Engineered for the Critical

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



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

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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

—— Cross Flow Fan

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

Ningbo Longwell Electric Technology Co., Ltd
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About Longwell

The Ventilation and Drive Technology Partner for Mission-Critical Environments

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

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

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

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

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

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

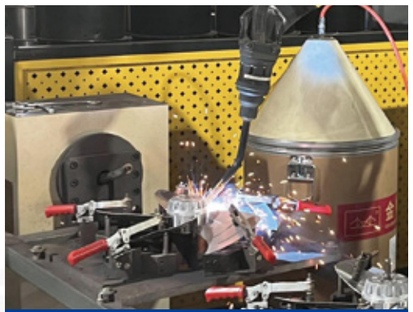
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

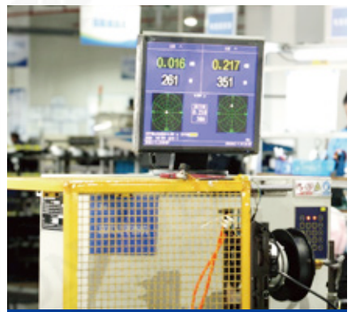
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193	40000㎡	500+	1Million+PCS	6	50+
Staff	Floor Space	Branding Clients	Annual Outputs	Overseas Offices on Spot Support	Members R&D Team


B&K Noise Testing Lab


Production Line

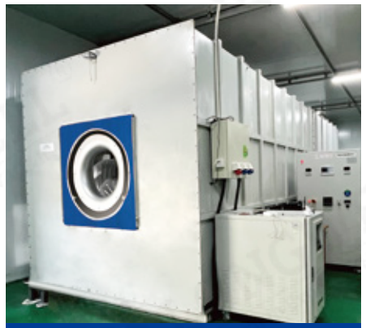

Automatic Welding


Balance Machine


Automatic Welding Machine


Production Line - Centrifugal Fan


Automatic CNC Machine


Air Dynamic Test Lab


Production Line - Axial Fans


Production Line

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Testing and Standards

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







Enterprise Credit Evaluation Certificate - Hightest Level in China

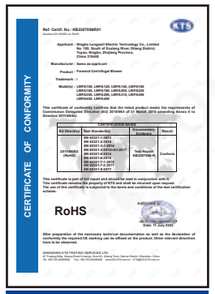

Own-Brand


Own-Brand


ETL


ETL

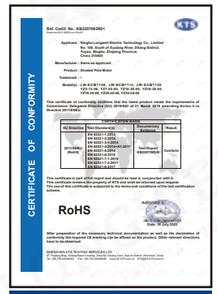

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL


ETL


CE


CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

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Tailored Fan Solutions



Longwell has extensive experience supplying fan solutions for floor heating systems, trusted by major brands across Europe and North America. We offer tailored cross flow fan combinations in various lengths and diameters to ensure 100% performance match with your system design. Proven models are available for customization upon request:

30 Series	40 Series	45 Series	65 Series	81 Series
LWCD-30610MN-**	LWCD-40700MN-**	LWCD-45630MG-**	LWCD-65435MG-**	LWCD-81440MG-**
LWCD-30718MN-**	LWCD-40920MN-**	LWCD-45750MG-**	LWCD-65620MG-**	LWCD-81650MG-**
LWCD-30920MN-**	LWCD-40610MN-**	LWCD-45950MG-**	LWCD-65880MG-**	LWCD-81860MG-**
LWCD-301082MN-**	LWCD-40610MN-**	LWCD-451100MG-**		
	LWCD-401055MN-**			

Speed Regulator

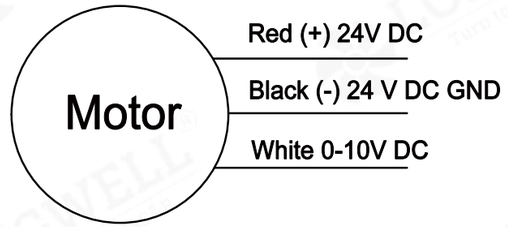


Thermostat

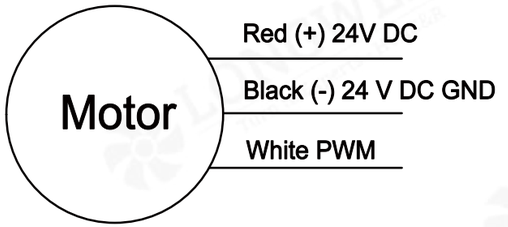


Speed Regulator

Connection Method



0-10V Speed Control



PWM Speed Control

Heating Elements



Heating Elements(Metal)



Heating Elements for CFF

Type Code

LW C A 30 300 S N - 01

- LW-Longwell
- Fan type:Cross flow fan
- Voltage:A-AC D-DC E-EC
- Diameter of rotor
- Length of air outlet / Length of impeller
- Voltage:S-230V U-115V L-12V M-24V H-48V
- G-With Grid N-No Grid
- Series Number:01-99

N-No Grid



G-With Grid



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DC Cross Flow Fan

Professional HVAC Fan &Motors Manufacturer



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LWCD-30 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



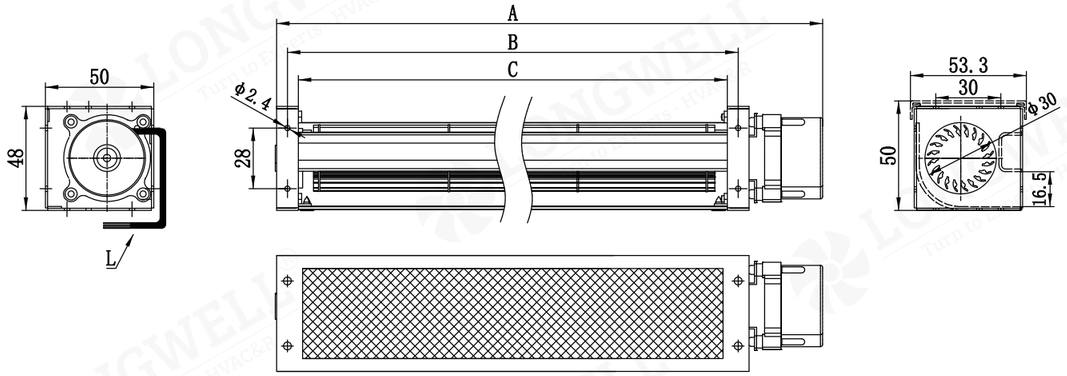
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-3090LN-06	152	108	98	12	0.09	2400	12	27	26	Single
LWCD-3090MN-07	152	108	98	24	0.04	2400	12	27	26	Single
LWCD-30150LN-06	214	170	160	12	0.1	2400	13	43	27	Single
LWCD-30150MN-07	214	170	160	24	0.05	2400	13	43	27	Single
LWCD-30190LN-06	252	208	198	12	0.1	2400	14	55	29	Single
LWCD-30190MN-07	252	208	198	24	0.05	2400	14	55	29	Single
LWCD-30250LN-06	302	258	248	12	0.11	2400	14	67	32	Single
LWCD-30250MN-07	302	258	248	24	0.06	2400	14	67	32	Single
LWCD-30290LN-06	354	310	300	12	0.12	2400	15	85	33	Single
LWCD-30290MN-07	354	310	300	24	0.07	2400	15	85	33	Single
LWCD-30310MN-06	364	320	310	24	0.07	2400	15	85	33	Single
LWCD-30350LN-06	406	362	352	12	0.13	2400	16	105	34	Single
LWCD-30350MN-07	406	362	352	24	0.08	2400	16	105	34	Single
LWCD-30420LN-06	474	430	420	12	0.14	2400	17	125	34	Single
LWCD-30420MN-07	474	430	420	24	0.09	2400	17	125	34	Single
LWCD-30420MN-09	474	430	420	24	0.1	2600	17	125	34	Single

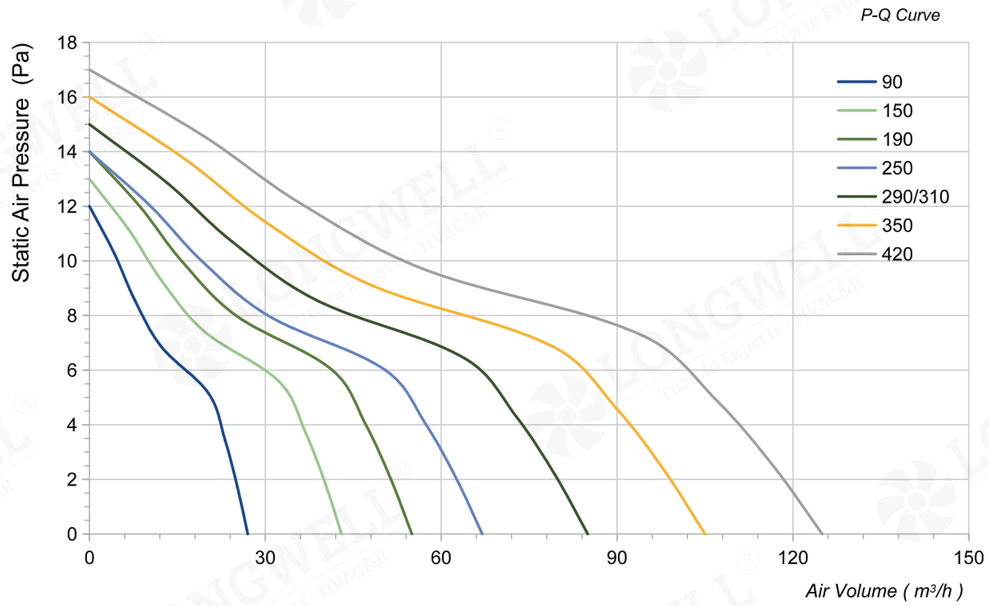
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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

LWCD-30 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



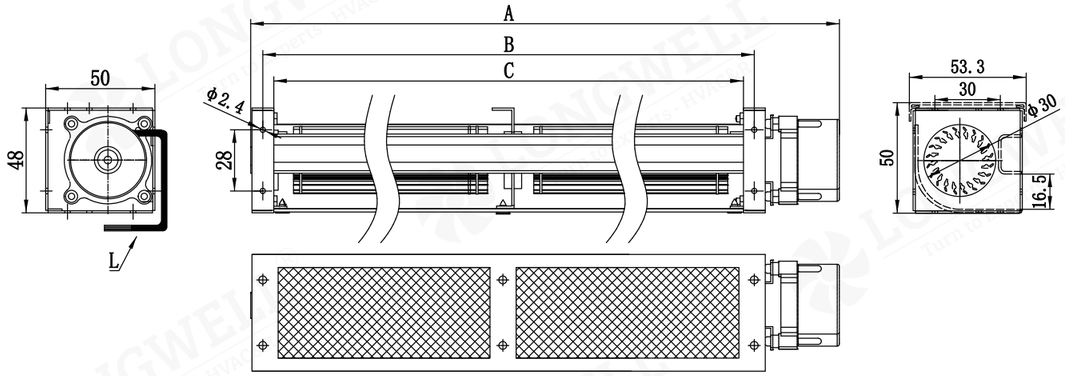
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-30530MN-06	584	540	530	24	0.12	2400	17	137	32	Double
LWCD-30610MN-06	664	620	610	24	0.13	2400	18	158	33	Double
LWCD-30650MN-06	704	660	650	24	0.13	2400	18	168	34	Double
LWCD-30718MN-06	772	728	718	24	0.14	2400	19	185	35	Double
LWCD-30800MN-06	854	810	800	24	0.18	2400	19	207	36	Triple
LWCD-30854MN-06	908	864	854	24	0.19	2400	20	221	36	Triple
LWCD-30920MN-06	974	930	920	24	0.21	2400	20	238	37	Triple
LWCD-30950MN-06	1004	960	950	24	0.21	2400	20	238	37	Triple
LWCD-30986MN-06	1040	996	986	24	0.22	2400	21	255	37	Triple
LWCD-301082MN-06	1136	1092	1082	24	0.24	2400	21	279	38	Triple

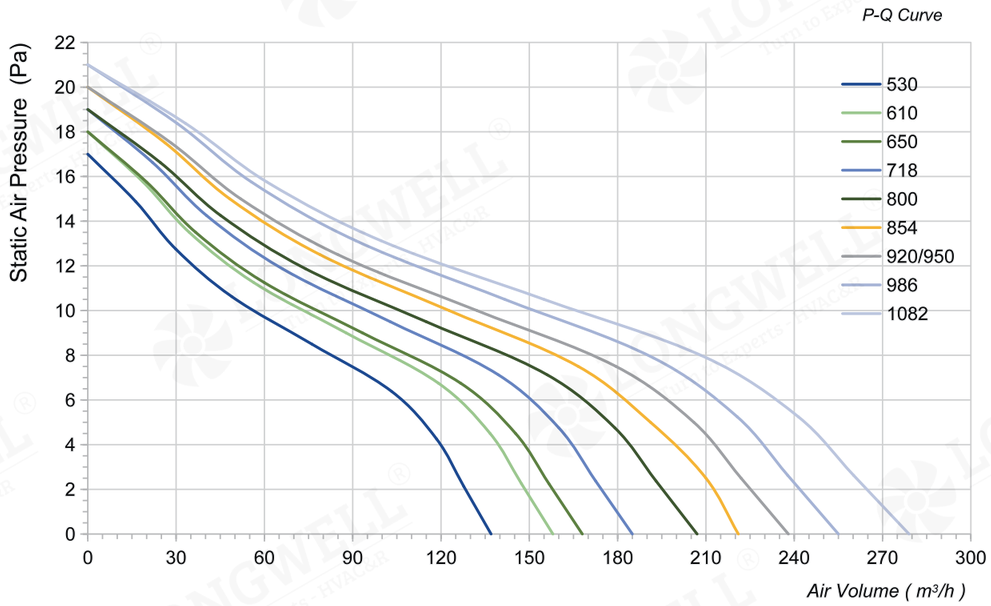
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-40 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



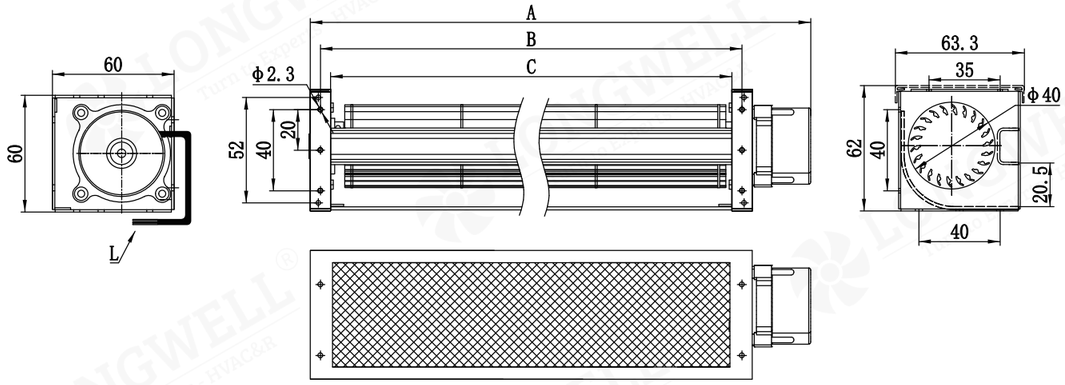
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-4090LN-06	149	108	98	12	0.04	2400	20	34	33	Single
LWCD-4090MN-07	149	108	98	24	0.06	2400	20	34	33	Single
LWCD-40150LN-06	210	170	160	12	0.14	2400	21	55	33	Single
LWCD-40150MN-07	210	170	160	24	0.08	2400	21	55	33	Single
LWCD-40190LN-06	249	208	198	12	0.16	2400	22	69	34	Single
LWCD-40190MN-07	249	208	198	24	0.09	2400	22	69	34	Single
LWCD-40250LN-06	300	260	250	12	0.18	2400	23	87	35	Single
LWCD-40250MN-07	300	260	250	24	0.11	2400	23	87	35	Single
LWCD-40290LN-06	352	310	300	12	0.2	2400	24	104	35	Single
LWCD-40290MN-07	352	310	300	24	0.13	2400	24	104	35	Single
LWCD-40350LN-06	417	358	348	12	0.24	2400	24	121	36	Single
LWCD-40350MN-07	417	358	348	24	0.15	2400	24	121	36	Single
LWCD-40420LN-06	472	430	420	12	0.29	2400	25	146	37	Single
LWCD-40420MN-07	472	430	420	24	0.17	2400	25	146	37	Single

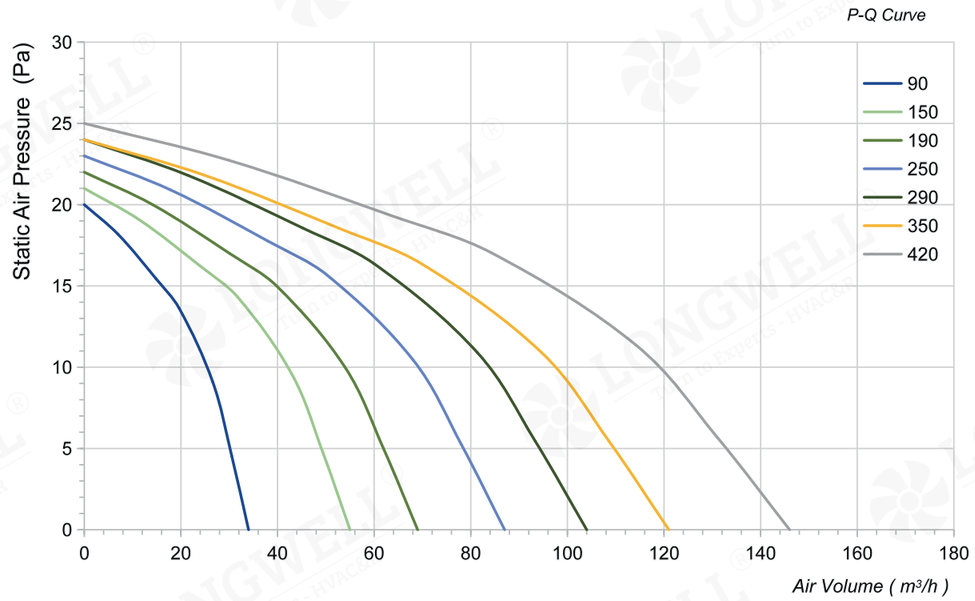
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-40 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



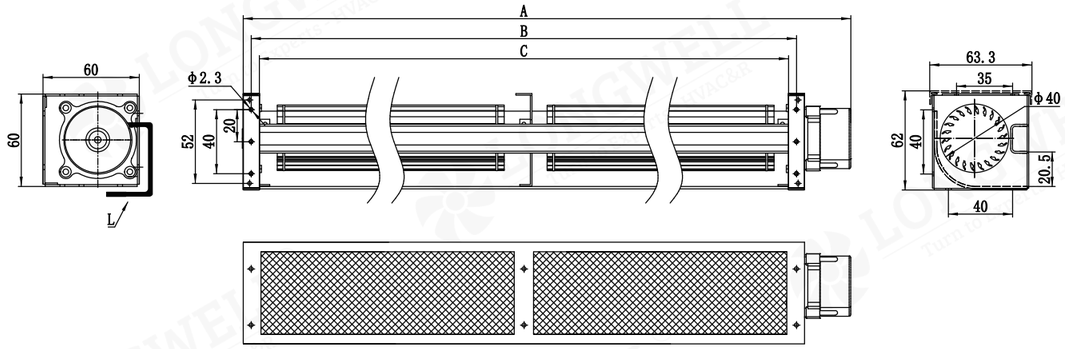
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-40530MN-06	580	540	530	24	0.19	2400	25	176	37	Double
LWCD-40610MN-06	670	620	610	24	0.21	2400	26	203	37	Double
LWCD-40700MN-06	750	710	700	24	0.23	2400	26	232	38	Double
LWCD-40800MN-06	850	810	800	24	0.25	2000	25	236	35	Triple
LWCD-40854MN-06	904	864	854	24	0.28	2000	26	252	35	Triple
LWCD-40920MN-06	973	930	920	24	0.31	2000	26	272	36	Triple
LWCD-401055MN-06	1108	1065	1055	24	0.35	2000	27	311	36	Triple

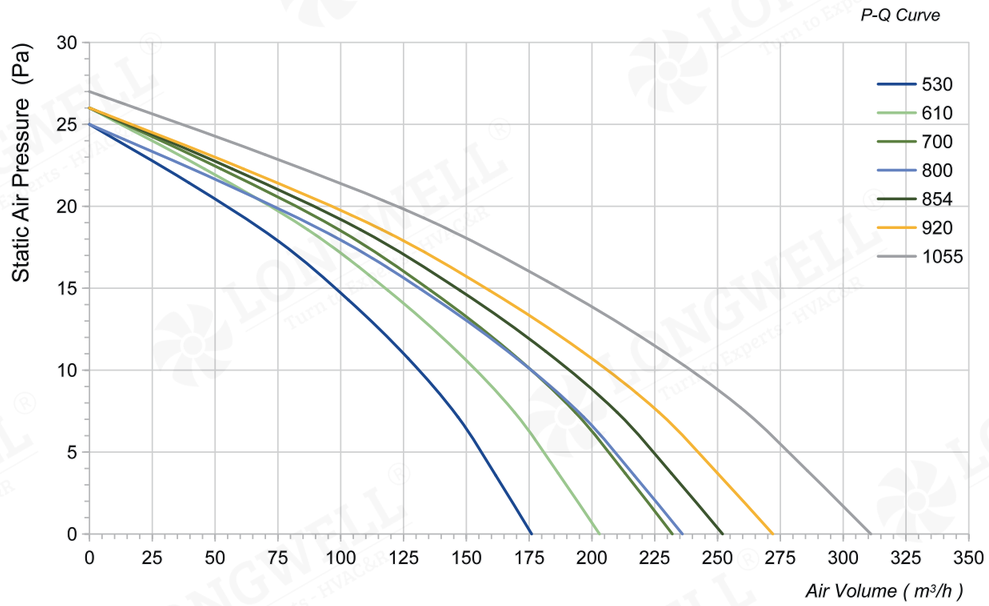
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-43 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



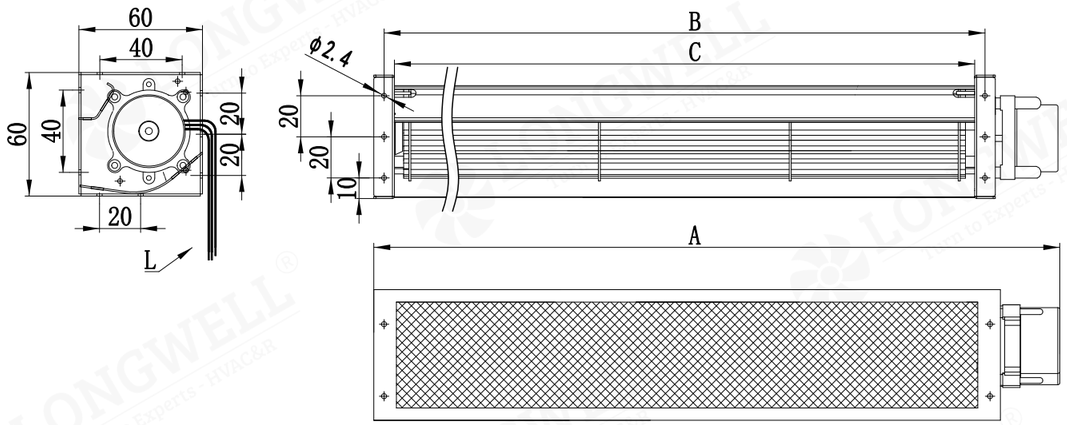
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-4390LN-06	145	108	98	12	0.12	2400	12	44	36	Single
LWCD-4390MN-07	145	108	98	24	0.07	2400	12	44	36	Single
LWCD-43150LN-06	210	170	160	12	0.18	2400	12	73	37	Single
LWCD-43150MN-07	210	170	160	24	0.1	2400	12	73	37	Single
LWCD-43190LN-06	230	208	198	12	0.2	2400	13	90	39	Single
LWCD-43190MN-07	230	208	198	24	0.12	2400	13	90	39	Single
LWCD-43250LN-06	300	260	250	12	0.23	2400	14	113	40	Single
LWCD-43250MN-07	300	260	250	24	0.13	2400	14	113	40	Single
LWCD-43290LN-06	352	310	300	12	0.26	2400	14	136	41	Single
LWCD-43290MN-07	352	310	300	24	0.14	2400	14	136	41	Single
LWCD-43350LN-06	417	358	348	12	0.29	2400	15	158	41	Single
LWCD-43350MN-07	417	358	348	24	0.16	2400	15	158	41	Single
LWCD-43420LN-06	472	430	420	12	0.32	2400	16	191	43	Single
LWCD-43420MN-07	472	430	420	24	0.17	2400	16	191	43	Single

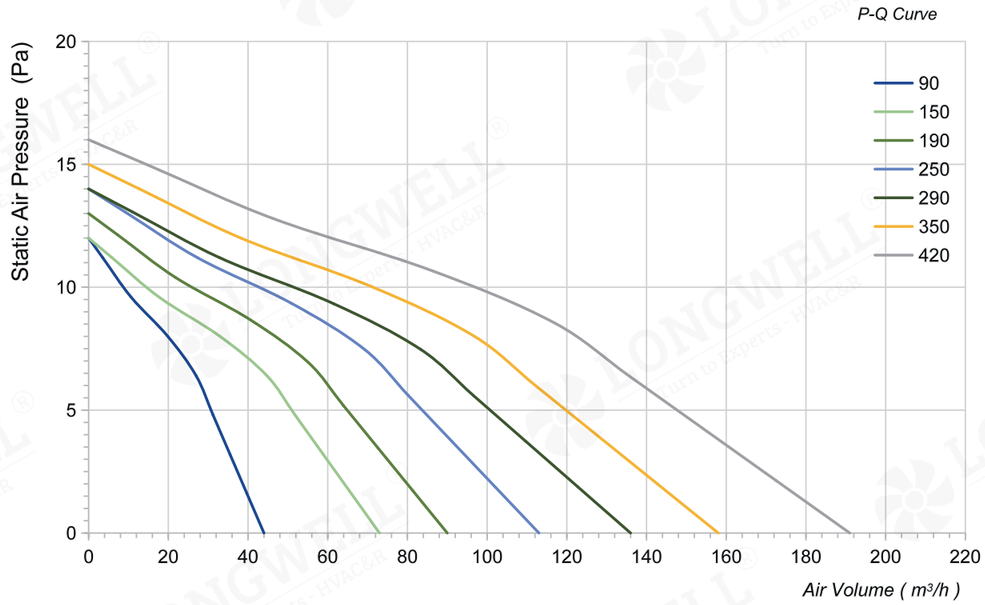
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-45 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



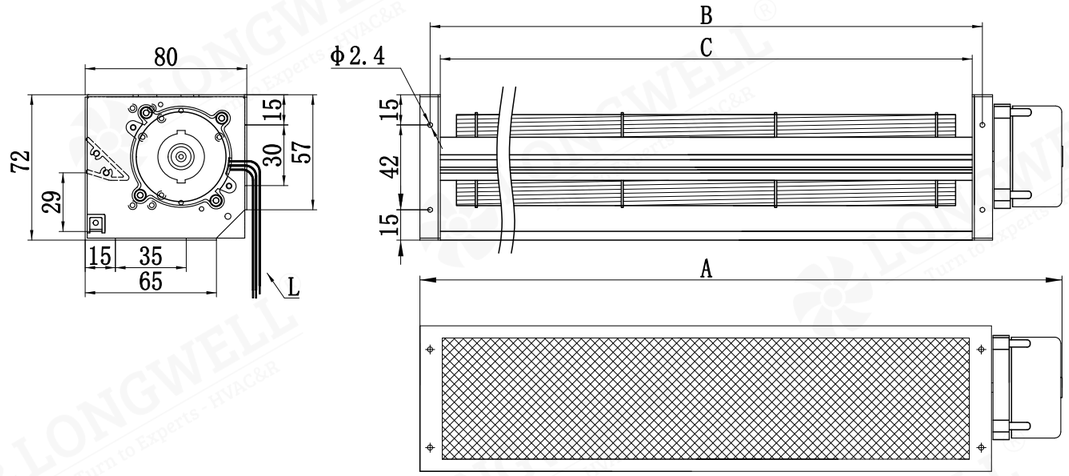
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-4590MN-06	145	100	90	24	0.17	2000	21	50	37	Single
LWCD-45150MN-06	205	160	150	24	0.21	2000	22	83	37	Single
LWCD-45190MN-06	245	200	190	24	0.27	2000	22	105	37	Single
LWCD-45250MN-06	305	260	250	24	0.3	2000	23	138	38	Single
LWCD-45310MN-06	365	320	310	24	0.35	2000	24	172	41	Single
LWCD-45350MN-06	405	360	350	24	0.38	2000	24	194	42	Single

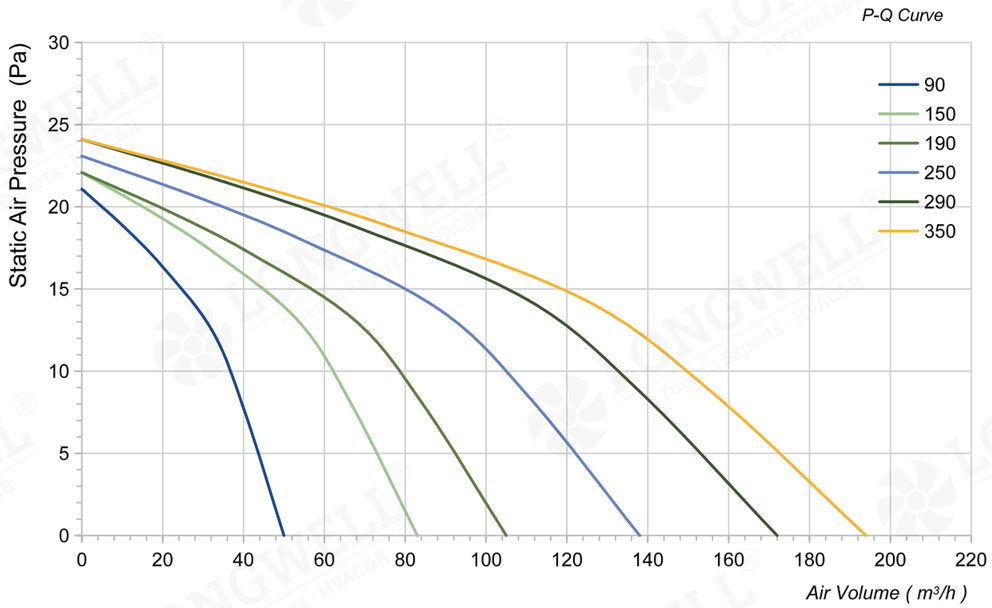
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-45 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



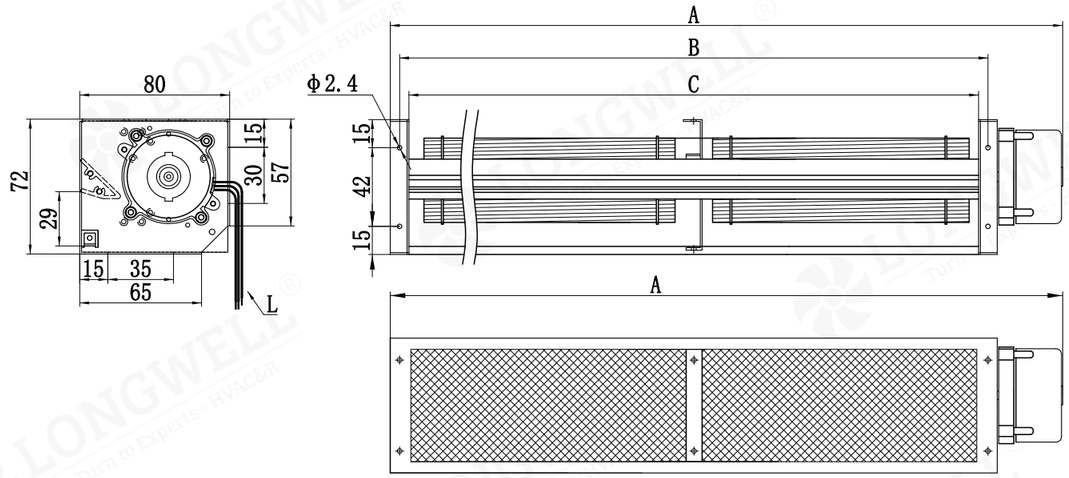
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-45530MN-06	585	540	530	24	0.49	2000	28	277	44	Double
LWCD-45630MN-06	685	640	630	24	0.7	2000	28	329	45	Double
LWCD-45700MN-06	755	710	700	24	0.85	2000	28	365	46	Double
LWCD-45750MN-06	805	760	750	24	0.94	2000	28	392	46	Double
LWCD-45870MN-06	915	880	870	24	0.8	2000	28	454	47	Double

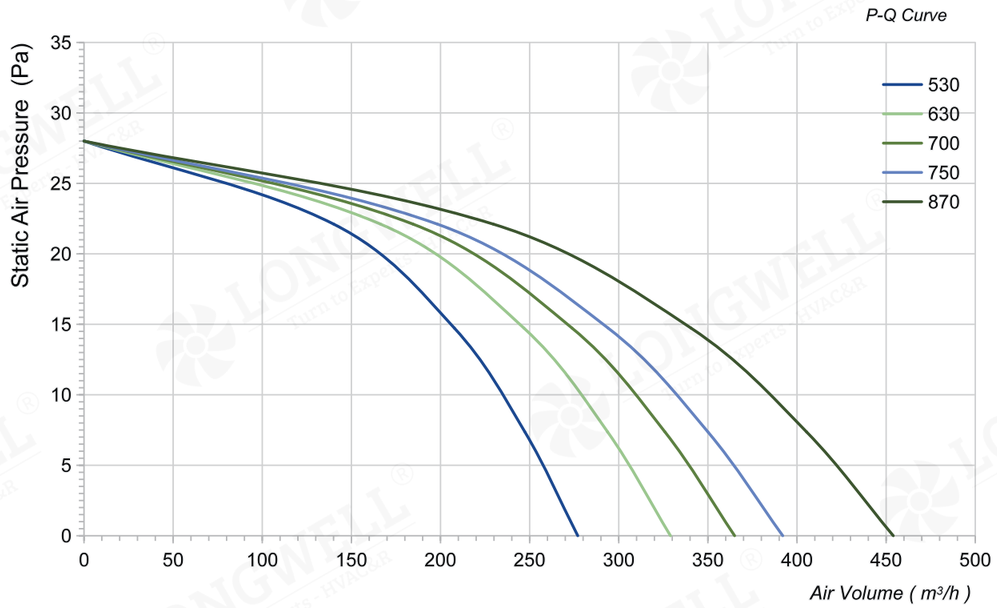
Note：1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



Ningbo Longwell Electric Technology Co., Ltd
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LWCD-50 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



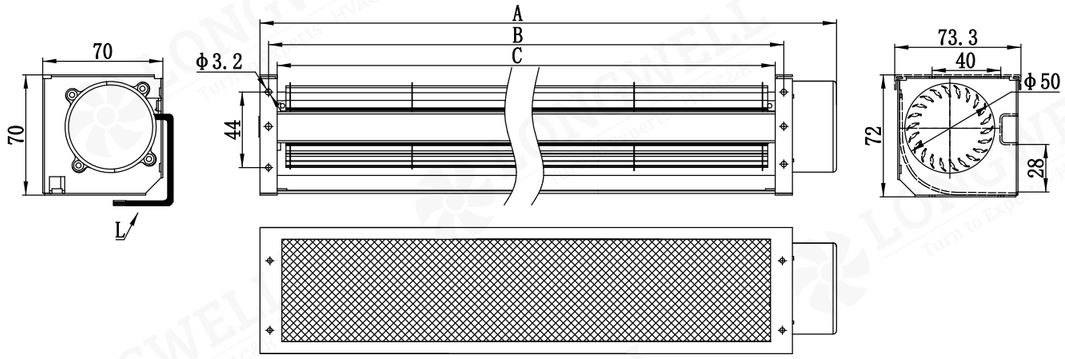
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-5090LN-06	144	108	98	12	0.14	2000	34	52	37	Single
LWCD-5090MN-07	144	108	98	24	0.07	2000	34	52	37	Single
LWCD-50150LN-06	204	168	158	12	0.2	2000	35	87	37	Single
LWCD-50150MN-07	204	168	158	24	0.1	2000	35	87	37	Single
LWCD-50190LN-06	244	208	198	12	0.28	2000	36	110	38	Single
LWCD-50190MN-07	244	208	198	24	0.14	2000	36	110	38	Single
LWCD-50250LN-06	296	260	250	12	0.36	2000	37	145	39	Single
LWCD-50250MN-07	296	260	250	24	0.18	2000	37	145	39	Single
LWCD-50290LN-06	336	300	290	12	0.44	2000	37	168	40	Single
LWCD-50290MN-07	336	300	290	24	0.22	2000	37	168	40	Single
LWCD-50350LN-06	404	368	358	12	0.52	2000	38	203	41	Single
LWCD-50350MN-07	404	368	358	24	0.26	2000	38	203	41	Single
LWCD-50420LN-06	464	428	418	12	0.6	2000	39	243	42	Single
LWCD-50420MN-07	464	428	418	24	0.3	2000	39	243	42	Single

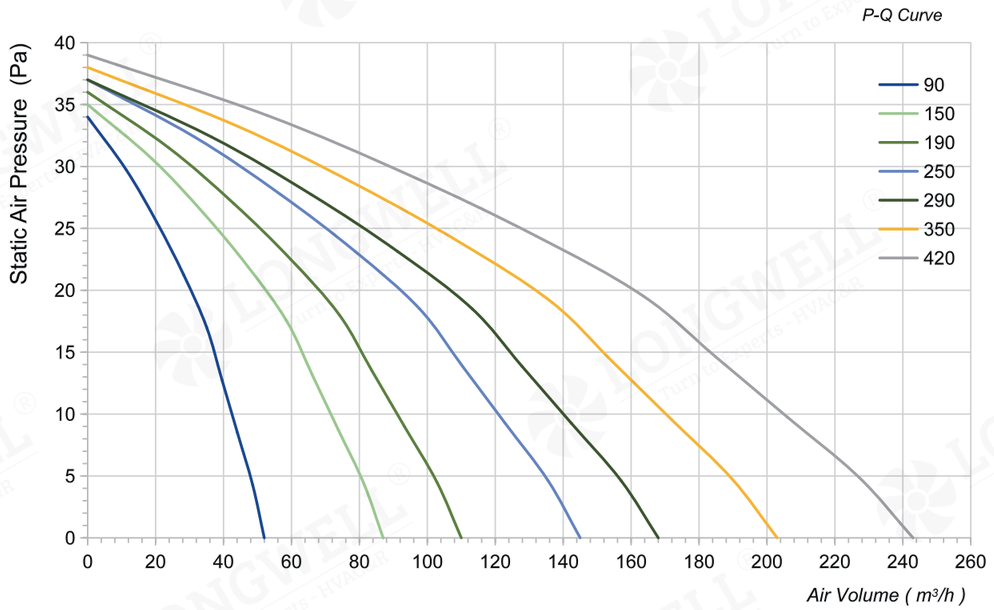
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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

LWCD-50 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



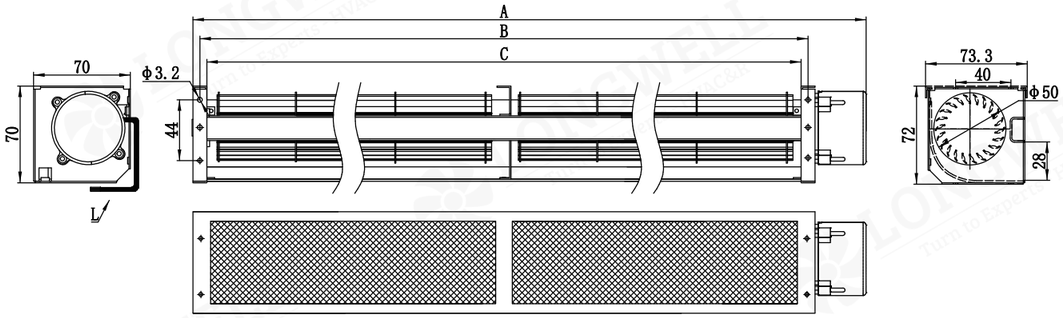
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-50530MN-06	567	540	530	24	0.33	2000	39	288	43	Double
LWCD-50610MN-06	647	620	610	24	0.37	2000	40	332	42	Double
LWCD-50680MN-06	720	690	680	24	0.41	2000	41	381	43	Double
LWCD-50700MN-06	737	710	700	24	0.41	2000	41	381	43	Double
LWCD-50800MN-06	837	810	800	24	0.46	1800	42	435	43	Triple
LWCD-50854MN-06	891	864	854	24	0.5	1800	42	465	43	Triple
LWCD-50920MN-06	957	930	920	24	0.54	1800	41	501	44	Triple
LWCD-501055MN-06	1092	1065	1055	24	0.6	1800	42	574	44	Triple

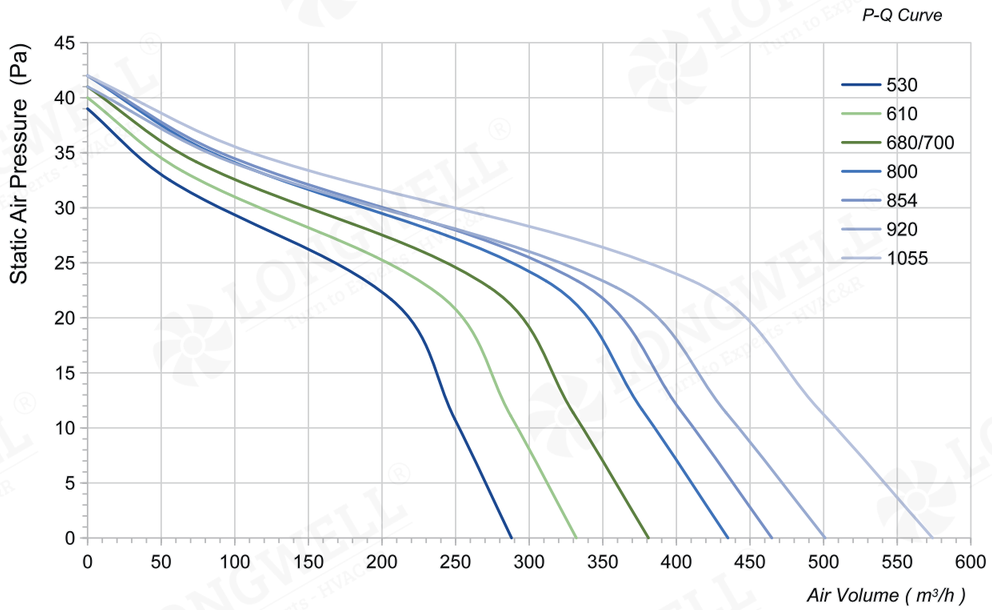
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-60 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



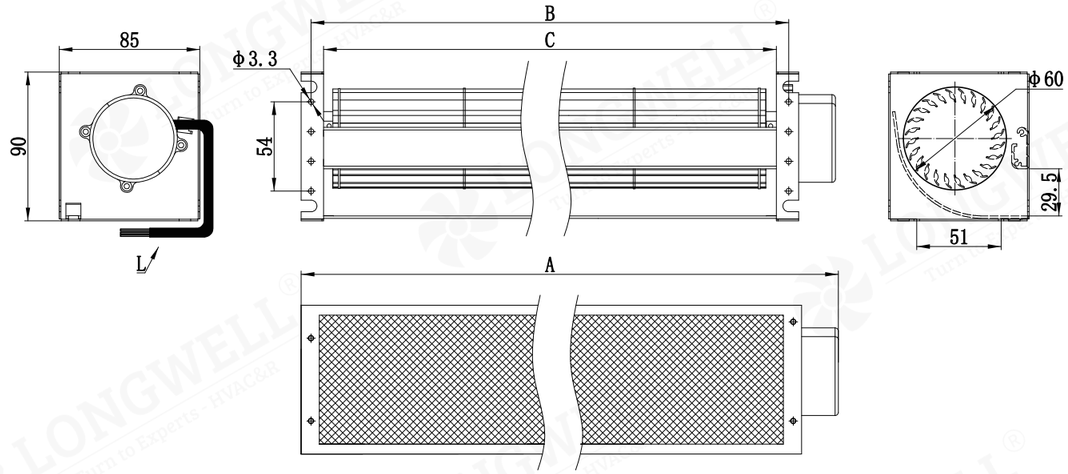
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-60120LN-06	186	138	123	12	0.68	2000	27	102	38	Single
LWCD-60120MN-07	186	138	123	24	0.35	2000	27	102	38	Single
LWCD-60180LN-06	246	199	184	12	0.75	2000	29	152	38	Single
LWCD-60180MN-07	246	199	184	24	0.4	2000	29	152	38	Single
LWCD-60240LN-06	307	259	245	12	0.78	2000	32	203	39	Single
LWCD-60240MN-07	307	259	245	24	0.42	2000	32	203	39	Single
LWCD-60300LN-06	368	321	306	12	0.8	2000	34	253	41	Single
LWCD-60300MN-07	368	321	306	24	0.46	2000	34	253	41	Single
LWCD-60360LN-06	430	383	368	12	0.95	2000	34	305	42	Single
LWCD-60360MN-07	430	383	368	24	0.51	2000	34	305	42	Single
LWCD-60420LN-06	492	444	429	12	0.11	2000	35	355	43	Single
LWCD-60420MN-07	492	444	429	24	0.93	2000	35	355	43	Single

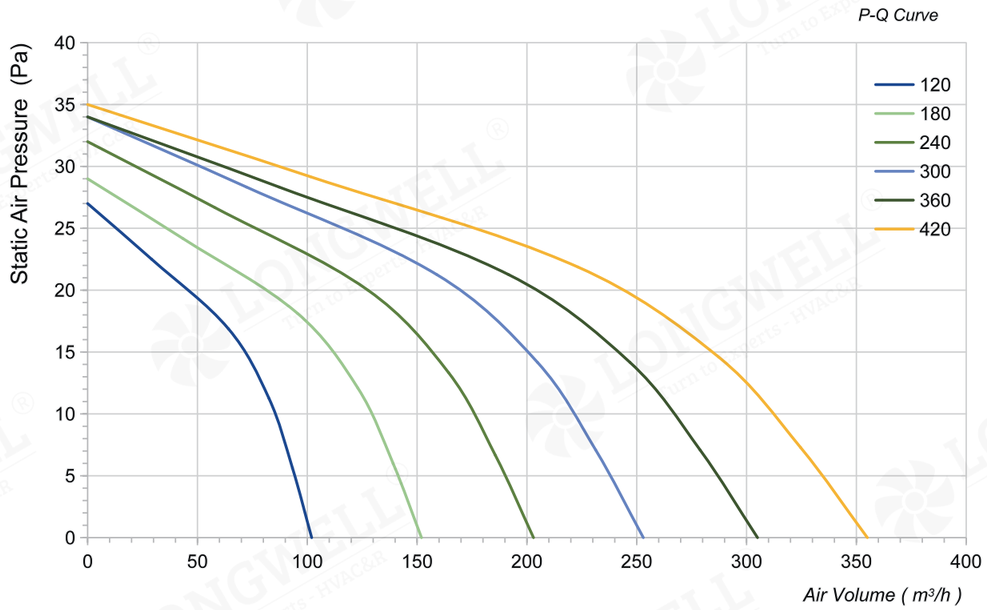
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



Ningbo Longwell Electric Technology Co., Ltd
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LWCD-60 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



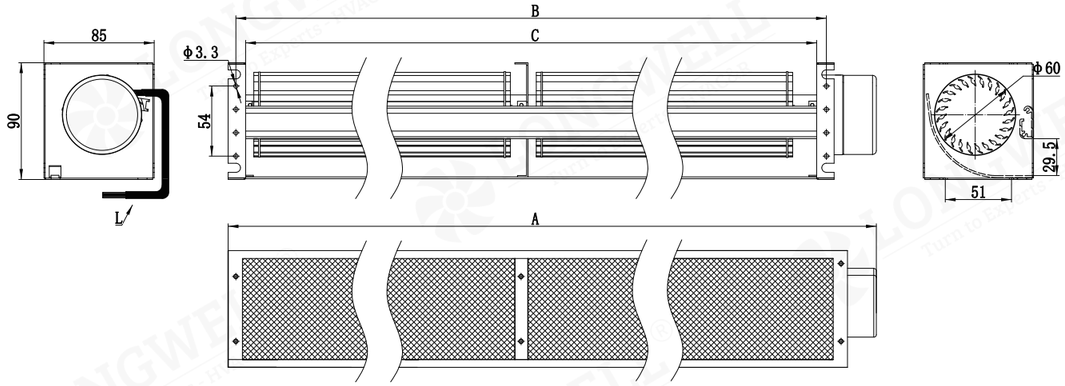
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-60520MN-06	600	535	520	24	1.04	1800	28	414	45	Double
LWCD-60610MN-06	690	625	610	24	1.1	1800	29	486	46	Double
LWCD-60640MN-06	720	655	640	24	1.13	1800	29	510	47	Double
LWCD-60700MN-06	780	715	700	24	1.17	1800	30	558	47	Double
LWCD-60750MN-06	830	765	750	24	1.2	1800	31	597	48	Double
LWCD-60870MN-06	950	885	870	24	1.25	1800	32	693	50	Double
LWCD-601100MN-06	1185	1120	1105	24	1.3	1800	34	857	51	Triple
LWCD-601300MN-06	1385	1320	1305	24	1.36	1800	35	1012	52	Triple

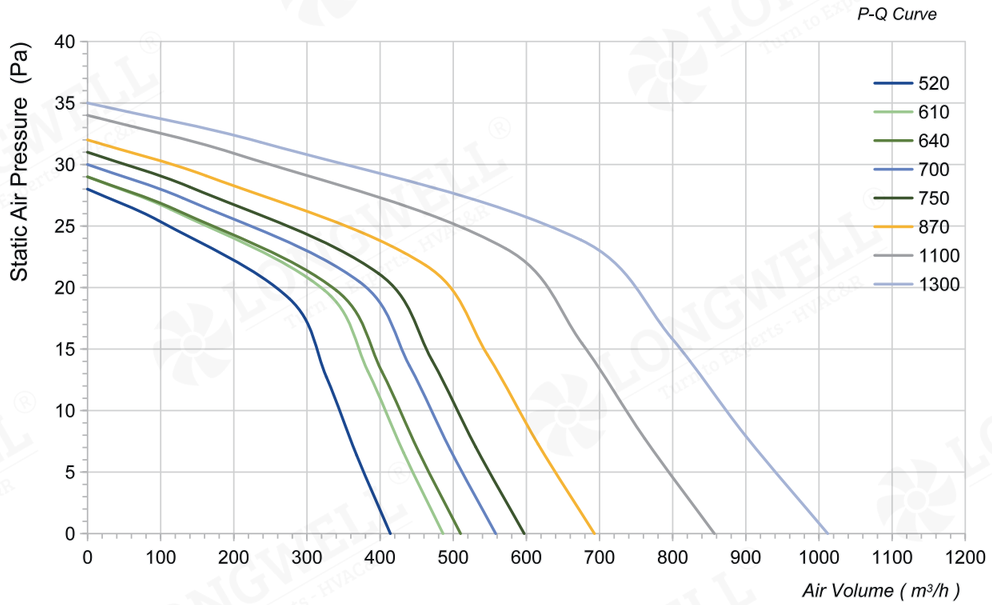
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-65 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V/48V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



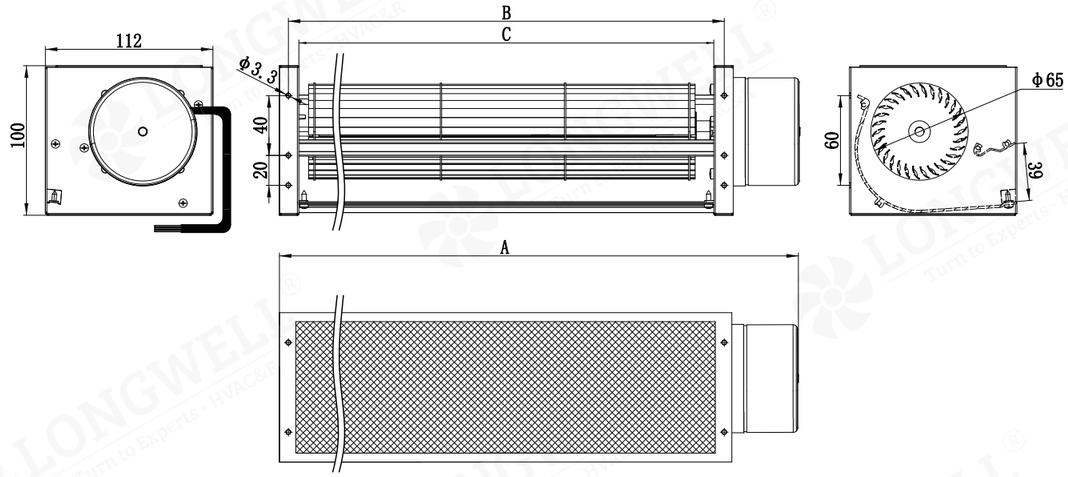
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-65120LN-06	192	137	123	12	1.3	1800	40	143	47	Single
LWCD-65120MN-07	192	137	123	24	0.5	1800	40	143	47	Single
LWCD-65180LN-06	253	198	184	12	1.5	1800	41	214	47	Single
LWCD-65180MN-07	253	198	184	24	0.6	1800	41	214	47	Single
LWCD-65240LN-06	314	259	245	12	1.7	1800	42	286	48	Single
LWCD-65240MN-07	314	259	245	24	0.7	1800	42	286	48	Single
LWCD-65300LN-06	375	320	306	12	1.8	1800	42	357	49	Single
LWCD-65300MN-07	375	320	306	24	0.8	1800	42	357	49	Single
LWCD-65360LN-06	437	382	368	12	1.9	1800	42	429	50	Single
LWCD-65360MN-07	437	382	368	24	0.8	1800	42	429	50	Single
LWCD-65420LN-06	498	443	429	12	2	1800	44	500	52	Single
LWCD-65420MN-07	498	443	429	24	0.9	1800	44	500	52	Single
LWCD-65420HN-08	498	443	429	48	2	1800	44	500	52	Single
LWCD-65520LN-06	589	534	520	12	2.7	1800	52	606	53	Single
LWCD-65520MN-07	589	534	520	24	1.2	1800	52	606	53	Single
LWCD-65620LN-06	689	634	620	12	2.5	1800	53	722	53	Single
LWCD-65620MN-07	689	634	620	24	1.25	1800	53	722	53	Single

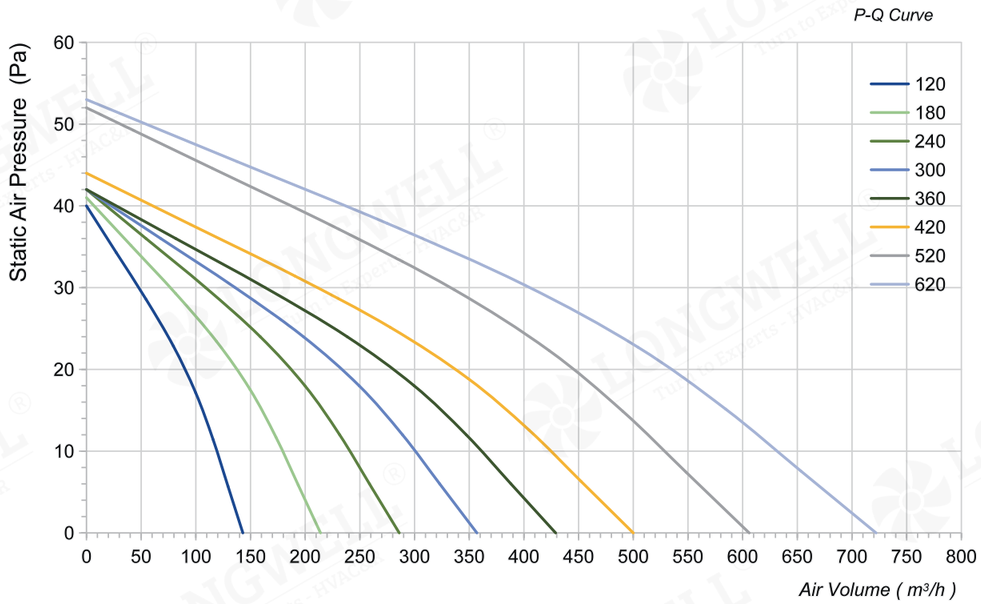
Note: 1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCD-65 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 12V/24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



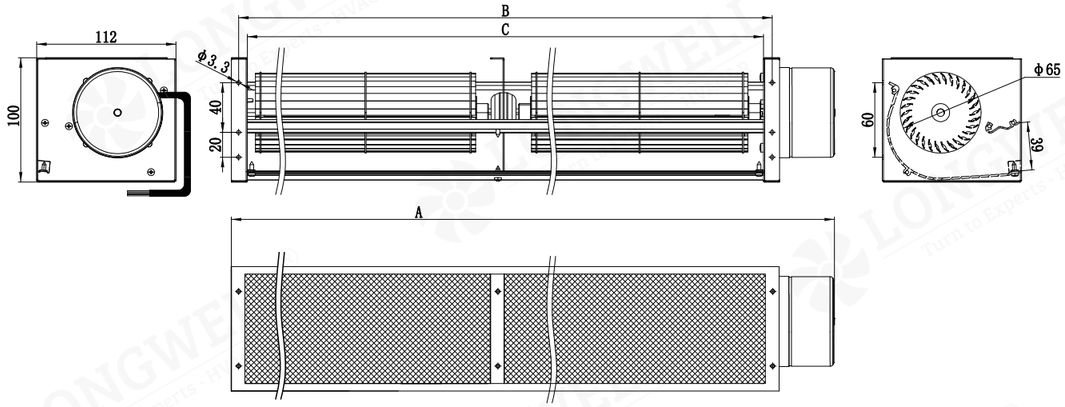
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Current (A)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-65720LN-06	789	734	720	12	2.6	1800	55	819	53	Double
LWCD-65720MN-07	789	734	720	24	1.3	1800	55	819	53	Double
LWCD-65750LN-06	819	764	750	12	2.8	1800	56	853	54	Double
LWCD-65750MN-07	819	764	750	24	1.4	1800	56	853	54	Double
LWCD-65820LN-06	889	834	820	12	3	1800	56	933	55	Double
LWCD-65820MN-07	889	834	820	24	1.5	1800	56	933	55	Double
LWCD-65870LN-06	939	884	870	12	3.2	1800	58	990	55	Double
LWCD-65870MN-07	939	884	870	24	1.6	1800	58	990	55	Double
LWCD-651100MN-06	1174	1119	1105	24	4.2	1800	58	1178	55	Triple
LWCD-651300MN-06	1374	1319	1305	24	4.2	1800	58	1392	55	Triple

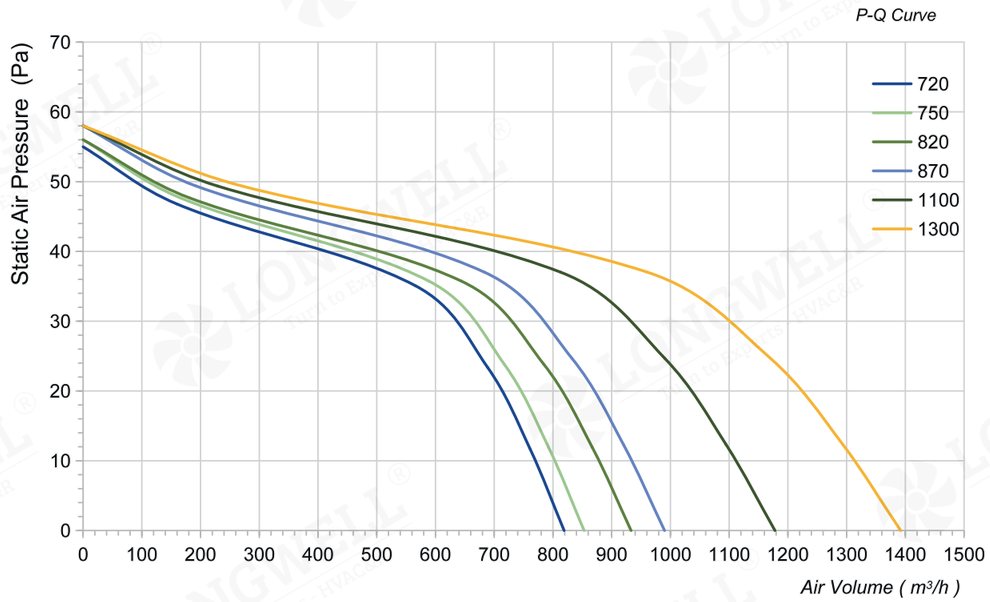
Note：1. All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

2. Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve

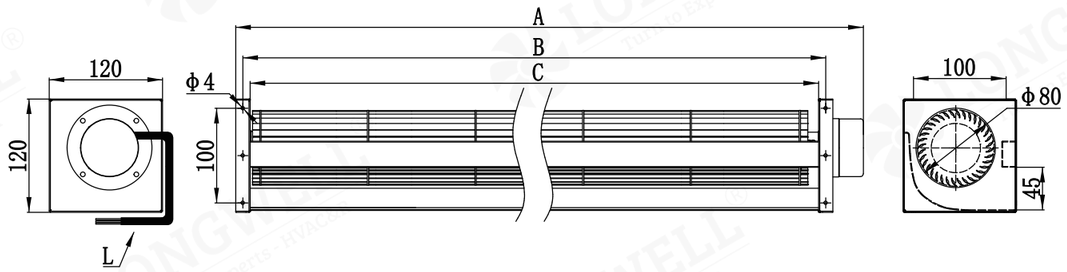


LWCD-80 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

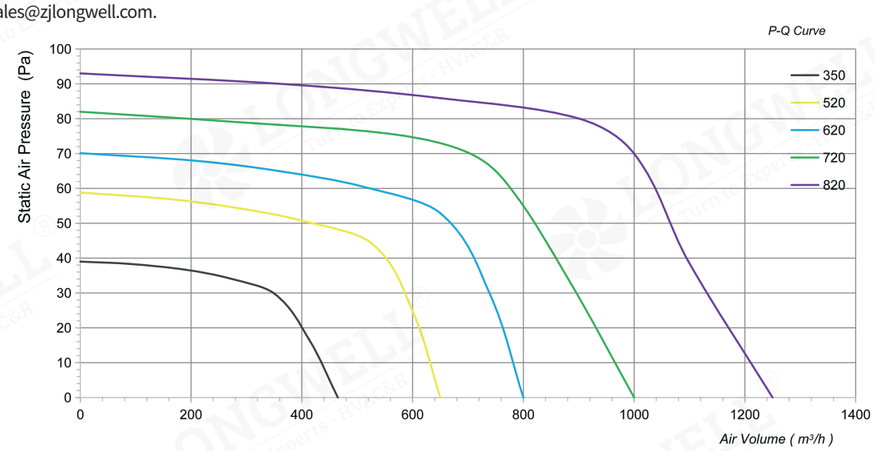




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-80350MN-06	412	365	350	24	13	1500	39	465	53	Single
LWCD-80520MN-06	582	535	520	24	23	1500	59	650	54	Single
LWCD-80620MN-06	704	635	620	24	31	1500	70	800	55	Single
LWCD-80720MN-06	804	735	720	24	33	1500	82	1000	55	Single
LWCD-80820MN-06	904	835	820	24	45	1500	93	1250	56	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

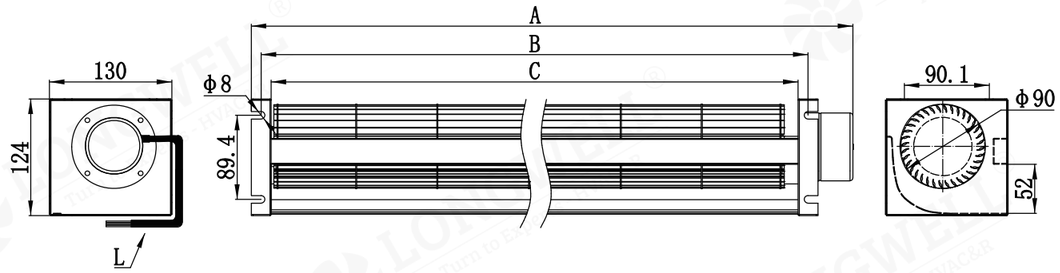


LWCD-90 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

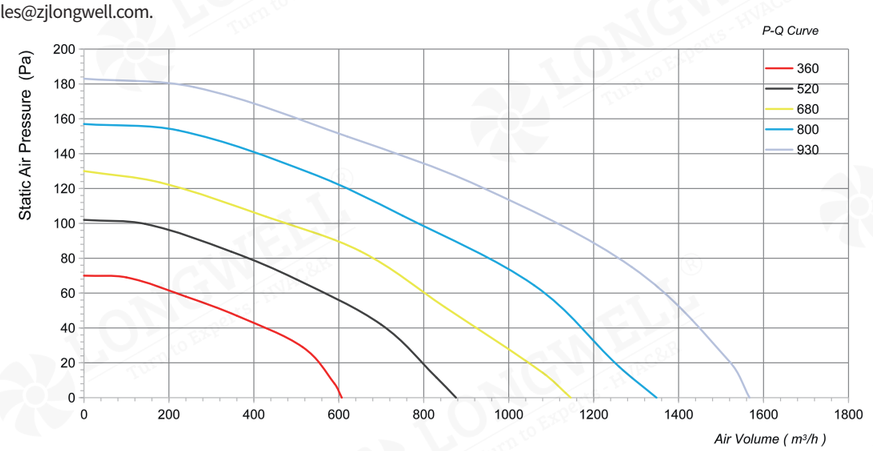




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-90360MN-06	428	381	360	24	24.5	1500	70	607	54	Single
LWCD-90520MN-06	610	546	520	24	40	1500	102	876	56	Single
LWCD-90680MN-06	770	701	680	24	65	1500	130	1146	57	Single
LWCD-90800MN-06	890	821	800	24	80	1500	157	1348	58	Single
LWCD-90930MN-06	1028	951	930	24	96	1500	183	1567	59	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



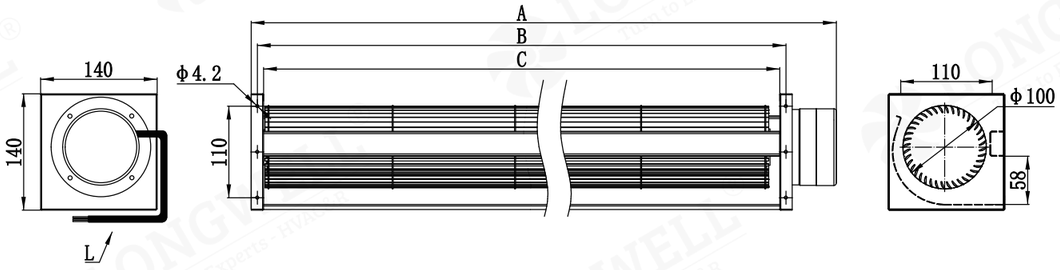
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LWCD-100 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

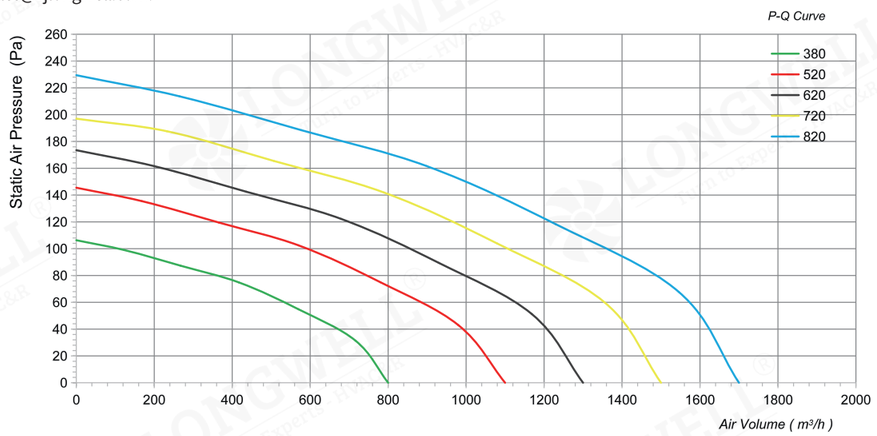




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-100380MN-06	464	395	380	24	26.5	1500	106	800	55	Single
LWCD-100520MN-06	604	535	520	24	60	1500	145	1100	58	Single
LWCD-100620MN-06	704	635	620	24	75	1500	173	1300	59	Single
LWCD-100720MN-06	812	735	720	24	115.2	1500	197	1500	60	Single
LWCD-100820MN-06	912	835	820	24	120	1500	229	1700	61	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

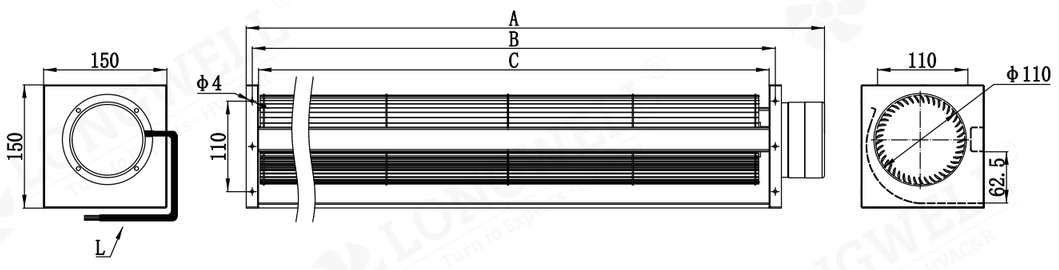


LWCD-110 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

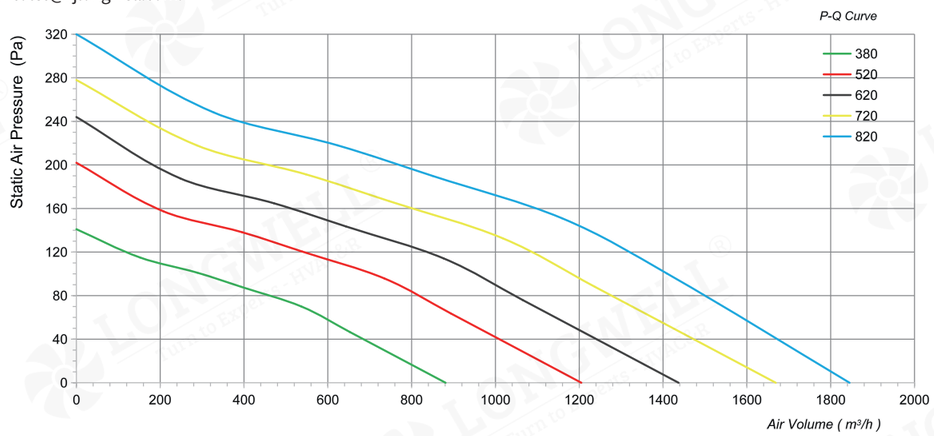




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-110380MN-06	464	395	380	24	70	1200	141	881	55	Single
LWCD-110520MN-06	612	535	520	24	100	1200	202	1205	57	Single
LWCD-110620MN-06	712	635	620	24	120	1200	244	1437	57	Single
LWCD-110720MN-06	812	735	720	24	132	1200	278	1669	58	Single
LWCD-110820MN-06	912	835	820	24	146	1200	320	1845	59	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

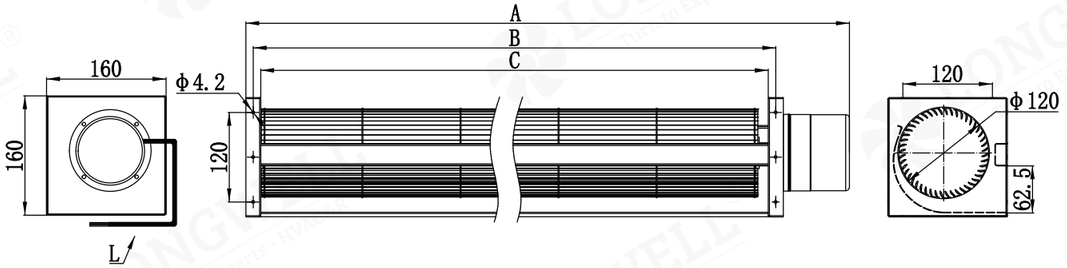


LWCD-120 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

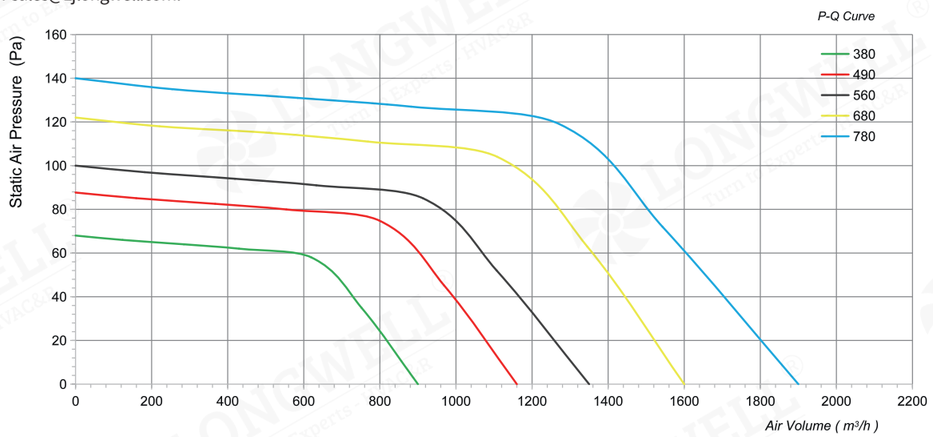




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-120380MN-06	477	400	380	24	48	1350	68	900	56	Single
LWCD-120490MN-06	587	510	490	24	90	1350	88	1160	57	Single
LWCD-120560MN-06	657	580	560	24	110	1350	100	1350	57	Single
LWCD-120680MN-06	777	700	680	24	123	1350	122	1600	58	Single
LWCD-120780MN-06	916	800	780	24	144	1350	140	1900	60	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

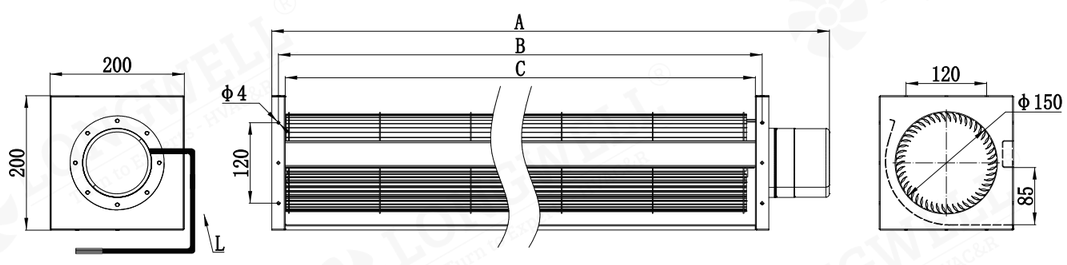


LWCD-150 Series

Product Characteristic

- Motor Type : 3 Phase BLDC Motor
- Voltage : 24V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

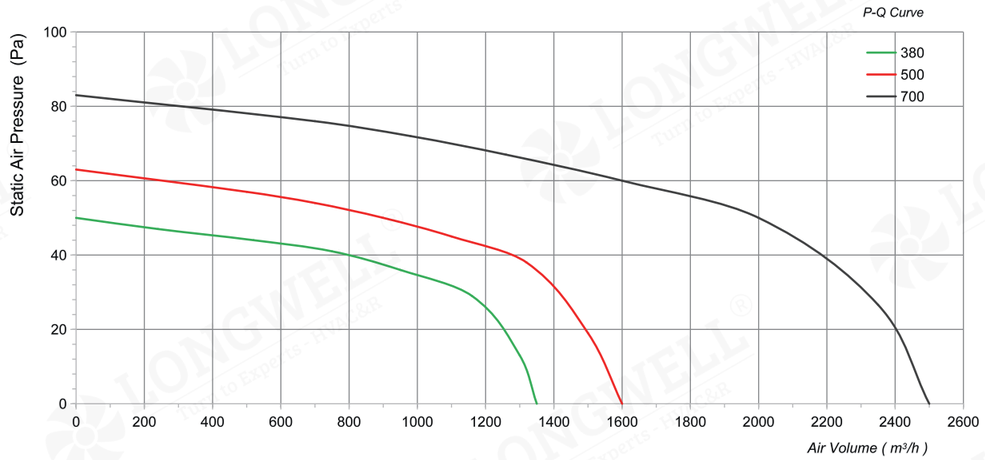




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCD-150380MN-06	477	400	380	24	80	1000	50	1350	62	Single
LWCD-150500MN-06	597	520	500	24	84	800	63	1600	60	Single
LWCD-150700MN-06	836	720	700	24	105	800	83	2500	60	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



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AC Cross Flow Fan

- Housing Material:Galvanized Sheet Steel
- Blade Material:Aluminum Alloy
- Voltage Ranges:115V/230V
- Motor Type:AC Shaded Pole Motor
- Feature: Uniform and directional airflow for optimal ventilation
- Typical Applications:Trench heaters, Floor convectors, Heating&Cooling equipments,etc



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LWCA-30 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 115V/230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

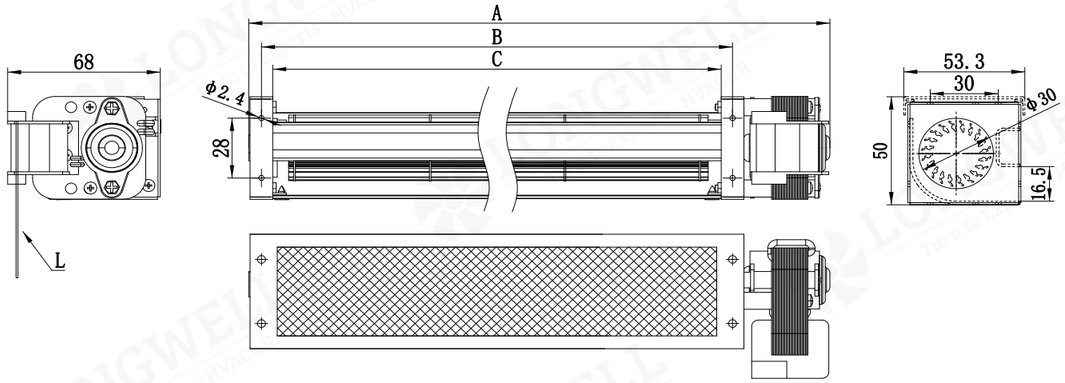


Technical Specifications

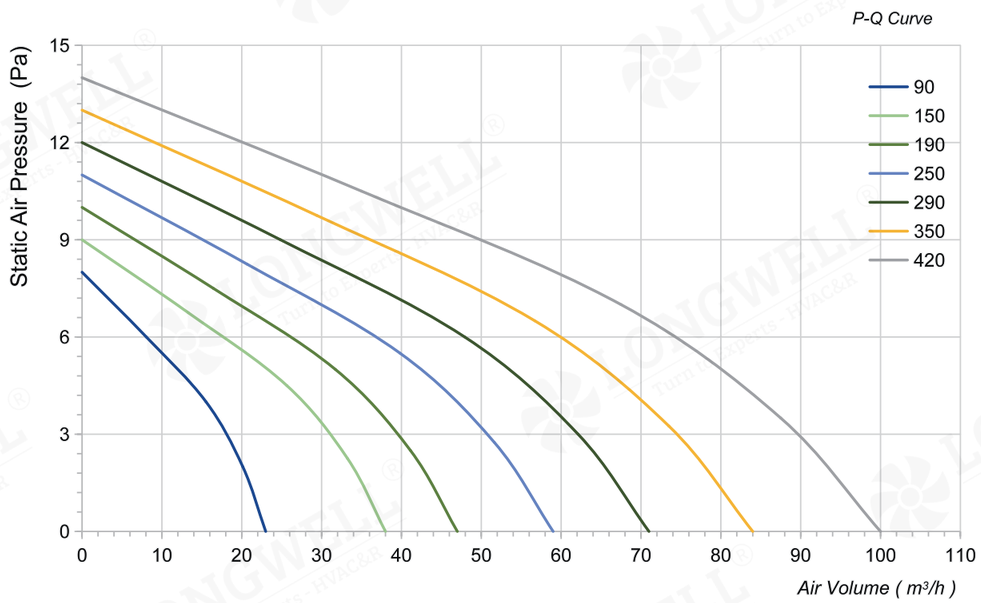
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCA-3090UN-06	158	108	98	115	60	8	2400	8	23	25	Single
LWCA-3090SN-07	158	108	98	230	50	8	2400	8	23	25	Single
LWCA-30150UN-06	222	170	160	115	60	9	2400	9	38	25	Single
LWCA-30150SN-07	222	170	160	230	50	10	2400	9	38	25	Single
LWCA-30190UN-06	256	208	198	115	60	9	2400	10	47	26	Single
LWCA-30190SN-07	256	208	198	230	50	11	2400	10	47	26	Single
LWCA-30250UN-06	308	258	248	115	60	11	2400	11	59	26	Single
LWCA-30250SN-07	308	258	248	230	50	10	2400	11	59	26	Single
LWCA-30290UN-06	365	310	300	115	60	12	2400	12	71	27	Single
LWCA-30290SN-07	365	310	300	230	50	11	2400	12	71	27	Single
LWCA-30350UN-06	411	362	352	115	60	13	2400	13	84	27	Single
LWCA-30350SN-07	411	362	352	230	50	11	2400	13	84	27	Single
LWCA-30420UN-06	479	430	420	115	60	13	2400	14	100	28	Single
LWCA-30420SN-07	479	430	420	230	50	11	2400	14	100	28	Single

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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

LWCA-30 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

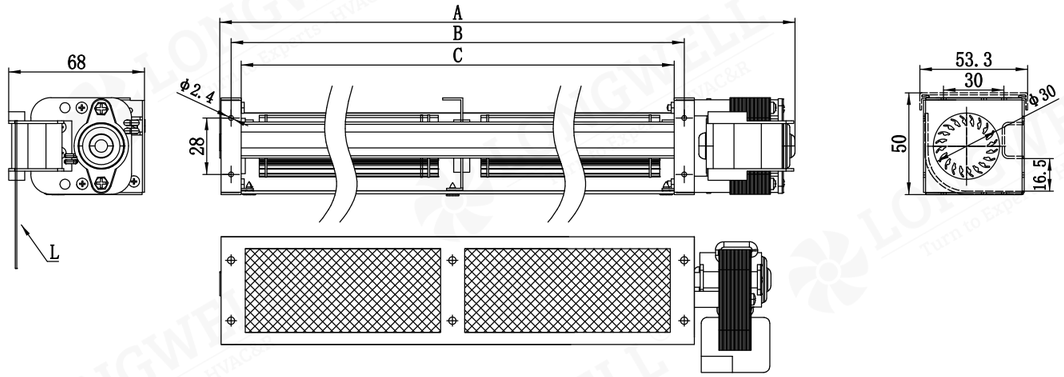


Technical Specifications

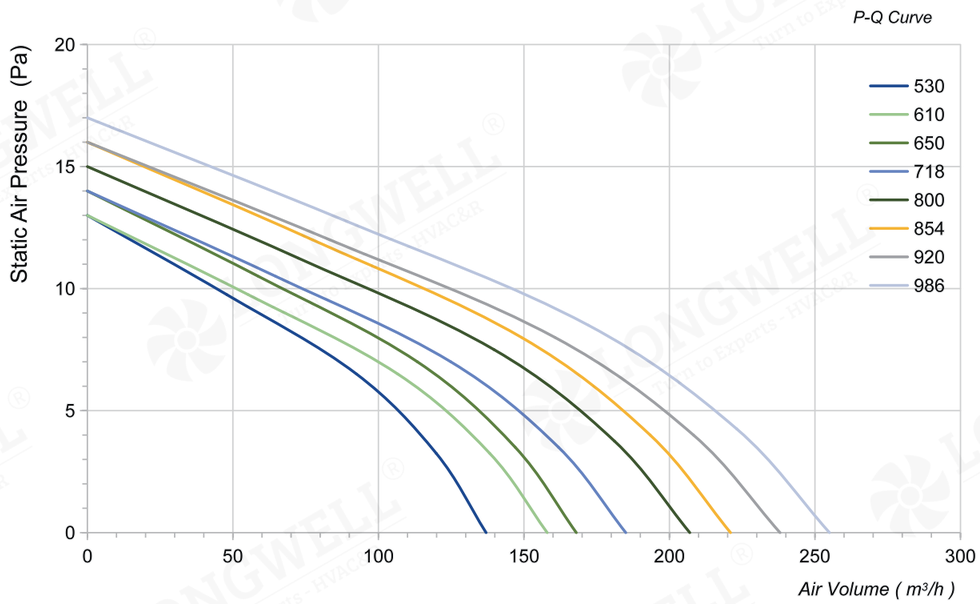
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-30530SN-06	590	540	530	230	50	13	2200	13	137	29	Double
LWCA-30610SN-06	670	620	610	230	50	13	2200	13	158	29	Double
LWCA-30650SN-06	710	660	650	230	50	14	2200	14	168	29	Double
LWCA-30718SN-06	778	728	718	230	50	15	2200	14	185	30	Double
LWCA-30800SN-06	860	810	800	230	50	15	2200	15	207	31	Triple
LWCA-30854SN-06	914	864	854	230	50	15	2200	16	221	31	Triple
LWCA-30920SN-06	980	930	920	230	50	16	2200	16	238	32	Triple
LWCA-30986SN-06	1056	996	986	230	50	16	2200	17	255	33	Triple

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCA-40 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 115V/230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

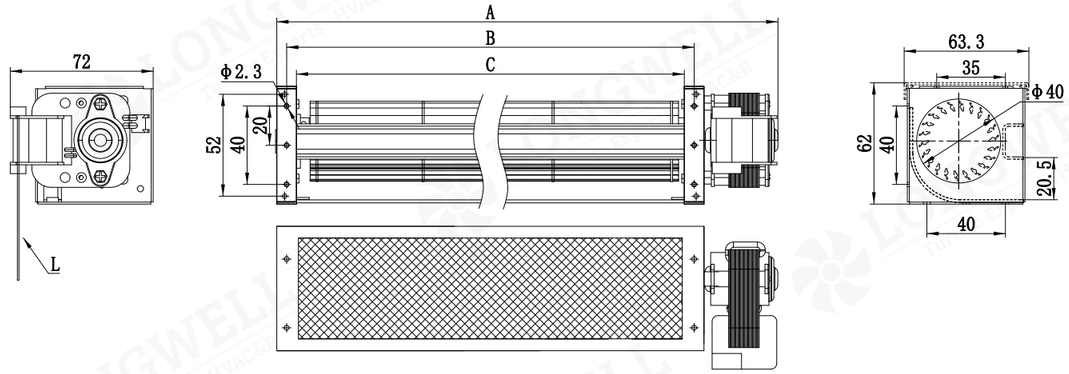


Technical Specifications

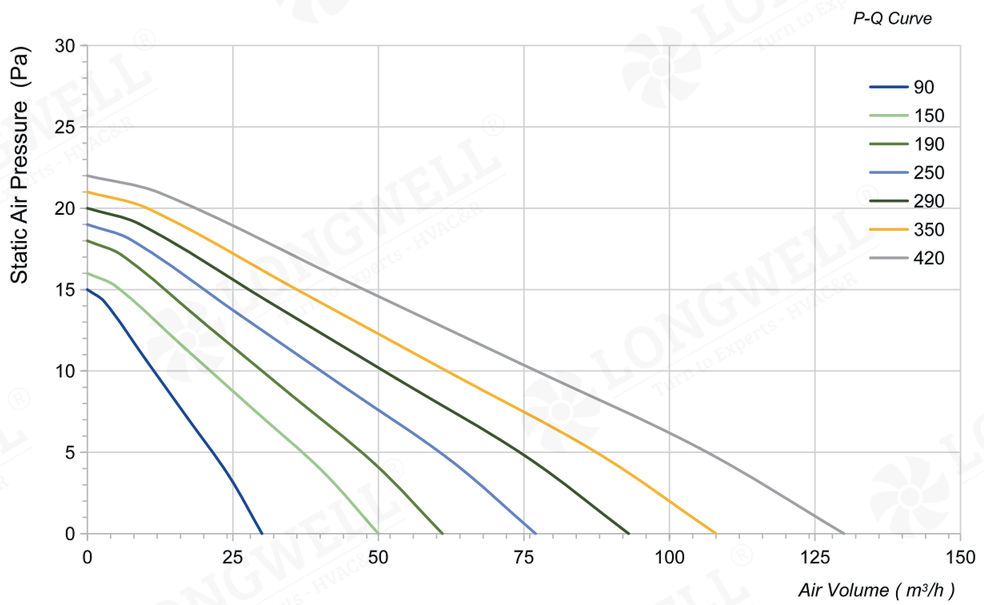
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCA-4090UN-06	158	108	98	115	60	9	2400	15	30	29	Single
LWCA-4090SN-07	158	108	98	230	50	10	2400	15	30	29	Single
LWCA-40150UN-06	218	170	160	115	60	10	2400	16	50	29	Single
LWCA-40150SN-07	218	170	160	230	50	11	2400	16	50	29	Single
LWCA-40190UN-06	265	208	198	115	60	11	2400	18	61	30	Single
LWCA-40190SN-07	265	208	198	230	50	12	2400	18	61	30	Single
LWCA-40250UN-06	316	260	250	115	60	12	2400	19	77	30	Single
LWCA-40250SN-07	316	260	250	230	50	12	2400	19	77	30	Single
LWCA-40290UN-06	370	310	300	115	60	13	2400	20	93	30	Single
LWCA-40290SN-07	370	310	300	230	50	12	2400	20	93	30	Single
LWCA-40350UN-06	417	358	348	115	60	16	2400	21	108	31	Single
LWCA-40350SN-07	417	358	348	230	50	13	2400	21	108	31	Single
LWCA-40420UN-06	491	430	420	115	60	17	2400	22	130	32	Single
LWCA-40420SN-07	491	430	420	230	50	14	2400	22	130	32	Single

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCA-40 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

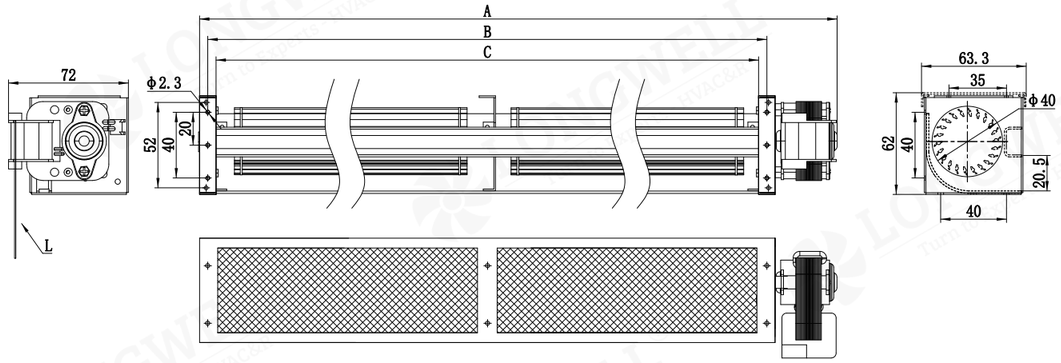


Technical Specifications

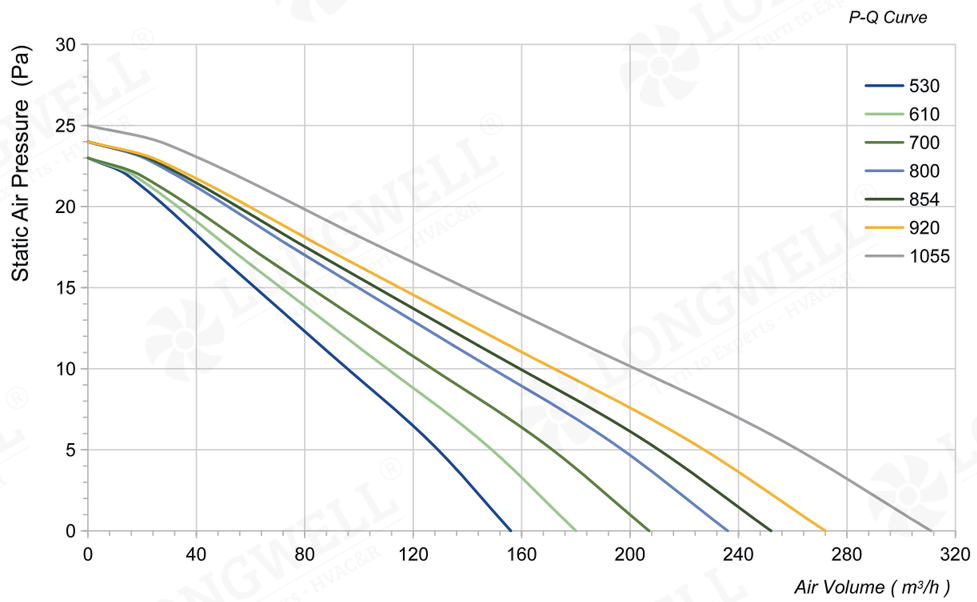
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-40530SN-06	600	540	530	230	50	17	2200	23	156	34	Double
LWCA-40610SN-06	680	620	610	230	50	19	2200	23	180	35	Double
LWCA-40700SN-06	770	710	700	230	50	20	2200	23	207	37	Double
LWCA-40800SN-06	870	810	800	230	50	22	2200	24	236	37	Triple
LWCA-40854SN-06	924	864	854	230	50	23	2200	24	252	37	Triple
LWCA-40920SN-06	990	930	920	230	50	25	2200	24	272	38	Triple
LWCA-401055SN-06	1125	1065	1055	230	50	25	2200	25	311	38	Triple

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCA-43 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 115V/230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

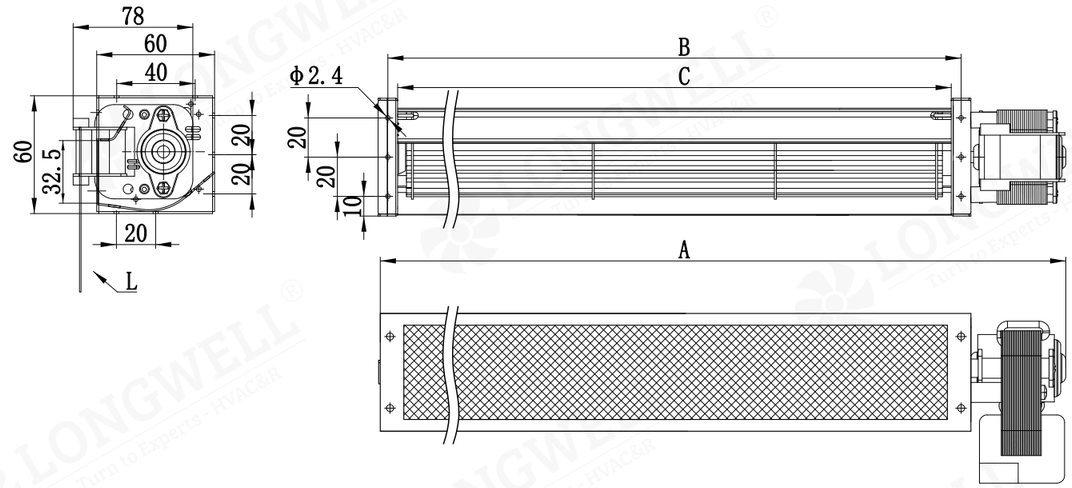


Technical Specifications

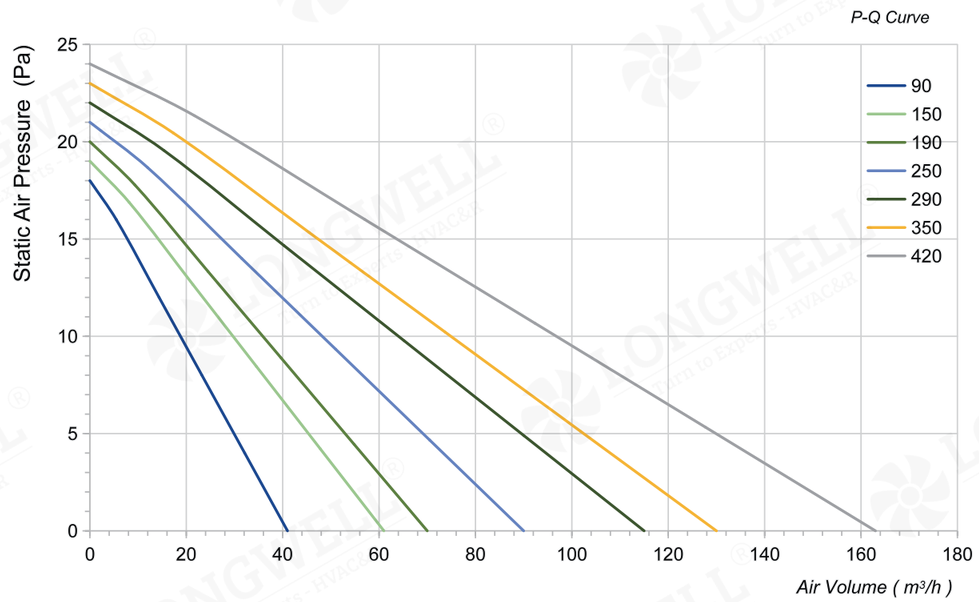
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCA-4390UN-06	158	108	98	115	60	17	3000	22	48	37	Single
LWCA-4390SN-07	158	108	98	230	50	14	2700	18	41	37	Single
LWCA-43150UN-06	218	170	160	115	60	17	3000	22	72	38	Single
LWCA-43150SN-07	218	170	160	230	50	15	2500	19	61	38	Single
LWCA-43190UN-06	265	208	198	115	60	18	2900	22	84	39	Single
LWCA-43190SN-07	265	208	198	230	50	15	2400	20	70	38	Single
LWCA-43250UN-06	316	260	250	115	60	22	2800	21	110	39	Single
LWCA-43250SN-07	316	260	250	230	50	19	2500	21	90	38	Single
LWCA-43290UN-06	370	310	300	115	60	23	2800	21	135	40	Single
LWCA-43290SN-07	370	310	300	230	50	19	2300	22	115	37	Single
LWCA-43350UN-06	417	358	348	115	60	21	2700	19	150	41	Single
LWCA-43350SN-07	417	358	348	230	50	21	2400	23	130	39	Single
LWCA-43420UN-06	491	430	420	115	60	22	2600	20	170	42	Single
LWCA-43420SN-07	491	430	420	230	50	21	2300	24	163	40	Single

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCA-45 Series

Product Characteristic

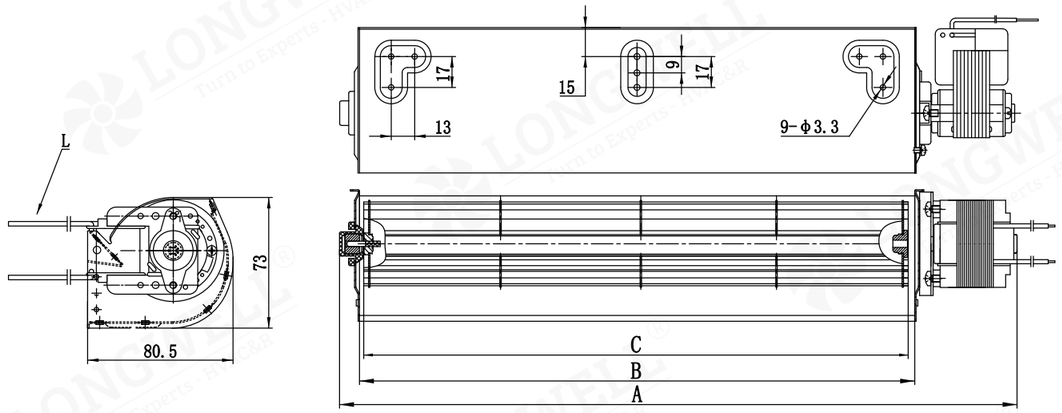
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



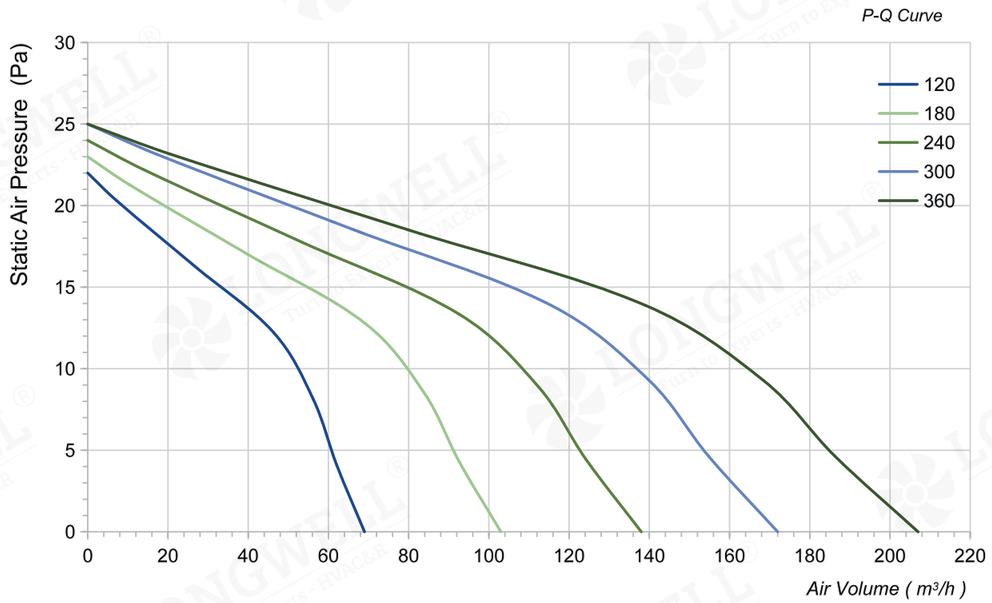
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-45120SN-06	194	126	120	230	50	16	1700	22	69	35	Single
LWCA-45180SN-06	254	186	180	230	50	18	1700	23	103	35	Single
LWCA-45240SN-06	314	246	240	230	50	21	1700	24	138	36	Single
LWCA-45300SN-06	374	306	300	230	50	23	1700	25	172	36	Single
LWCA-45360SN-06	434	366	360	230	50	26	1700	25	207	37	Single

Product Drawing (mm)



Flow Rate Curve



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LWCA-45 Series

Product Characteristic

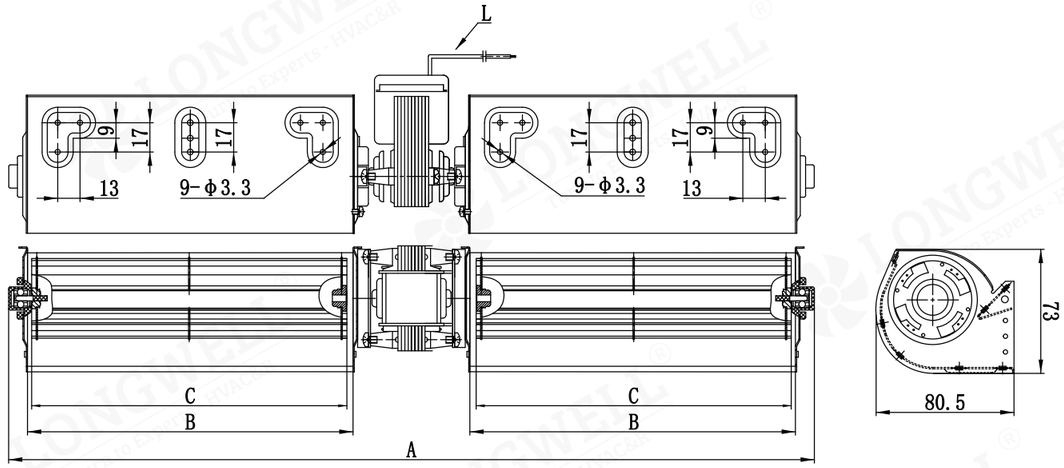
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



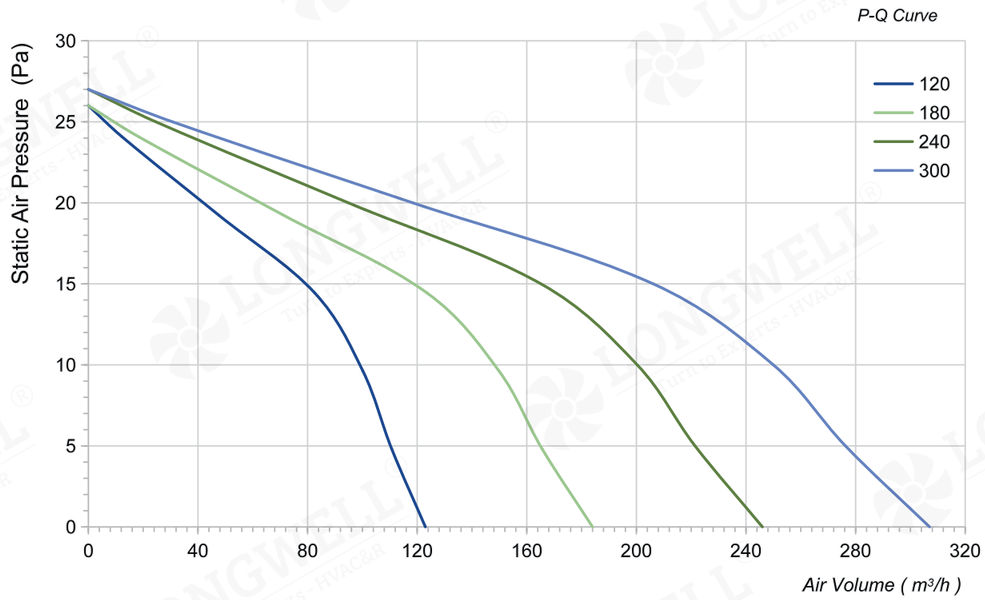
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCA-45120SN-07	348	126	120	230	50	28	1600	26	123	39	Double
LWCA-45180SN-07	468	186	180	230	50	30	1600	26	184	39	Double
LWCA-45240SN-07	588	246	240	230	50	33	1600	27	246	40	Double
LWCA-45300SN-07	708	306	300	230	50	36	1600	27	307	41	Double

Product Drawing (mm)



Flow Rate Curve



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

LWCA-50 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 115V/230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

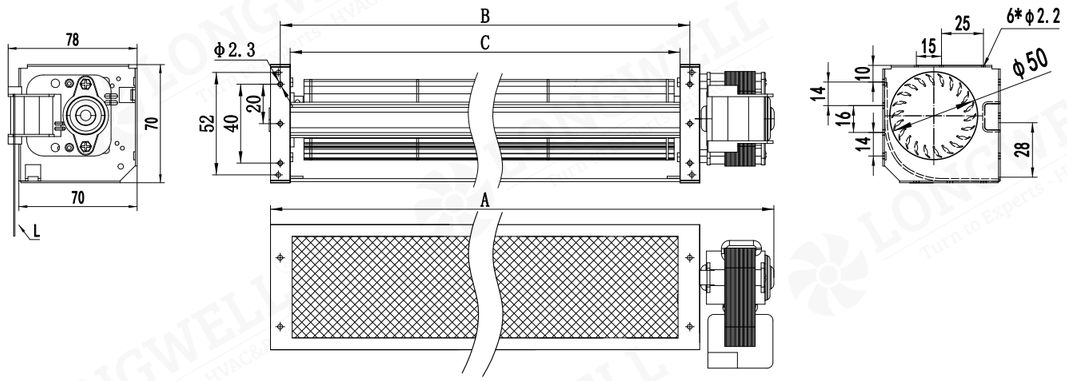


Technical Specifications

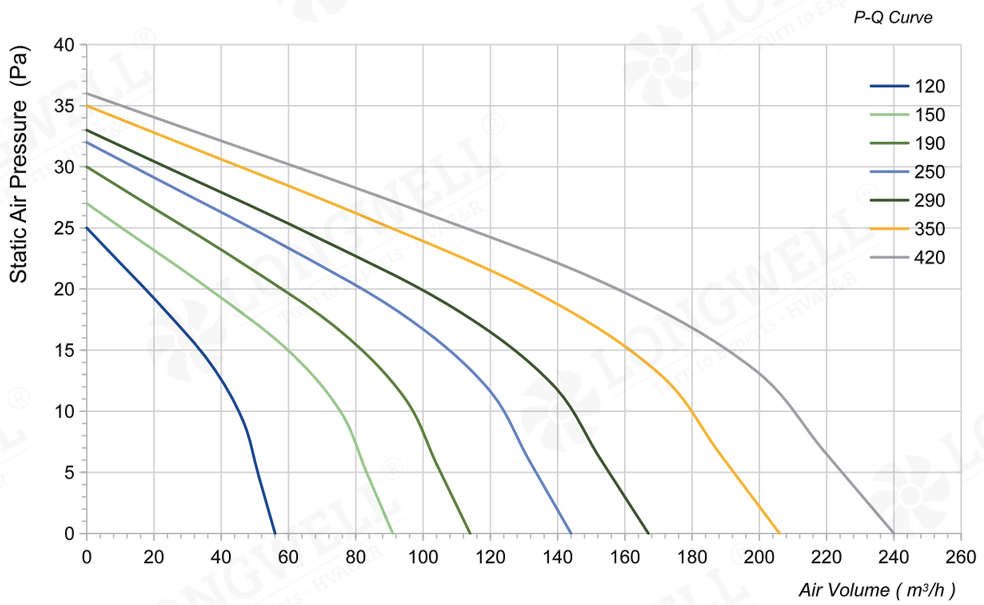
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-5090UN-06	163	108	98	115	60	10	2000	25	56	37	Single
LWCA-5090SN-07	163	108	98	230	50	10	2000	25	56	37	Single
LWCA-50150UN-06	223	168	158	115	60	12	2000	27	91	37	Single
LWCA-50150SN-07	223	168	158	230	50	11	2000	27	91	37	Single
LWCA-50190UN-06	263	208	198	115	60	13	2000	30	114	38	Single
LWCA-50190SN-07	263	208	198	230	50	11	2000	30	114	38	Single
LWCA-50250UN-06	318	260	250	115	60	14	2000	32	144	39	Single
LWCA-50250SN-07	318	260	250	230	50	12	2000	32	144	39	Single
LWCA-50290UN-06	368	300	290	115	60	16	2000	33	167	40	Single
LWCA-50290SN-07	368	300	290	230	50	15	2000	33	167	40	Single
LWCA-50350UN-06	428	368	358	115	60	19	2000	35	206	41	Single
LWCA-50350SN-07	428	368	358	230	50	17	2000	35	206	41	Single
LWCA-50420UN-06	488	428	418	115	60	20	2000	36	240	42	Single
LWCA-50420SN-07	488	428	418	230	50	18	2000	36	240	42	Single

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



Ningbo Longwell Electric Technology Co., Ltd
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LWCA-50 Series

Product Characteristic

- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

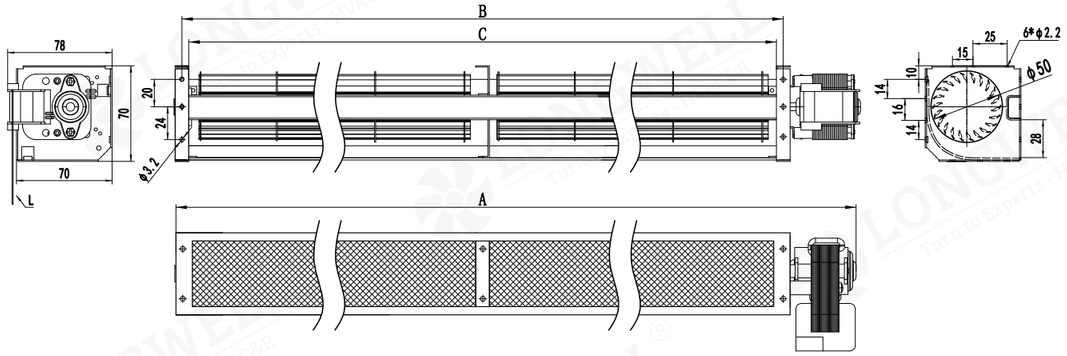


Technical Specifications

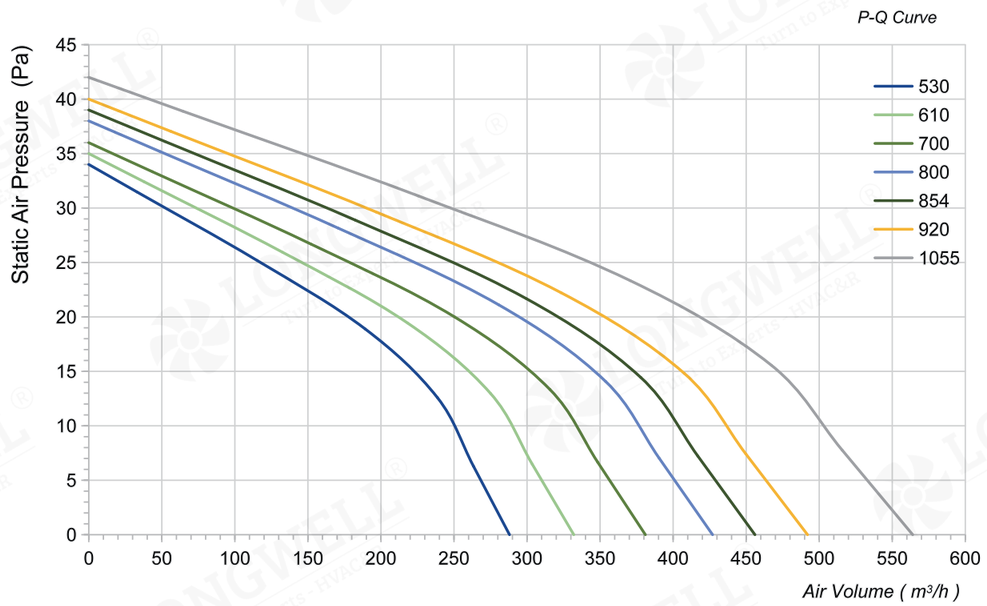
Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-50530SN-06	605	540	530	230	50	25	1800	34	288	42	Double
LWCA-50610SN-07	685	620	610	230	50	26	1800	35	332	42	Double
LWCA-50700SN-06	775	710	700	230	50	27	1800	36	381	43	Double
LWCA-50800SN-07	875	810	800	230	50	30	1800	38	427	43	Triple
LWCA-50854SN-06	929	864	854	230	50	31	1800	39	456	43	Triple
LWCA-50920SN-07	995	930	920	230	50	33	1800	40	492	44	Triple
LWCA-501055SN-06	1130	1065	1055	230	50	35	1800	42	564	44	Triple

Note: Code -"N" denotes that" fan without safety Grid, "G" denotes that "fan with safety Grid".

Product Drawing (mm)



Flow Rate Curve



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LWCA-60 Series

Product Characteristic

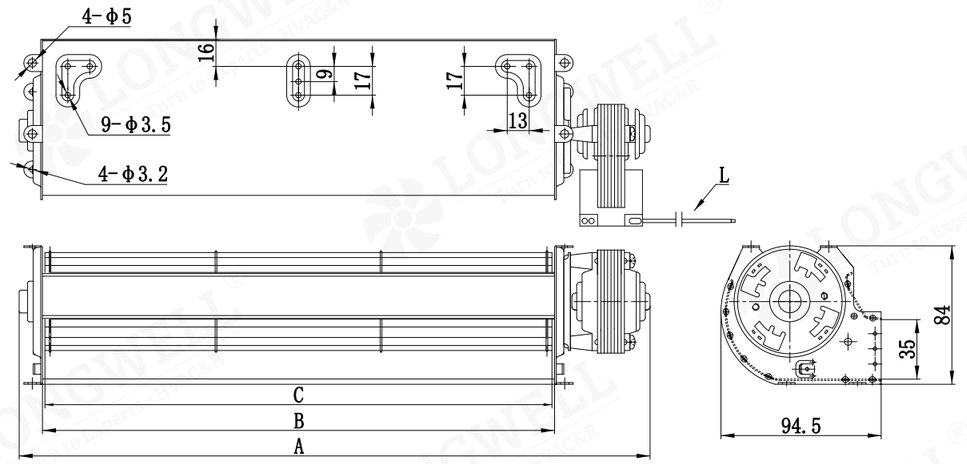
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



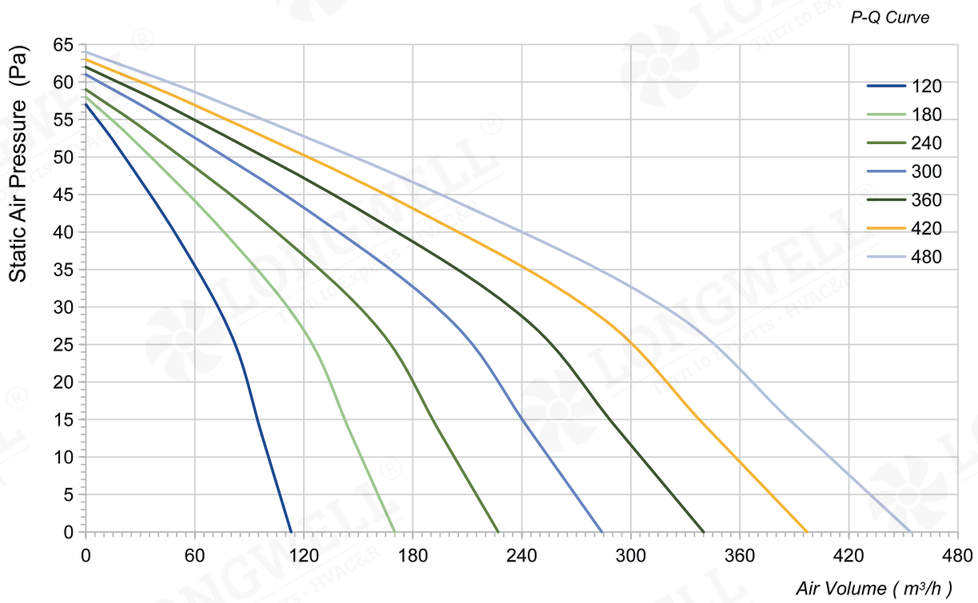
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCA-60120SN-06	194	123	120	230	50	15	1700	57	113	44	Single
LWCA-60180SN-06	254	183	180	230	50	20	1700	58	170	46	Single
LWCA-60180SN-14	/	181	178	220	50	23	1600	61	136	46	Single
LWCA-60240SN-06	314	243	240	230	50	25	1700	59	227	46	Single
LWCA-60300SN-06	374	303	300	230	50	30	1700	61	284	47	Single
LWCA-60300SN-15	386	303	300	220	50	16	1200	75	290	55	Single
LWCA-60360SN-06	434	363	360	230	50	33	1700	62	340	48	Single
LWCA-60420SN-06	494	423	420	230	50	36	1700	63	397	49	Single
LWCA-60480SN-06	554	483	480	230	50	40	1700	64	454	50	Single

Product Drawing (mm)



Flow Rate Curve



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LWCA-60 Series

Product Characteristic

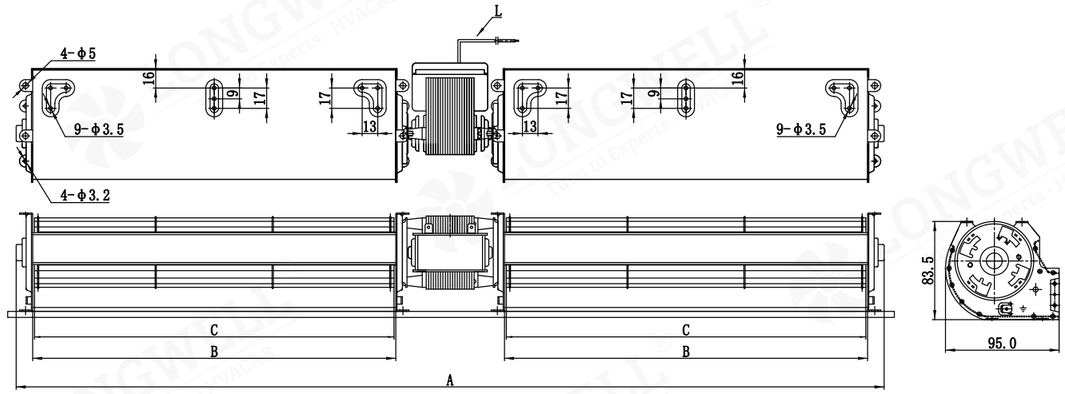
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃



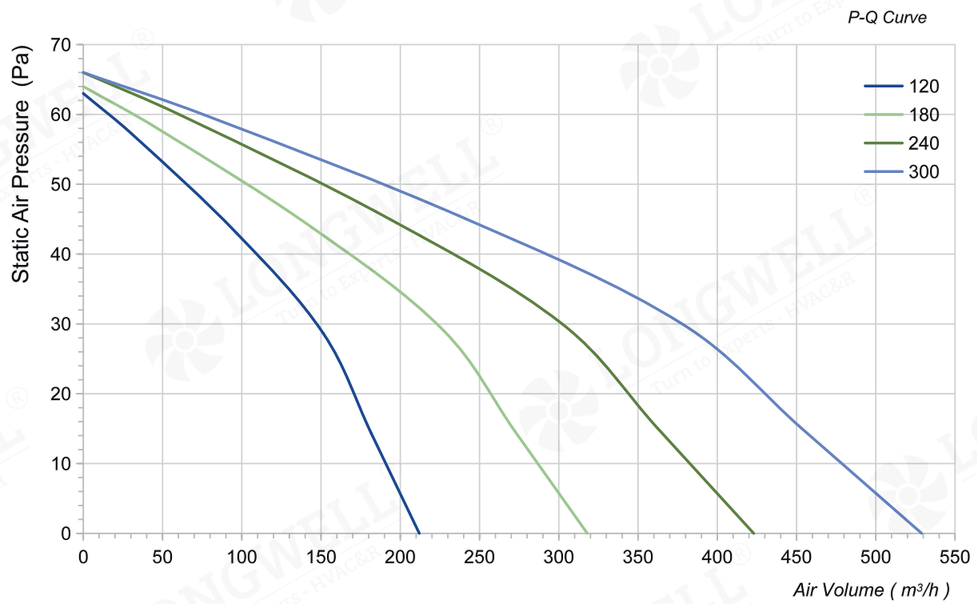
Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-60120SN-07	365	123	120	230	50	28	1700	63	212	47	Double
LWCA-60180SN-07	485	183	180	230	50	31	1700	64	318	48	Double
LWCA-60240SN-07	605	243	240	230	50	37	1700	66	423	49	Double
LWCA-60300SN-07	725	303	300	230	50	43	1700	66	529	50	Double

Product Drawing (mm)



Flow Rate Curve



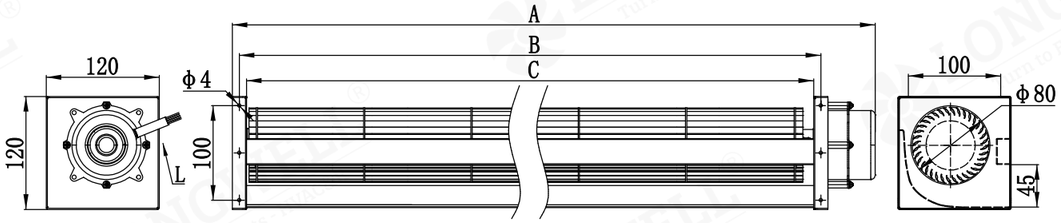
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LWCA-80 Series

Product Characteristic

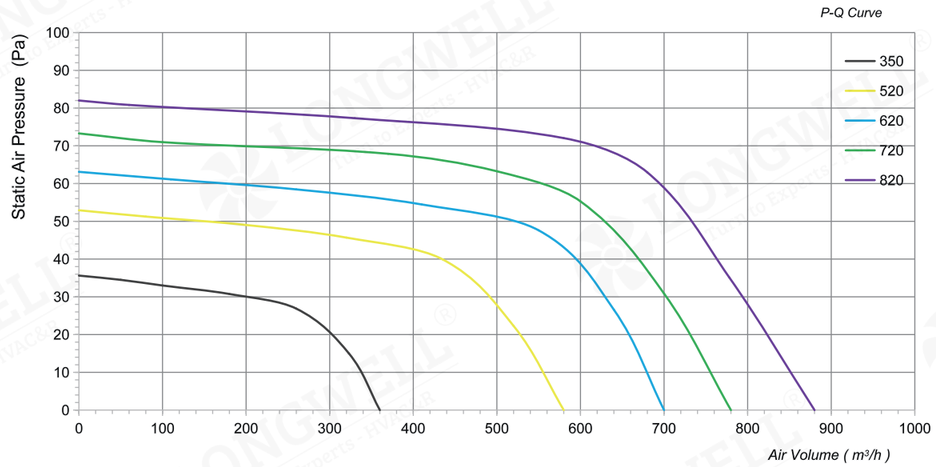
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-80350SN-06	446	365	350	230	50	28	1350	36	360	51	Single
LWCA-80520SN-06	616	535	520	230	50	32	1350	53	580	53	Single
LWCA-80620SN-06	716	635	620	230	50	35	1350	63	700	54	Single
LWCA-80720SN-06	816	735	720	230	50	38	1350	73	780	55	Single
LWCA-80820SN-06	916	835	820	230	50	40	1350	82	880	56	Single

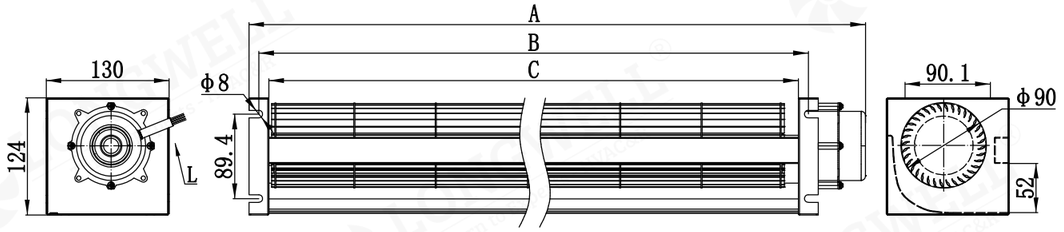


LWCA-90 Series

Product Characteristic

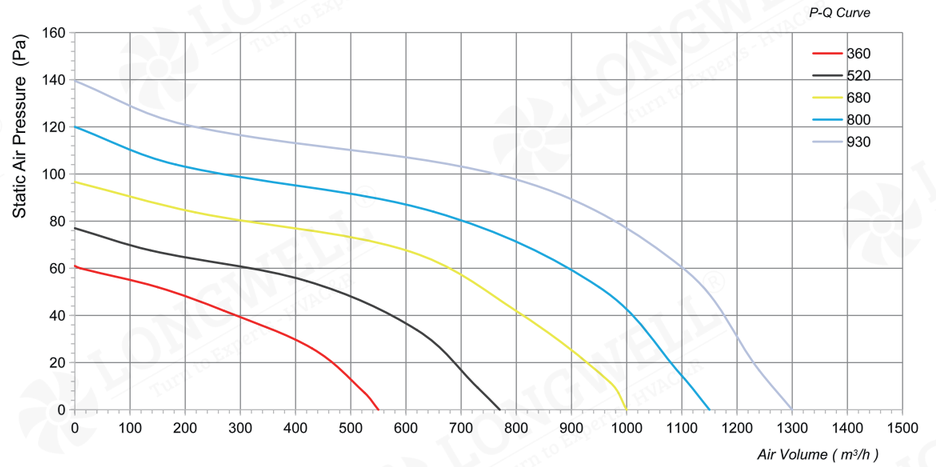
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-90360SN-06	462	381	360	230	50	33	1350	61	550	53	Single
LWCA-90520SN-06	627	546	520	230	50	55	1350	77	770	54	Single
LWCA-90680SN-06	782	701	680	230	50	72	1350	97	1000	55	Single
LWCA-90800SN-06	902	821	800	230	50	83	1350	120	1150	58	Single
LWCA-90920SN-06	1032	951	930	230	50	93	1350	140	1300	59	Single



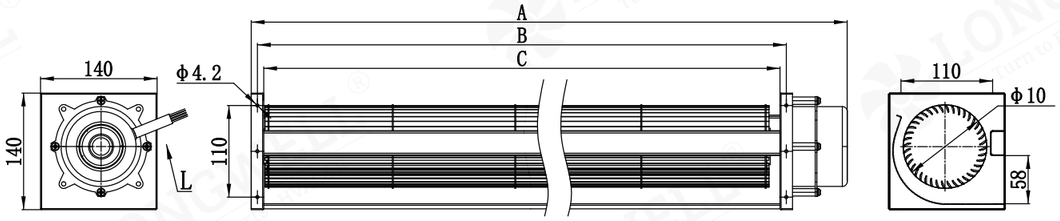
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https://www.longwellfans.com Email:sales@zjlongwell.com

LWCA-100 Series

Product Characteristic

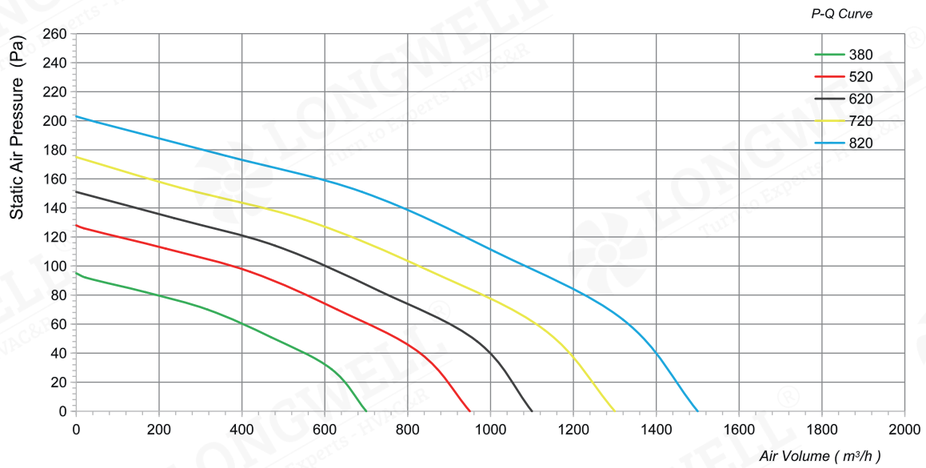
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-100380SN-06	476	395	380	230	50	60	1400	95	700	55	Single
LWCA-100520SN-06	616	535	520	230	50	75	1400	128	950	58	Single
LWCA-100620SN-06	716	635	620	230	50	90	1400	151	1100	59	Single
LWCA-100720SN-06	816	735	720	230	50	100	1400	175	1300	60	Single
LWCA-100820SN-06	916	820	820	230	50	110	1400	203	1500	61	Single

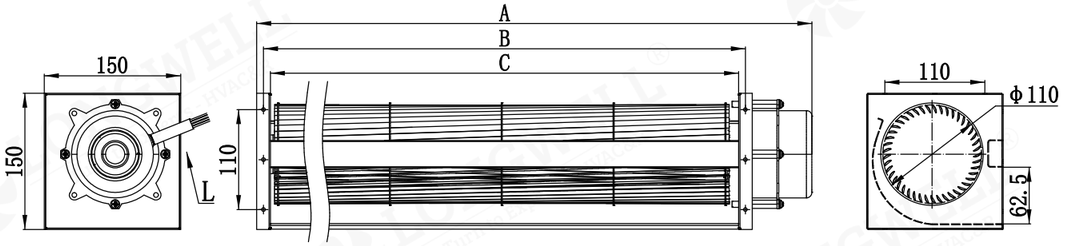


LWCA-110 Series

Product Characteristic

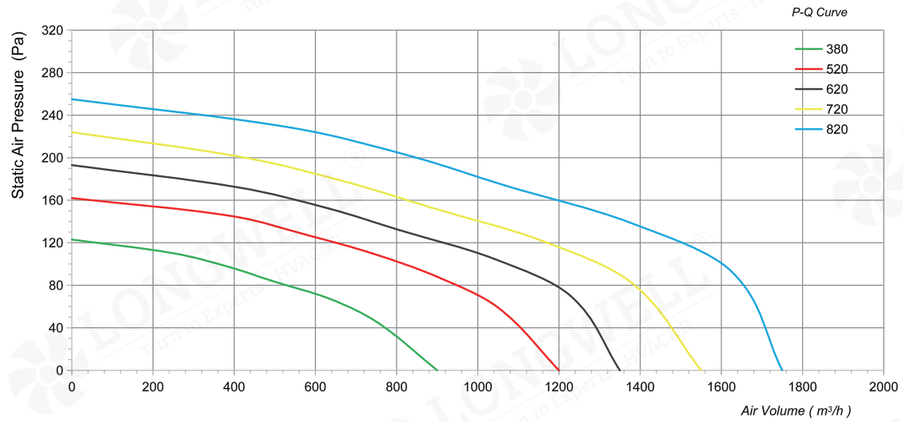
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-110380SN-06	476	395	380	230	50	90	1250	123	900	61	Single
LWCA-110520SN-06	616	535	520	230	50	95	1250	162	1200	63	Single
LWCA-110620SN-06	716	635	620	230	50	100	1250	193	1350	66	Single
LWCA-110720SN-06	816	735	720	230	50	105	1250	224	1550	67	Single
LWCA-110820SN-06	916	835	820	230	50	115	1250	255	1750	68	Single
LWCA-110820UN-07	916	835	820	115	60	115	1250	255	1750	68	Single



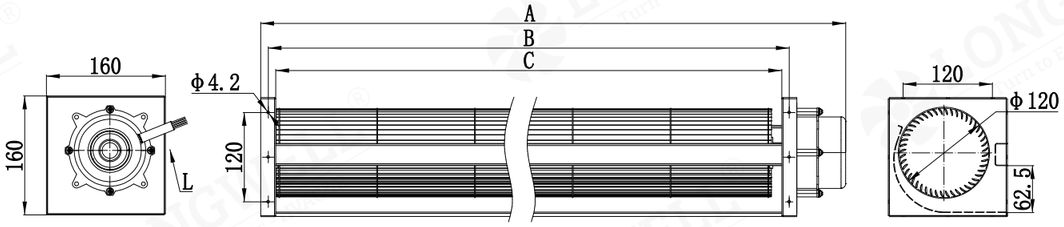
LONGWELL®
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LWCA-120 Series

Product Characteristic

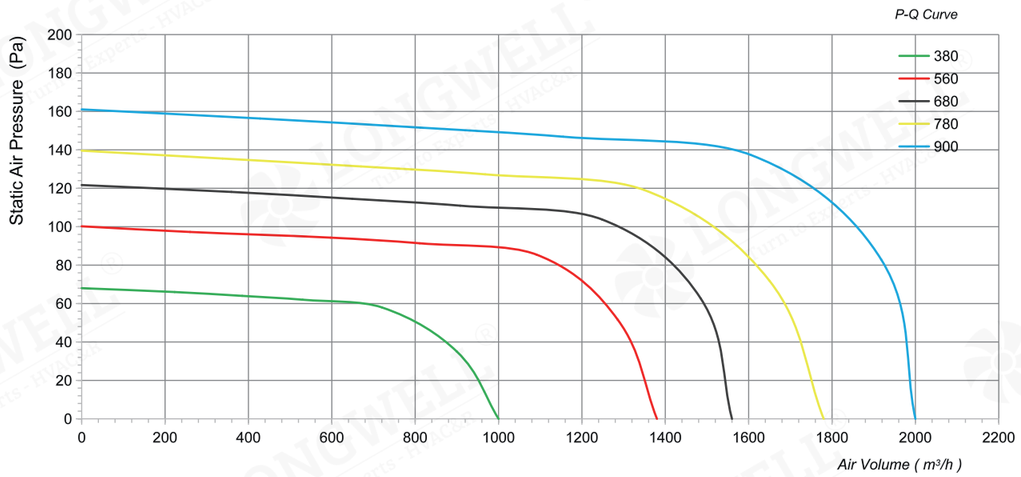
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-120380SN-06	504	400	380	230	50	109	1350	68	1000	63	Single
LWCA-120560SN-06	684	580	560	230	50	120	1350	100	1380	65	Single
LWCA-120680SN-06	804	700	680	230	50	135	1350	122	1560	67	Single
LWCA-120780SN-06	904	800	780	230	50	150	1350	140	1780	71	Single
LWCA-120900SN-06	1024	920	900	230	50	170	1350	161	2000	72	Single

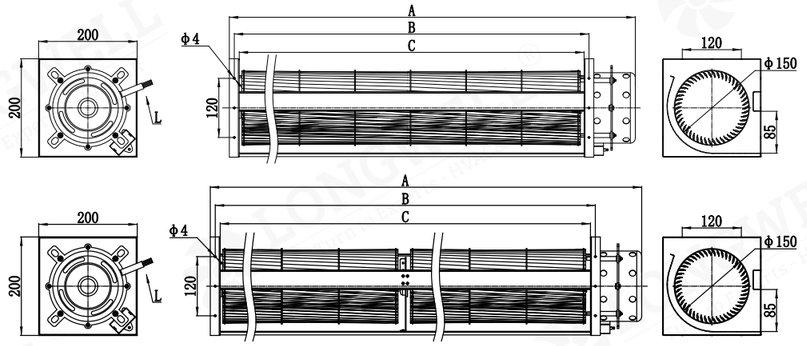


LWCA-150 Series

Product Characteristic

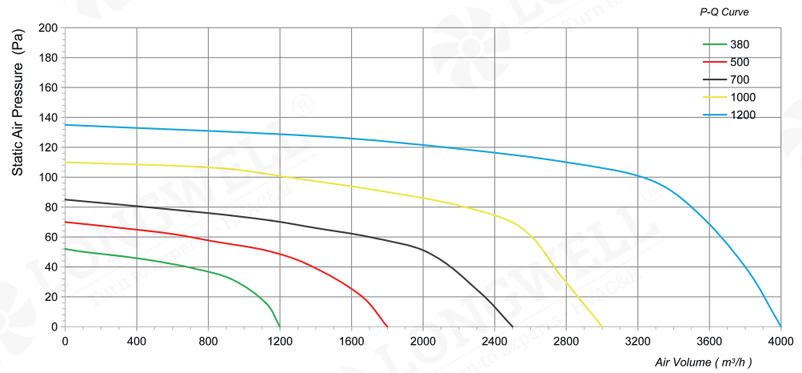
- Motor Type : AC Shaded Pole Motor
- Voltage : 230V
- Housing Material : Galvanized Sheet Steel
- Blade Material : Aluminum Alloy
- Insulation Class : B/F/H
- Mode Of Operation : S1
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃





Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-150380SN-06	504	400	380	230	50	170	1000	52	1200	69	Single
LWCA-150500SN-06	624	520	500	230	50	190	1000	70	1800	70	Single
LWCA-150700SN-06	824	720	700	230	50	180	800	85	2500	71	Single
LWCA-1501000SN-06	1124	1020	1000	230	50	195	800	110	3000	72	Double
LWCA-1501200SN-06	1324	1220	1200	230	50	210	800	135	4000	75	Double



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EC Cross Flow Fan

Professional HVAC Fan &Motors Manufacturer



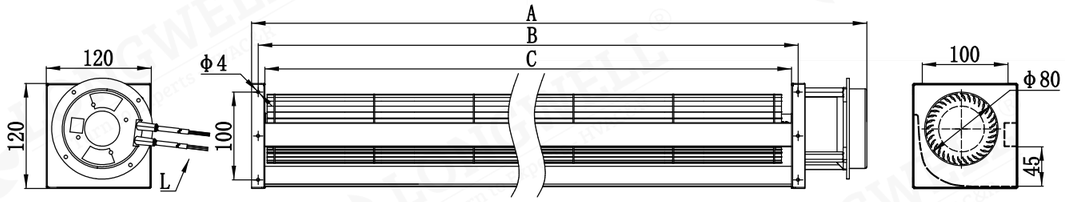
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LWCE-80 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

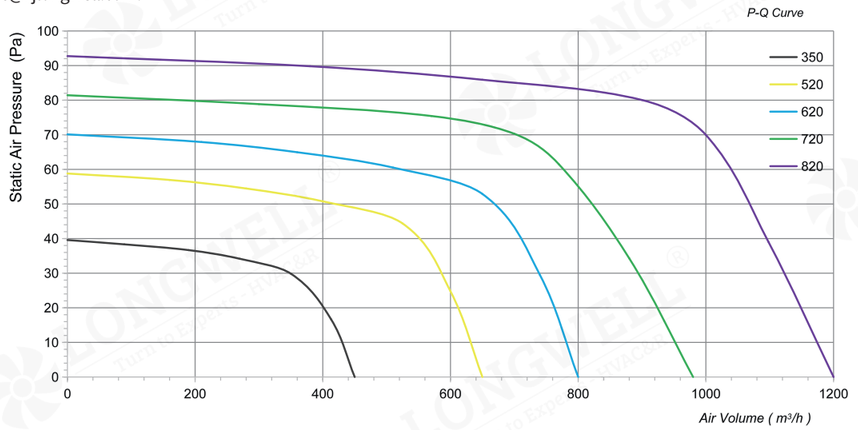




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCE-80350SN-06	473	365	350	230	50/60	16	1500	40	450	51	Single
LWCE-80520SN-06	643	535	520	230	50/60	23	1500	59	650	53	Single
LWCE-80620SN-06	743	635	620	230	50/60	31	1500	70	800	54	Single
LWCE-80720SN-06	843	735	720	230	50/60	39	1500	81	980	55	Single
LWCE-80820SN-06	943	835	820	230	50/60	52	1500	93	1200	56	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



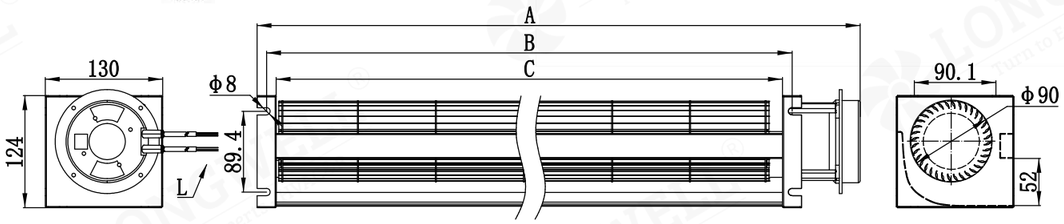
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LWCE-90 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

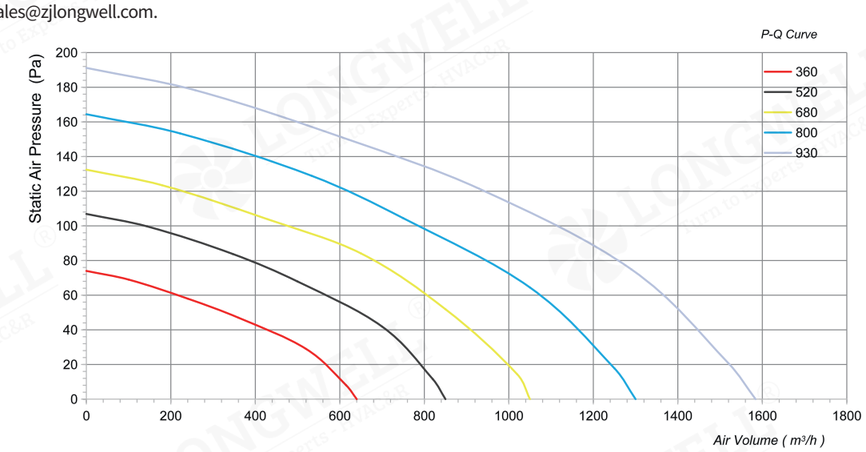




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCE-90360SN-06	489	381	360	230	50/60	27	1500	74	640	53	Single
LWCE-90520SN-06	654	546	520	230	50/60	40	1500	107	850	54	Single
LWCE-90680SN-06	809	701	680	230	50/60	60	1500	132	1050	55	Single
LWCE-90800SN-06	929	821	800	230	50/60	64	1500	164	1300	58	Single
LWCE-90930SN-06	1059	951	930	230	50/60	68.7	1500	191	1584	59	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

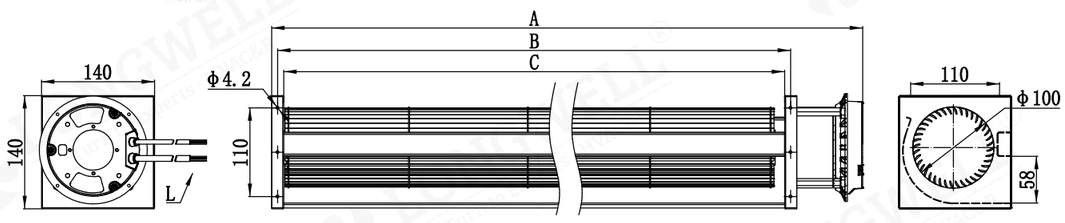


LWCE-100 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

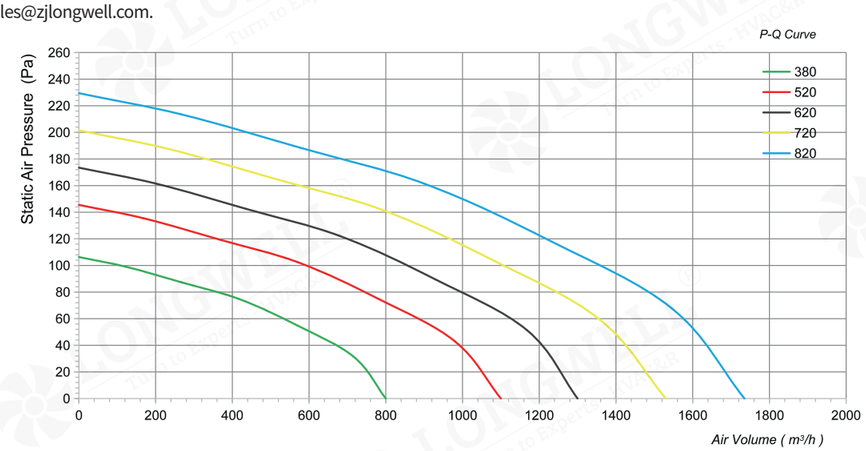




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCE-100380SN-06	503	395	380	230	50/60	32	1500	106	800	55	Single
LWCE-100520SN-06	643	535	520	230	50/60	55	1500	145	1100	58	Single
LWCE-100620SN-06	739	635	620	230	50/60	70	1500	173	1300	59	Single
LWCE-100720SN-06	839	735	720	230	50/60	75	1500	201	1530	60	Single
LWCE-100820SN-06	939	835	820	230	50/60	80	1500	229	1735	61	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



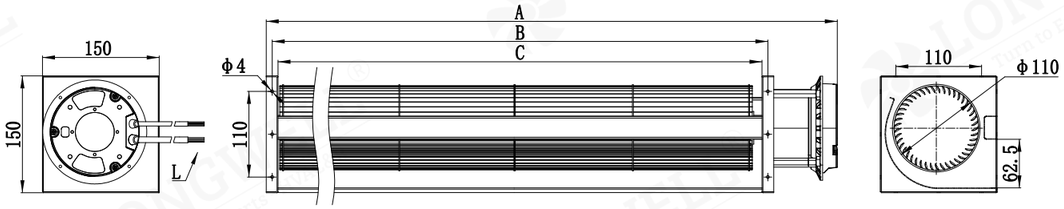
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LWCE-110 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

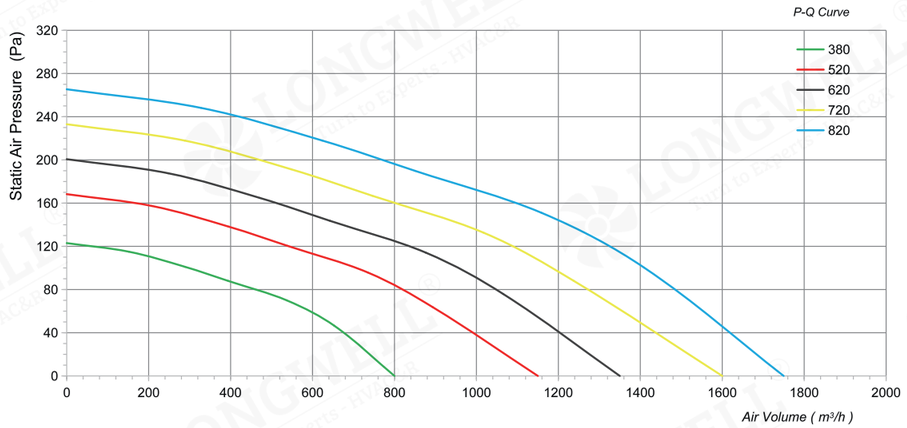




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCE-110380SN-06	499	395	380	230	50/60	70	1200	123	800	61	Single
LWCE-110520SN-06	639	535	520	230	50/60	100	1200	168	1150	63	Single
LWCE-110620SN-06	739	635	620	230	50/60	120	1500	201	1350	66	Single
LWCE-110720SN-06	839	735	720	230	50/60	132	1500	223	1600	67	Single
LWCE-110820SN-06	975	835	820	230	50/60	146	1500	265	1750	68	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.

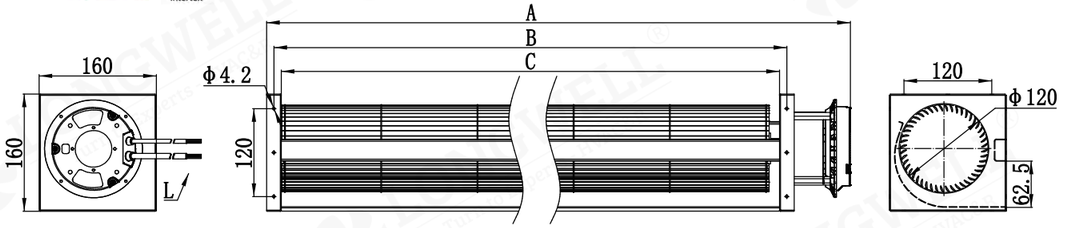


LWCE-120 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

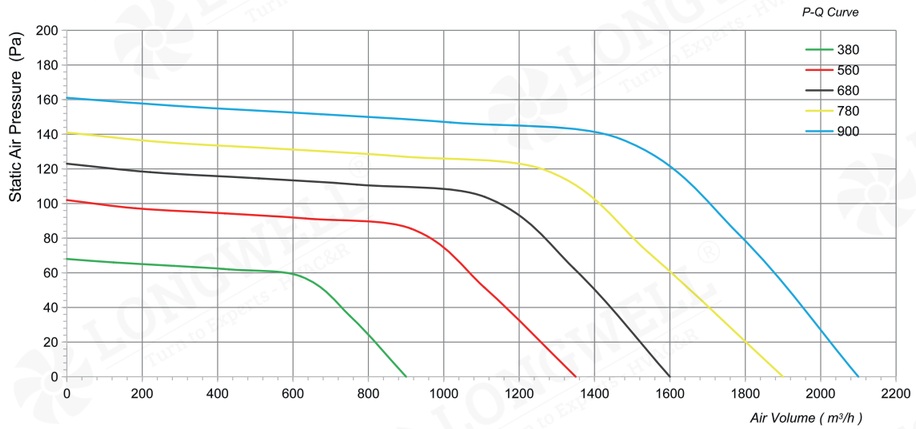




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCE-120380SN-06	504	400	380	230	50/60	53	1350	68	900	63	Single
LWCE-120560SN-06	684	580	560	230	50/60	70	1350	102	1350	65	Single
LWCE-120680SN-06	804	700	680	230	50/60	80	1350	123	1600	67	Single
LWCE-120780SN-06	940	800	780	230	50/60	92	1350	141	1900	71	Single
LWCE-120900SN-06	1060	920	900	230	50/60	105	1350	161	2100	72	Single

Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



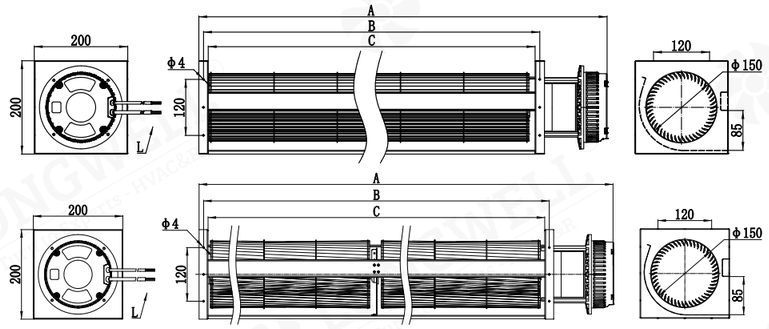
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LWCE-150 Series

Product Characteristic

- Motor Type : EC External Rotor Motor
- Voltage : 230V
- Housing Material : Steel+Aluminum Alloy
- Blade Material : Aluminum Alloy
- Insulation Class : B
- Speed Control : 0-10V/PWM
- Signal Output : FG
- Bearing Type: Ball bearing
- Operation Temperature : - 25 ℃ ~ +60 ℃

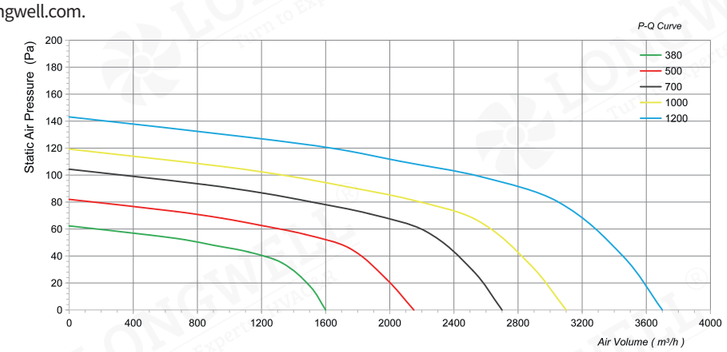




Technical Specifications

Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m^3/h)	Noise [dB(A)]	Blower
LWCE-150380SN-06	504	400	380	230	50/60	70	1100	62	1600	69	Single
LWCE-150500SN-06	624	520	500	230	50/60	145	1100	82	2150	70	Single
LWCE-150700SN-06	860	720	700	230	50/60	250	1000	104	2700	71	Single
LWCE-1501000SN-06	1160	1020	1000	230	50/60	350	800	119	3100	72	Double
LWCE-1501200SN-06	1360	1220	1200	230	50/60	450	800	143	3700	75	Double

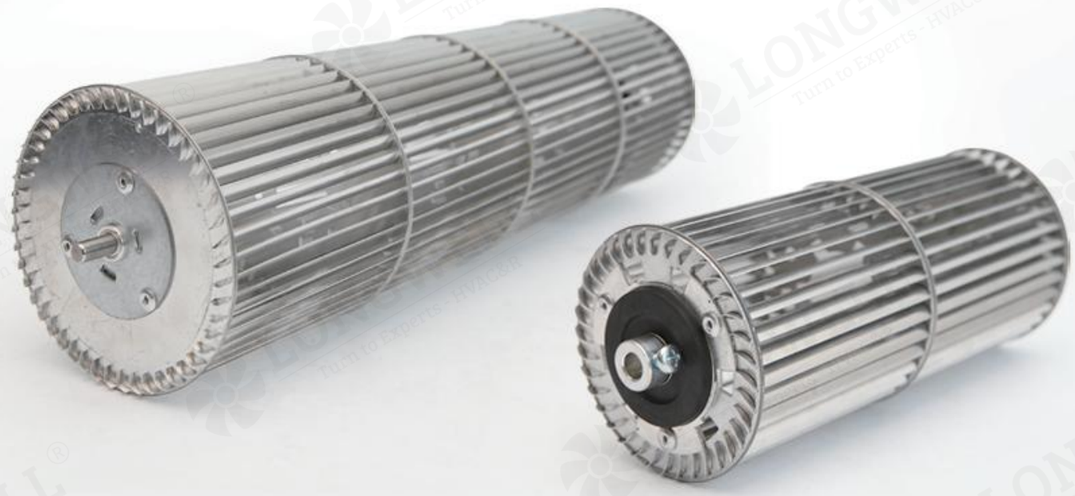
Note: All models listed above are controlled via 0-10V analog voltage input; for PWM speed control, please contact our sales representative or sales@zjlongwell.com.



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Cross Flow Impeller

Professional HVAC Fan &Motors Manufacturer



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Cross Flow Impeller

Product Characteristic

- Features: Low Noise; High Air-Quqantity; Good Balance; Hightensile; Lightinweight.
- Used: Electrical Fireplace,Microwave, Dishwasher,Warmer, Air-Conditioner, Air Curtain, Air Door, Groud-heating, Air-condition, electron cooling, aeration cooling, Vehicle Air-condition, etc.



Technical Specifications

Wheel Dia	Wheel Length	Number Of Blade	Wheel Material
Φ 30	150,200,250,300,350	20	Aluminum Alloy Plate
Φ 43	135,150,180,200,240,300	20	
Φ 45	115,150,180,200,240,300	20	
Φ 52	141,...360	20	
Φ 60	120,180,240,300,360,420,480	22/24	
Φ 65	180,240,300,350,...480	22	
Φ 71	145,...600	25	
Φ 81	145,380,391,480,550,630,...800	30	
Φ 90	145,380,391,480,550,630,...800	35	
Φ 100	360,480,550,630,700,...1000	40	
Φ 110	360,480,550,635,700,...1000	45	
Φ 120	360,480,550,660,680,706,...1000	48	
Φ 150	360,480,515,580,660,680,810,880,...1050	50	

Note: