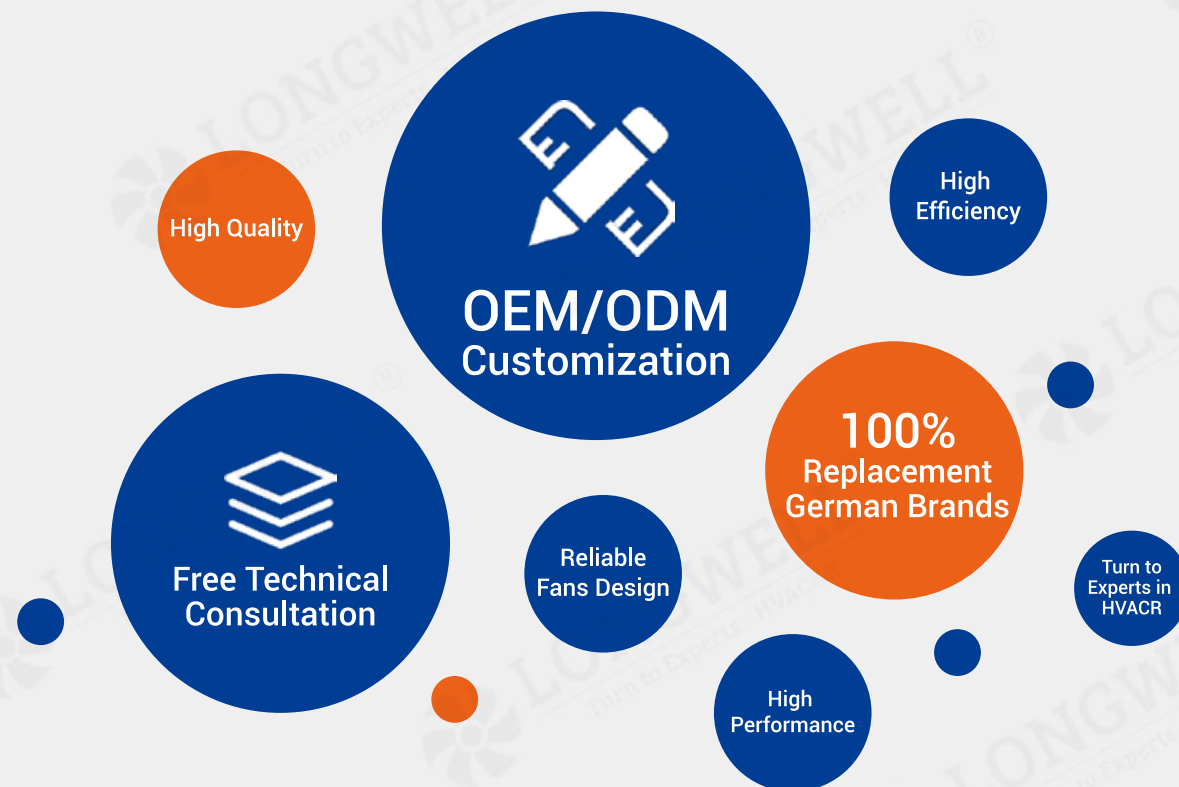


Delivery Premium Quality Fans Globally for Healthier Breathing

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



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: +86 180 5854 5395

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

Email: sales@longwellfans.com



LONGWELL TECHNOLOGY

*"Born for High-Quality Breathing
LONGWELL Fans Power Your Equipments"*



**Professional Manufacturer
of HVACR Fan & Motors**

—— AC Axial Flow Fan

Longwell Group

Longwell-China

Longwell-USA

Longwell-Russia

Longwell-Europe



CATALOGUE

01-02

About Longwell

03-04

Testing and Standards

05-06

Mainly Application

07

Type Code

08-34

AC Axial Flow Fan

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

40000m²

Floor Space

500⁺

Branding Clients

1Million⁺ PCS

Annual Outputs

6

Overseas offices
on spot support

50⁺

Members
R&D Team



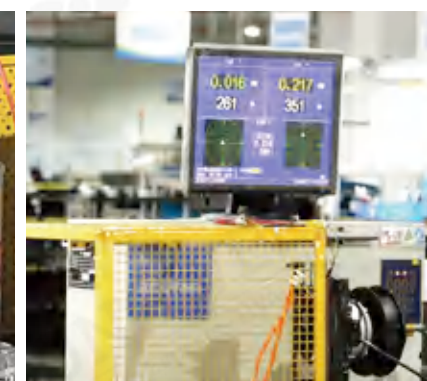
B&K Noise Testing Lab



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 +A1:2014 +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



Own-Brand



Own-Brand



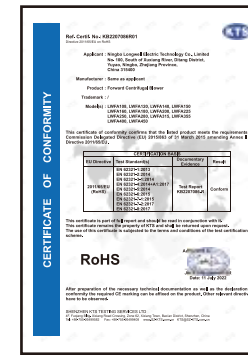
ETL



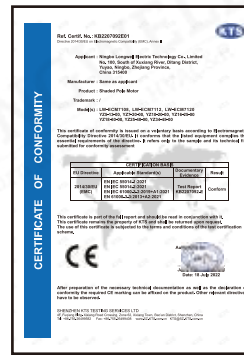
ETL



CE



RoHS



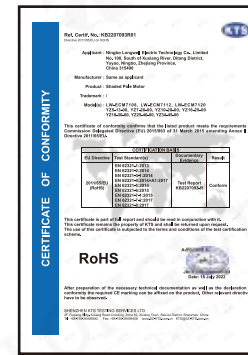
CE



CE



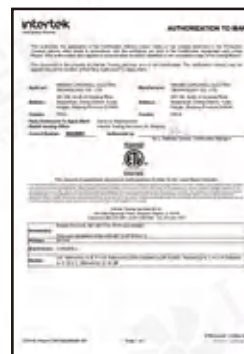
CE



RoHS



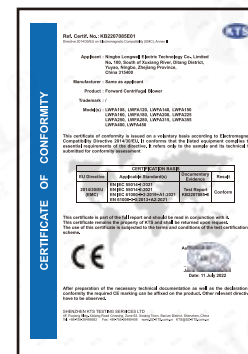
ETL



ETL



ETL



CE



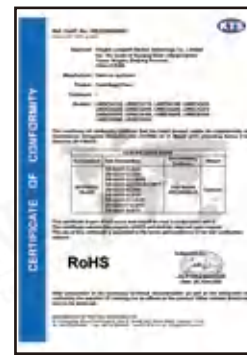
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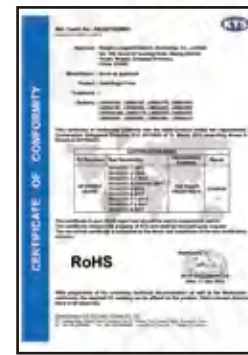
ISO 9001



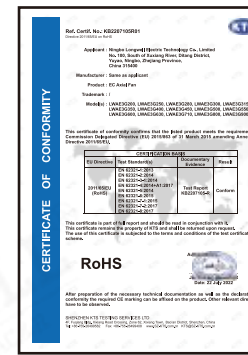
ISO 9001



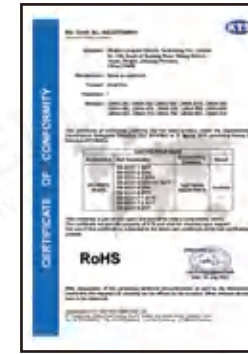
RoHS



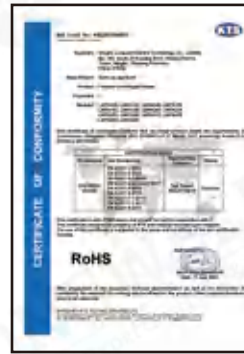
RoHS



RoHS



RoHS



RoHS



CE



CE



CE

Mainly Application

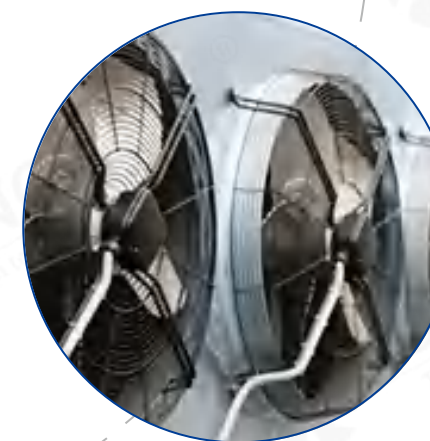
Building ventilation system/Workshop ventilation system/
Commercial air quality system/Tunnel ventilation/
Green house



Building Ventilation System



Workshop Ventilation System



Commercial Air Quality System



Green House



Tunnel Ventilation

Type Code

LW A A 2D 145 S - 5 M N W - 01

Series No.

B-With Connection Box
W-without connection Box

E-Standard grill P-with Panel
N-without Grill H-High Inlet Ring
G-Inlet Ring with square plate
(grill mount with plate)
K-Inlet Ring with square plate
(grill mount with inlet ring)
B-Flat Grill C- flat-concave grill
D-concave-flat grill Y-Pipeline type

P-Plastic M-Metal

Qty of Blades

S-Suction B-Blowing

Diameter of Impeller

2E-2Pole Single phase Motor 4E-4Pole Single Phase Motor
6E-6Pole Single phase Motor 6D-6Pole Three-phase Motor
8D-8Pole Three-phase Motor 3G-3 Phase EC Motor

A-AC D-DC E-EC

A-Axial Fan

Longwell

AC Axial Flow Fan

Professional HVAC Fan &Motors Manufacturer



LWAA-200 Serie

Product Characteristic

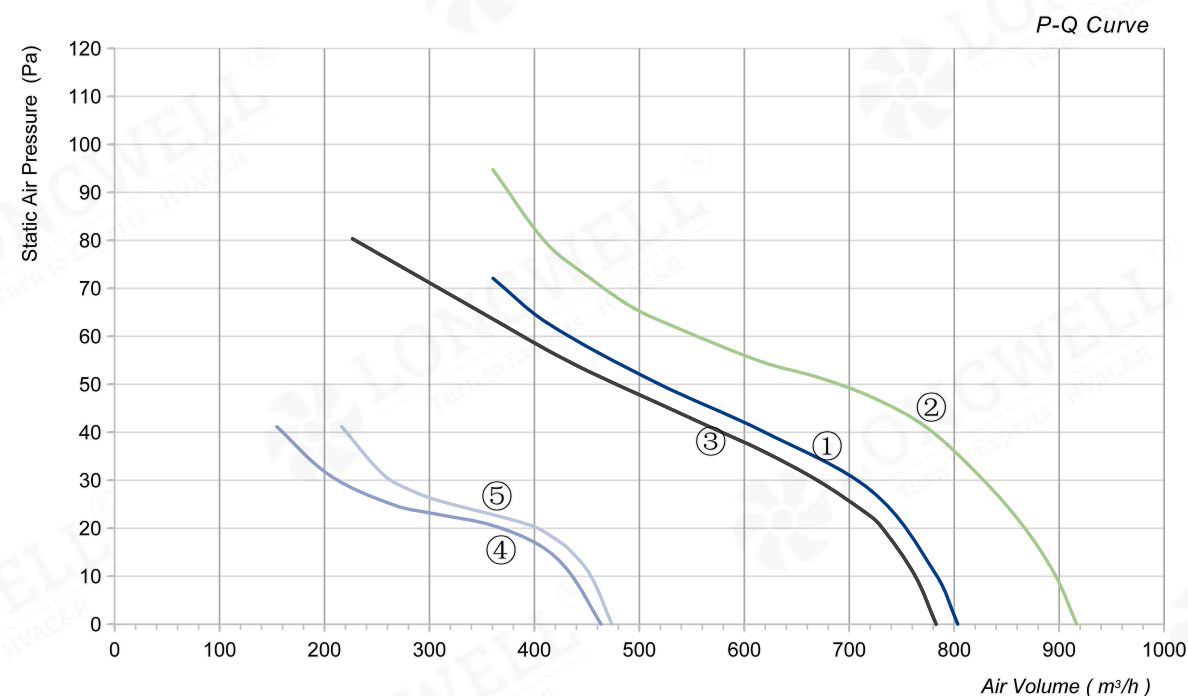
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

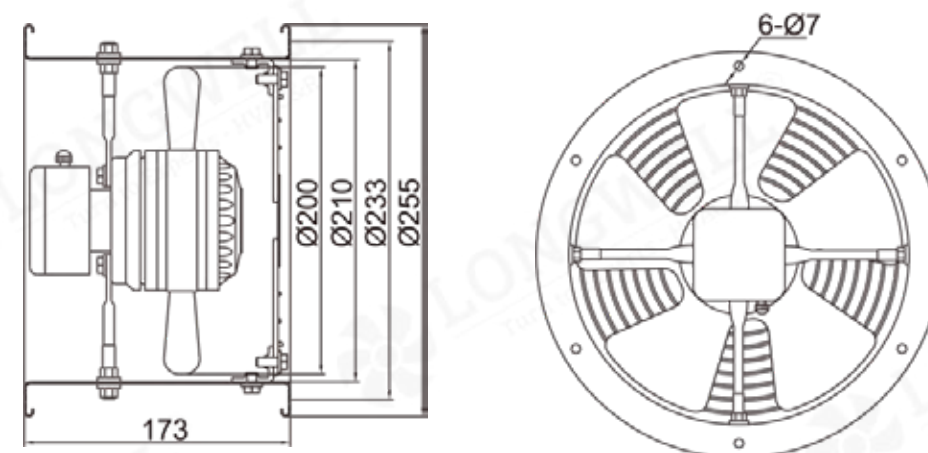


Technical Specifications

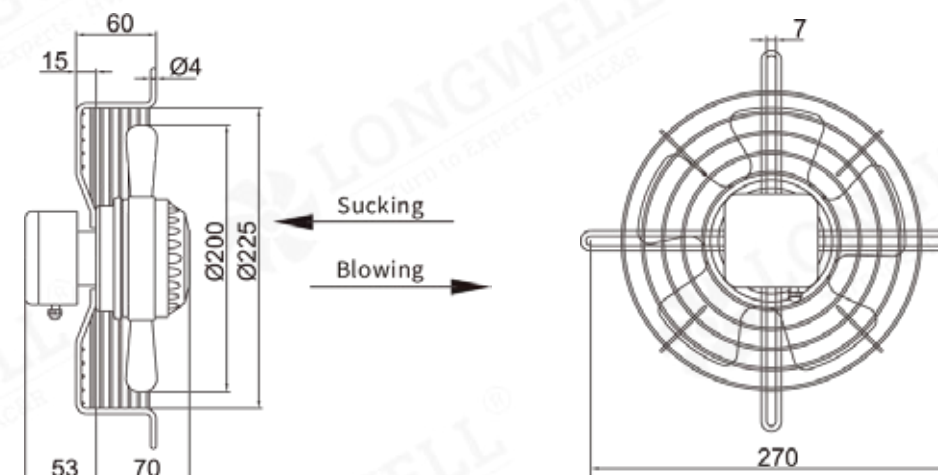
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E200S-5MEB-24	220	50	0.32	65	2450	793	72	2	55	①
LWAA2E200S-5MEB-20	220	60	0.35	77	2740	917	95	2	57	②
LWAA2D200S-5MEB-25	380	50	0.25	65	2500	803	80	/	56	③
LWAA4E200S-5MEB-19	220	50	0.21	40	1450	464	41	2	50	④
LWAA4D200S-5MEB-26	380	50	0.21	48	1470	474	41	/	50	⑤



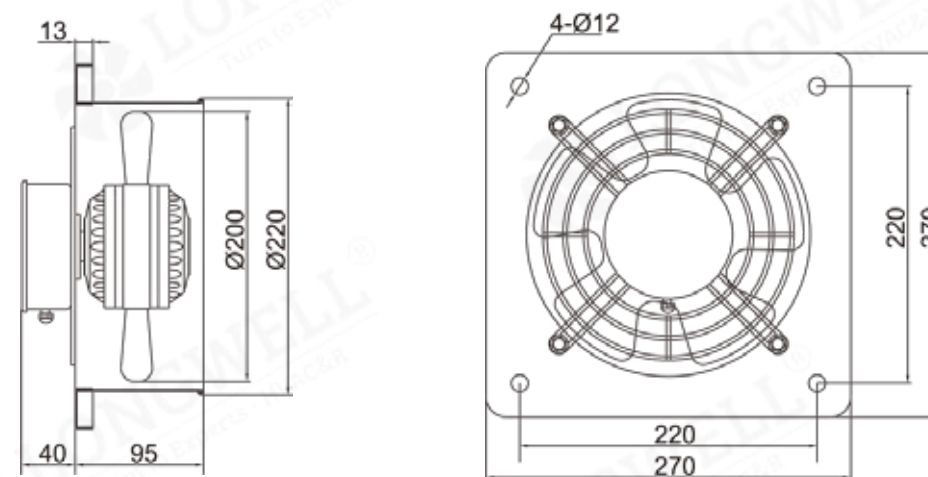
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-250 Serise

Product Characteristic

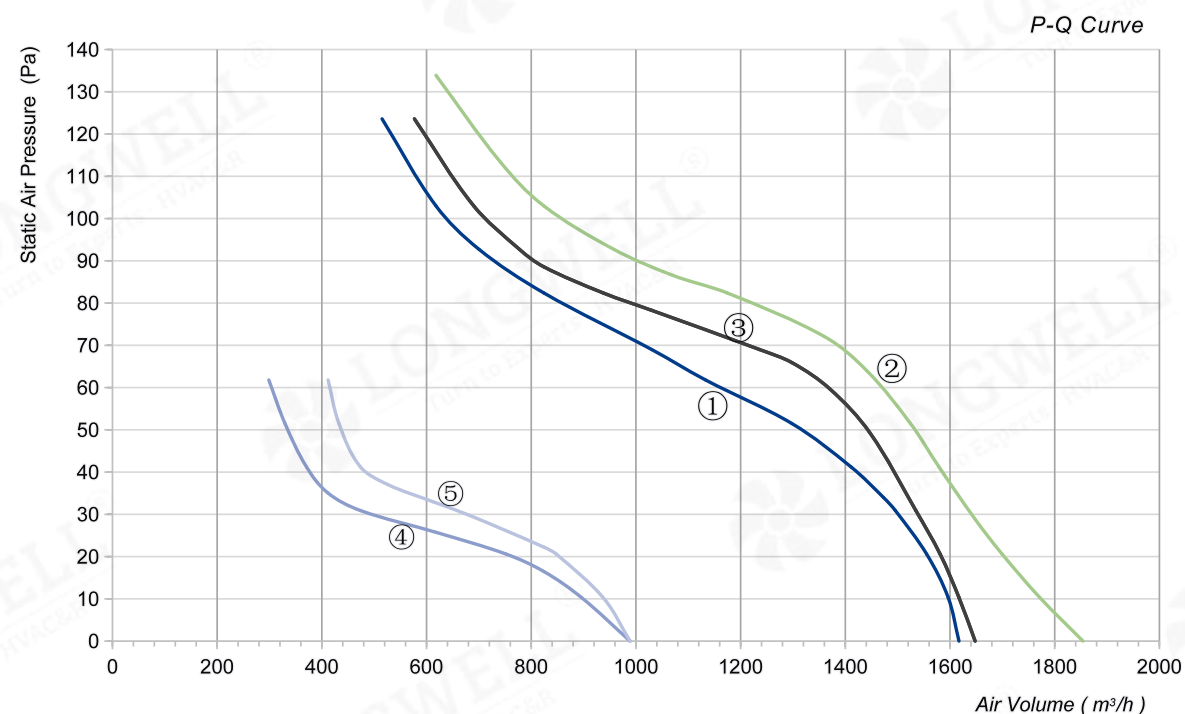
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

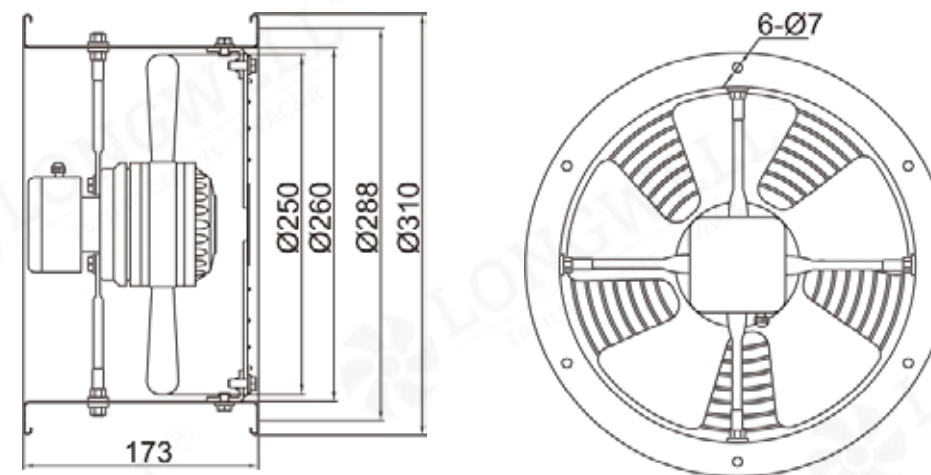


Technical Specifications

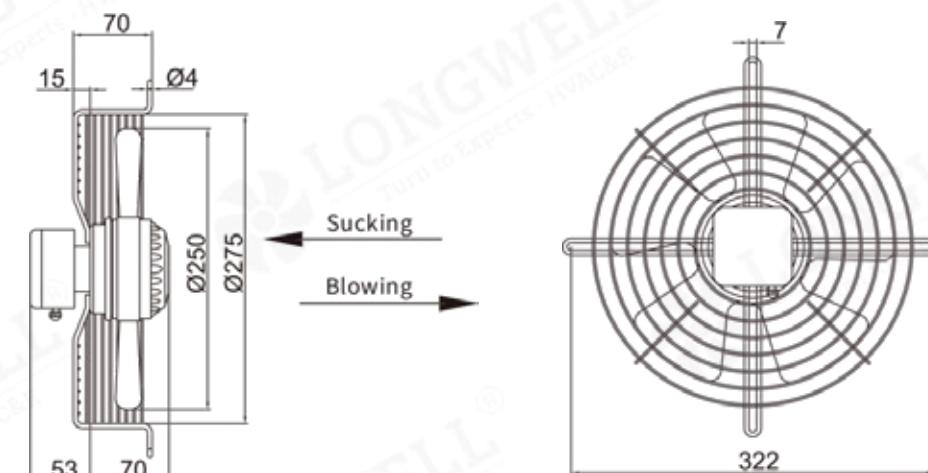
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E250S-5MEB-29	220	50	0.44	100	2550	1648	124	4	65	①
LWAA2E250S-5MEB-30	220	60	0.56	130	2780	1854	134	4	68	②
LWAA2D250S-5MEB-31	380	50	0.35	100	2530	1627	124	/	66	③
LWAA4E250S-5MEB-32	220	50	0.23	55	1450	906	62	2	55	④
LWAA4D250S-5MEB-33	380	50	0.21	55	1450	906	62	/	55	⑤



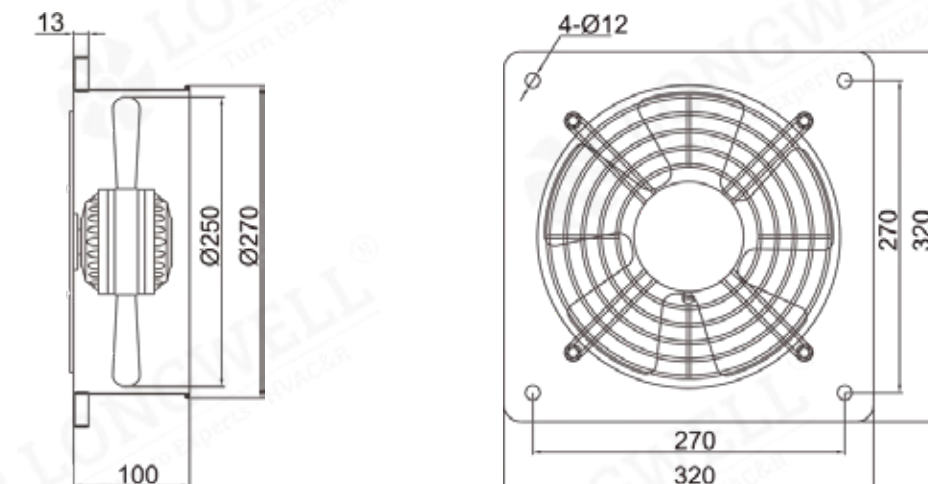
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-300 Serise

Product Characteristic

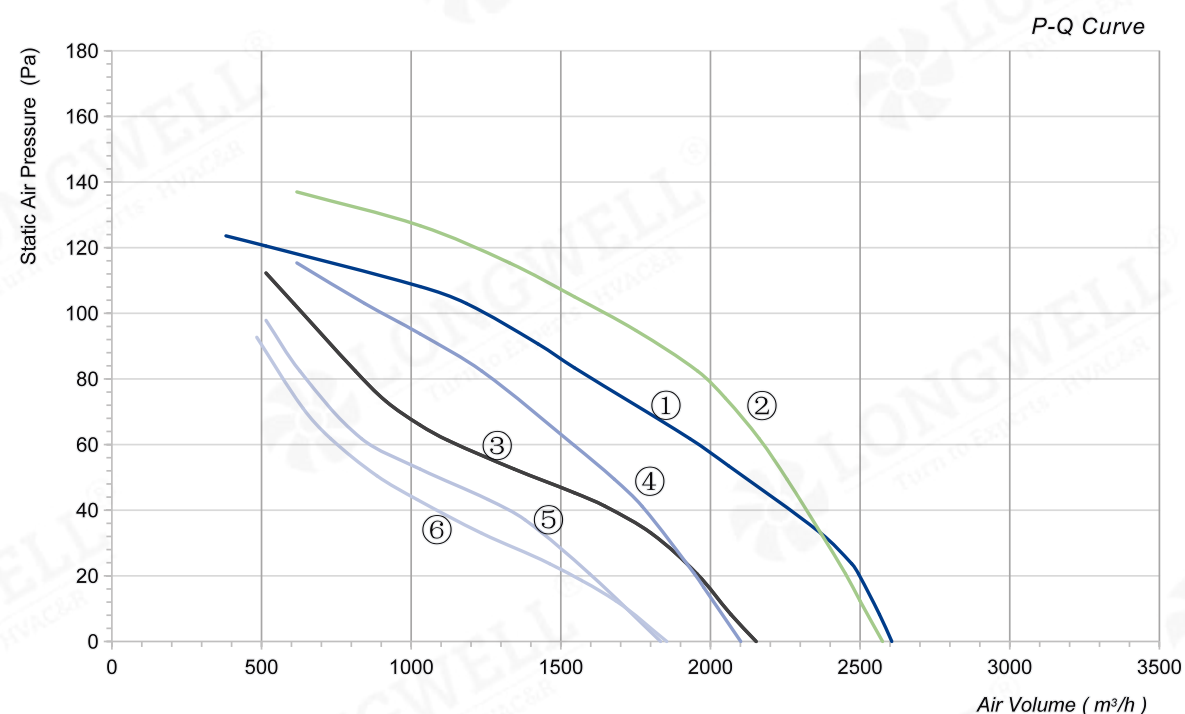
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

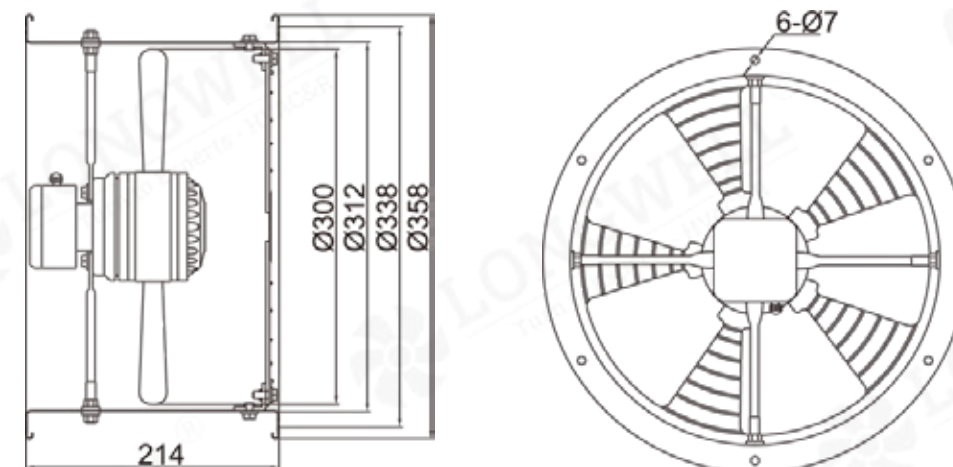


Technical Specifications

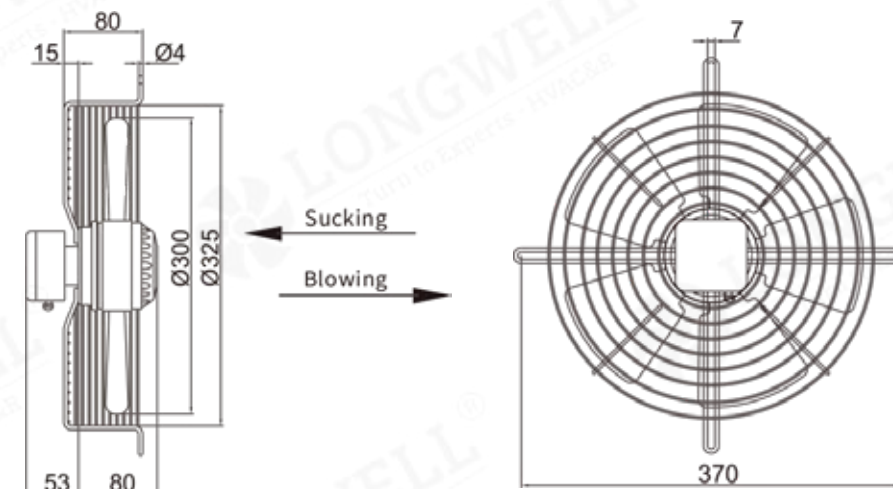
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E300S-5MEB-14	220	50	0.82	180	2350	2606	124	5	69	①
LWAA2D300S-5MEB-24	380	50	0.35	180	2300	2585	137	/	68	②
LWAA4E300S-5MEB-15	220	50	0.39	85	1350	1906	112	3	60	③
LWAA4E300S-5MEB-25	220	60	0.48	105	1510	2142	115	3	62	④
LWAA4D300S-5MEB-26	380	50	0.24	75	1370	1936	98	/	61	⑤
LWAA4D300S-5MEB-27	380	60	0.25	80	1550	2112	93	/	62	⑥



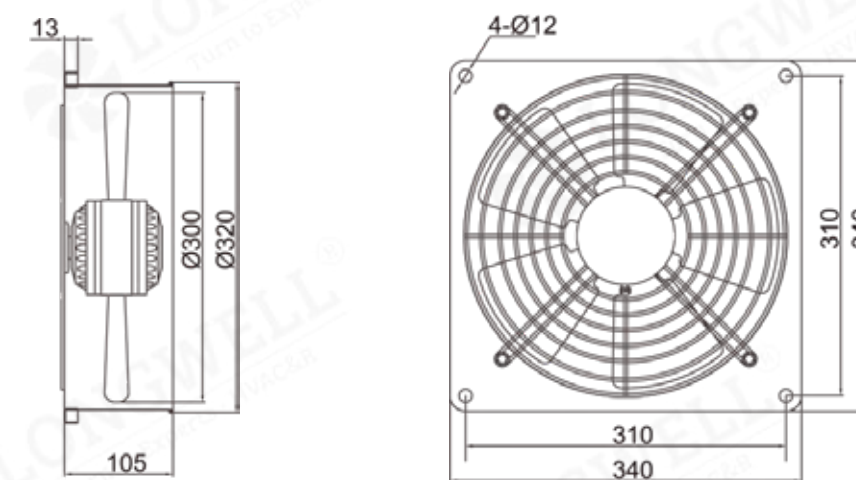
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-350 Serie

Product Characteristic

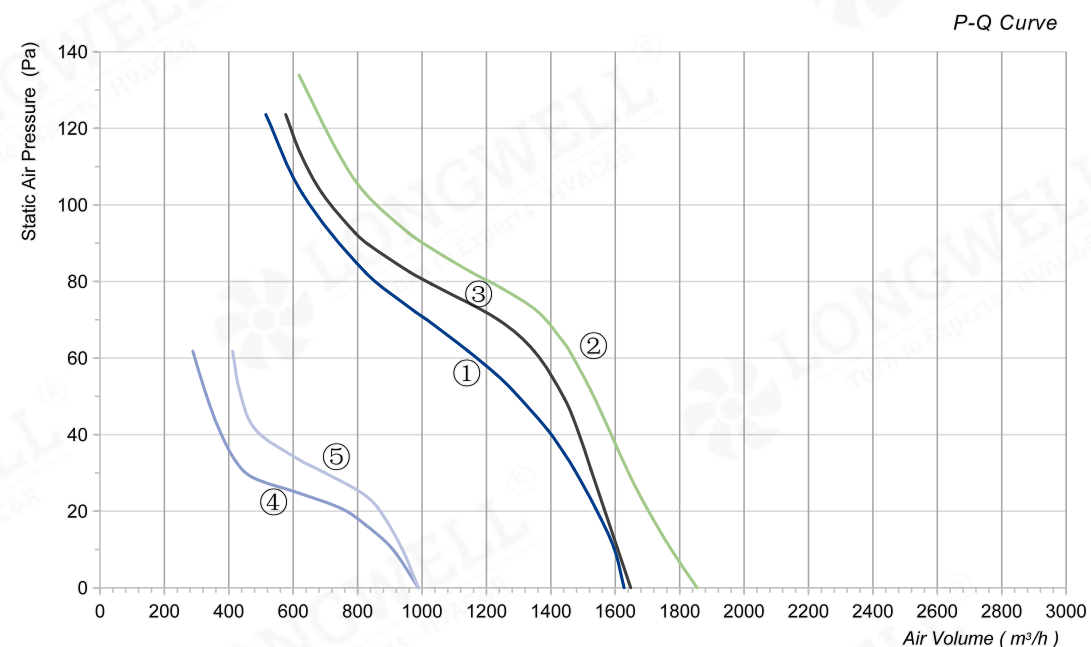
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

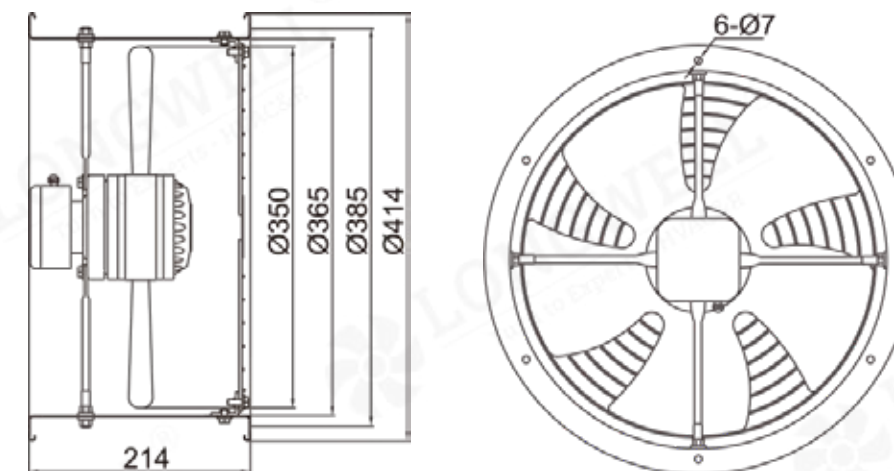


Technical Specifications

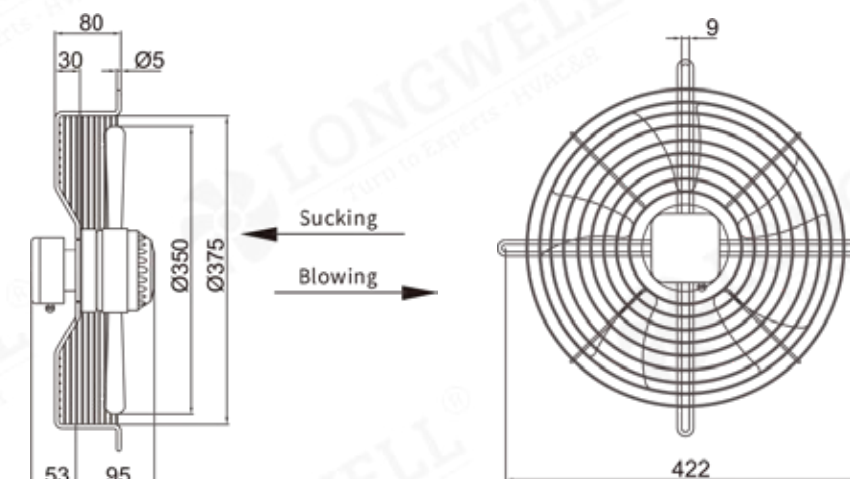
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E350S-5MEB-23	220	50	1.5	350	2350	3966	165	8	72	
LWAA2D350S-5MEB-24	380	50	0.8	350	2380	3976	165	/	73	
LWAA4E350S-5MEB-25	220	50	0.6	130	1380	2524	124	5	65	①
LWAA4E350S-5MEB-26	220	60	0.8	180	1530	2657	134	5	67	②
LWAA4D350S-5MEB-18	380	50	0.35	130	1400	2523	124	/	65	③
LWAA4D350S-5MEB-22	380	60	0.5	180	1550	2678	62	/	67	④
LWAA6E350S-5MEB-27	220	50	0.37	75	920	1772	62	3	53	⑤
LWAA6D350S-5MEB-28	380	50	0.3	80	960	1790	88	/	53	



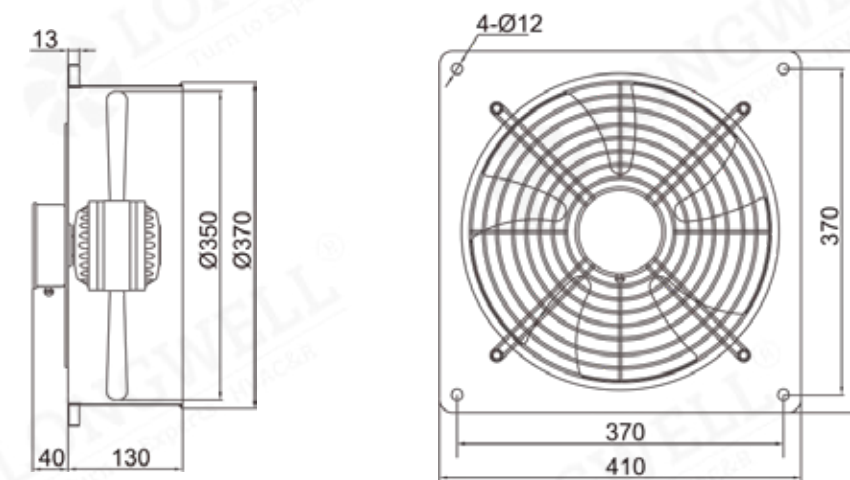
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-400 Serie

Product Characteristic

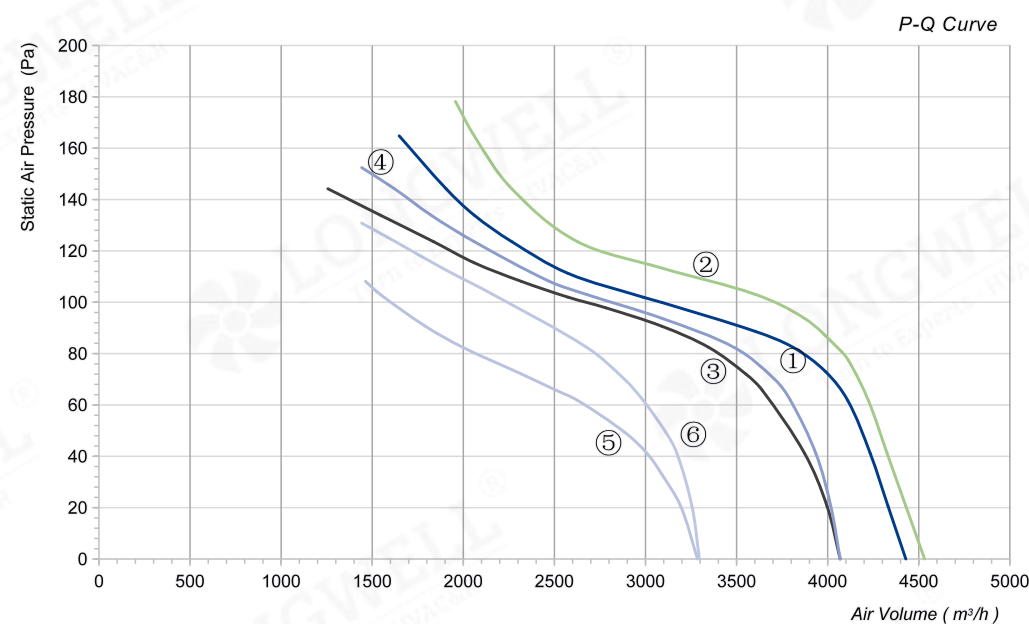
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

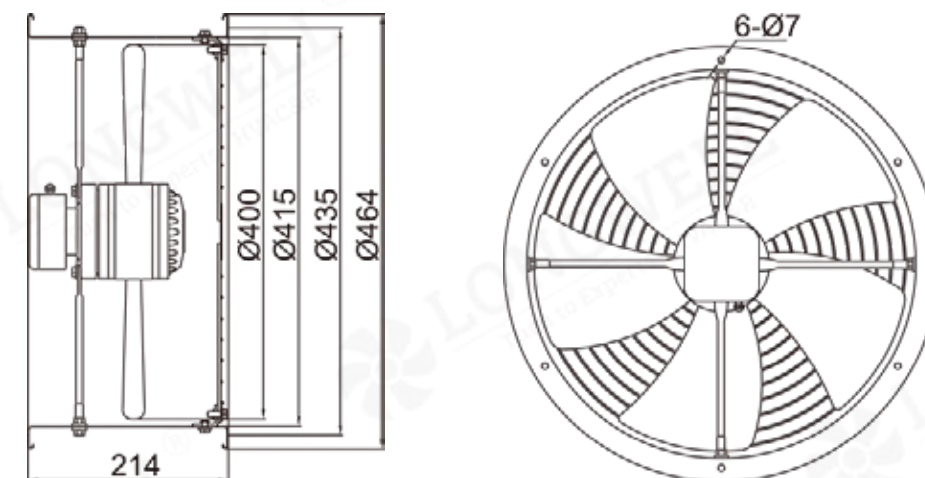


Technical Specifications

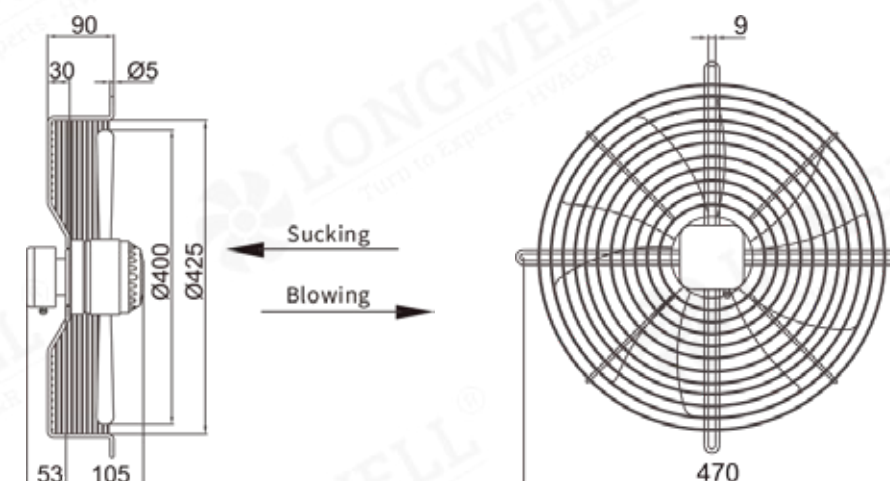
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E400S-5MEB-27	220	50	2.2	450	2350	5253	165	12	85	
LWAA2D400S-5MEB-28	380	50	1.1	450	2350	5253	165	/	85	
LWAA4E400S-5MEB-21	220	50	0.8	180	1380	4069	165	6	68	①
LWAA4E400S-5MEB-29	220	60	0.8	210	1550	4429	178	6	69	②
LWAA4D400S-5MEB-22	380	50	0.5	180	1400	4069	144	/	66	③
LWAA4D400S-5MEB-31	380	60	0.6	210	1600	4491	152	/	68	④
LWAA6E400S-5MEB-32	220	50	0.51	105	920	3275	108	4	55	⑤
LWAA6D400S-5MEB-33	380	50	0.35	105	960	3306	131	/	55	⑥



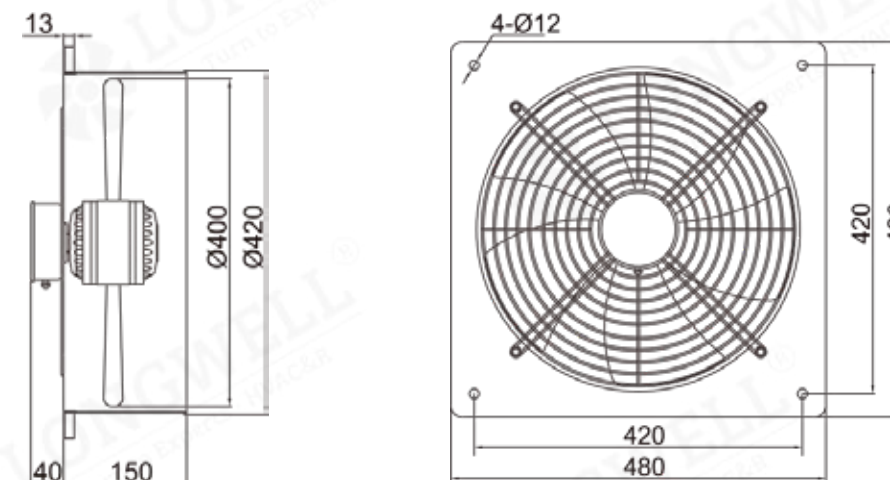
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-450 Serie

Product Characteristic

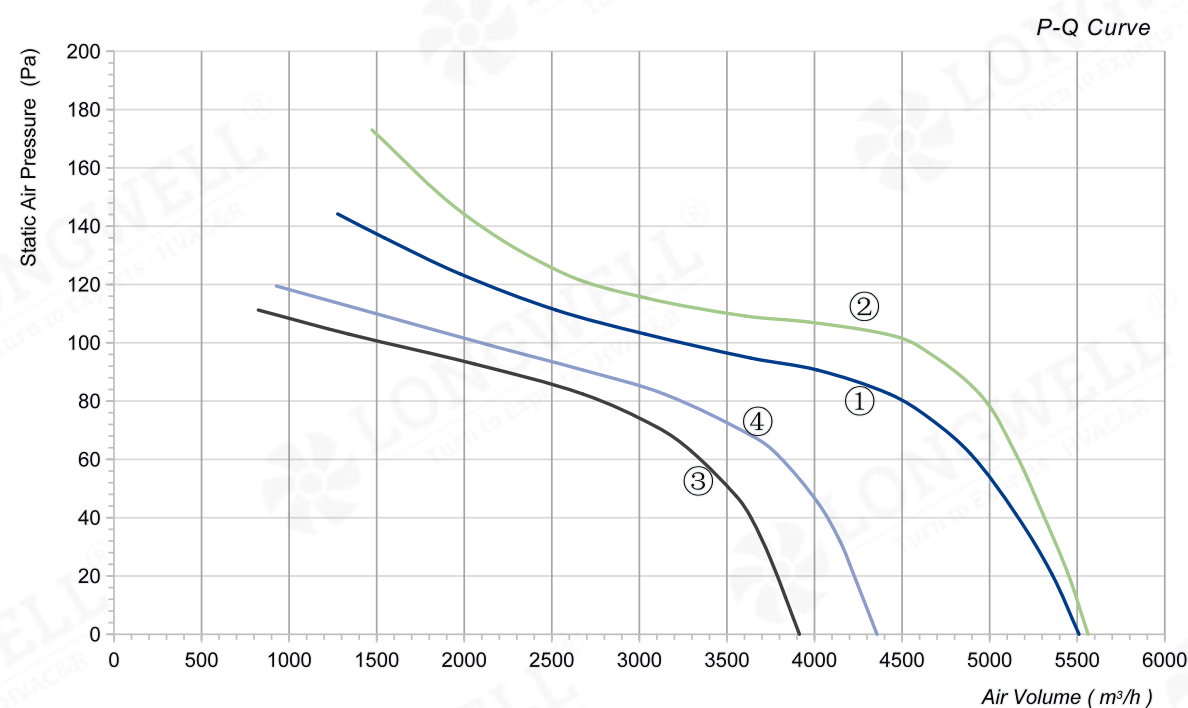
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

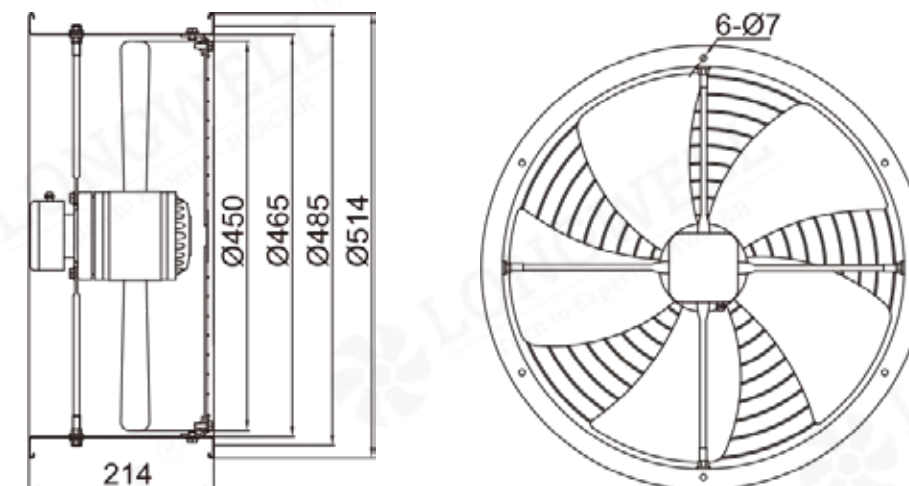


Technical Specifications

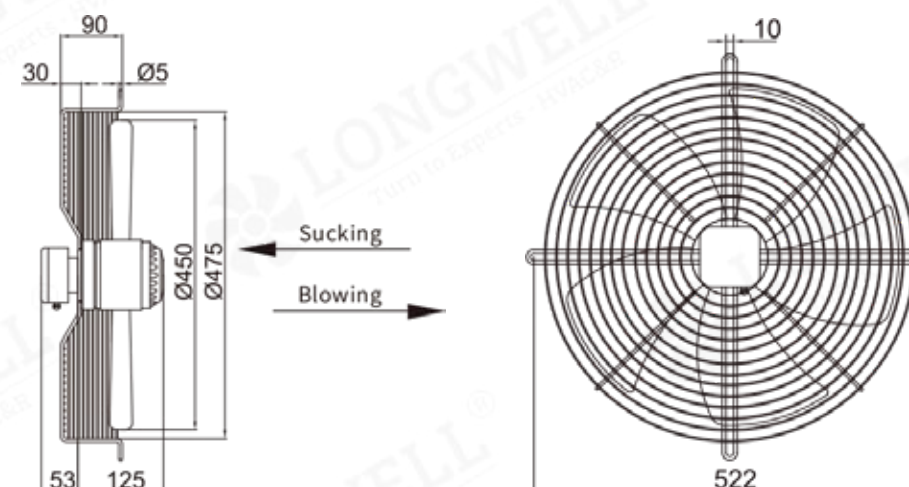
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E450S-5MEB-31	220	50	0.98	230	1380	5511	144	8	68	①
LWAA2D450S-5MEB-32	380	50	0.55	260	1390	5583	173	/	69	②
LWAA4E450S-5MEB-33	220	50	0.75	138	920	3899	111	6	55	③
LWAA4E450S-5MEB-34	380	50	0.42	150	960	4341	119	/	57	④



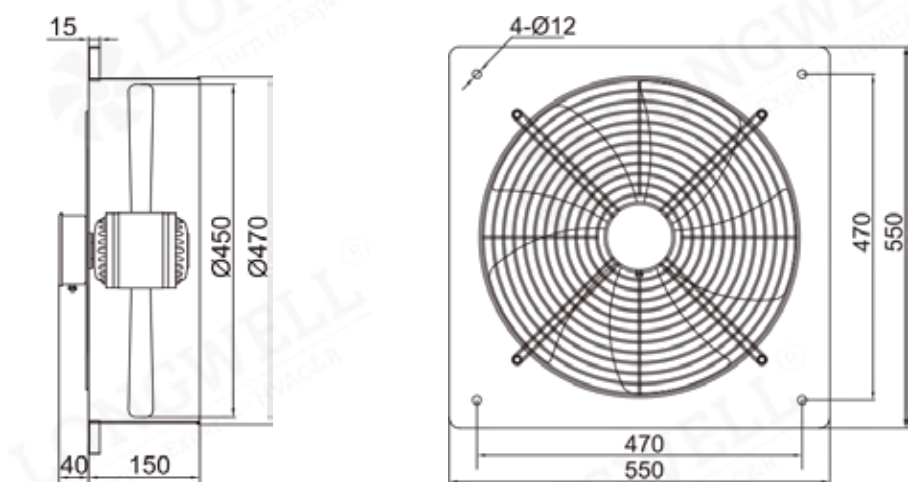
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-500 Serie

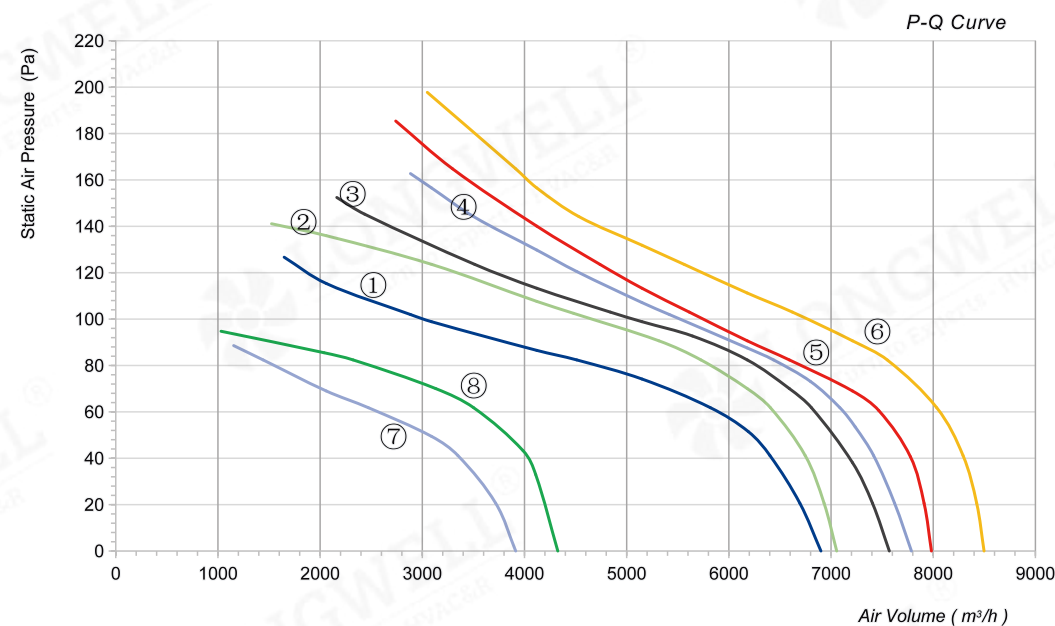
Product Characteristic

- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

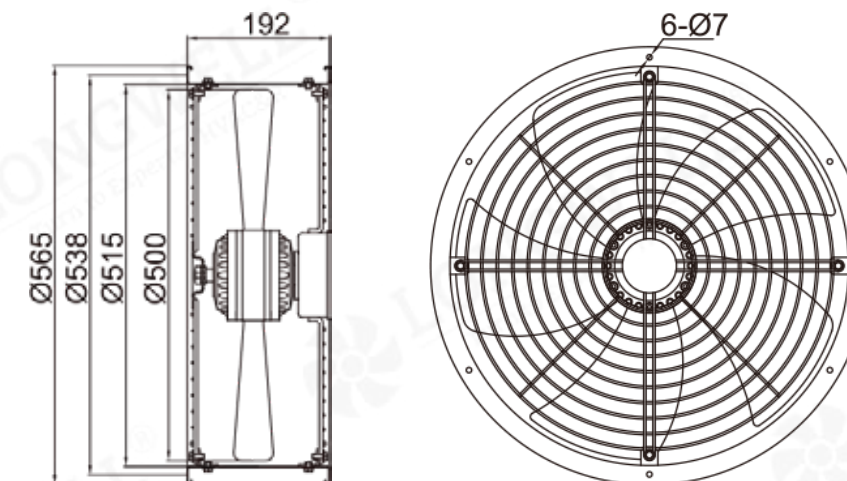


Technical Specifications

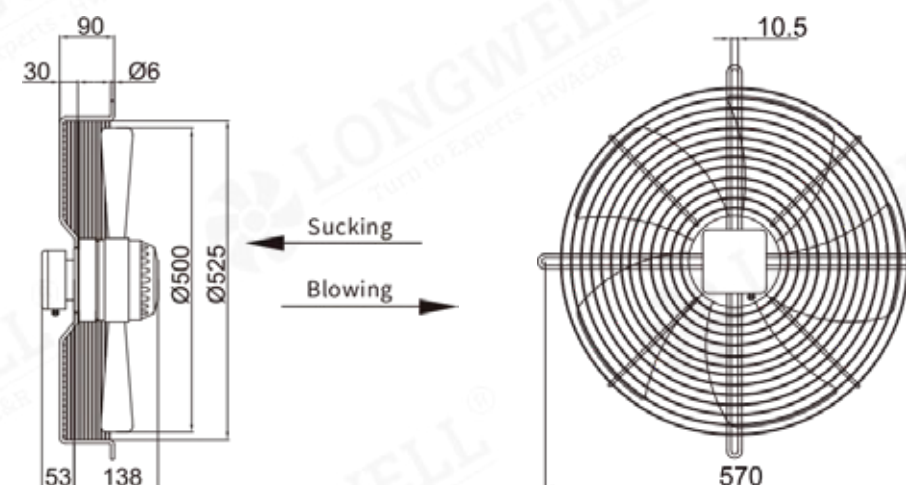
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA4E500S-5MEB-16	220	50	1.6	350	1380	6515	127	8	69	①
LWAA4D500S-5MEB-17	380	50	0.88	350	1390	6541	141	/	70	②
LWAA4D500S-5MEB-18	380	60	0.8	450	1550	7370	152	/	72	③
LWAA4E500S-5MEB-19	220	50	2.1	450	1380	7468	163	15	70	④
LWAA4D500S-5MEB-13	380	50	1.1	450	1390	7548	185	/	71	⑤
LWAA4D500S-5MEB-20	380	60	1.0	550	1550	8369	198	/	75	⑥
LWAA6E500S-5MEB-21	220	50	1.05	230	900	5871	89	10	58	⑦
LWAA6D500S-5MEB-22	380	50	0.9	210	960	6026	95	/	59	⑧



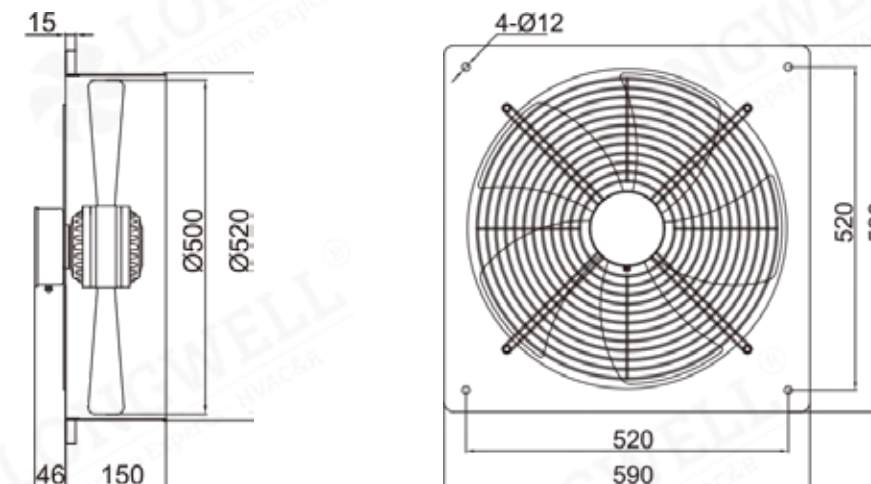
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-550 Serie

Product Characteristic

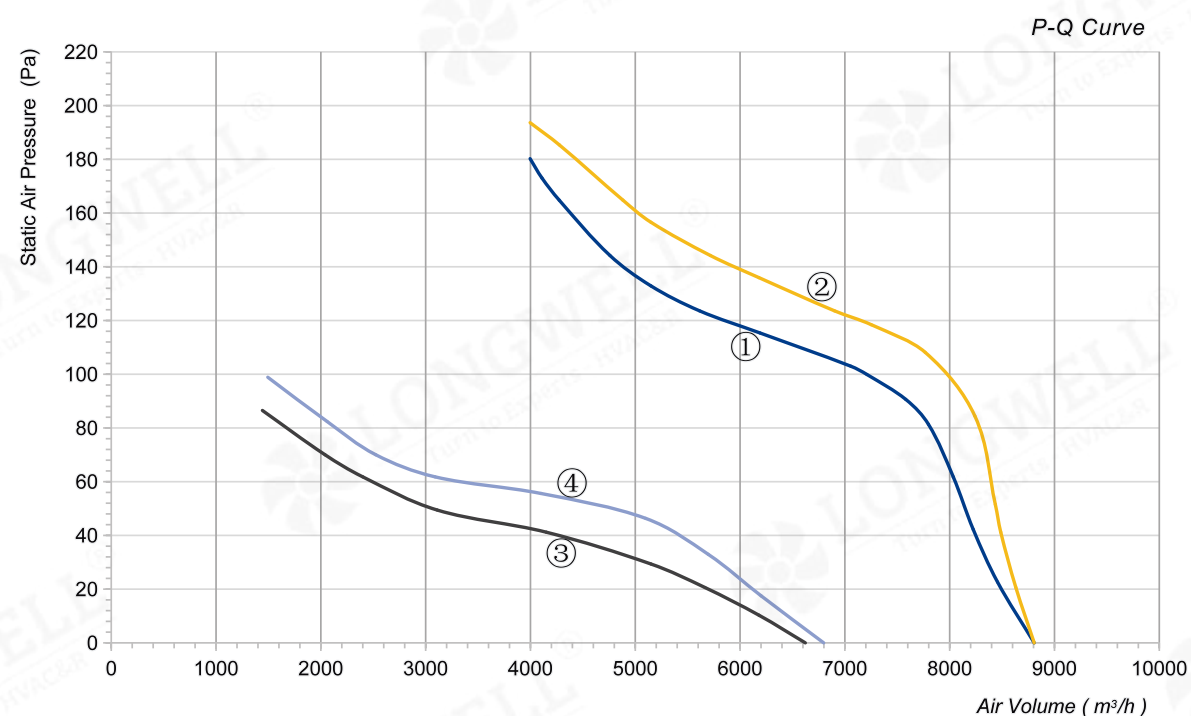
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

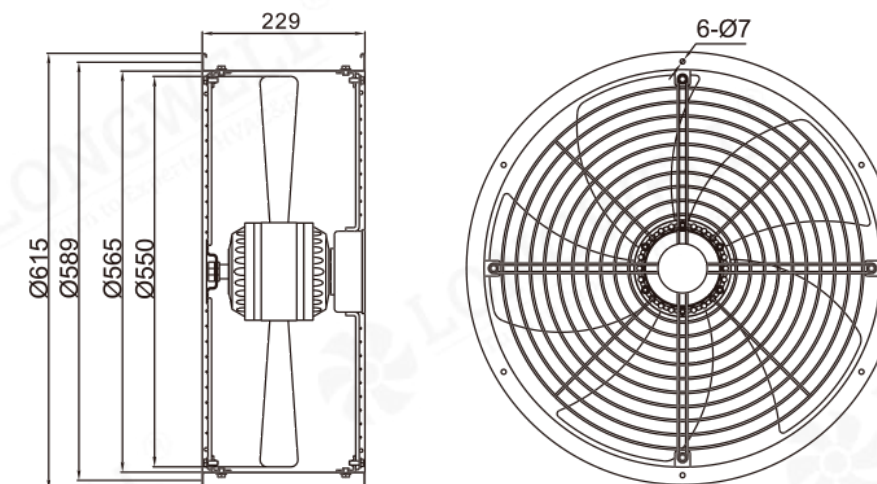


Technical Specifications

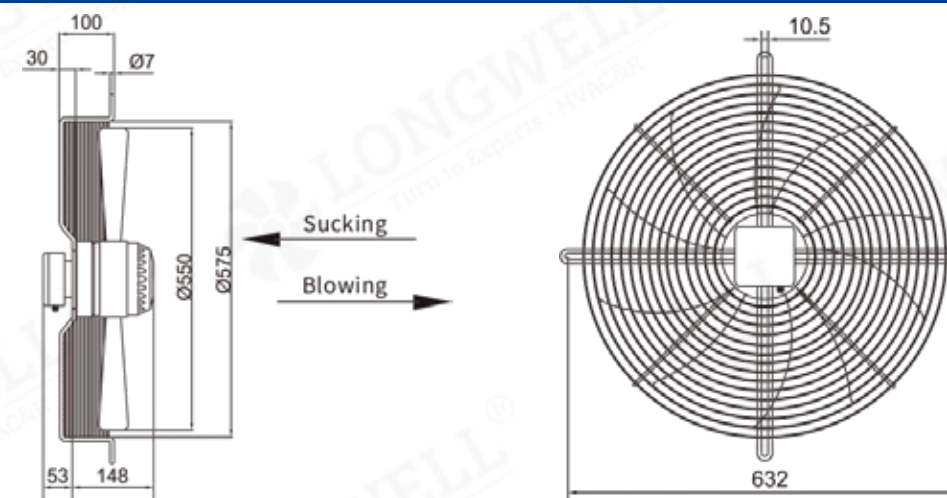
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA2E550S-5MEB-11	220	50	2.8	650	1350	8817	180	15	72	①
LWAA2D550S-5MEB-12	380	50	1.5	650	1350	8817	194	/	72	②
LWAA4E550S-5MEB-13	220	50	1.45	310	900	6674	87	10	65	③
LWAA4E550S-5MEB-14	380	50	0.9	330	920	6803	99	/	66	④



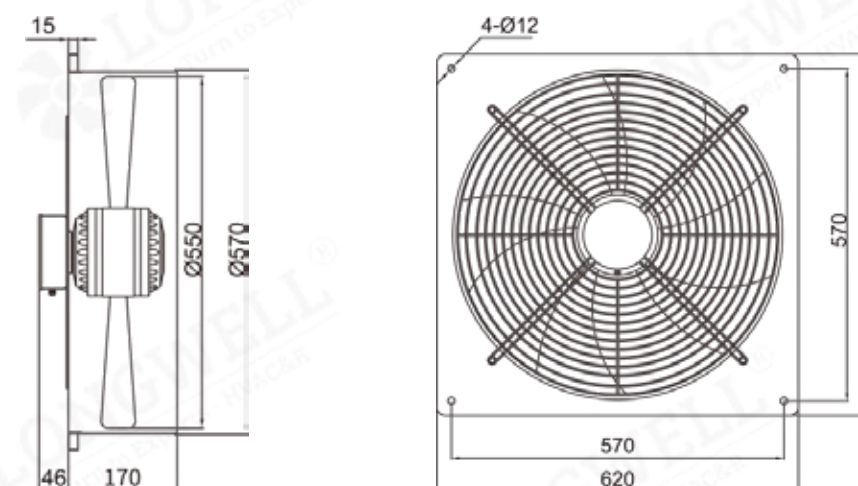
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-600 Serise

Product Characteristic

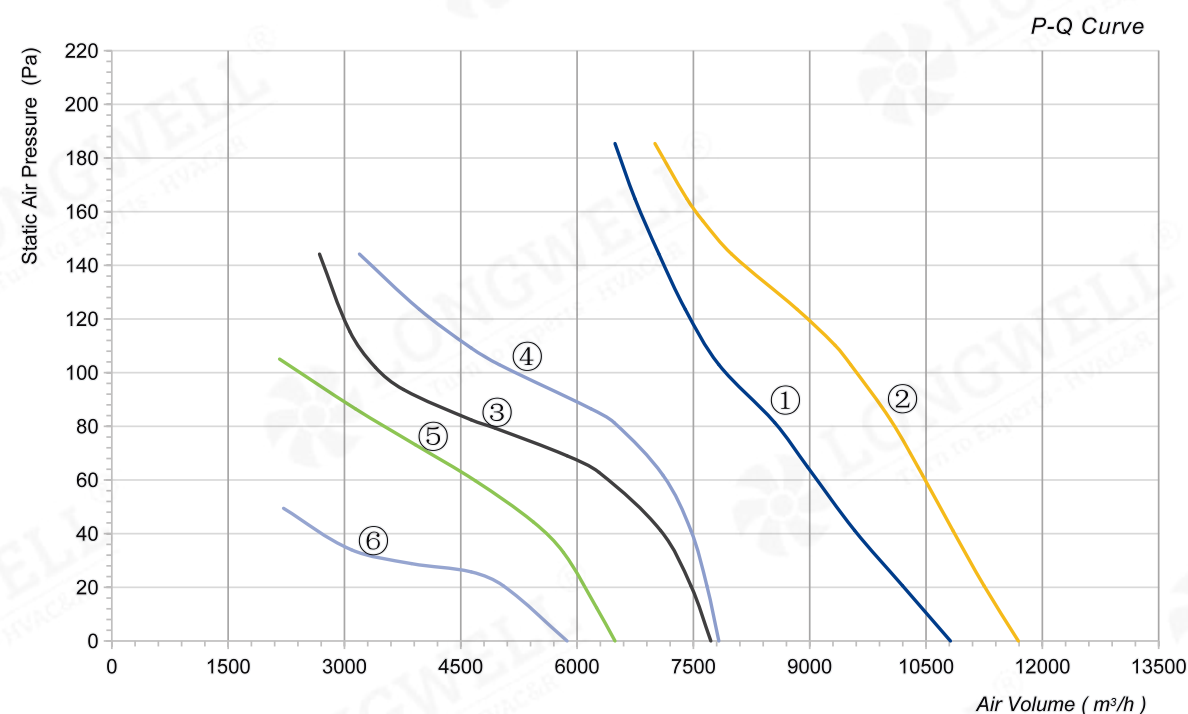
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

CE RoHS compliant ENEC BSCI ISO EAC LVD

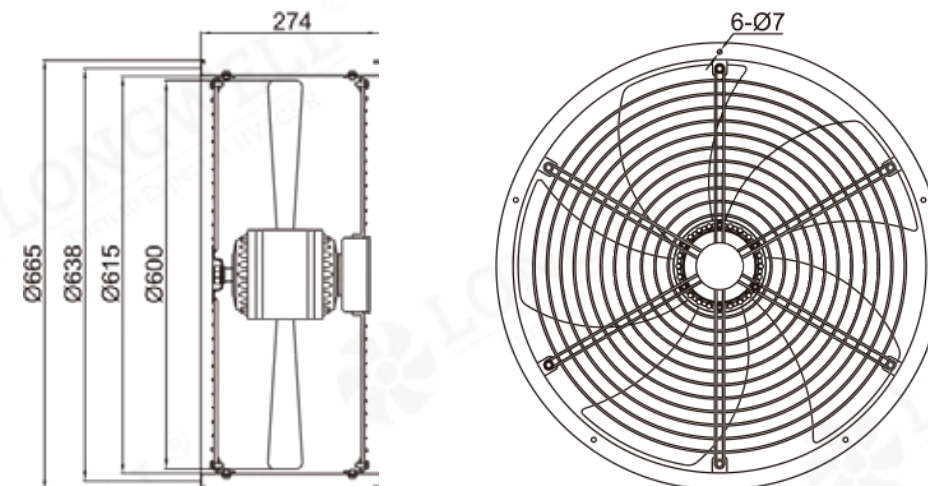


Technical Specifications

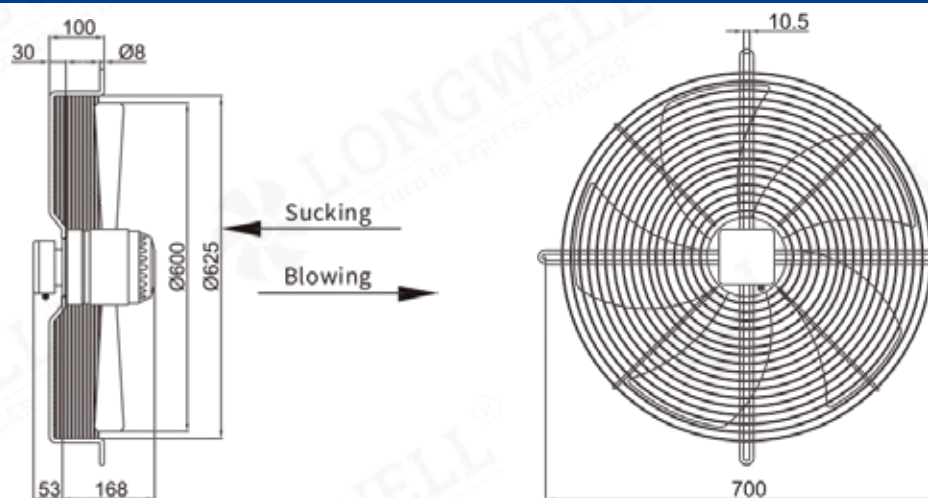
Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA4E600S-5MEB-12	220	50	3.7	800	1350	10836	185	15	75	①
LWAA4D600S-5MEB-13	380	50	1.9	860	1380	11464	185	/	76	②
LWAA6E600S-5MEB-14	220	50	2.45	480	900	7874	144	12	70	③
LWAA6E600S-5MEB-15	380	60	1.4	500	920	7931	144	/	72	④
LWAA8D600S-5MEB-16	380(Δ)	50	0.65	215	680	6468	105	/	56	⑤
LWAA8D600S-5MEB-17	380(Y)	60	0.28	135	560	5747	49	/	52	⑥



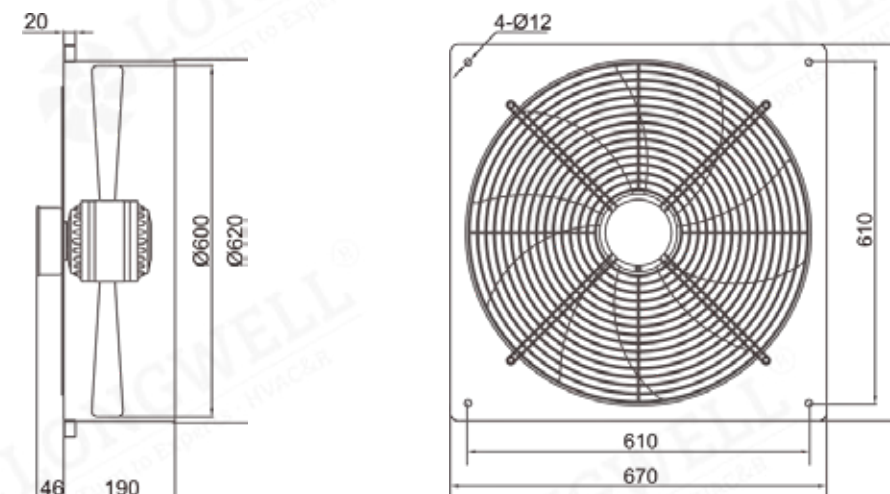
Pipeline Type Axial Fan



Axial Fan with Grid



Square Axial Fan



LWAA-630 Serise

Product Characteristic

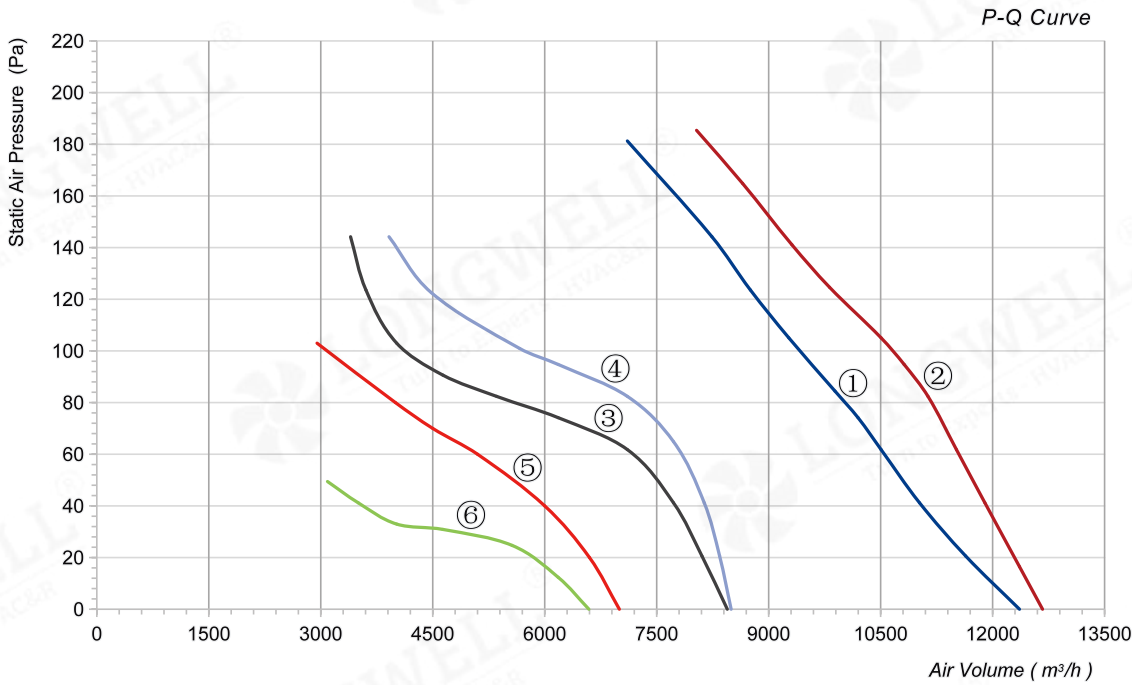
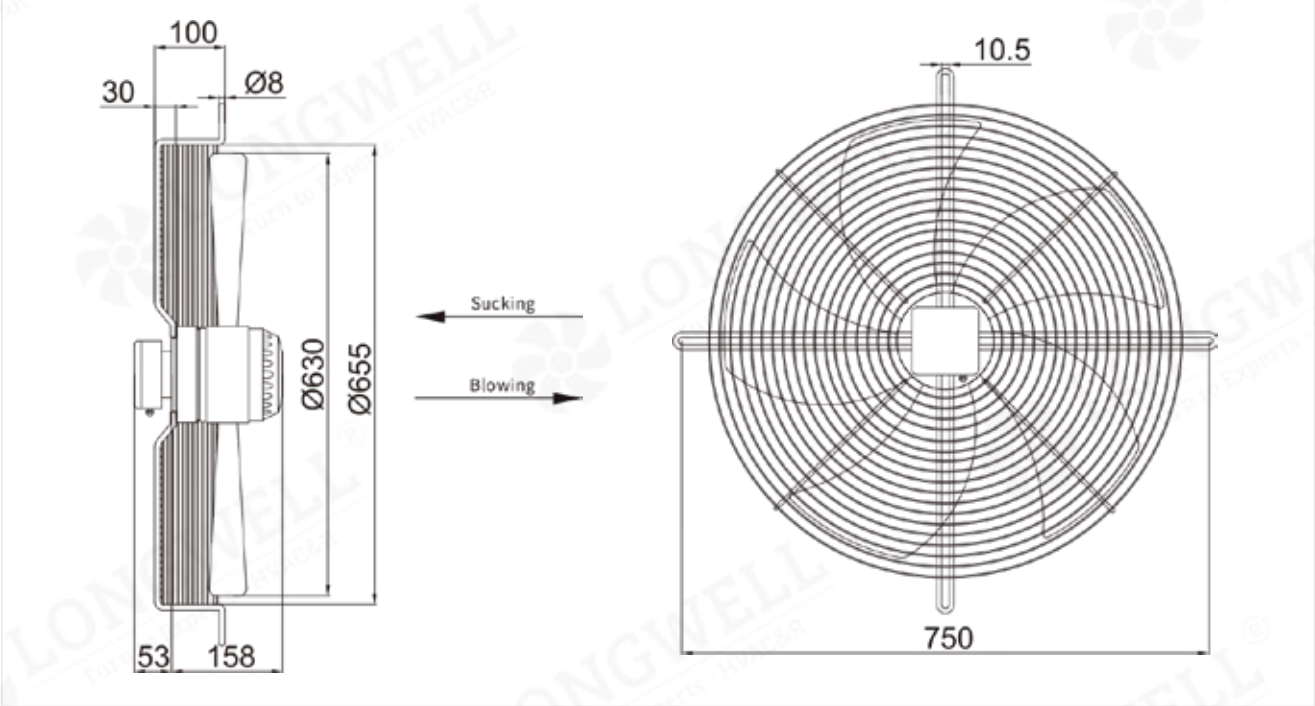
- Blades : Cold rolled steel
- Number of Blades: 5
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA4E630S-5MEB-19	220	50	3.7	800	1350	12221	181	15	75	①
LWAA4D630S-5MEB-20	380	50	1.9	860	1380	12854	185	/	76	②
LWAA6E630S-5MEB-21	220	50	2.55	520	900	8403	144	12	70	③
LWAA6E630S-5MEB-22	380	60	1.45	550	920	8425	144	/	72	④
LWAA8D630S-5MEB-23	380(Δ)	50	0.65	220	680	7674	106	/	56	⑤
LWAA8D630S-5MEB-24	380(Y)	60	0.3	140	560	6438	49	/	53	⑥

Mounting Dimensions



LWAA-710 Serie

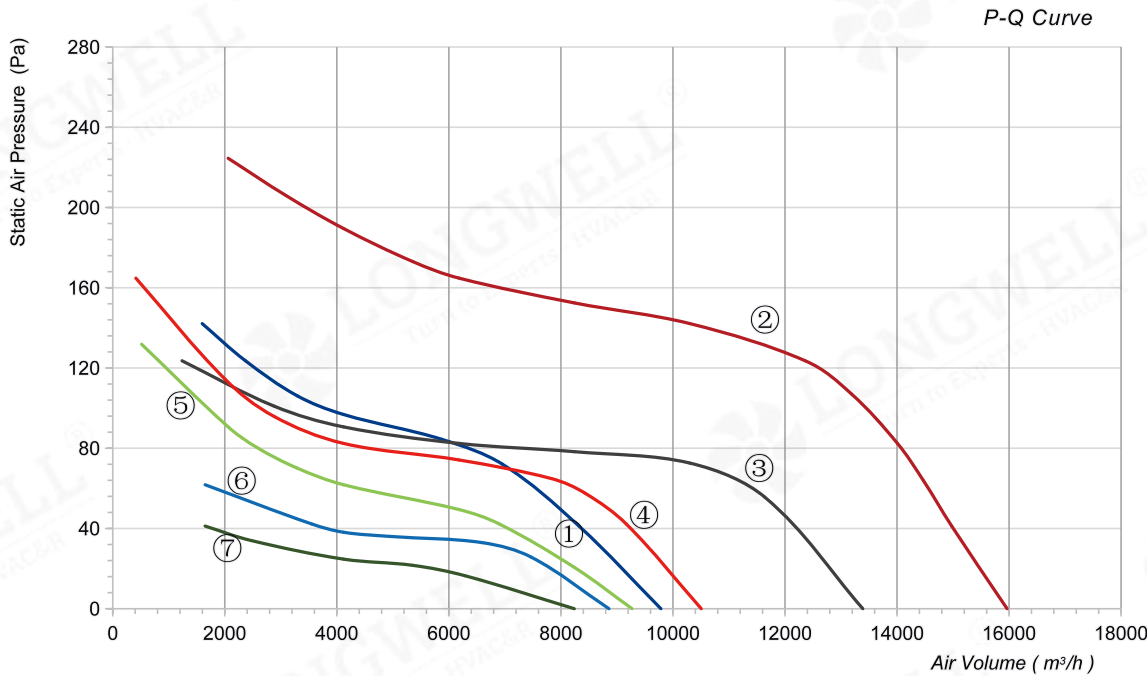
Product Characteristic

- Blades : Cold rolled steel
- Number of Blades: 7
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C

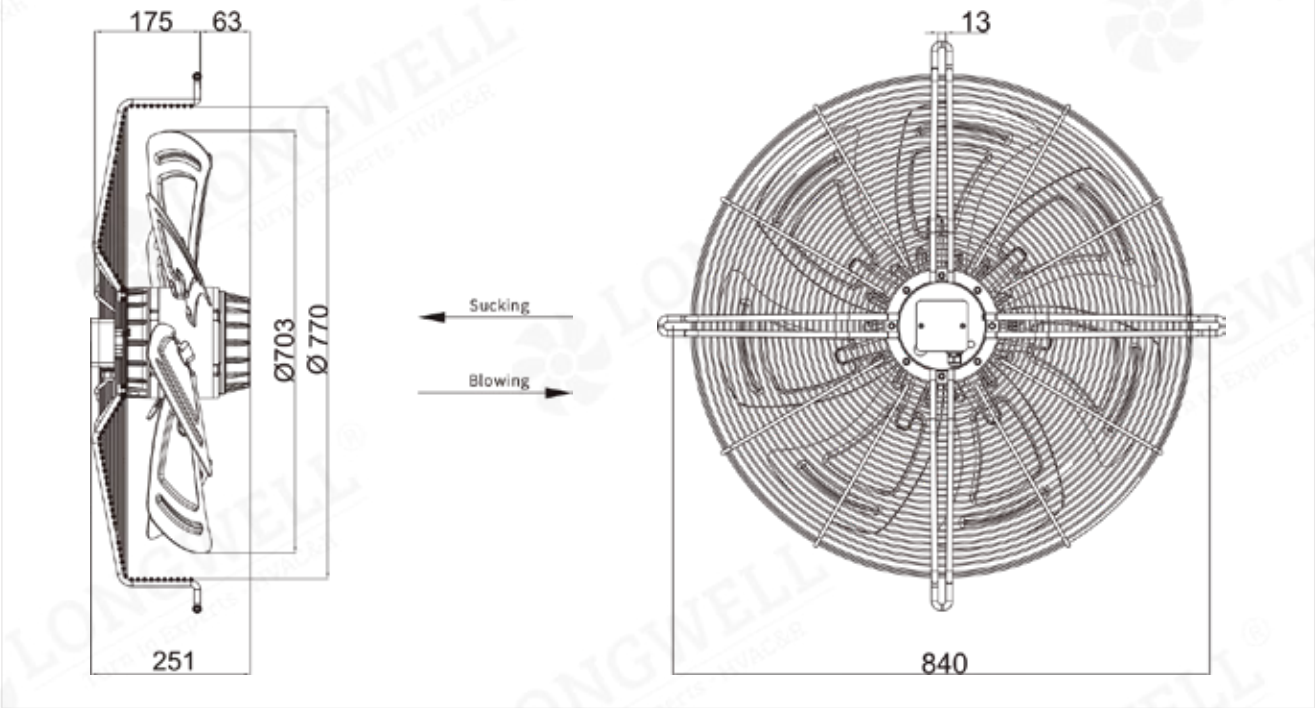


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA6D710S-7MEB-11	380	50	1.5	550	920	9976	142	/	70	①
LWAA6D710S-7MEB-12	380(Δ)	50	2.8	1200	920	17510	225	/	73	②
LWAA6D710S-7MEB-13	380(Y)	50	1.13	660	735	13400	124	/	72	③
LWAA8D710S-7MEB-14	380(Δ)	50	0.9	370	690	11248	165	/	68	④
LWAA8D710S-7MEB-15	380(Y)	50	0.55	290	580	9847	132	/	63	⑤
LWAA12D710S-7MEB-16	380(Δ)	50	1.45	310	470	8930	62	/	60	⑥
LWAA12D710S-7MEB-17	380(Y)	50	0.5	170	425	8230	41	/	58	⑦



Mounting Dimensions



LWAA-800 Serie

Product Characteristic

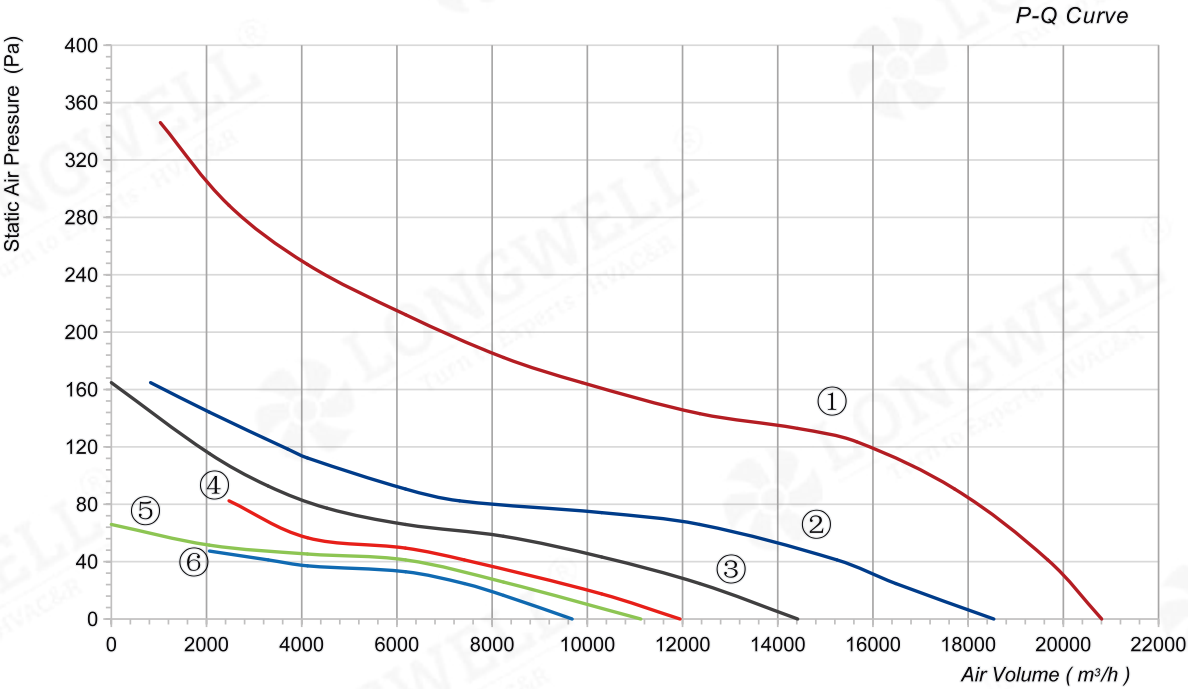
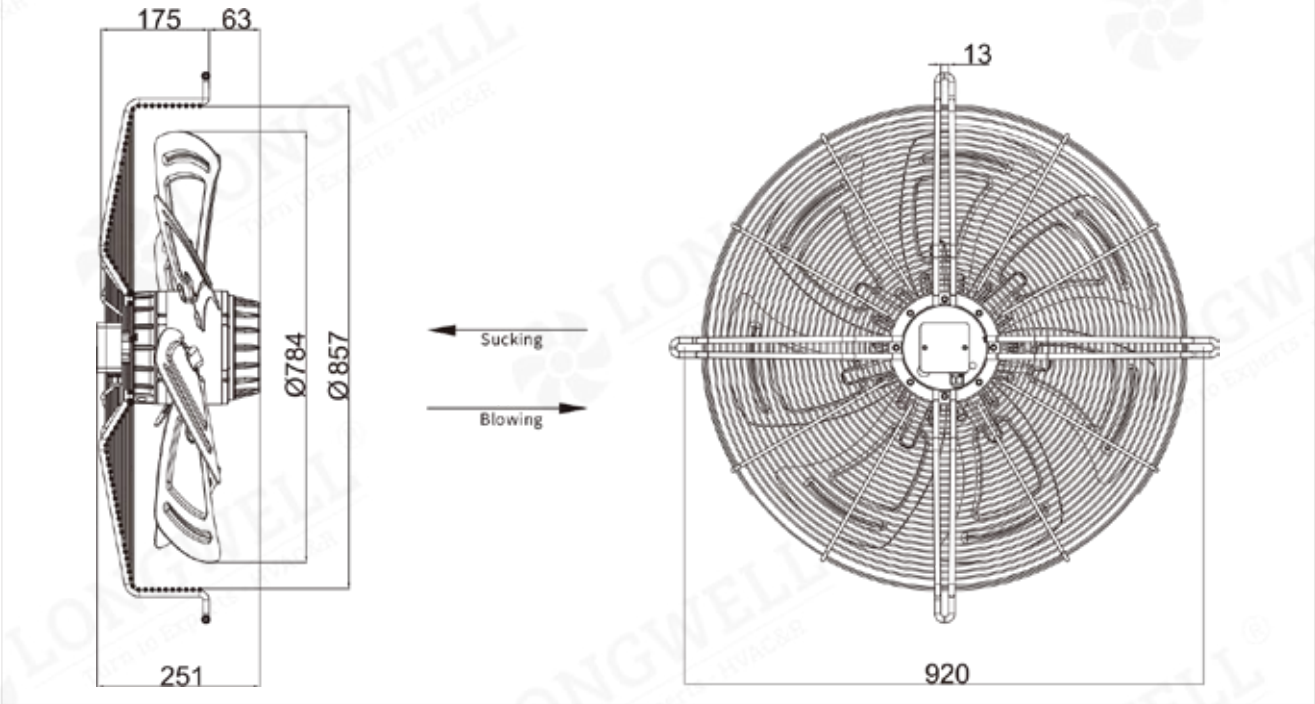
- Blades : Cold rolled steel
- Number of Blades: 7
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA6D800S-7MEB-08	380(Δ)	50	2.88	1200	920	21197	346	/	73	①
LWAA6D800S-7MEB-09	380(Y)	50	1.68	930	770	18180	165	/	72	②
LWAA8D800S-7MEB-10	380(Δ)	50	1.1	500	660	14549	165	/	68	③
LWAA8D800S-7MEB-11	380(Y)	50	0.65	350	525	11979	82	/	63	④
LWAA12D800S-7MEB-12	380(Δ)	50	1.38	350	470	11098	66	/	60	⑤
LWAA12D800S-7MEB-13	380(Y)	50	0.55	220	415	10084	47	/	58	⑥

Mounting Dimensions



LWAA-910 Serise

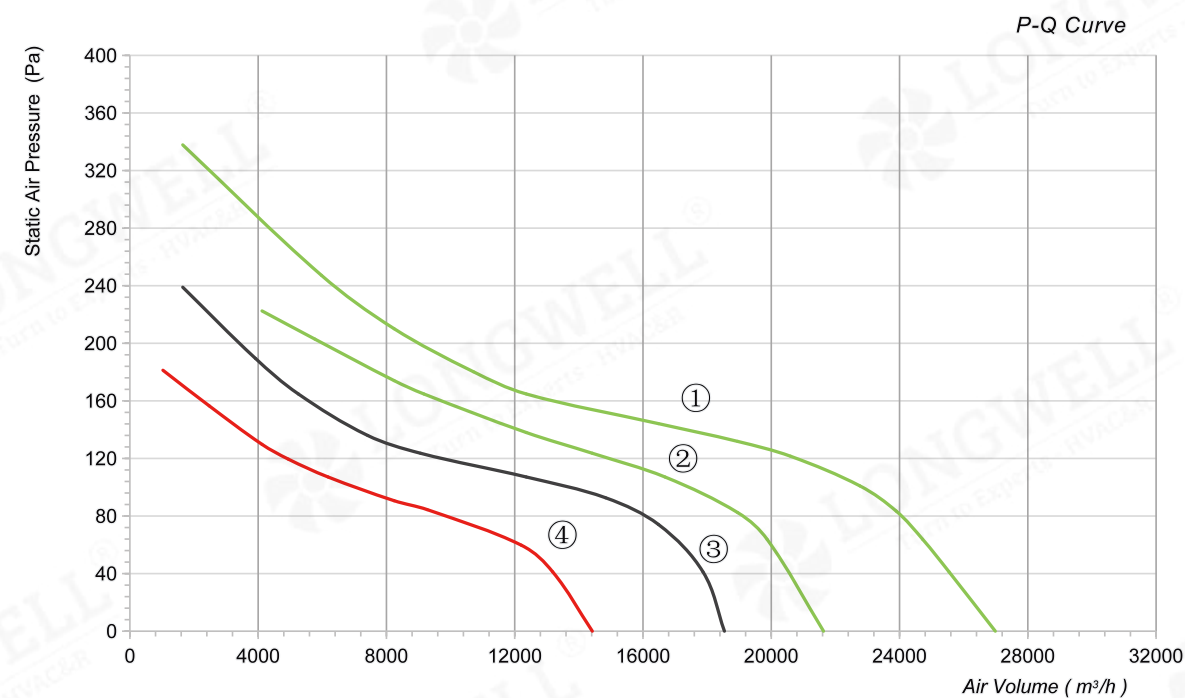
Product Characteristic

- Blades : Cold rolled steel
- Number of Blades: 7
- Mode of Operation: S1
- Type of Protection: IP44/IP54
- Insulation Class: B/F
- Operation Temperature: -30~+60 C



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Air Volume (m³/h)	Static pressure (Pa)	Capacitor (uF)	Noise [dB(A)]	Curve
LWAA6D910S-5MEB-05	380(Δ)	50	4.7	2450	920	27295	338	/	73	①
LWAA6D910S-5MEB-06	380(Y)	50	2.6	1550	770	21888	222	/	72	②
LWAA8D910S-5MEB-07	380(Δ)	50	2.45	1050	650	18973	239	/	73	③
LWAA8D910S-5MEB-08	380(Y)	50	1.25	580	470	13648	181	/	72	④



Mounting Dimensions

