

Delivery Premium Quality Fans Globally for Healthier Breathing

World's Largest Selection of Fan Products  
World's Most Comprehensive Fan Solutions



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**Professional HVAC Fan  
& Motors Manufacturer**

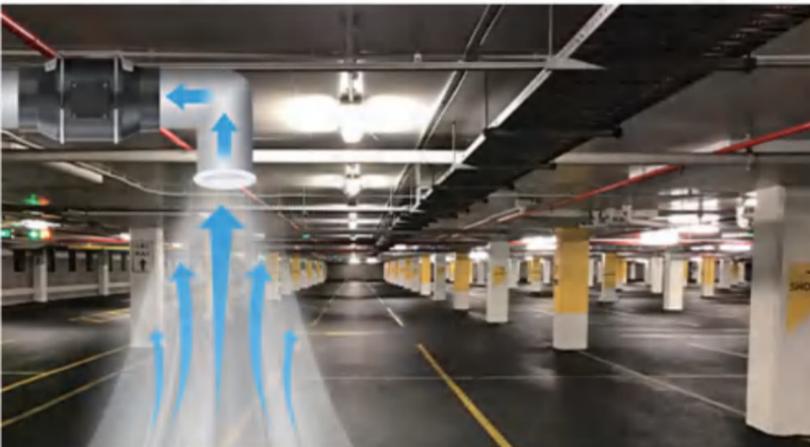
Circular Duct Fan

Ningbo Longwell Electric Technology Co., Ltd



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# About Longwell

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

OEM for Well-Known Brands

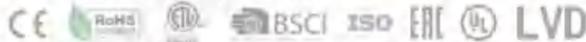
Supplies Fortune 500 Companies

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

Staff

40000m<sup>2</sup>

Floor Space

500<sup>+</sup>

Branding Clients

1 Million<sup>+</sup> PCS

Annual Outputs

6

Overseas offices on spot support

50<sup>+</sup>

Members R&D Team



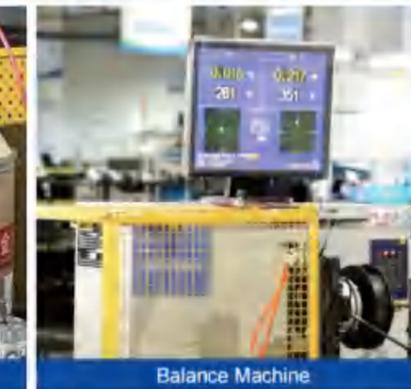
B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



Production Line - Centrifugal Fan



Automatic CNC machine



Air Dynamic Test Lab



Production Line - Axial Fans



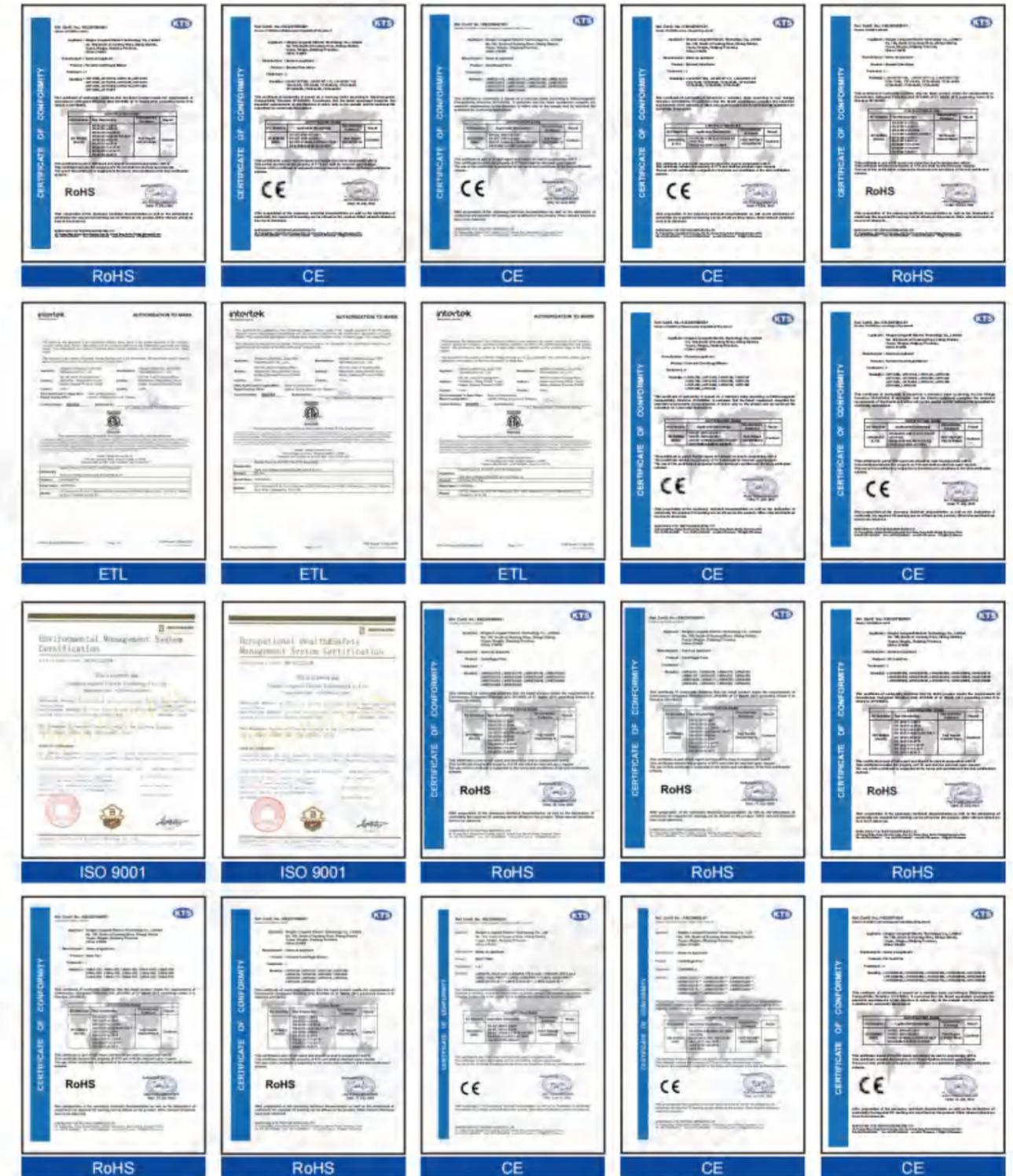
Production Line

# Testing and Standards

- ISO GB/T 19001-2016 idt ISO 9001:2015/GB/T 24001-2016 idt ISO 14001:2015/GB/T 45001-2020 idt ISO 45001:2018
- UL 507:2017 Ed.10+R:27/CSA C22.2#113:2018 Ed.11
- BSCI ANSI C63.4:2014/ANSI C63.4a-2017
- EN IEC 55014-1:2021/EN IEC 55014-2:2021/EN IEC 61000-3-2:2019 +A1:2021  
EN 61000-3-3:2013 +A1:2019 +A2:2021 +AC:2022-01  
EN 60335-2-80:2003 +A1:2004 +A2:2009;  
EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019+A14:2019 +A2:2019+A15:2021  
EN 62321-1:2013/EN 62321-2:2014/EN 62321-3-1:2014  
EN 62321-4:2014+A1:2017/EN 62321-5:2014/EN 62321-6:2015  
EN 62321-7-1:2015/EN 62321-7-2:2017/EN 62321-8:2017



Enterprise Credit Evaluation Certificate - Highest Level in China



# Mainly Application

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



**Grow Tent**



**Bathroom Ventilation**



**Primary Air System**



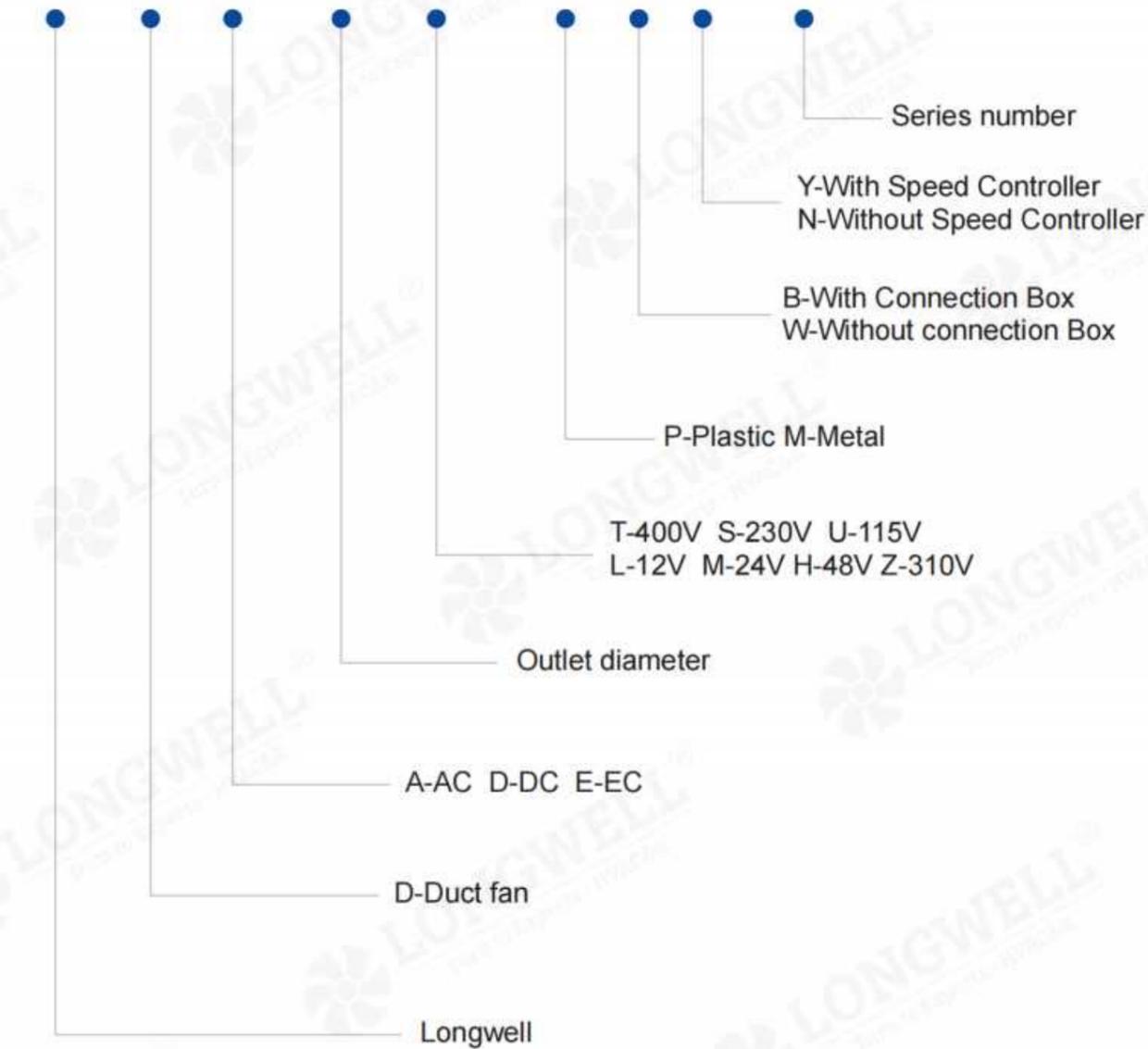
**Kitchen Ventilation**



**Air Conditioning Vent**

# Type Code

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

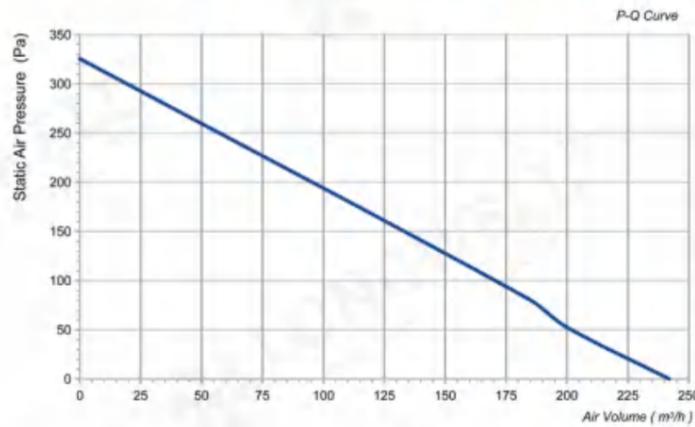


# AC Circular Duct Fan

Professional HVAC Fan & Motors Manufacturer



# LWDA-100 Series



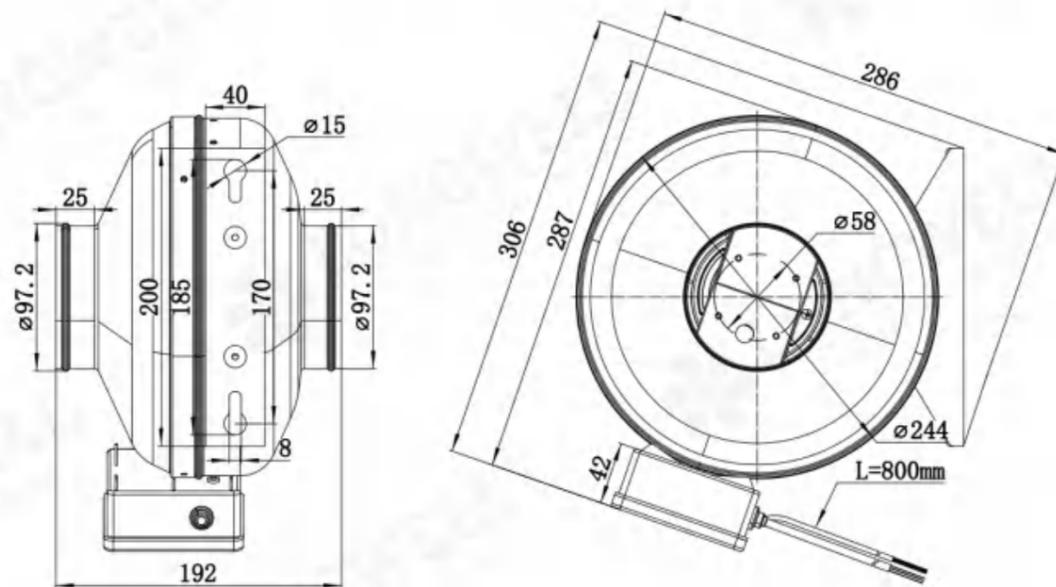
## Product Characteristic

- 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°C ~ +60°C

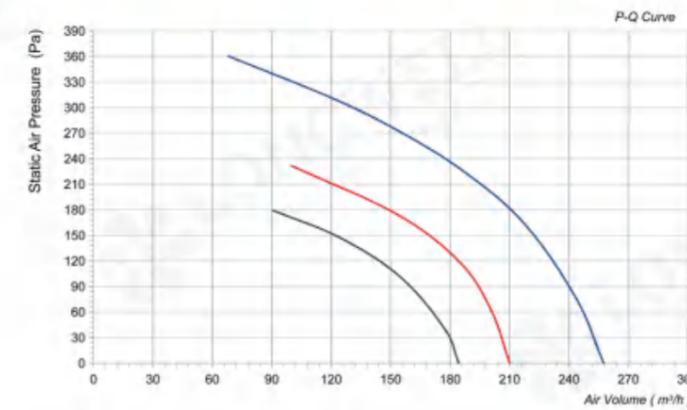


## Technical Specifications

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



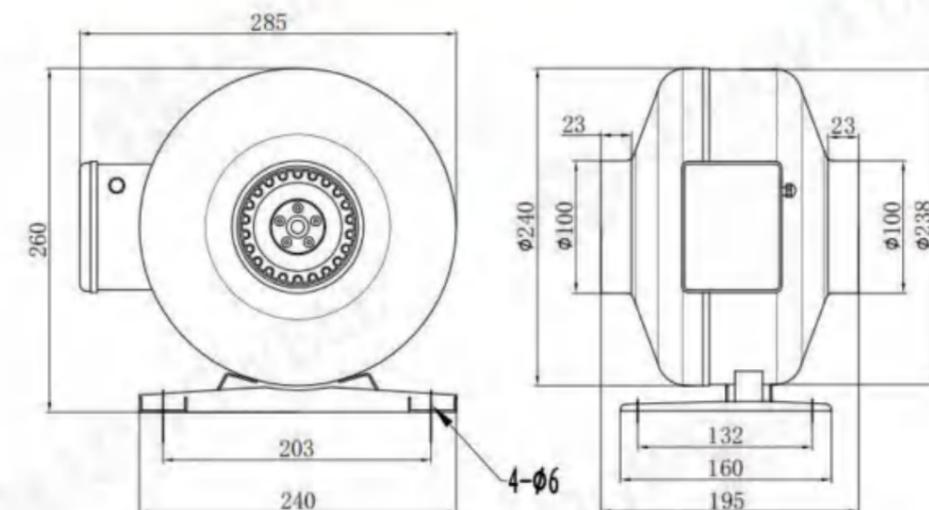
## Product Characteristic

- 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°C ~ +60°C

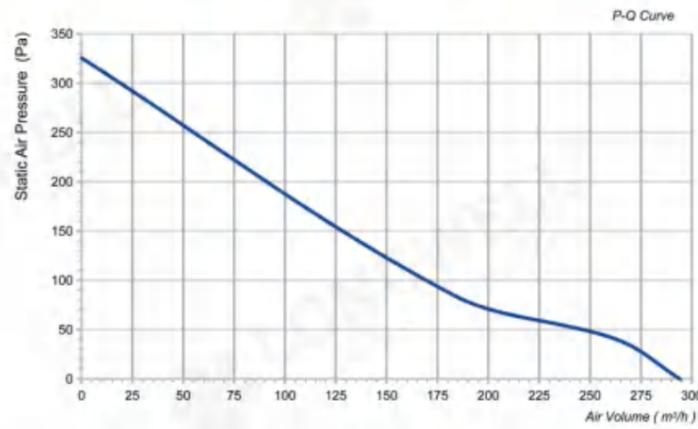


## Technical Specifications

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



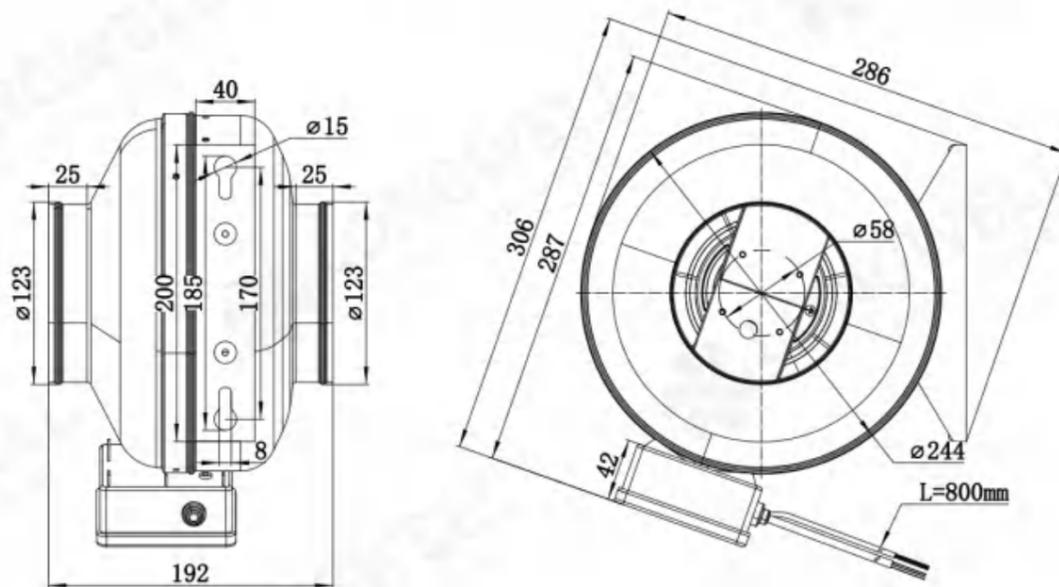
## Product Characteristic

- 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°C ~ +60°C

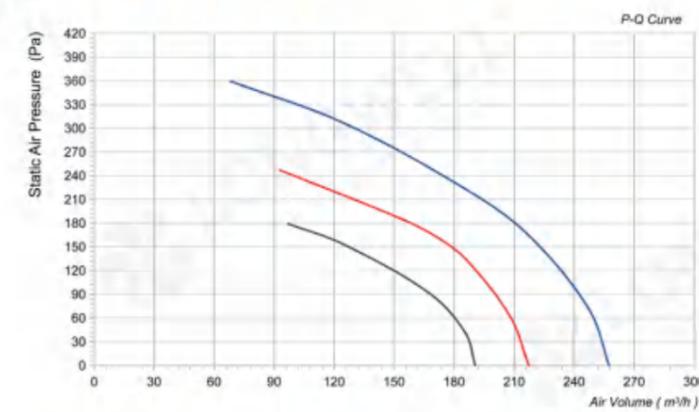


## Technical Specifications

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



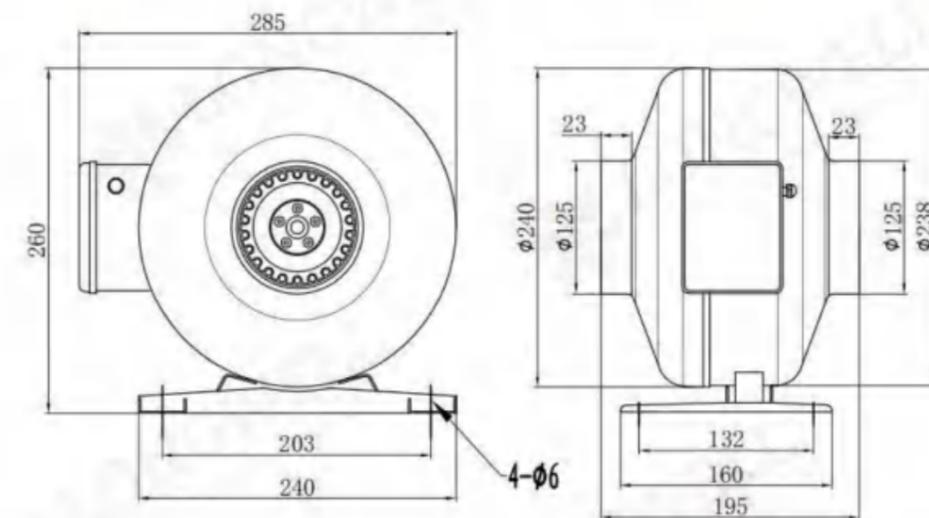
## Product Characteristic

- 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°C ~ +60°C



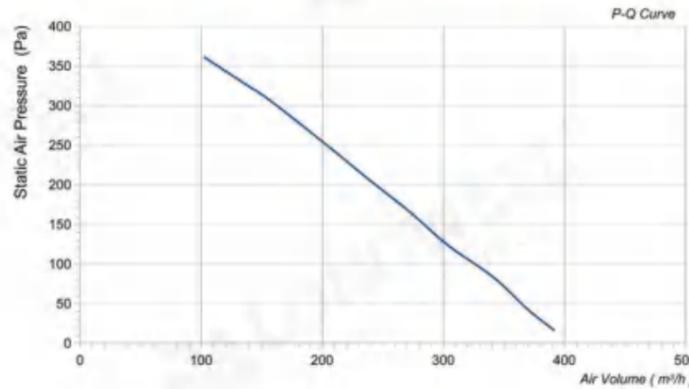
## Technical Specifications

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



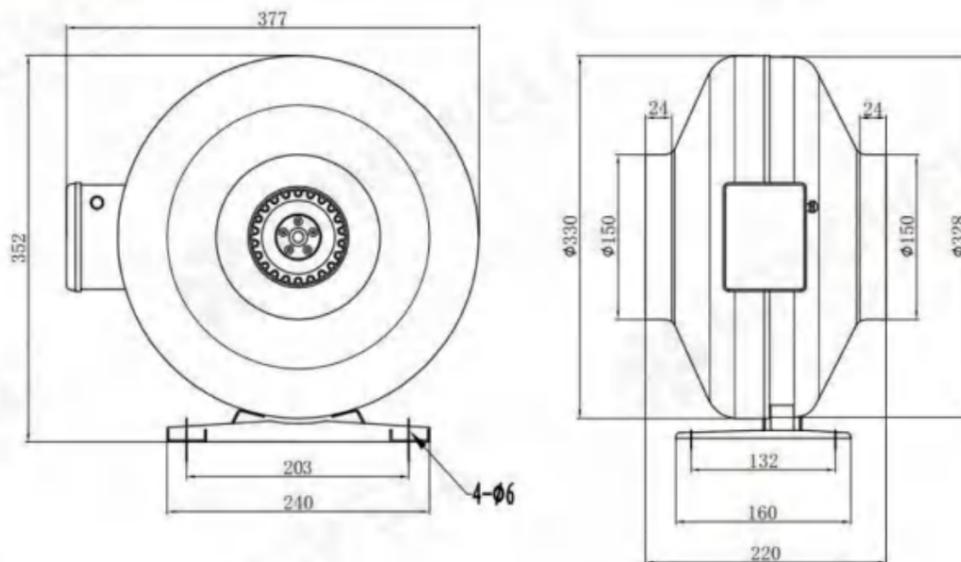
### Product Characteristic

- 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: 110V,50Hz
- Protection Class: IP54
- Operation Temperature: -40°C ~ +60°C

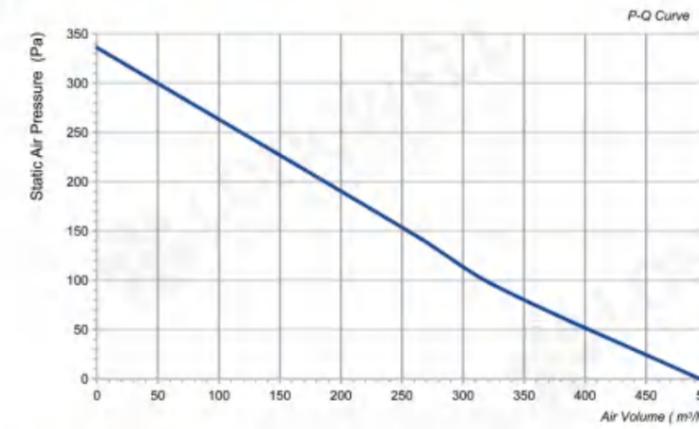


### Technical Specifications

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



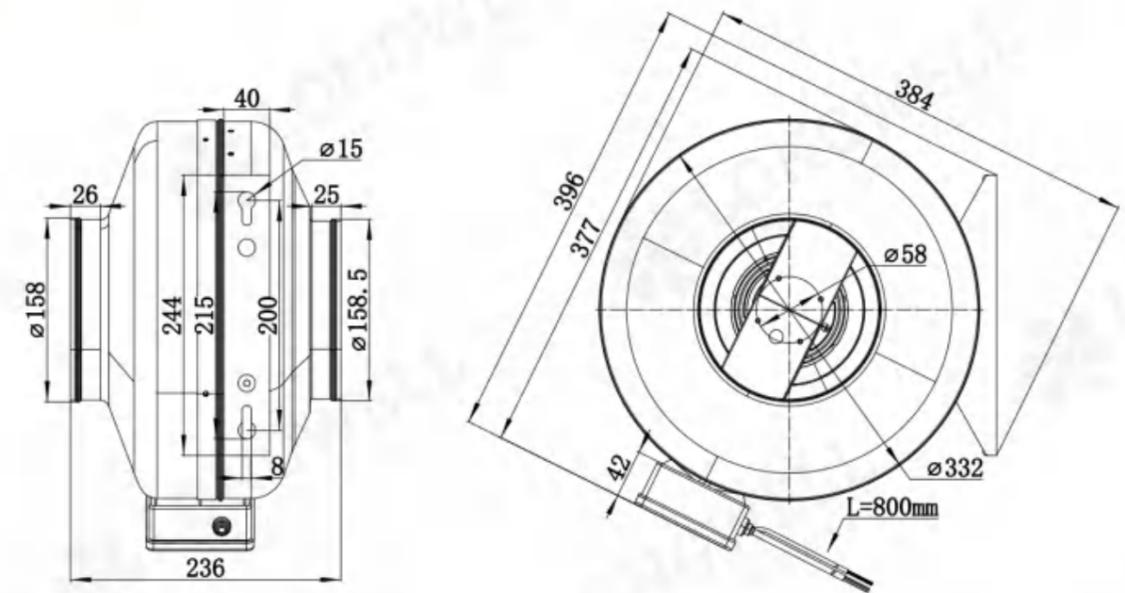
### Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C

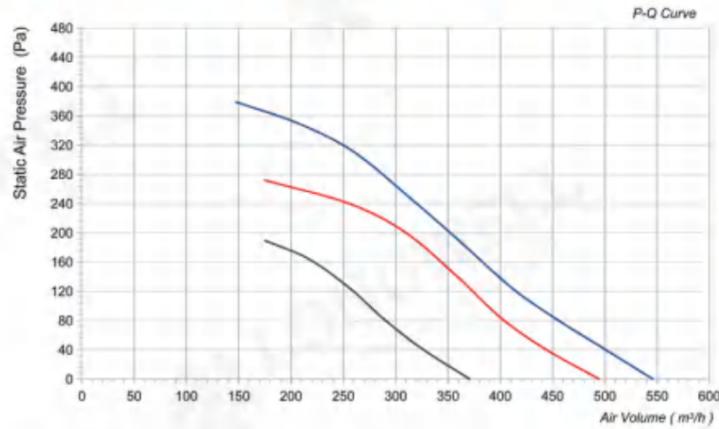


### Technical Specifications

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



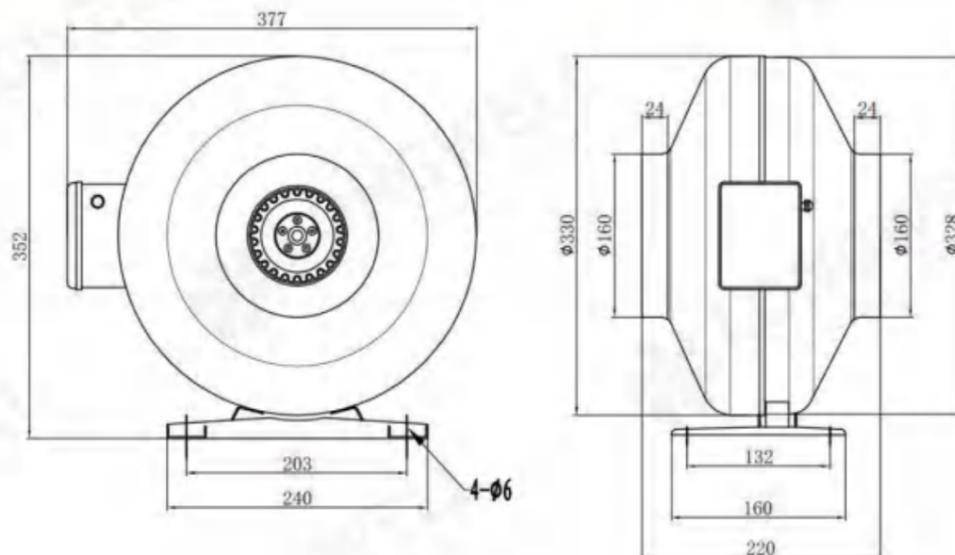
### Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C

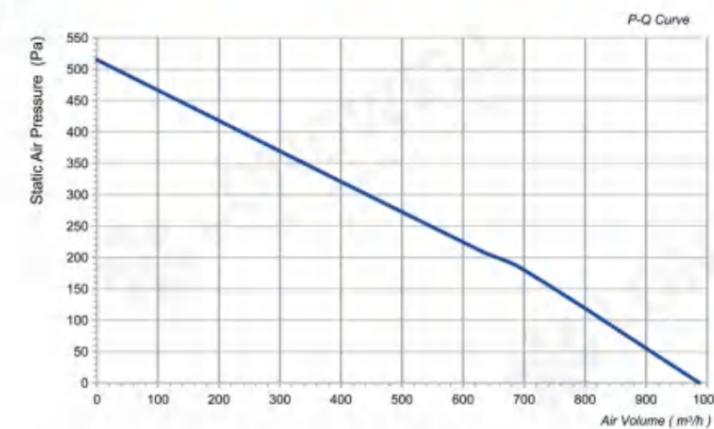


### Technical Specifications

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



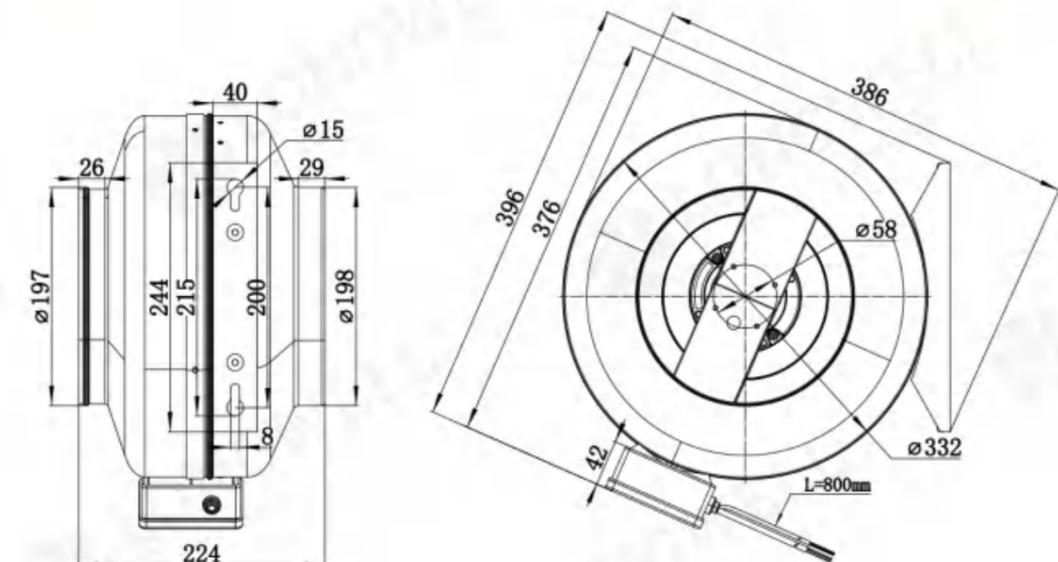
### Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C

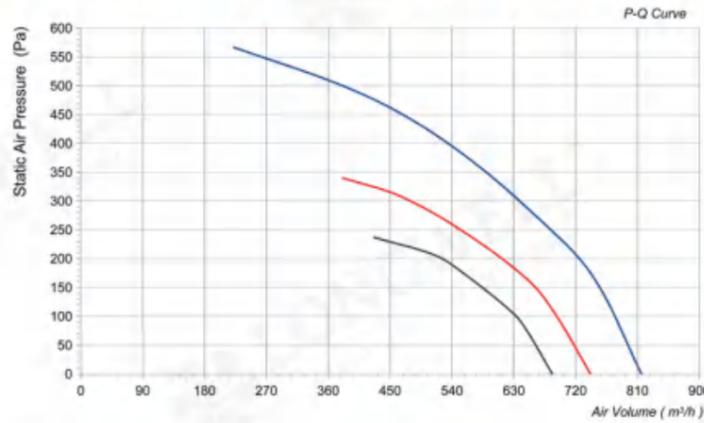


### Technical Specifications

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



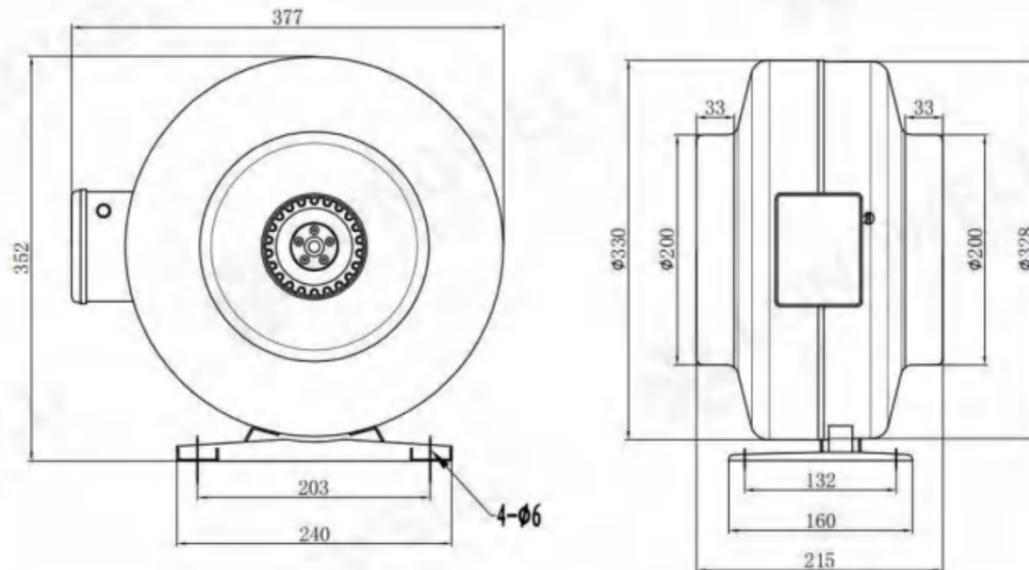
## Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C

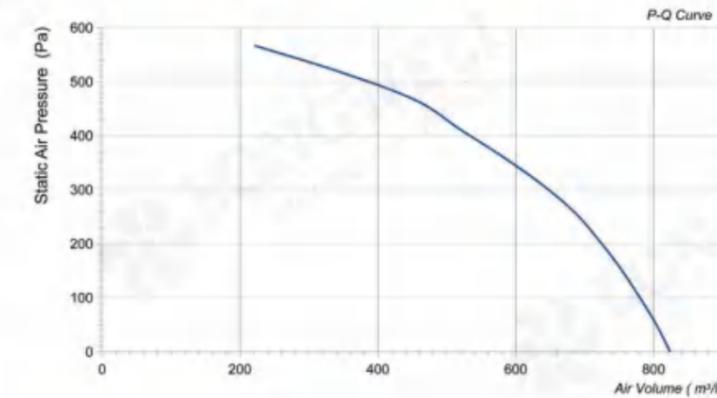


## Technical Specifications

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



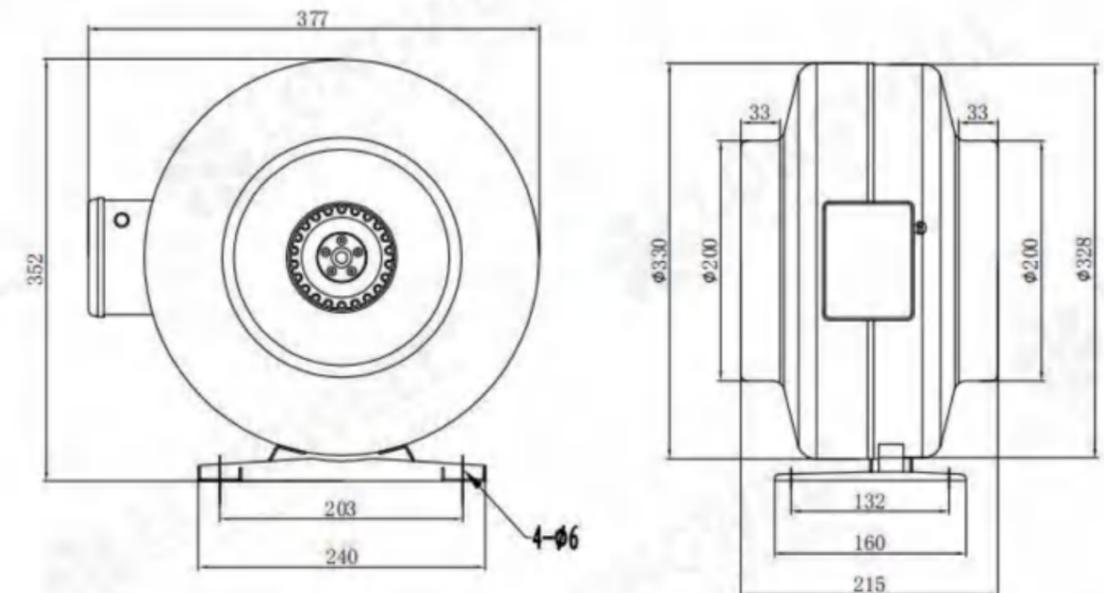
## Product Characteristic

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

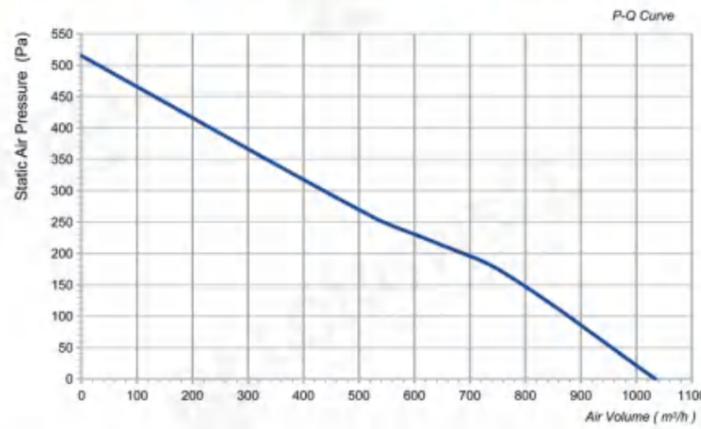


## Technical Specifications

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



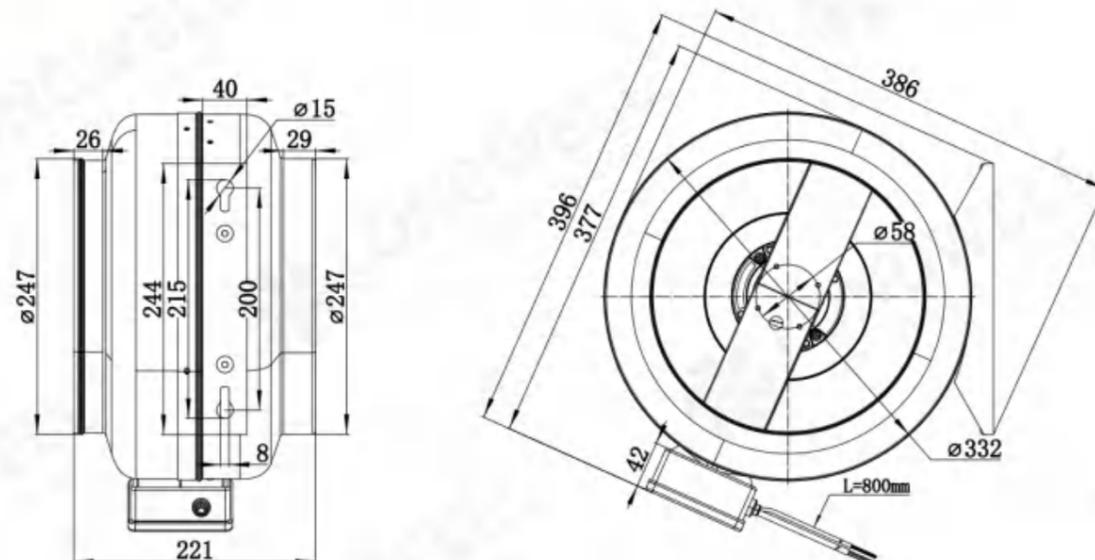
## Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C

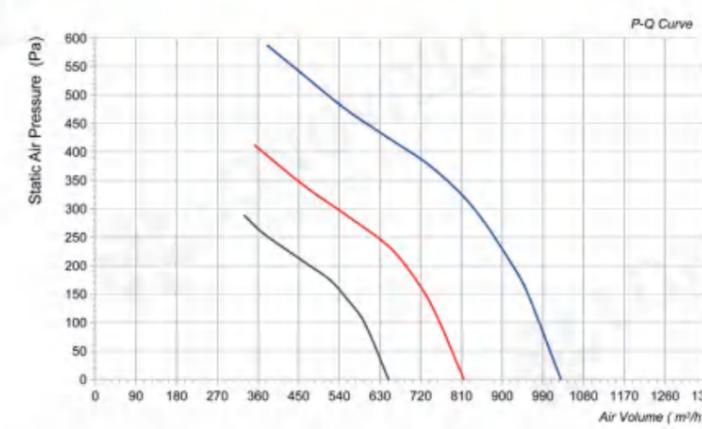


## Technical Specifications

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



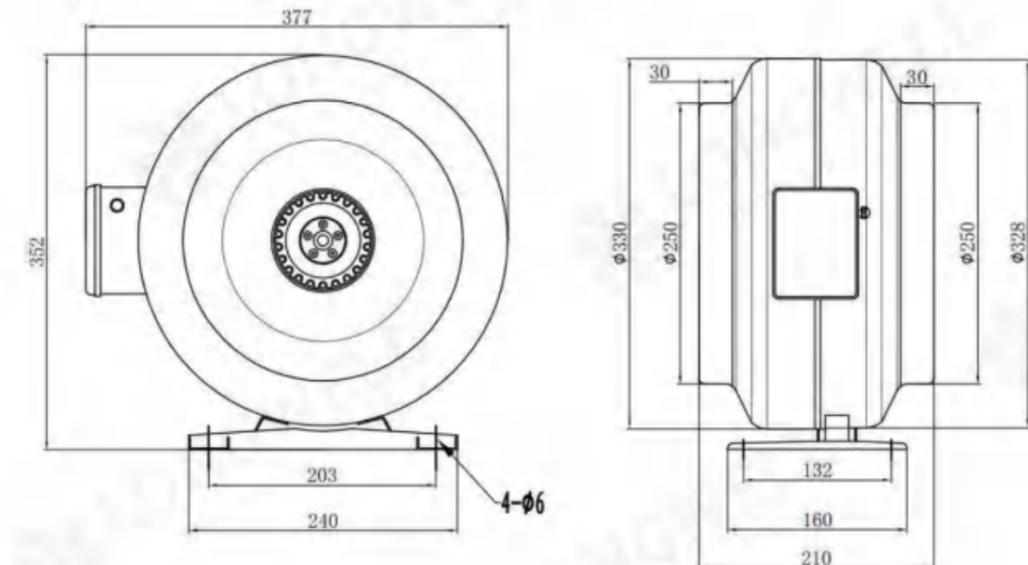
## Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C



## 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



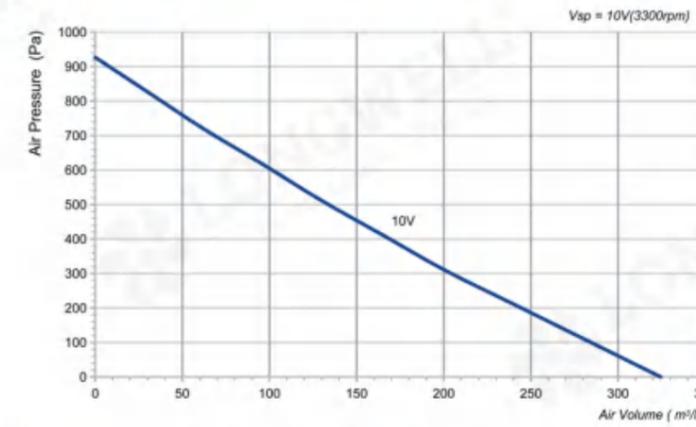


# EC Circular Duct Fan

Professional HVAC Fan & Motors Manufacturer



## LWDE-100 Series



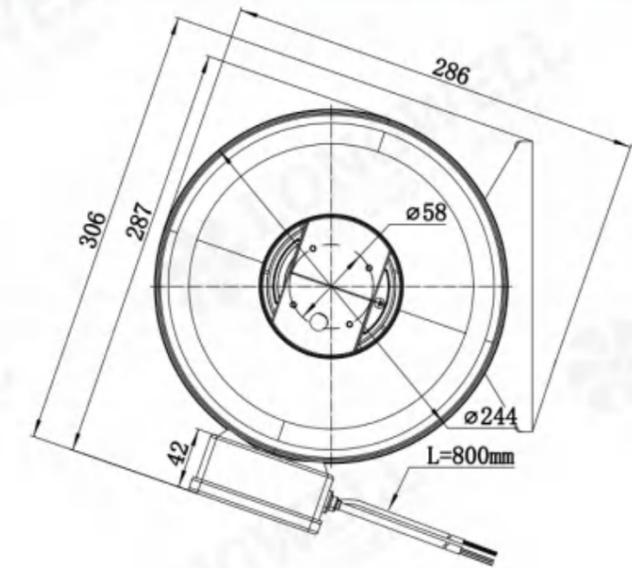
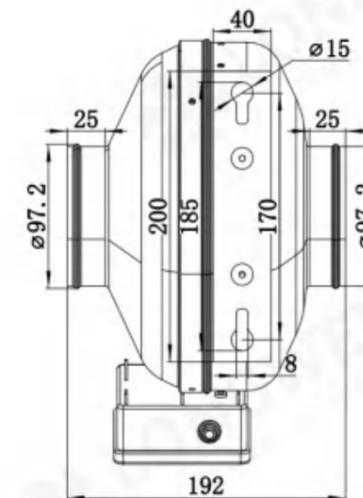
### Product Characteristic

- 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

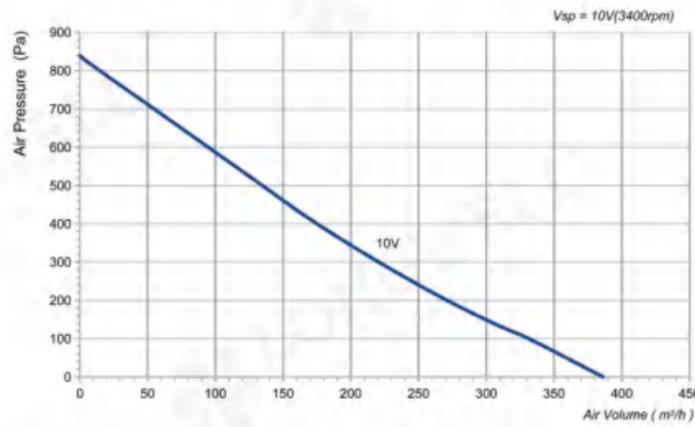


### Technical Specifications

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



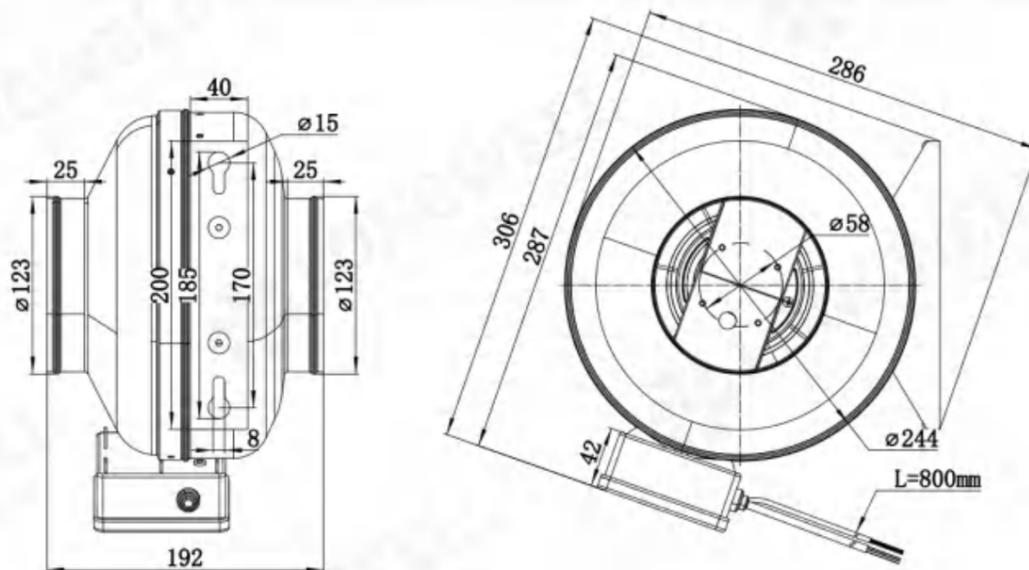
### Product Characteristic

- Impeller Material: Plastic
- 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°C ~ +60°C
- Direction of Rotation: Clockwise, seen on rotor

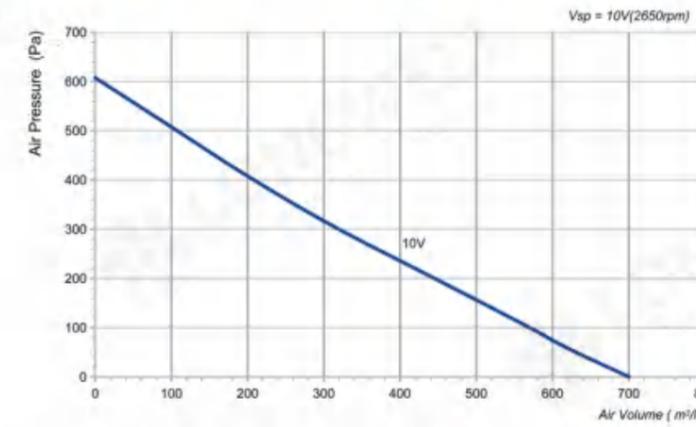


### Technical Specifications

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	0.6	386	839	3400	69



## LWDE-150 Series



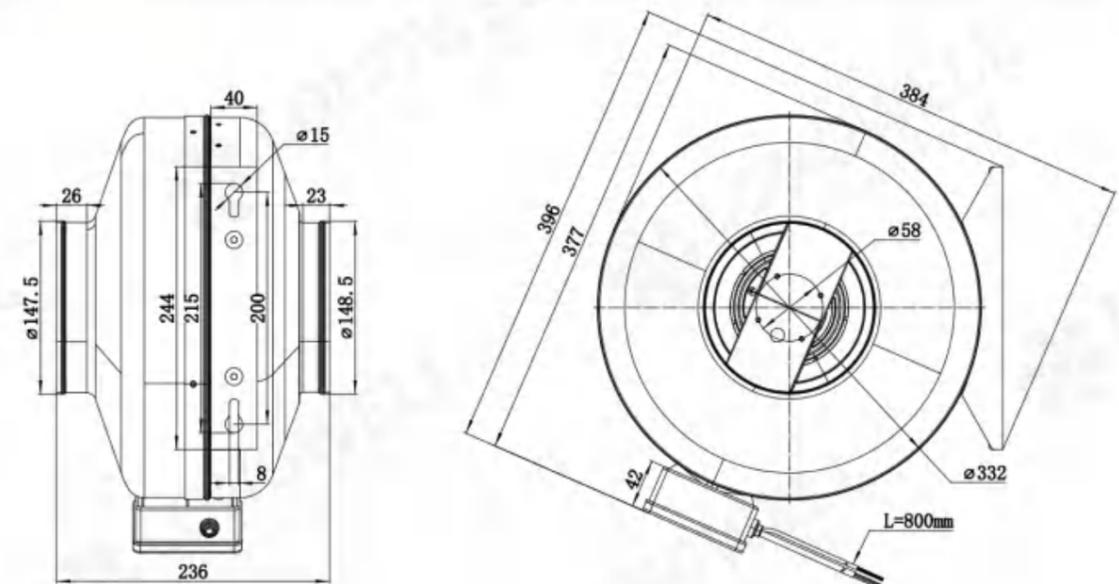
### Product Characteristic

- 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°C ~ +60°C
- Direction of Rotation: Clockwise, seen on rotor

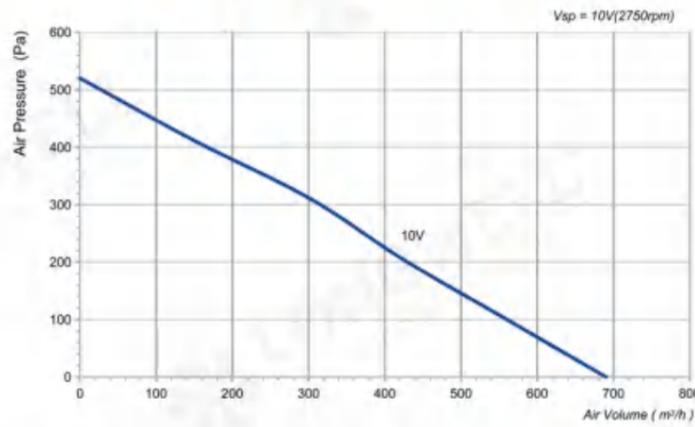


### Technical Specifications

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



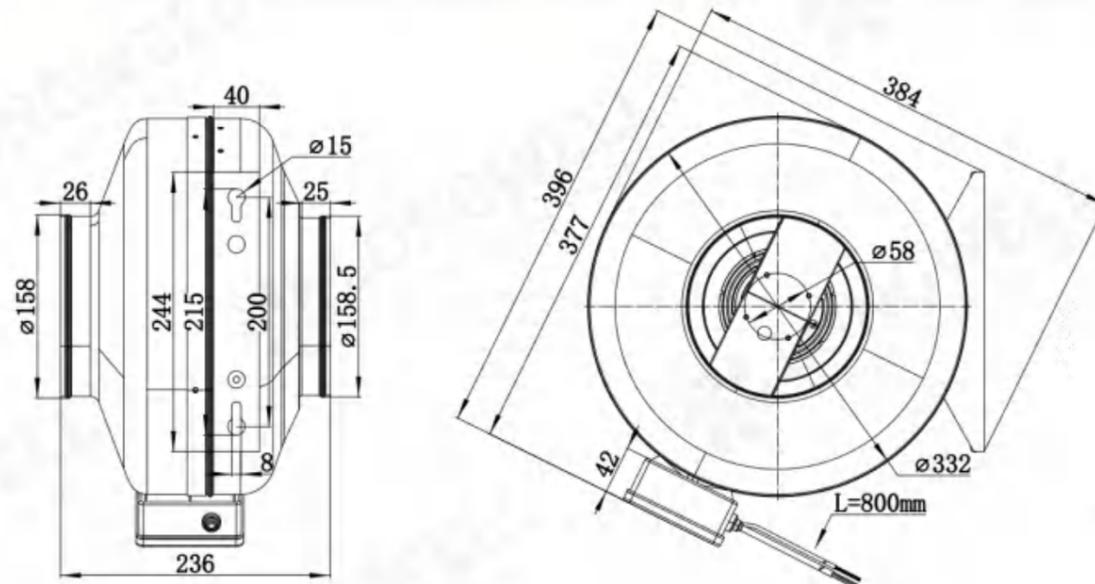
### Product Characteristic

- Impeller Material: Plastic
- 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 C ~ +60 C
- Direction of Rotation: Clockwise, seen on rotor

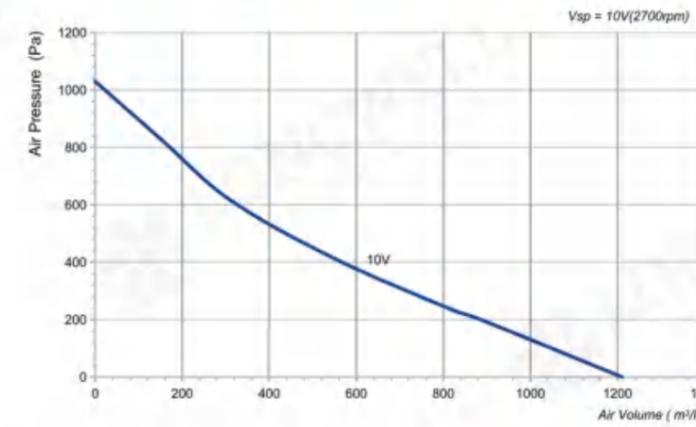


### Technical Specifications

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



## LWDE-200 Series



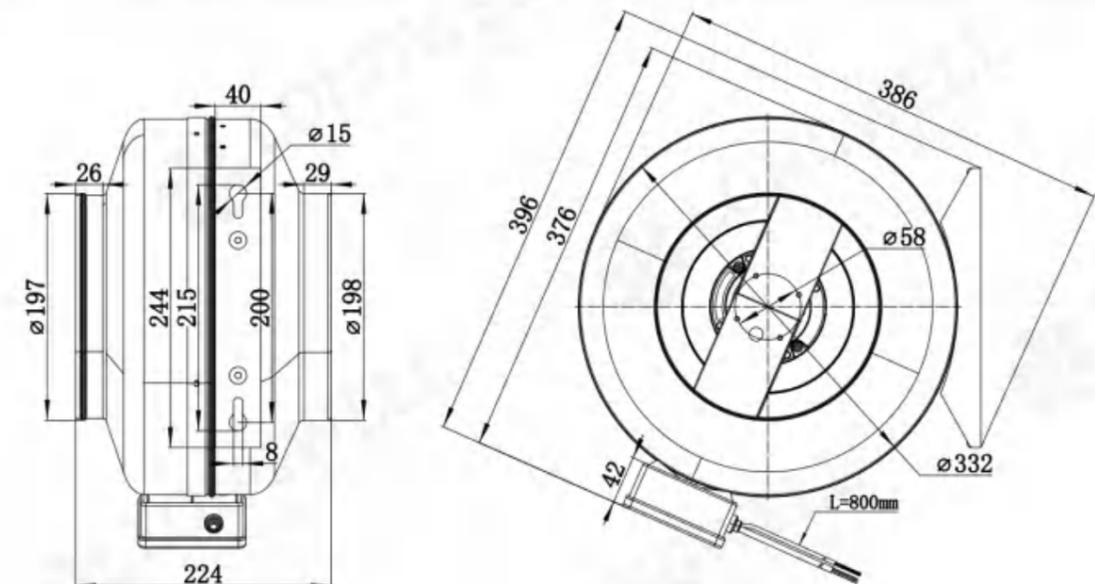
### Product Characteristic

- 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 C ~ +60 C
- Direction of Rotation: Clockwise, seen on rotor

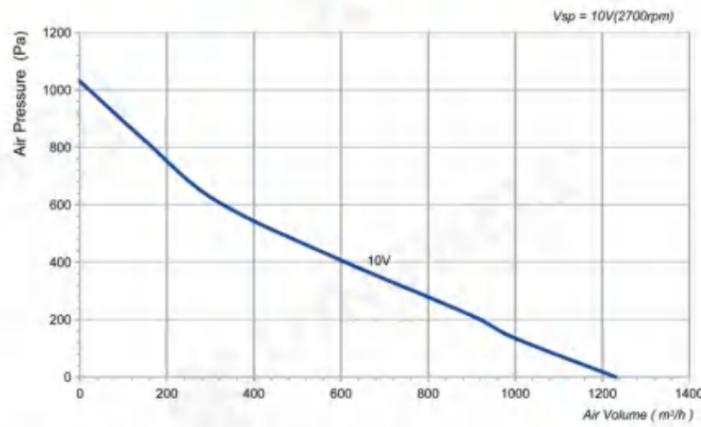


### Technical Specifications

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



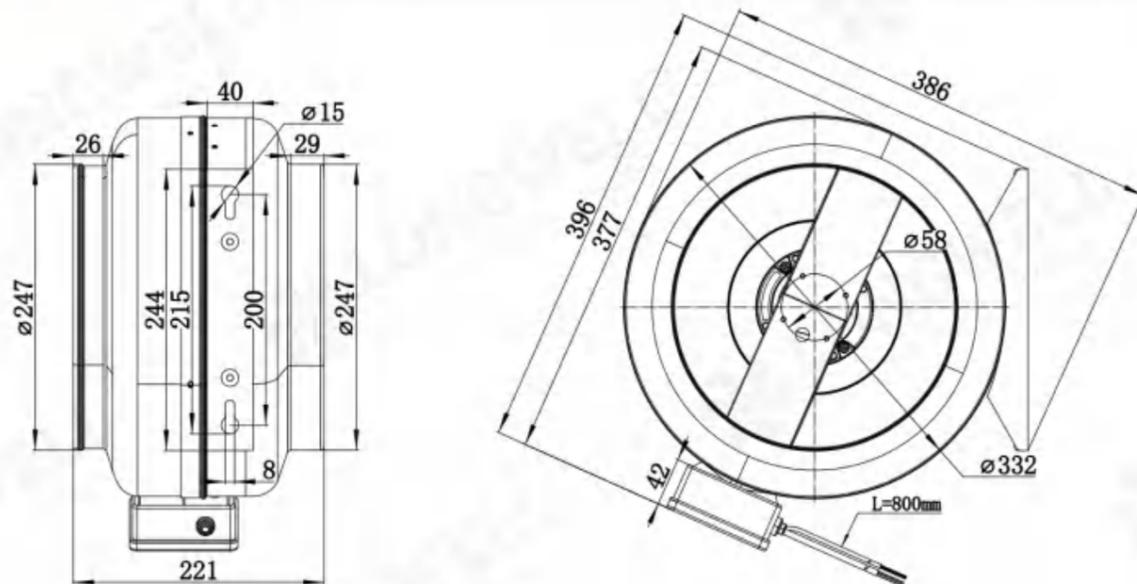
### Product Characteristic

- 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°C ~ +60°C
- Direction of Rotation: Clockwise, seen on rotor

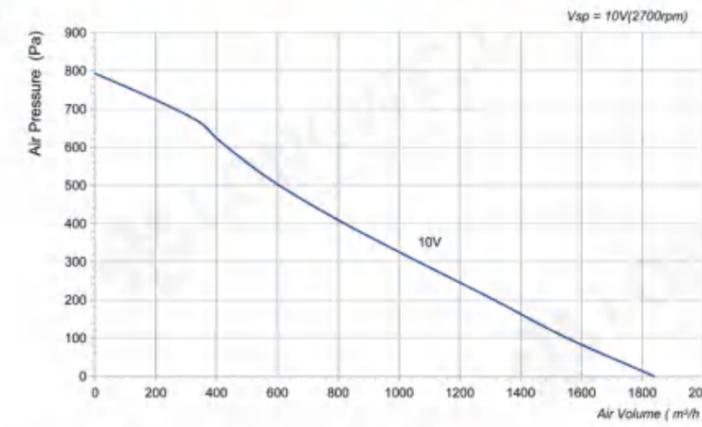


### Technical Specifications

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



## LWDE-315 Series



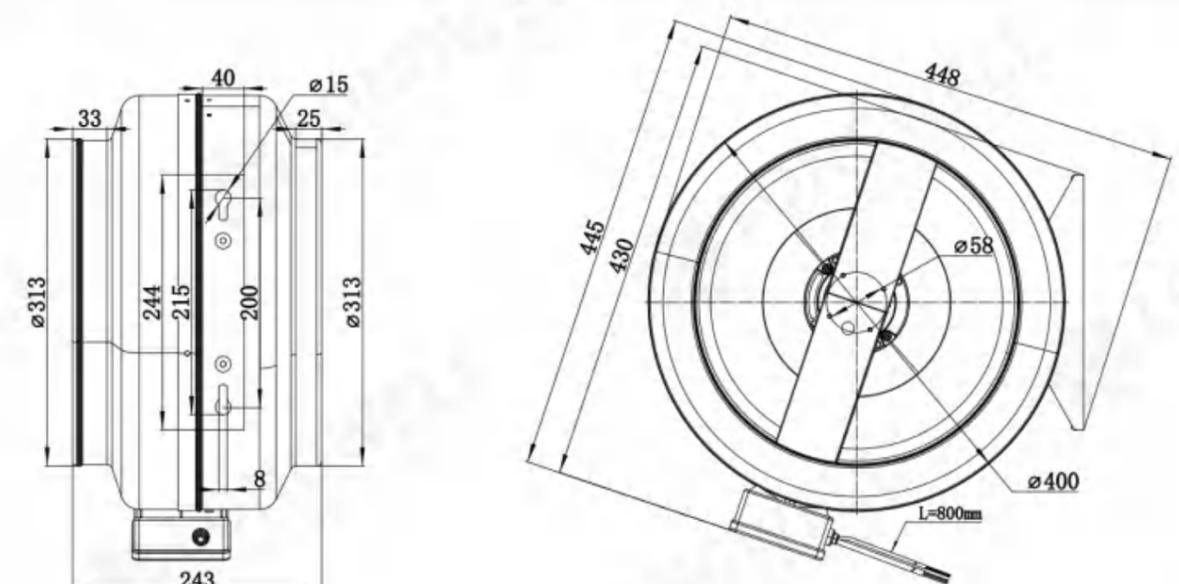
### Product Characteristic

- Impeller Material: Metal
- 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°C ~ +60°C
- Direction of Rotation: Clockwise, seen on rotor



### 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

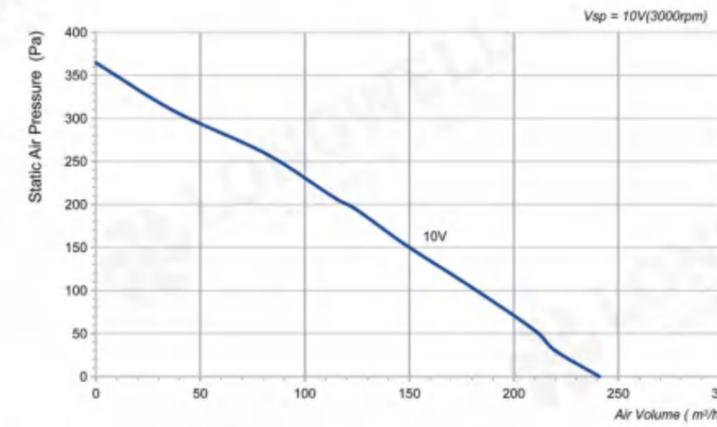


# DC Circular Duct Fan

Professional HVAC Fan & Motors Manufacturer



## LWDD-100 Series



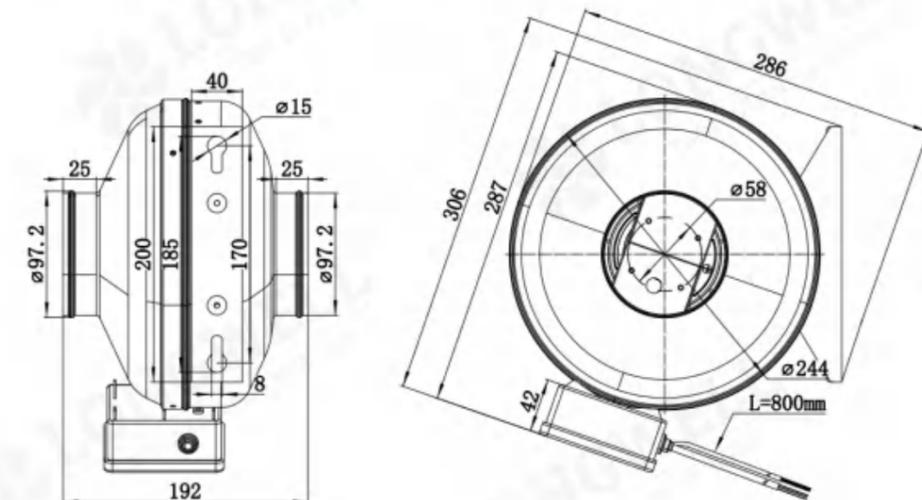
### Product Characteristic

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

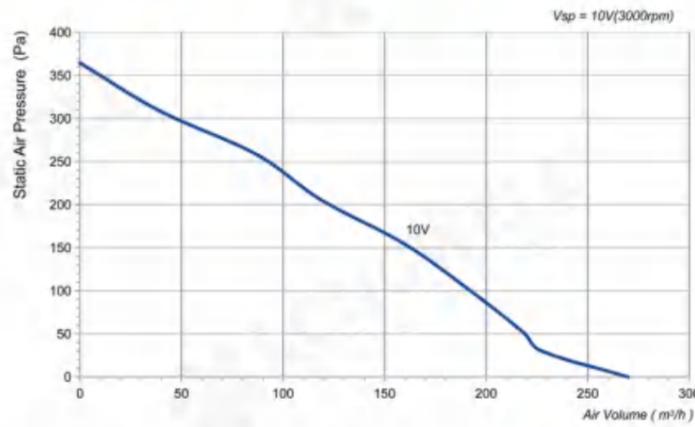


### Technical Specifications

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



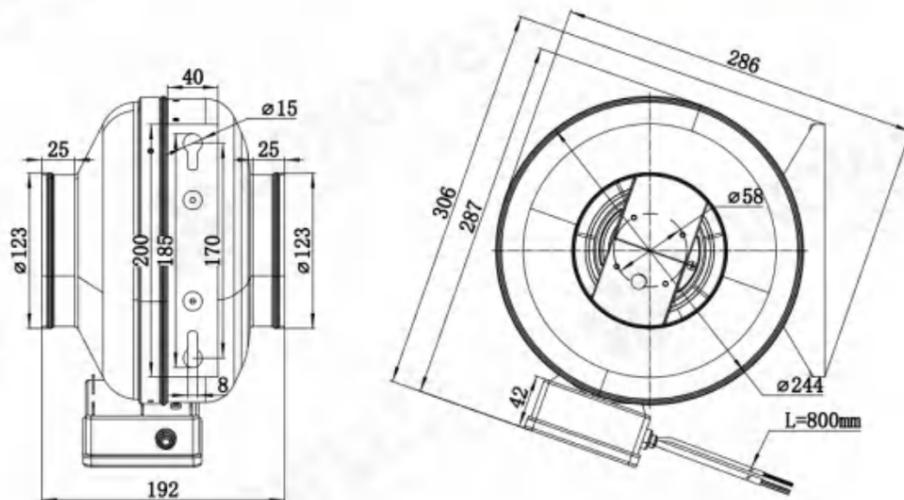
### Product Characteristic

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

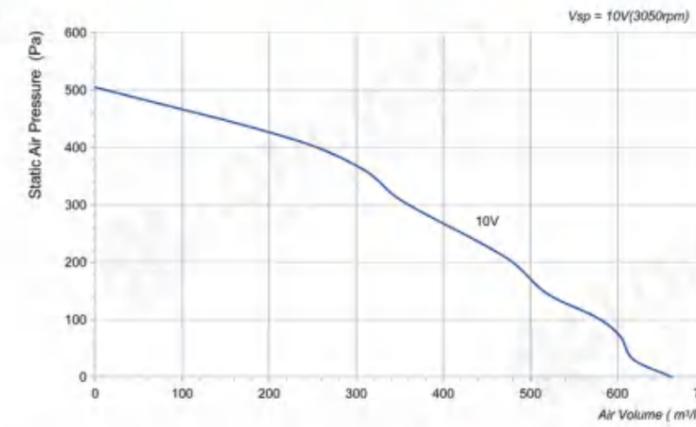


### Technical Specifications

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



## LWDD-160 Series



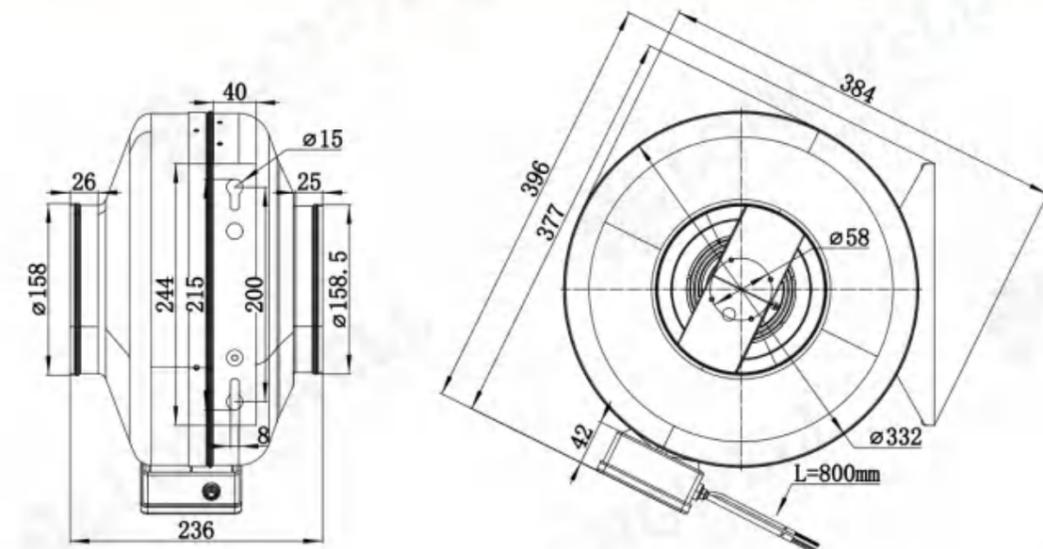
### Product Characteristic

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

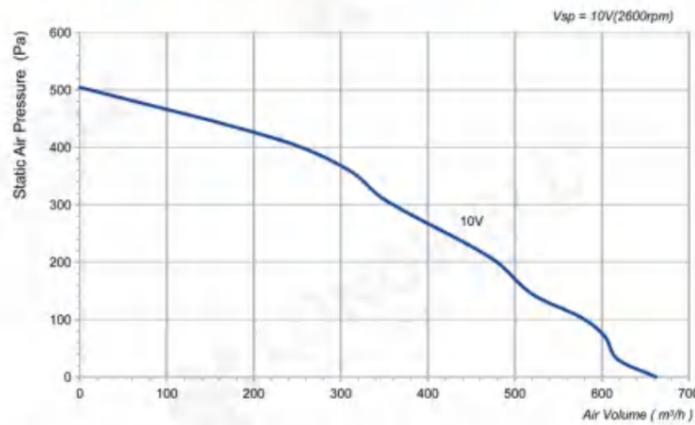


### Technical Specifications

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



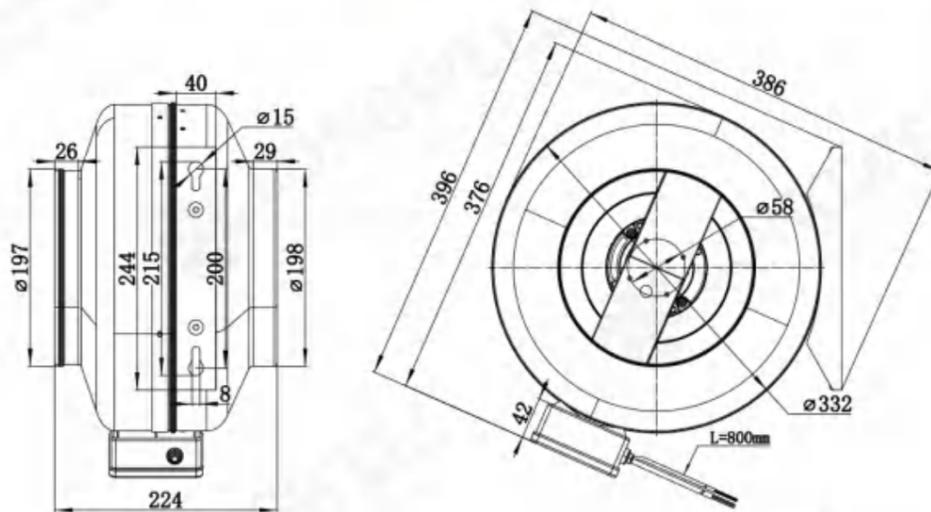
### Product Characteristic

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

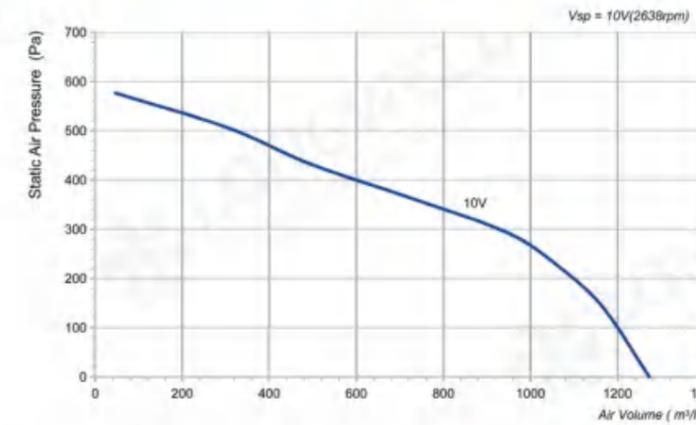


### Technical Specifications

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



## LWDD-250 Series



### Product Characteristic

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



### 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

