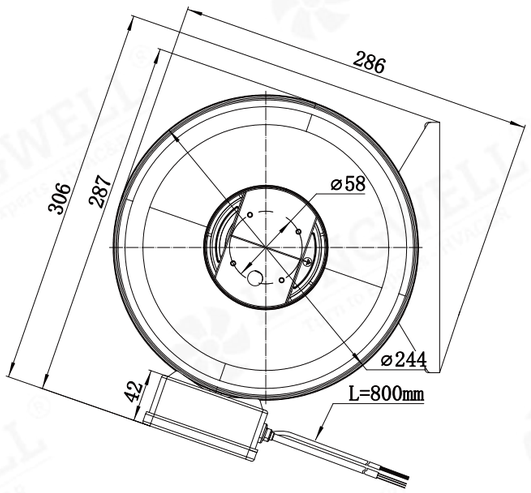
- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode Of Operation: S1
- Protection Class: IP54
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Direction of Rotation: Clockwise,seen on rotor
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

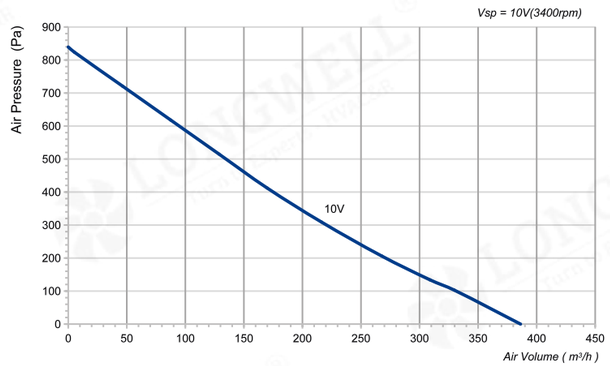
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-100S-MBN-10	230	85	0.65	324	927	3300	72





LWDE-125 Series





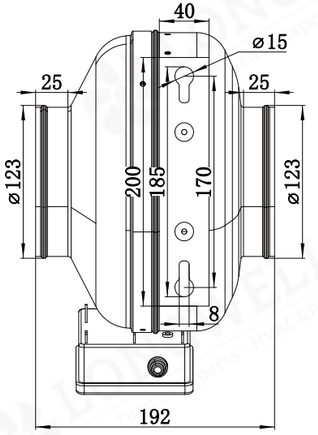
Product Characteristic

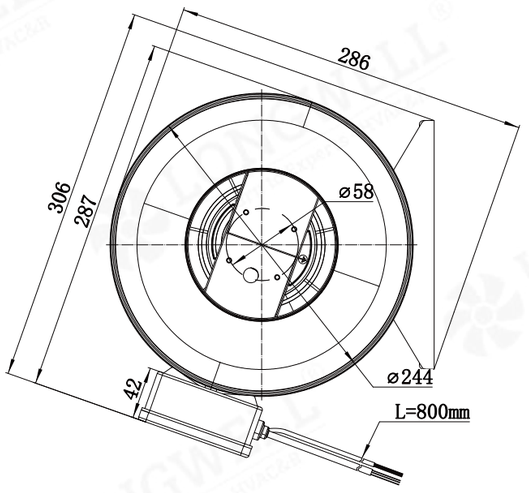
- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode Of Operation: S1
- Protection Class: IP54
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Direction of Rotation: Clockwise,seen on rotor
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

Technical Specifications

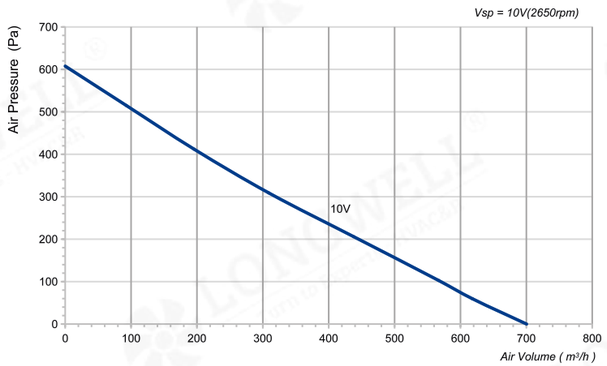
Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-125S-MBN-06	230	85	0.65	386	839	3400	69





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LWDE-150 Series





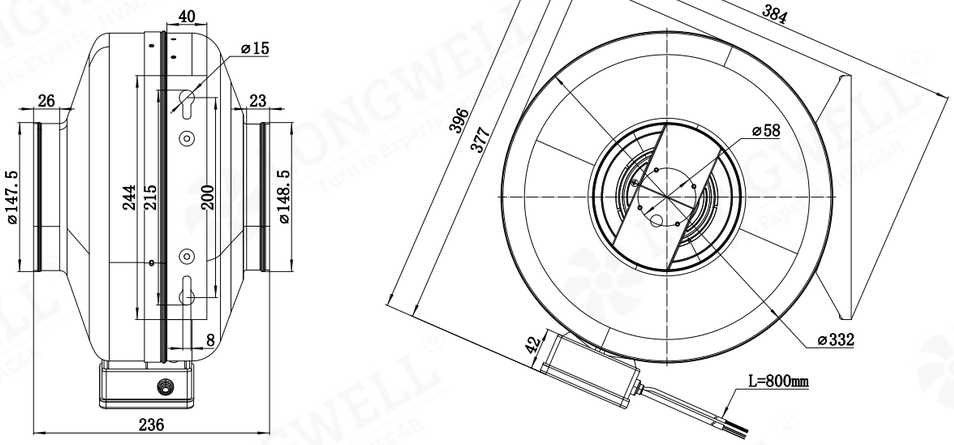
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode Of Operation: S1
- Protection Class: IP54
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Direction of Rotation: Clockwise,seen on rotor
- Protection: Blocked rotation, thermal protection, high and low pressure protection

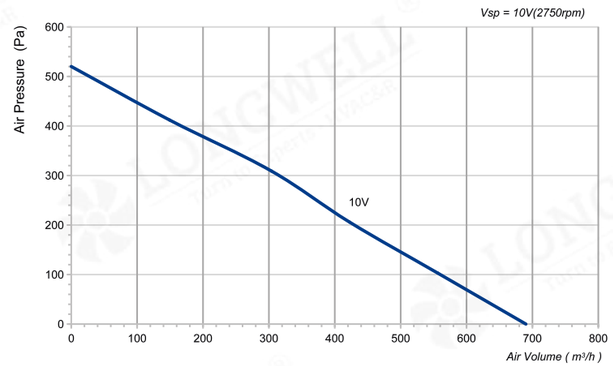
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-150S-MBN-11	230	85	0.65	700	608	2650	66



LWDE-160 Series





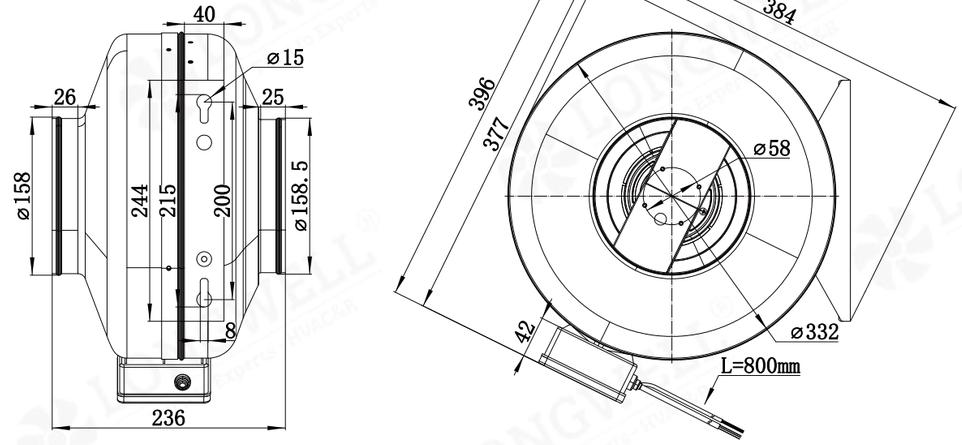
Product Characteristic

- Impeller Material: Plastic
- Supply Voltage: 230V,50/60Hz
- Mode Of Operation: S1
- Protection Class: IP54
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Direction of Rotation: Clockwise,seen on rotor
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS ETL BSCI ISO EAC UL LVD

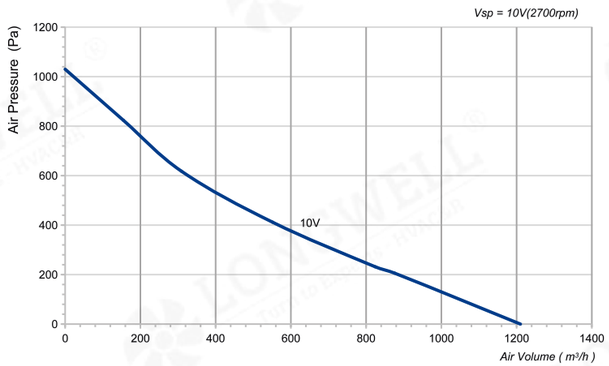
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-160S-MBN-01	230	85	0.65	690	520	2750	68



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LWDE-200 Series





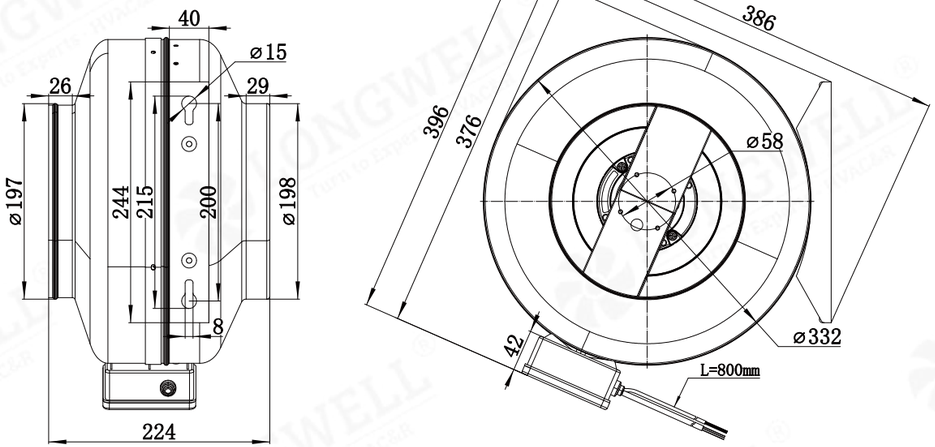
Product Characteristic

- Impeller Material: Plastic
- Mode Of Operation: S1
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50/60Hz
- Protection Class: IP54
- Operation Temperature: -25℃～+60℃
- Direction of Rotation: Clockwise,seen on rotor

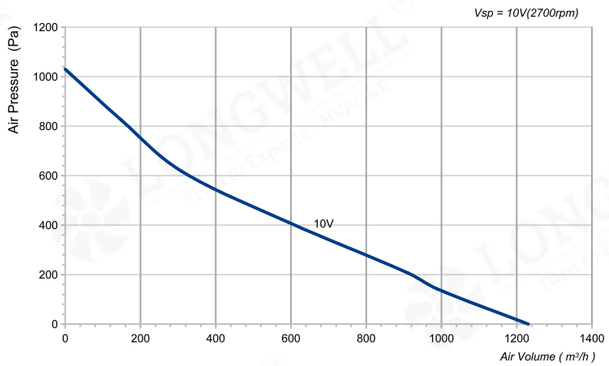
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-200S-MBN-09	230	170	1.1	1210	1030	2700	71



LWDE-250 Series





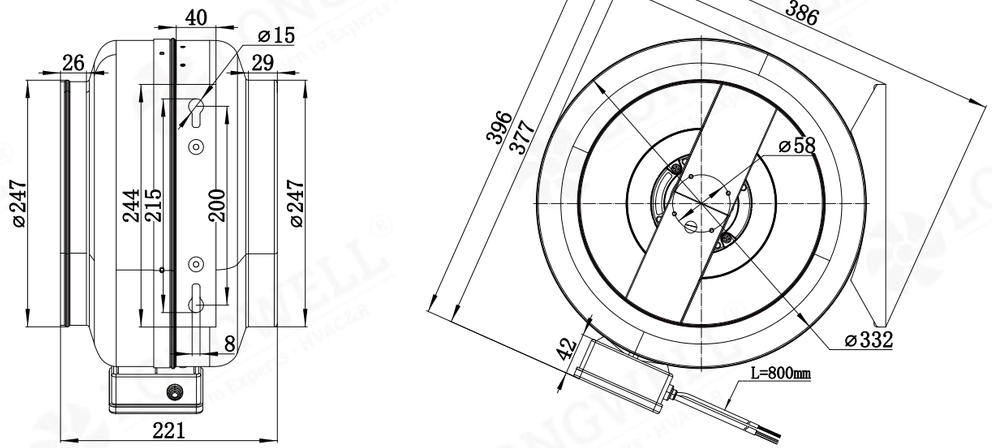
Product Characteristic

- Impeller Material: Plastic
- Mode Of Operation: S1
- Insulation Class: B
- Bearing: Maintenance-free ball bearings
- Protection: Blocked rotation, thermal protection, high and low pressure protection
- Supply Voltage: 230V,50/60Hz
- Protection Class: IP54
- Operation Temperature: -25℃～+60℃
- Direction of Rotation: Clockwise,seen on rotor

CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

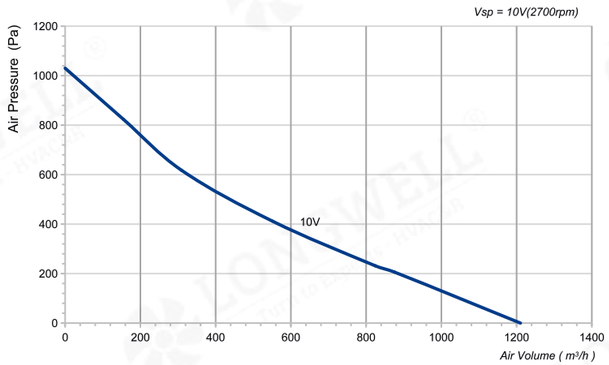
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-250S-MBN-07	230	170	1.1	1231	1030	2700	71



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LWDE-315 Series





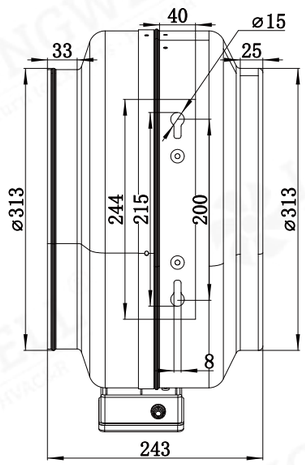
Product Characteristic

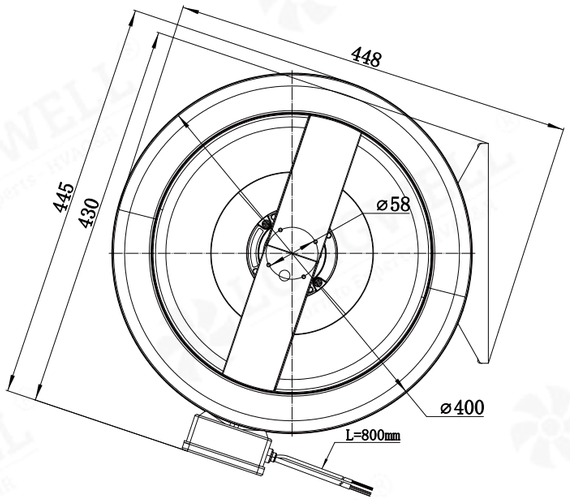
- Impeller Material: Metal
- Supply Voltage: 230V,50/60Hz
- Mode Of Operation: S1
- Protection Class: IP54
- Insulation Class: B
- Operation Temperature: -25℃～+60℃
- Bearing: Maintenance-free ball bearings
- Direction of Rotation: Clockwise,seen on rotor
- Protection: Blocked rotation, thermal protection, high and low pressure protection

CE RoHS BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDE-315S-MBN-01	230	220	1.4	1839	793	2700	77





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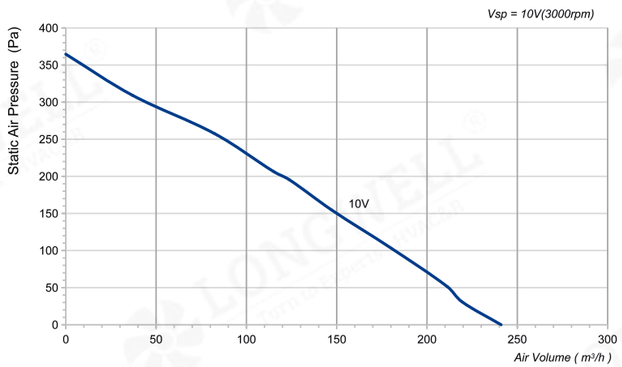
DC Circular Duct Fan

Professional HVAC Fan &Motors Manufacturer



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LWDD-100 Series





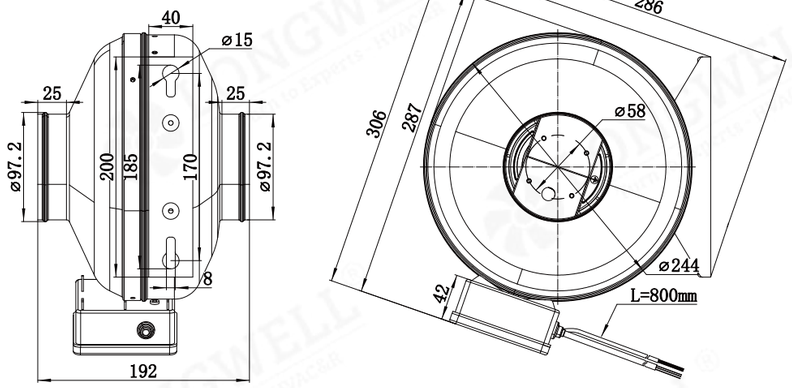
Product Characteristic

- Impeller Material: Plastic
- Housing Material: Metal
- Supply Voltage: 12V/24V/48V
- Mode of Operation: S1
- Protection Class: IP44-55
- Insulation Class: B
- Technical Features: 0-10VDC/PWM Speed control,Tach output
- Operation Temperature: -25℃～+60℃
- Motor Protection: Polarity Protection;Soft start;Over current protection;Overvoltage Protection

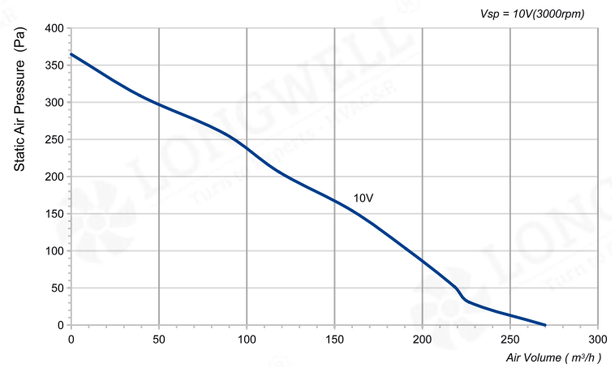
CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDD-100L-MBN-11	12	30	2.65	241	365	3000	62
LWDD-100M-MBN-12	24	30	1.32	241	365	3000	62
LWDD-100H-MBN-13	48	30	0.67	241	365	3000	62



LWDD-125 Series





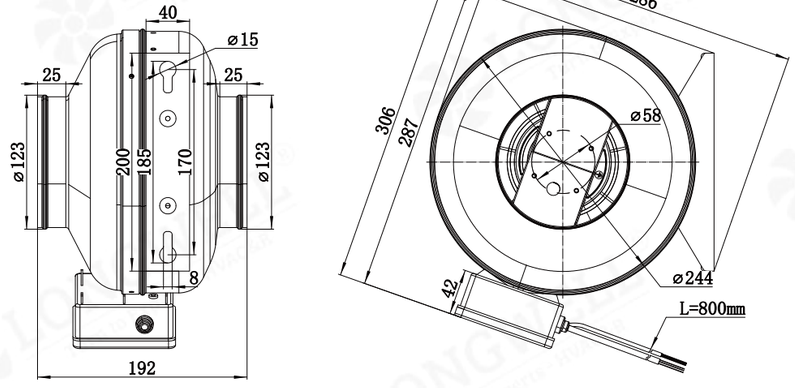
Product Characteristic

- Impeller Material: Plastic
- Housing Material: Metal
- Supply Voltage: 12V/24V/48V
- Mode of Operation: S1
- Protection Class: IP44-55
- Insulation Class: B
- Technical Features: 0-10VDC/PWM Speed control,Tach output
- Operation Temperature: -25℃～+60℃
- Motor Protection: Polarity Protection;Soft start;Over current protection;Overvoltage Protection

CE RoHS ETL BSCI ISO EAC UL LVD

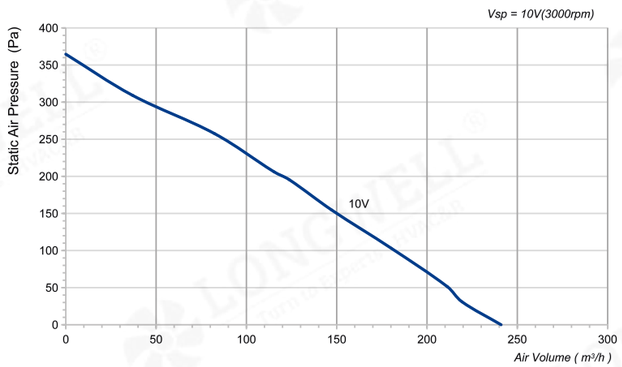
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDD-125L-MBN-07	12	32	2.7	270	365	3000	62
LWDD-125M-MBN-08	24	32	1.35	270	365	3000	62
LWDD-125H-MBN-09	48	32	0.7	270	365	3000	62



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LWDD-160 Series





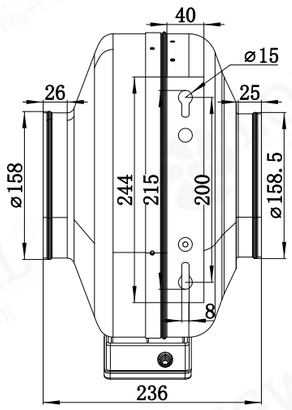
Product Characteristic

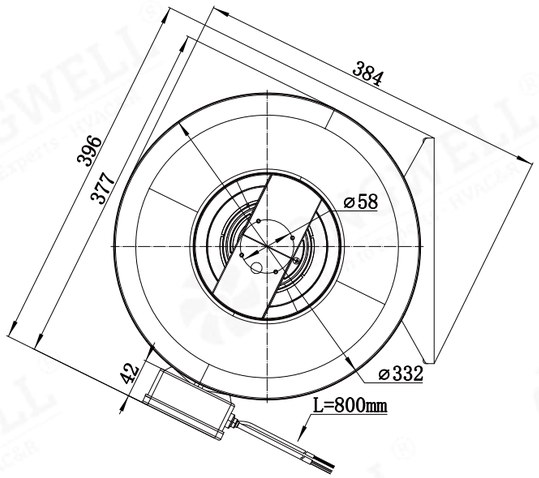
- Impeller Material: Plastic
- Housing Material: Metal
- Supply Voltage: 24V/48V
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: B
- Technical Features: 0-10VDC/PWM Speed control,Tach output
- Operation Temperature: -25℃～+60℃
- Motor Protection: Polarity Protection;Soft start;Over current protection;Overvoltage Protection

CE RoHS ETL BSCI ISO EAC UL LVD

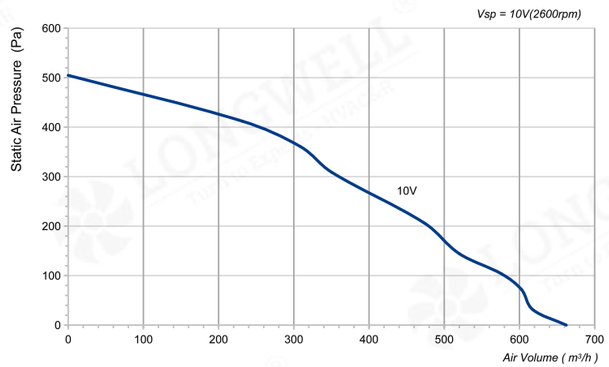
Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDD-160M-MBN-02	24	100	4.2	662	505	3050	72
LWDD-160H-MBN-03	48	100	2.1	662	505	3050	72





LWDD-200 Series





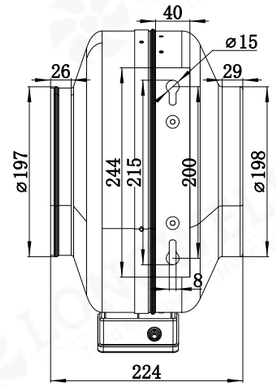
Product Characteristic

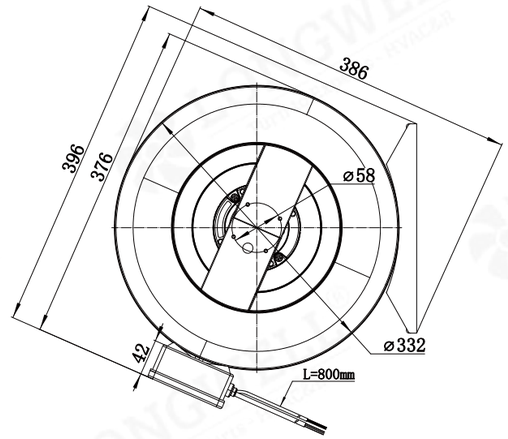
- Impeller Material: Plastic
- Housing Material: Metal
- Supply Voltage: 12V/24V/48V
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: B
- Technical Features: 0-10VDC/PWM Speed control,Tach output
- Operation Temperature: -25℃～+60℃
- Motor Protection: Polarity Protection;Soft start;Over current protection;Overvoltage Protection

CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

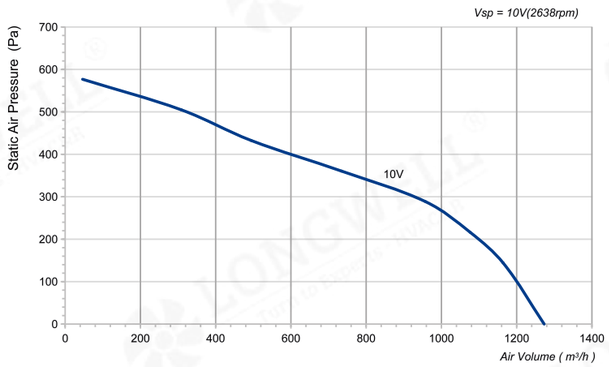
Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDD-200L-MBN-10	12	60	5	662	505	2600	67
LWDD-200M-MBN-11	24	60	2.5	662	505	2600	67
LWDD-200H-MBN-12	48	60	1.2	662	505	2600	67





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LWDD-250 Series





Product Characteristic

- Impeller Material: Plastic
- Housing Material: Metal
- Supply Voltage: 24V/48V
- Mode of Operation: S1
- Protection Class: IP44
- Insulation Class: B
- Technical Features: 0-10VDC/PWM Speed control,Tach output
- Operation Temperature: -25℃～+60℃
- Motor Protection: Polarity Protection;Soft start;Over current protection;Overvoltage Protection

CE RoHS ETL BSCI ISO EAC UL LVD

Technical Specifications

Model	Voltage (V)	Input Power (W)	Current (A)	Air Volume (m³/h)	Air Pressure (Pa)	Speed (RPM)	Noise [dB(A)]
LWDD-250M-MBN-08	24	130	5	1236	577	2638	72
LWDD-250H-MBN-09	48	130	2.5	1236	577	2638	72

