



ASIA VITAL COMPONENTS CO., LTD.
www.avc-europa.de

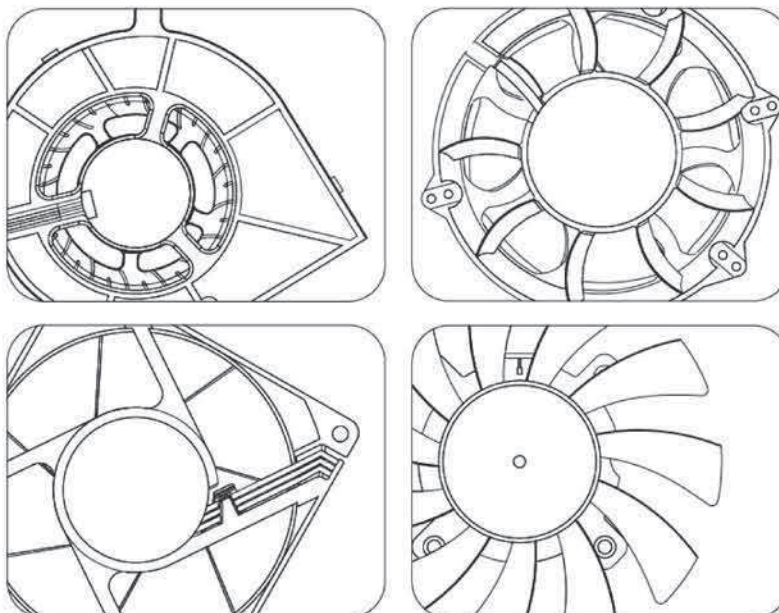


AVC FAN Ver.00 2016

Activate your Ventilation Channel

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Company Introduction



Asia Vital Components Co., LTD (AVC Group) (Taiwan listed company TSE: 3017) is a global company who specialize in the total thermal solutions since 1991. Within 3 decades, we develop and manufacture the diverse product range –DC Fan, AC Fan, EC Fan, Fan Tray, Heat Sink, Heat Pipe, Vapor Chamber, and modularized total thermal solutions which are quality assured upon our strict quality system certified by ISO9001, ISO14001, OHSAS18001, S8000, ANSI/ESD S20.20, QC080000, TS-16949, and etc.

AVC group has it's headquarter based in Taiwan and more than 10,000 employees worldwide – includes 600 engineers and several branch offices globally. With the continuous innovation, AVC owns more than 1,700 technical patents.

Asia Vital Components Europa GmbH (AVC EU) is a subsidiary company of AVC group. With the professional sales team and well logistic operation, AVC EU extends the satisfactory service to the customers in EMEA regions.

Certification

We strictly implement the Quality Assurance System to every operation process to ensure that every product we deliver to your hand has the good quality, long reliability and high consistence.

- ISO 9001:2008
- QC080000
- TL9000
- TS16949
- OHSAS1800
- ISO14001



Company Introduction

Quality Engineering

AVC has the complete and sophisticated Test Labs which are with the updated advanced equipment and the Labs are certified by ISO17025.

In Performance Lab

We can perform a series of test to evaluate or verify the performance of the product prototype including : Sound Power, Sound Pressure, Sound Quality, Wind Tunnel, and Heat Transfer tests.

In Measuring Lab

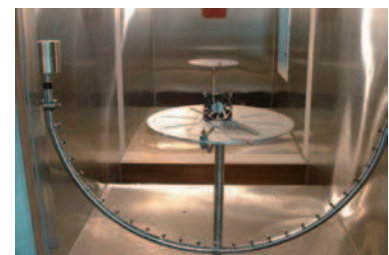
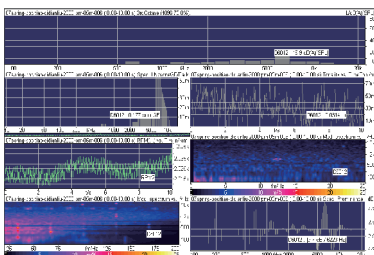
Sophisticated CMM (Coordinate Measuring Machine) instruments help us to maintain the precise physical specifications of the product.

In the Reliability Lab

AVC is capable of carrying out all kind of test to ensure the product can fulfill the strict requirements of customers. We can perform: Temperature Test (High and low temperature), Damp Test, Thermal Shock Test, Auto Monitor Life Test, Salt Mist Test, Dust Proof and Water Proof Test, Vibration Test and etc. The most advanced HALT (High Acceleration Life Test) can perform aging test in the short period and help engineer to locate design and structure problem.

In the RoHS Lab

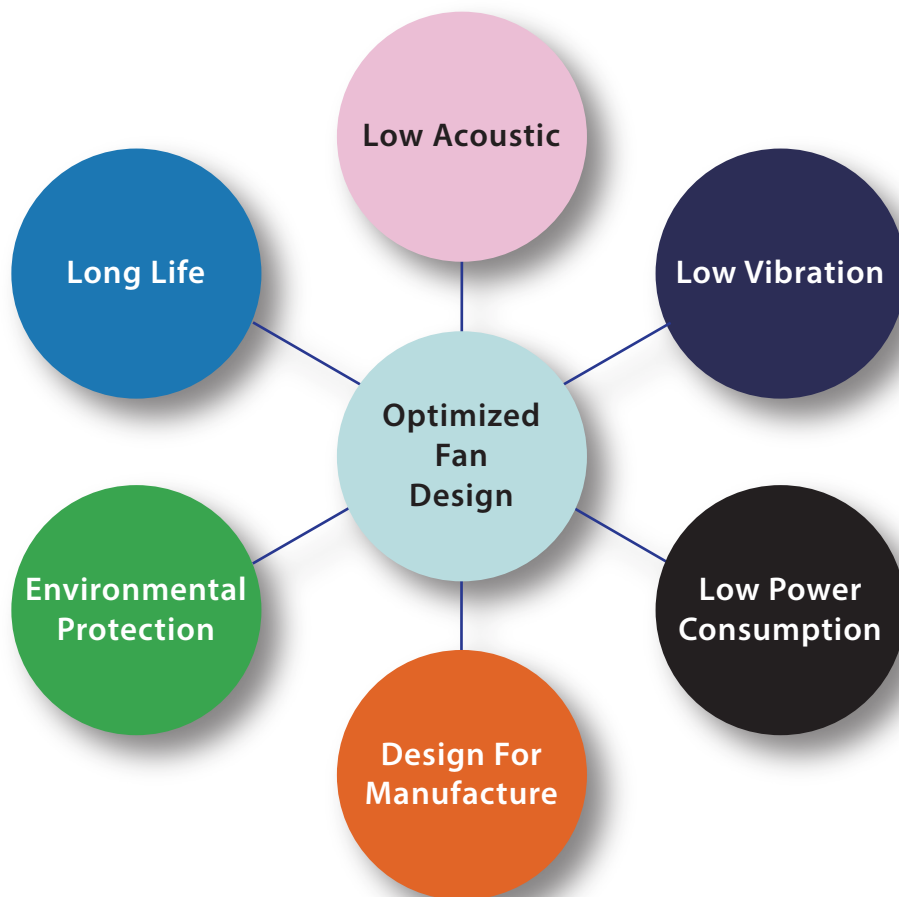
In order to fulfill the requirements of RoHS instructions, AVC can also conduct full RoHS tests with XRF, ICP-OES 2000DV, UV-Vis, Gas Chromatography and Mass Spectrometer.



Company Introduction

Product Feature

Our continuous dedication and the innovation to the new technologies of the total thermal solutions enable us to assistant our customers from every industries to be at the leading position. Till today, we remain committed to this spirit and keep driving ourselves to the new applications and potential trend.



Fan Tray Technology

Fan Trays

AVC is one of the professional Fan Tray designers and manufacturers, the products of which are widely used in various industries such as Power System, Telecom Equipment, and Server etc...

AVC offers normal Fan Tray Assembly including 1x2, 2x3 or 3x3 model, which provides fast and high-efficient cooling ability and is easy for installation and operation.

The Fan Tray is possession of extensive function and setting up interface for users to complete programmable regulation of voltage, current, power and rotation speed according to customer's requirements.

In additional, our Expert Team can develop the specific program to optimize the operational interface.

AVC uses different communication protocols like 12C, RS232, and RS485 etc... To allow remote access data and electronic label upload and download.

We continuously optimize products in the early design stage through system analysis, simulation, verification and integrated production knowledge and proficient technique to reach different customers requirements.

Applications

- Electronics Cooling
- Power Supplies
- Telecommunications Equipment
- Server Equipment
- Ventilation system

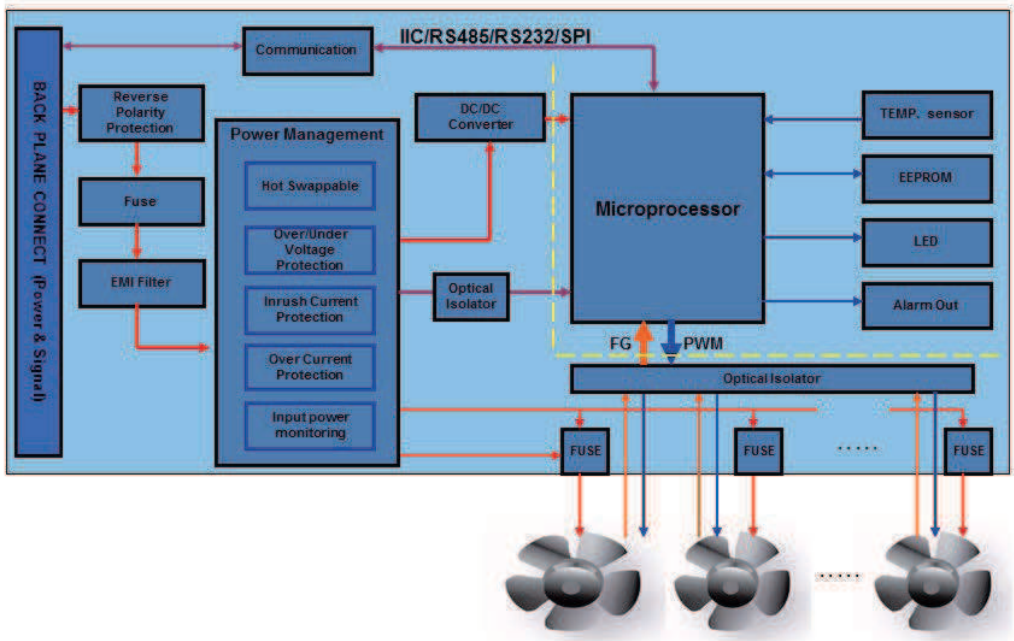
Features

- Wide Input range 19VDC~75VDC
- Low Voltage Shutdown and Startup
- Includes soft start and current limiting at start up
- Accepts and diode ORs dual power feeds
- Over voltage and over current protection
- Reverse polarity protection
- Hot-Swap Inrush current protection
- Programmable control mode options
- Function fail alarm Indication
- Thermal detect and fan speed control
- PWM or voltage control speed
- Isolated control inputs or outputs
- Redundant power feeds
- Communication function 12C/RS232/RS485...etc
- Custom design is accepted(ODM & OEM Design)



Fan Tray Technology

General Hardware Block Diagram



Control Functions

Description	Parameter	Server	Telecom		
			Fixed Access	Radio Access	Core Access
Voltage Input	48VDC		•	•	•
	24VDC		•	•	•
	12VDC	•			
Over current protection		•	•	•	•
Over voltage protection		•	•	•	•
Over temperature protection		•	•	•	•
Hot-Swap inrush current protection	Driver IC	•	•	•	•
	RC	•	•	•	•
Fan speed detector	FG	•	•	•	•
	RD	•	•	•	•
Temperature detector		•	•	•	•
Fan failure alarm output	I/O	•	•	•	•
	LED	•	•	•	•
Over temperature or thermal fail alarm output	I/O	•	•	•	•
	LED	•	•	•	•
Fan speed settings	PWM	•	•	•	•
	A/D	•	•	•	•
Programmable fan speed control	Auto mode.	•	•	•	•
	Control mode.	•	•	•	•
Communication	12C	•			•
	RS232		•	•	•
	RS485		•	•	•
Remote initial program load	12C	•	•	•	•
	RS485	•	•	•	•

Other Service and Products



Fan Tray



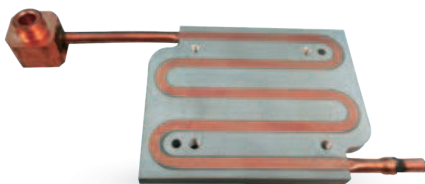
Heatpipe



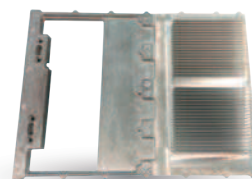
Vapor Chamber



HP+Insert Fin HS



Cold Plate



Die Casting Insert Molding
Extrusion HS

Type of Fans

Axial Fans

Our axial fans are offered in numerous families with the enhanced performance for the diverse and demanding applications and your multiple requirements.



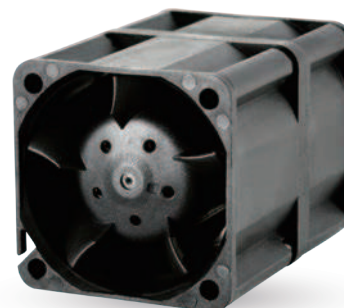
DB fan series – Integrated stator airfoil blade

Fans designed to provide higher static pressure with similar flow delivery as a similar DA series fan.



DV fan series – Overlapping impeller

Fans designed to work in systems with large impedance (airflow resistance).



DF fan series – Multiple rotating impellers and motor drives in series

High performance fans designed to produce very high static pressure in a small form-factor.



EC fan series

EC fans are driven by energy-saving DC motor and connected directly to an AC power supply. Variable speed control options can be added upon customer's request to ensure optimal operating efficiency.



DY fan series – Winglet impeller

Fans designed to allow noise reduction by 1-2dBA.



DA series – Single impeller

Fans with low noise characteristics. They are suitable for most applications.



Radial Fans

Radial fans are good for applications with high back pressure and low flow volume. Flow is turned 90 degrees inside the fan. Options for with or without enclosure are available. The enclosure is to enhance air pressure and control exit flow direction. Large radial fans (120+cm) are typically supplied without the enclosure and appropriate inlet arrangement is recommended at installation.

Typical fan characteristics at free-air condition except maximum air pressure which is measured at zero flow delivery.

General product information such as construction material, storage temperature, operating temperature (B: Ball bearing, R/S: Hydraulic/Sleeve bearing) and product weight.



D

SERIES 25*25*10 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
Part NO.	B R S	5	4.5~5.5	0.08	0.40	7000	0.04	1.32	1.90	0.07	20.0
D2510_05L	B R S	5	4.5~5.5	0.08	0.40	7000	0.04	1.32	1.90	0.07	20.0
D2510_12L	B R S	12	7.0~13.2	0.07	0.84	7000	0.04	1.32	1.90	0.07	20.0
*D2510_05M	B R S	5	4.5~5.5	0.13	0.65	10000	0.05	1.85	4.40	0.17	23.5
*D2510_12M	B R S	12	7.0~13.2	0.10	1.20	10000	0.05	1.85	4.40	0.17	23.5
*D2510_05H	B R S	5	4.5~5.5	0.22	1.10	13000	0.07	2.41	7.30	0.29	28.0
D2510_12H	B R S	12	7.0~13.2	0.12	1.44	13000	0.07	2.41	7.30	0.29	28.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

*Function type is optional.

*All reading are typical values at rated voltage

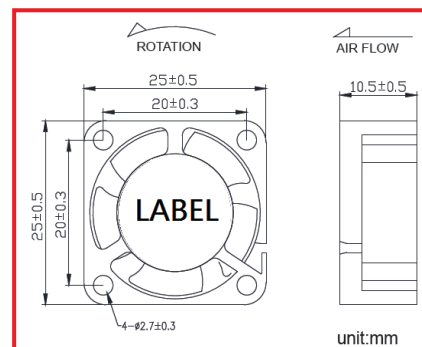
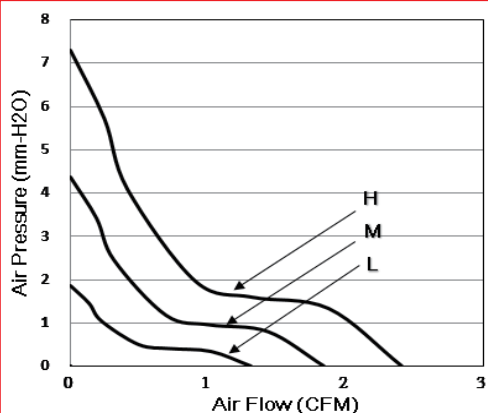
*Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

*Weight : 7g

The chart illustrates the fan performance at rated voltage.

The drawing illustrates the critical dimensions and may not be to scale. Dimensions of the recommended mounting panel cut-out is also provided.



Type Code & Glossary

D	A	T	A	07	20	B	2	U	—	F	A	R
I	II		III	IV	V	VI	VII	VIII	IX	X	XI	XII

I FAN CLASSIFICATION

D : Axial Fan
B : Blower

II FAN TYPE

A : General Fan B : Double Fan C : Low Power Fan
E : Low Noise Fan F : Turbo Fan L : Low Cost
N : Dish Fan V : Overlap Fan

III FAN GENERATION

Define it from "A" to "Z"

IV DIMENSION

03 : 3cm	04 : 4cm	
06 : 6cm	08 : 8cm	
13 : 13cm	16 : 16cm	
18 : 18cm	22 : 22cm	etc ...

V THICKNESS

07 : 7mm	25 : 25mm	
10 : 10mm	28 : 28mm	
A0 : 100mm	A1 : 101mm	
B0 : 110mm	B7 : 117mm	etc ...

VI BEARING TYPE

A : One Ball Bearing
B : Two Ball Bearing
R : Hydraulic Bearing
S : Sleeve Bearing
T : One Ball and One Sleeve Bearing

VII INPUT VOLTAGE

5 : 5v	2 : 12v	4 : 24v
8 : 48v	6 : 60v	3 : 3.3v
A : 115v B : 230v C : 380v		

VIII ROTATING SPEED

X : Ultra Low Speed	U : Extra High Speed
E : Extra Low Speed	S : Ultra High Speed
L : Low Speed	F : Superhigh Speed
M : Medium Speed	G : Extreme
H : High Speed	

IX CONTROL TYPE

— : General Control	C : No Autorestart
D : Digital Control	P : PWM Control
S : Sensor Control	V : Voltage Control
A : PWM + Sensor Control	

X SIGNAL OUTPUT

N : NA(No Signal Output)
F : FG(Frequency Generator or Tach Output)
R : RD(Rotation Detector)
Z : AC-DC

XI SIGNAL OUTPUT VOLTAGE

A : Vcc(Open Collector)	
B : 5.0V(Open Collector)	C : 3.3V(Open Collector)

XII OTHERS

FRAME TYPE(DC Axial)
R : Rib Frame F : Flange Frame

Optional Fan Features

The below options are available for a particular fan but might not apply to all the voltages and speeds. Please contact us for more information if any below extra option is required.



FG (Tacho) Signal (FG)

An additional wire is offered to output an oscillating voltage output which can be used by the system to infer the fan speed.



Analogue Control Input (Analogue)

The speed of the fan can be controlled via a voltage signal carried by a dedicated input wire.



RD (Rotation Detector) Signal (RD)

An additional wire is offered to output a voltage signal when the fan is stationary. It is a useful functionality to identify non-operating fan.



Humidity Protection (Moisture)

The electronics and motors of the fan are protected against humidity and condensation.



Internal Temperature Sensor (Temp.Sensor)

A NTC thermistor is integrated into the fan design and the fan speed varies with the temperature measured by the thermistor.



IP Level (IP)

The electronics and motor are designed to offer protection against dust and water. The digits behind the letters "IP" indicate different levels of protection.



PWM Control Input (PWM)

The speed of the fan can be controlled via a pulse-width-modulated(PWM)signal carried by a dedicated input wire.



Protection against Corrosion (Salt Fog)

Salt fog test is used to simulate corrosive environment that a fan may operate in. By passing the test gives high confidence in the robustness and reliability of the fan working in extreme conditions.

General Specification Condition

1.Below is typical lifetime expectancy from AVC lab. Please contact our sales for extended life tests.

Catagory	Conditions	Fan Type Applied			
		Ball bearing	Hydraulic bearing	Sleeve bearing	Sim fan
Humidity 15% - 65%		●	●	●	●
Operating temperature	-10°C ~ +70°C (+14°F ~ +158°F)	●			
	-10°C ~ +60°C (+14°F ~ +140°F)		●	●	
Storage temperature	-40°C ~ +75°C (-40°F ~ +167°F)	●			
	-10°C ~ +70°C (+14°F ~ +158°F)		●	●	
Assured Life Expectancy (L10) at 40°C	70,000 Hrs	●			
	50,000 Hrs		●		
	30,000 Hrs			●	●
Dielectric Strength	5mA max at 500VAC for one minute between lead wire & frame	●	●	●	●
Insulation Class	UL: Class A	●	●	●	●

2.The particular fan remarked with*next to the Part No. means its Part No. might be varified

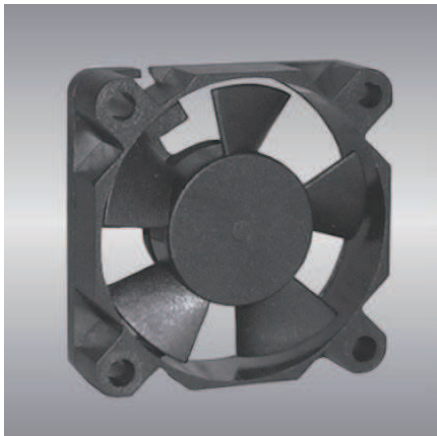
DC Axial Fans





- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

BRUSHLESS DC AXIAL FAN



DA SERIES 35*35*10 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA03510_05L	B S	5	4.5~5.5	0.05	0.25	5000	0.10	3.54	2.49	0.10	18.0
DA03510_05M	B S	5	4.5~5.5	0.06	0.30	6000	0.12	4.25	2.98	0.12	20.0
DA03510_05H	B S	5	4.5~5.5	0.07	0.35	7000	0.14	4.96	3.48	0.14	23.0
DA03510_12H	B S	12	7.0~13.2	0.03	0.36	7000	0.14	4.96	3.48	0.14	23.0
DA03510_05U	B S	5	4.5~5.5	0.08	0.40	8000	0.16	5.51	4.53	0.18	25.0
DA03510_12U	B S	12	7.0~13.2	0.04	0.48	8000	0.16	5.51	4.53	0.18	25.0
DA03510_05S	B S	5	4.5~5.5	0.10	0.50	9000	0.18	6.30	5.50	0.22	28.0
DA03510_12S	B S	12	7.0~13.2	0.07	0.84	9000	0.18	6.30	5.50	0.22	28.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

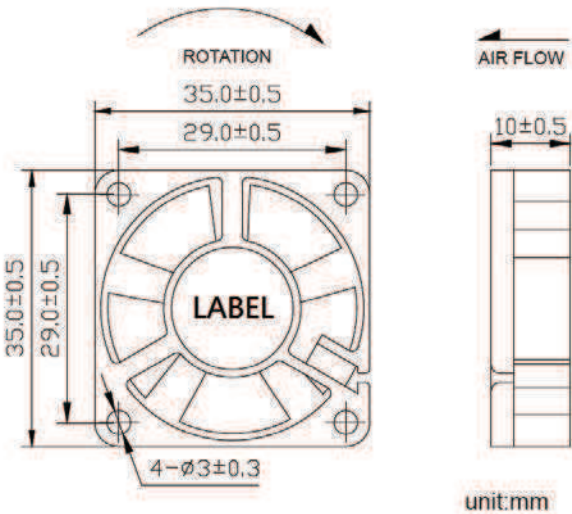
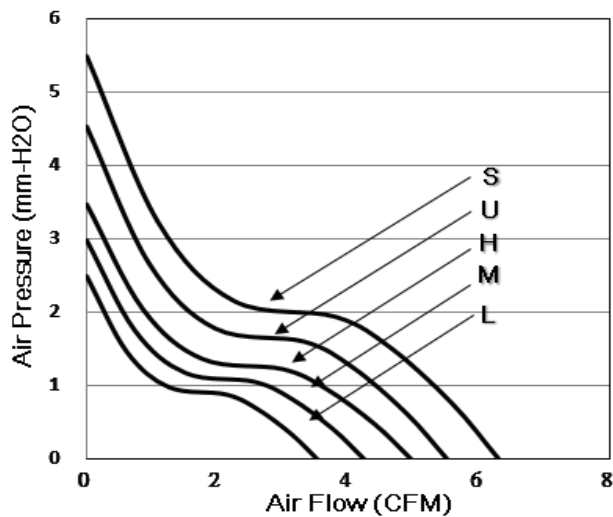
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 10g





F

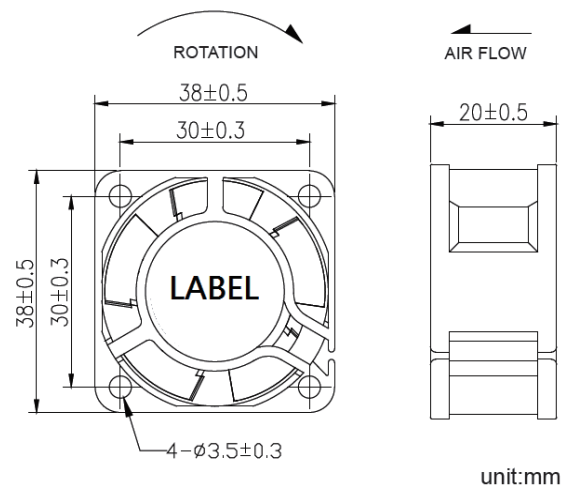
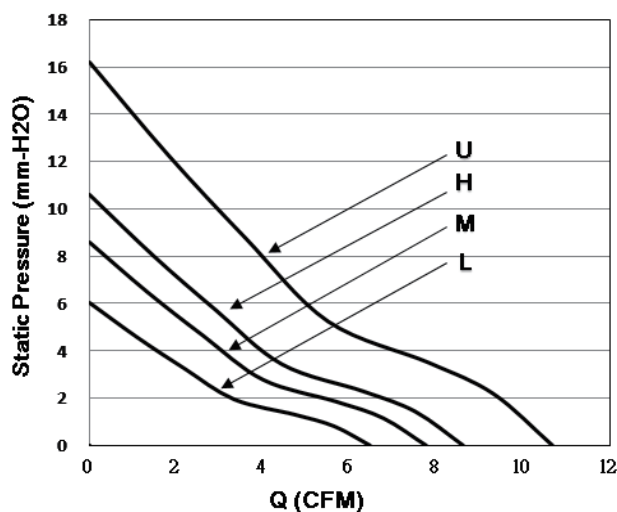
- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
F3820_12L	B	12	7.0~13.2	0.10	1.20	6700	0.18	6.48	6.02	0.24	35.8
F3820_12M	B	12	7.0~13.2	0.12	1.44	8000	0.22	7.76	8.57	0.34	39.7
F3820_12H	B	12	7.0~13.2	0.13	1.56	8900	0.24	8.63	10.61	0.42	42.0
F3820_12U	B	12	7.0~13.2	0.25	3.00	11000	0.30	10.67	16.21	0.64	44.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Function type is optional. * All reading are typical values at rated voltage
* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice
* Weight : 30.5g



BRUSHLESS DC AXIAL FAN



DB SERIES 38*38*28 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DB03828_12L	B	12	7.0~13.2	0.11	1.32	8000	0.27	9.44	10.02	0.39	38.0
DB03828_12M	B	12	7.0~13.2	0.15	1.80	10000	0.35	12.46	15.88	0.63	44.0
DB03828_12H	B	12	7.0~13.2	0.29	3.48	13000	0.46	16.30	25.91	1.02	51.0
DB03828_12U	B	12	7.0~13.2	0.43	5.16	15000	0.54	19.16	34.71	1.37	55.0
DB03828_12S	B	12	7.0~13.2	0.58	6.96	17000	0.59	20.80	42.40	1.67	59.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

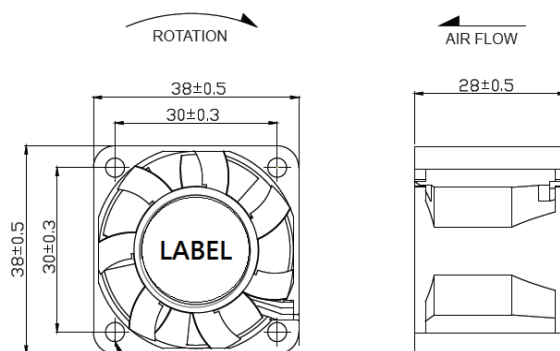
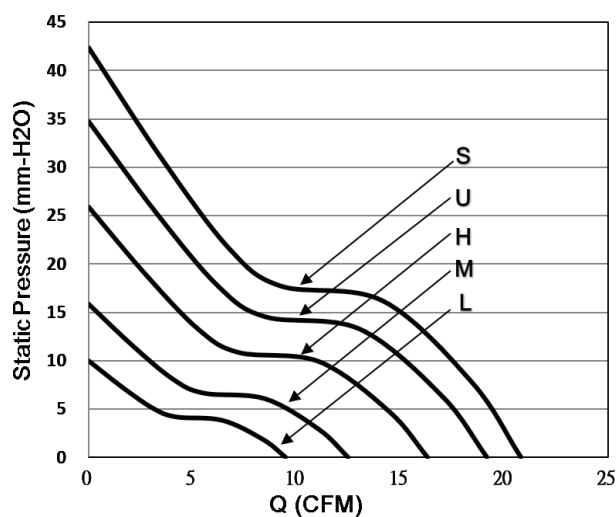
* Function type is optional.

* All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice

* Weight : 40g



unit:mm



- ## Major Characteristic Parameters

Technical drawing of a 40mm square fan. The drawing includes a top view and a side view. The top view shows a square frame with dimensions 40 ± 0.5 mm and 32 ± 0.3 mm. The fan blades are arranged in a circular pattern around a central hub labeled "LABEL". The mounting holes are specified as $4 - \phi 3.4 \pm 0.3$. A curved arrow indicates the rotation direction. The side view shows the fan's profile with a height of 10.5 ± 0.5 mm. An arrow labeled "AIR FLOW" indicates the direction of airflow from the front to the back of the fan. The unit is specified as mm.

BRUSHLESS DC AXIAL FAN



DBTA SERIES 40*40*20 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DBTA0420_2E	B	12	7.0~13.2	0.10	1.20	8000	0.27	9.43	8.92	0.35	32.9
DBTA0420_2L	B	12	7.0~13.2	0.15	1.80	10000	0.33	11.73	13.96	0.55	40.0
DBTA0420_2M	B	12	7.0~13.2	0.20	2.40	12000	0.41	14.31	20.06	0.79	44.3
DBTA0420_2H	B	12	7.0~13.2	0.25	3.00	14000	0.48	16.82	27.34	1.08	48.9
DBTA0420_2U	B	12	7.0~13.2	0.40	4.80	16000	0.56	19.82	36.55	1.44	52.9
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

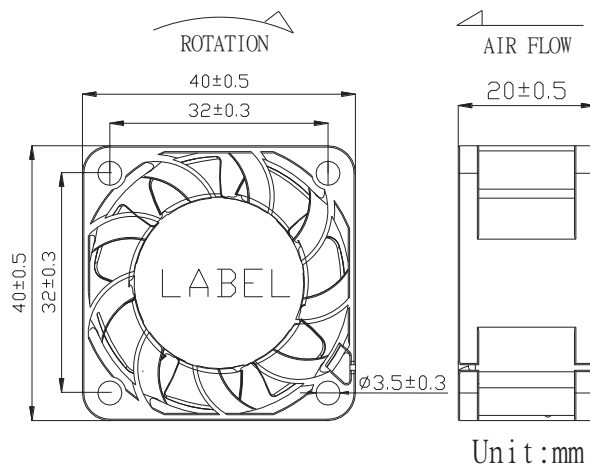
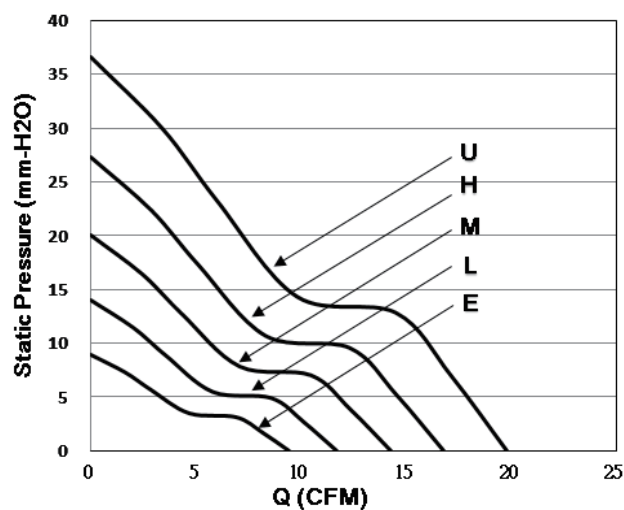
* Function type is optional.

* All reading are typical values at rated voltage

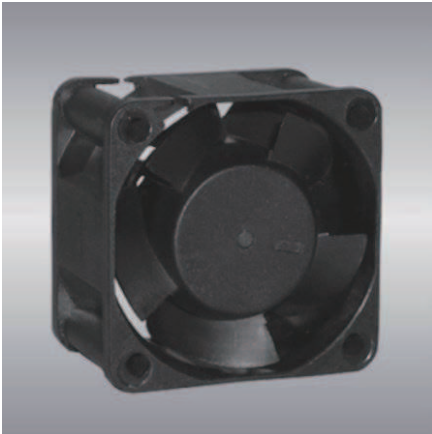
* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 25g



BRUSHLESS DC AXIAL FAN



F

SERIES 40*40*20 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
F4020_12L	B R S	12	7.0~13.2	0.10	1.20	5000	0.21	7.40	4.80	0.19	21.0
F4020_24L	B R S	24	14.0~26.4	0.07	1.68	5000	0.21	7.40	4.80	0.19	21.0
F4020_12M	B R S	12	7.0~13.2	0.12	1.44	6500	0.27	9.60	8.10	0.32	24.5
F4020_24M	B R S	24	14.0~26.4	0.09	2.16	6500	0.27	9.60	8.10	0.32	24.5
F4020_12H	B R S	12	7.0~13.2	0.16	1.92	8600	0.31	11.10	10.80	0.43	32.5
F4020_24H	B R S	24	14.0~26.4	0.13	3.12	8600	0.31	11.10	10.80	0.43	32.5
F4020_12U	B R S	12	7.0~13.2	0.22	2.64	9500	0.33	11.60	11.90	0.47	33.5
F4020_12S	B R S	12	7.0~13.2	0.25	3.00	11000	0.37	13.20	15.80	0.62	40.9
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

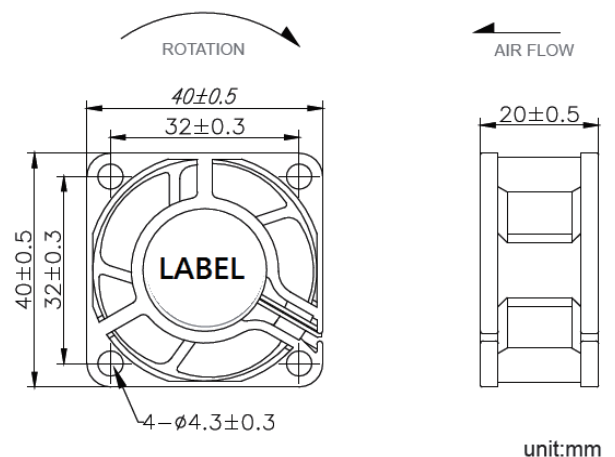
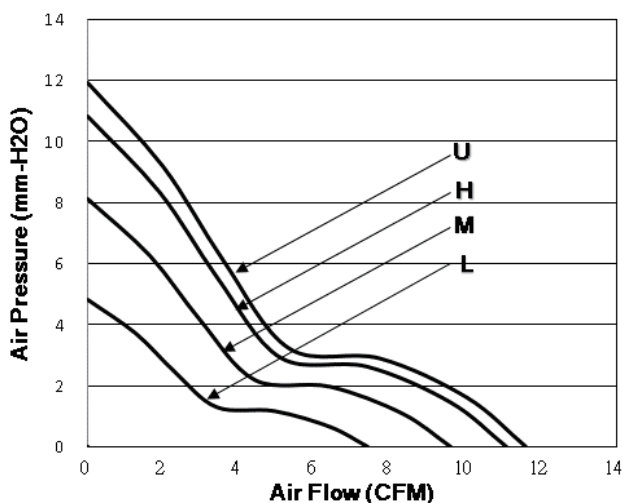
*Function type is optional.

*All reading are typical values at rated voltage

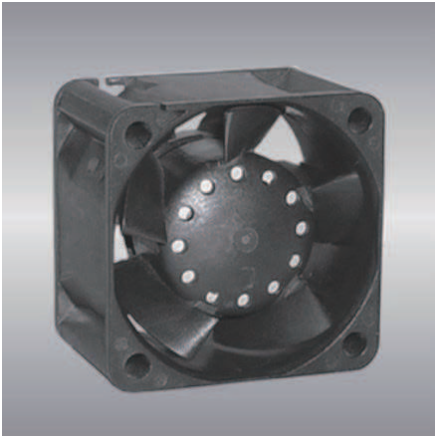
* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 27g



BRUSHLESS DC AXIAL FAN



- DB

SERIES

40*40*28 mm
- Frame:Thermoplastic PBT +30%GF(94V-0).
 - Impeller:Thermoplastic PBT +15%GF(94V-0).
 - Storage temperature:-40℃ to +75℃
 - Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DB04028_12L	B	12	7.0~13.2	0.14	1.68	8000	0.39	13.80	11.50	0.45	40.0
DB04028_24L	B	24	14.0~26.4	0.10	2.40	8000	0.39	13.80	11.50	0.45	40.0
DB04028_12M	B	12	7.0~13.2	0.26	3.12	9500	0.45	15.90	17.60	0.69	45.0
DB04028_24M	B	24	14.0~26.4	0.15	3.60	9500	0.45	15.90	17.60	0.69	45.0
DB04028_12H	B	12	7.0~13.2	0.35	4.20	11000	0.53	18.70	23.40	0.92	50.5
DB04028_24H	B	24	14.0~26.4	0.20	4.80	11000	0.53	18.70	23.40	0.92	50.5
DB04028_12U	B	12	7.0~13.2	0.55	6.60	13000	0.67	23.80	33.70	1.33	54.0
DB04028_24U	B	24	14.0~26.4	0.27	6.48	13000	0.67	23.80	33.70	1.33	54.0
DB04028_12S	B	12	7.0~13.2	0.70	8.40	15000	0.70	24.82	41.61	1.64	58.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

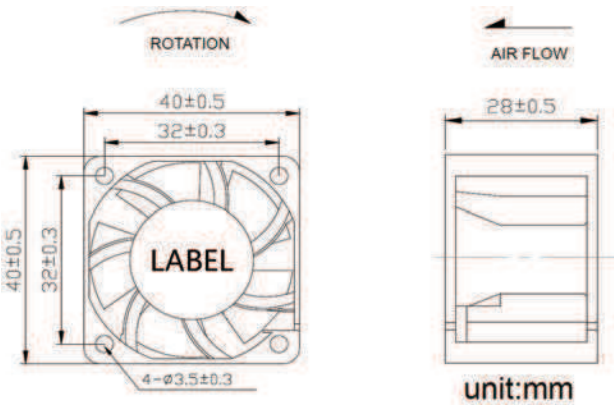
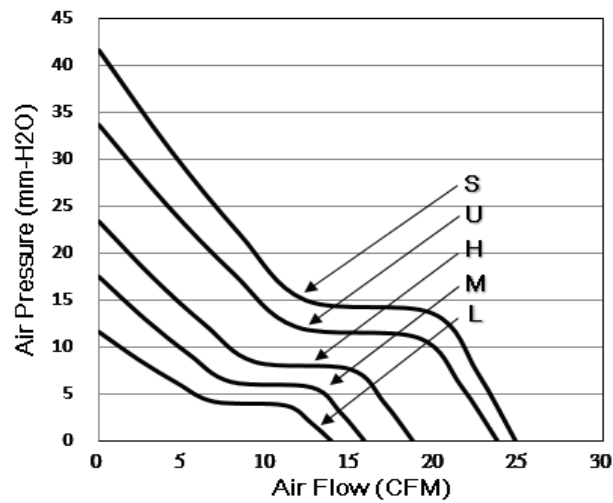
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 40g





- ## Major Characteristic Parameters

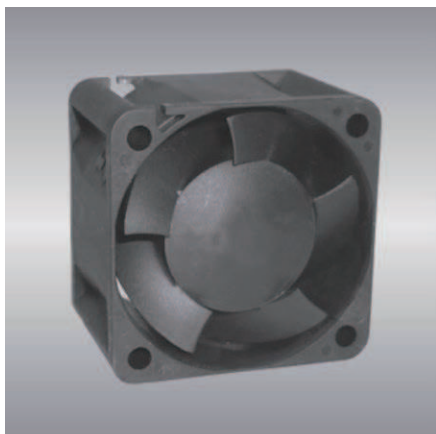
Technical drawing of the fan assembly showing front, side, and detail views with dimensions.

Front View: The fan has an outer diameter of $40.0^{+0.2}_{-0.3}$ mm and an inner diameter of 32.0 ± 0.3 mm. The central hub is labeled "LABEL". The fan blades are shown in a cross-section view. The mounting holes are spaced at $4 \times \phi 3.5 \pm 0.3$ mm.

Side View: The side view shows the fan's profile with a total height of $40.0^{+0.2}_{-0.3}$ mm and a mounting flange height of 32.0 ± 0.3 mm. The air flow direction is indicated by an arrow pointing left, labeled "AIR FLOW".

Detail View: A detail view of the mounting flange shows a thickness of 28 ± 0.5 mm.

BRUSHLESS DC AXIAL FAN



DV SERIES 40*40*28 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DV04028_12H	B	12	7.0~13.2	0.30	3.60	13000	0.43	15.20	23.37	0.92	42.6
DV04028_12U	B	12	7.0~13.2	0.40	4.80	15000	0.50	17.80	30.48	1.20	46.4
DV04028_12S	B	12	7.0~13.2	0.60	7.20	18000	0.65	22.92	48.62	1.91	53.8
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

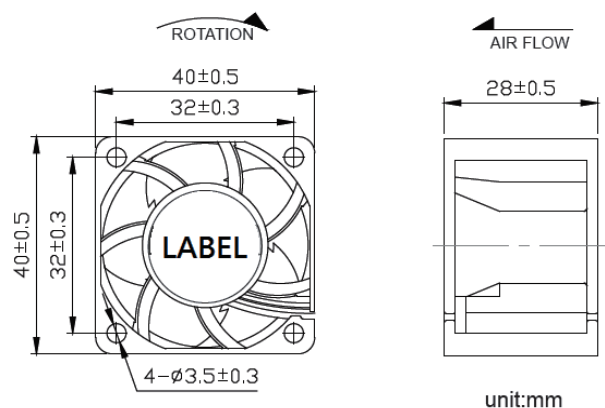
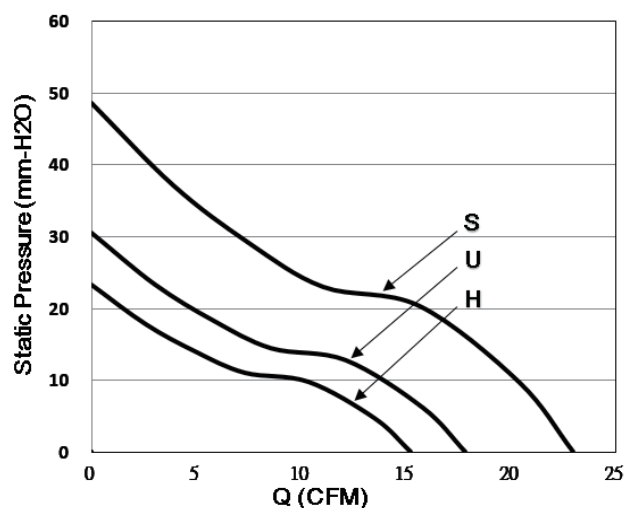
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 40g





D

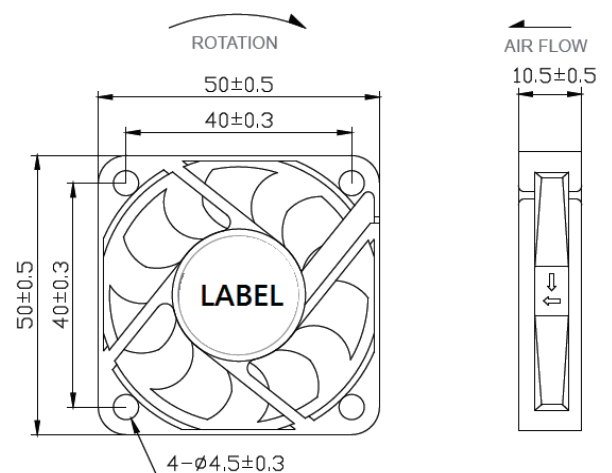
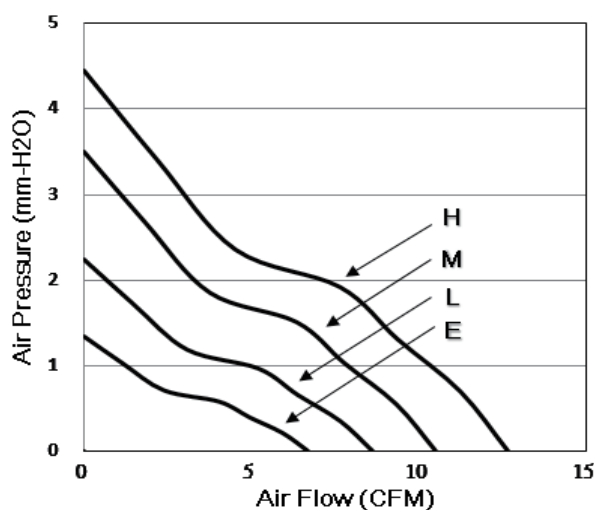
- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
D5010_05E	B S	5	4.5~5.5	0.04	0.20	3500	0.19	6.71	1.35	0.05	18.0
D5010_12E	B S	12	7~13.2	0.02	0.24	3500	0.19	6.71	1.35	0.05	18.0
D5010_05L	B S	5	4.5~5.5	0.07	0.35	4500	0.24	8.63	2.24	0.09	25.0
D5010_12L	B S	12	7~13.2	0.03	0.36	4500	0.24	8.63	2.24	0.09	25.0
D5010_05M	B S	5	4.5~5.5	0.16	0.80	5500	0.30	10.54	3.50	0.14	30.0
D5010_12M	B S	12	7~13.2	0.07	0.84	5500	0.30	10.54	3.50	0.14	30.0
D5010_05H	B S	5	4.5~5.5	0.25	1.25	6500	0.36	12.70	4.45	0.18	35.0
D5010_12H	B S	12	7~13.2	0.10	1.20	6500	0.36	12.70	4.45	0.18	35.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Function type is optional. * All reading are typical values at rated voltage
* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice
* Weight : 20g



unit:mm

BRUSHLESS DC AXIAL FAN



DA SERIES 50*50*15 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA05015_12E	B S	12	7.0~13.2	0.04	0.48	4000	0.28	10.00	2.75	0.11	24.0
DA05015_12L	B S	12	7.0~13.2	0.12	1.44	4800	0.34	11.84	3.76	0.15	28.0
DA05015_12M	B S	12	7.0~13.2	0.15	1.80	5600	0.39	13.81	5.12	0.20	32.0
*DA05015_12H	B S	12	7.0~13.2	0.21	2.52	6400	0.45	15.79	6.97	0.27	36.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

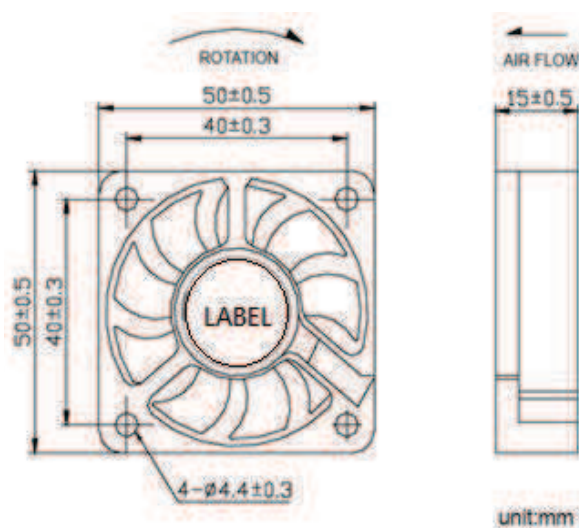
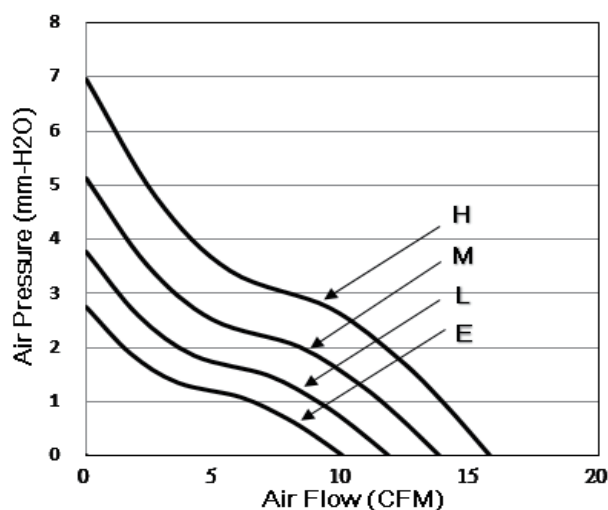
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 31g



BRUSHLESS DC AXIAL FAN



DA SERIES 50*50*20 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DA05020_12L	B S	12	7.0~13.2	0.10	1.20	4000	0.29	10.10	2.42	0.10	24.0
DA05020_24L	B S	24	14.0~26.4	0.07	1.68	4000	0.29	10.10	2.42	0.10	24.0
DA05020_12M	B S	12	7.0~13.2	0.13	1.56	4800	0.36	12.70	3.48	0.14	28.0
DA05020_24M	B S	24	14.0~26.4	0.08	1.92	4800	0.36	12.70	3.48	0.14	28.0
DA05020_12H	B S	12	7.0~13.2	0.15	1.80	5600	0.42	14.80	4.62	0.18	32.0
DA05020_24H	B S	24	14.0~26.4	0.10	2.40	5600	0.42	14.80	4.62	0.18	32.0
DA05020_12U	B S	12	7.0~13.2	0.21	2.52	6400	0.50	17.60	6.44	0.25	36.0
DA05020_24U	B S	24	14.0~26.4	0.12	2.88	6400	0.50	17.60	6.44	0.25	36.0
DA05020_12S	B S	12	7.0~13.2	0.27	3.24	7000	0.57	20.30	7.70	0.30	38.0
DA05020_24S	B S	24	14.0~26.4	0.16	3.84	7000	0.57	20.30	7.70	0.30	38.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

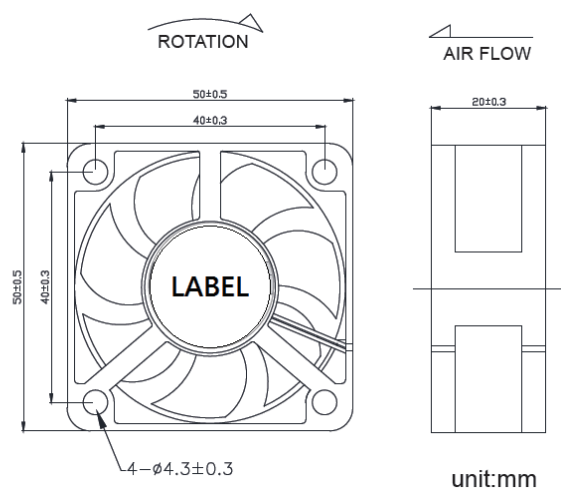
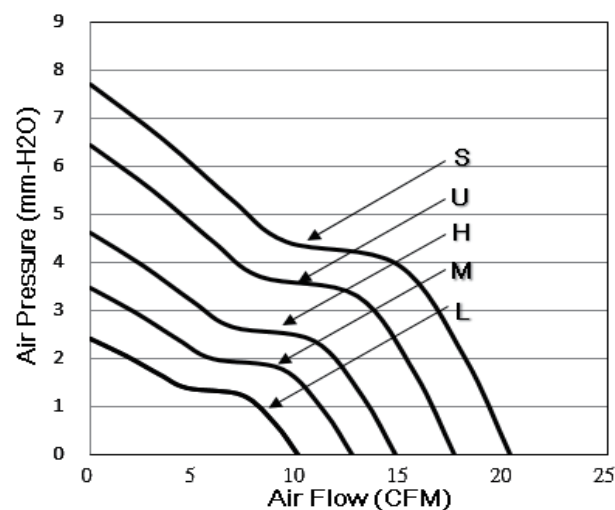
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 40g





■ BRUSHLESS DC AXIAL FAN

DA SERIES 60*60*10 mm

Frame : Thermoplastic PBT +30%GF(94V-0).

Impeller : Thermoplastic PBT +15%GF(94V-0).

Storage temperature : -40°C to +75°C.

Operating temperature : -10°C to +70°C(B) / +60°C(R/S).



Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m3/min	CFM	mm-H2O	In-H2O	dBA
DA06010_05L	B R S	5	4.5~5.5	0.30	1.50	3500	0.49	17.40	2.10	0.08	28.0
DA06010_12L	B R S	12	7.0~13.2	0.14	1.68	3500	0.49	17.40	2.10	0.08	28.0
DA06010_24L	B R S	24	14.0~26.4	0.05	1.20	3500	0.49	17.40	2.10	0.08	28.0
DA06010_05M	B R S	5	4.5~5.5	0.38	1.90	4200	0.59	20.80	3.00	0.12	33.0
DA06010_12M	B R S	12	7.0~13.2	0.17	2.04	4200	0.59	20.80	3.00	0.12	33.0
DA06010_24M	B R S	24	14.0~26.4	0.08	1.92	4200	0.59	20.80	3.00	0.12	33.0
DA06010_12H	B R S	12	7.0~13.2	0.24	2.88	4900	0.69	24.30	4.10	0.16	37.0
DA06010_24H	B R S	24	14.0~26.4	0.10	2.40	4900	0.69	24.30	4.10	0.16	37.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

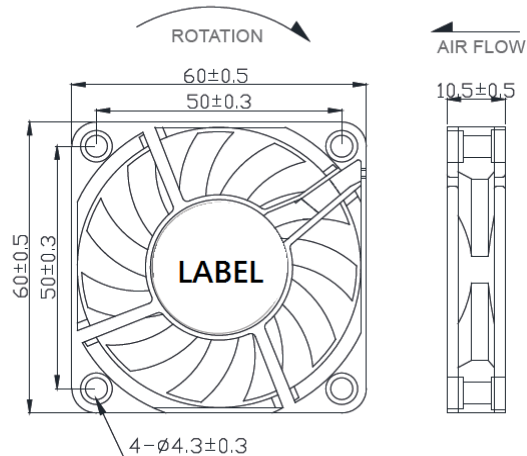
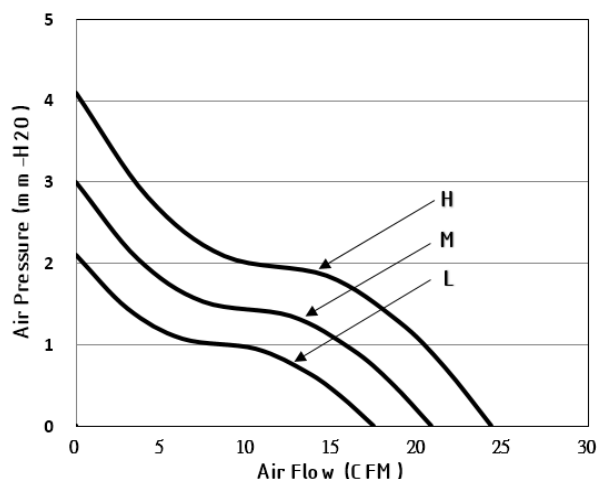
*Function type is optional.

*All reading are typical values at rated voltage

*Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

*Fan weight : 26 g





■ BRUSHLESS DC AXIAL FAN

F

SERIES**60*60*15 mm**

Frame : Thermoplastic PBT +30%GF(94V-0).

Impeller : Thermoplastic PBT +15%GF(94V-0).

Storage temperature : -40℃ to +75℃.

Operating temperature : -10℃ to +70℃(B) / +60℃(R/S).



Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m3/min	CFM	mm-H2O	In-H2O	dBA
F6015_12E	B S	12	7.0~13.2	0.06	0.72	3000	0.42	15.00	2.30	0.09	24.0
F6015_12L	B S	12	7.0~13.2	0.08	0.96	3500	0.54	19.00	3.50	0.14	29.0
F6015_12M	B S	12	7.0~13.2	0.10	1.20	4000	0.61	21.70	4.10	0.16	32.0
F6015_24M	B S	24	14.0~26.4	0.05	1.20	4000	0.61	21.70	4.10	0.16	32.0
F6015_12H	B S	12	7.0~13.2	0.12	1.44	4500	0.65	23.10	4.60	0.18	35.0
F6015_24H	B S	24	14.0~26.4	0.08	1.92	4500	0.65	23.10	4.60	0.18	35.0
F6015_12U	B S	12	7.0~13.2	0.17	2.04	5000	0.75	26.50	5.70	0.22	37.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

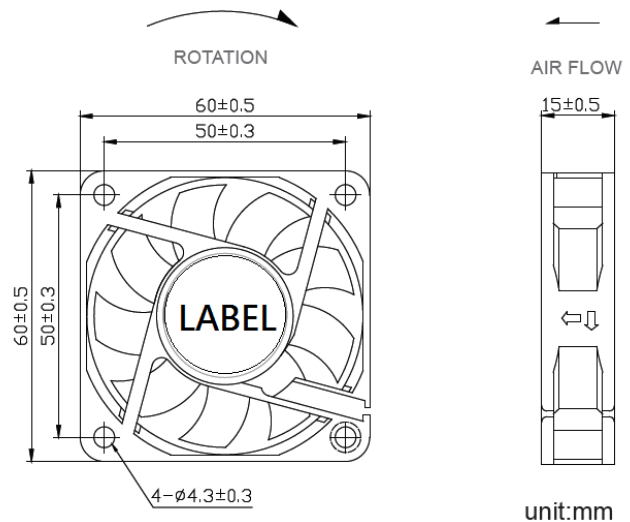
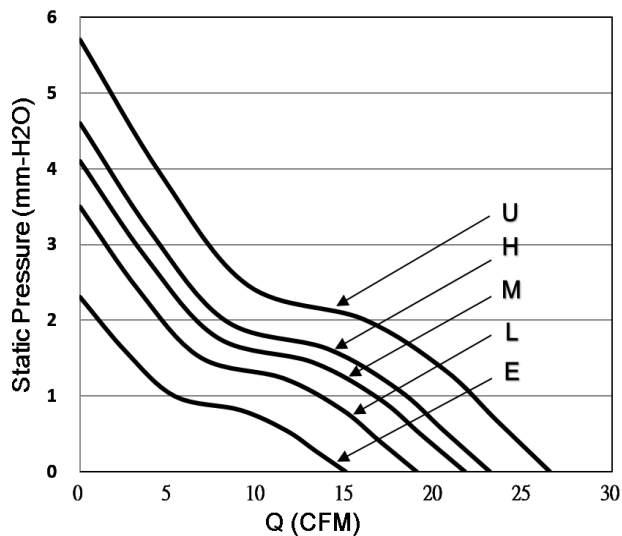
*Function type is optional.

*All reading are typical values at rated voltage

*Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

*Fan weight : 44 g





DA SERIES 60*60*15 mm

BRUSHLESS DC AXIAL FAN



DA SERIES 60*60*20 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA06020_12E	B S	12	7.0~13.2	0.07	0.84	3200	0.38	13.50	3.00	0.12	24.0
DA06020_12L	B S	12	7.0~13.2	0.09	1.08	3600	0.42	14.80	3.80	0.15	26.0
DA06020_12M	B S	12	7.0~13.2	0.11	1.32	4000	0.46	16.40	4.80	0.19	29.0
DA06020_12H	B S	12	7.0~13.2	0.13	1.56	4400	0.51	18.10	5.80	0.23	31.0
DA06020_12U	B S	12	7.0~13.2	0.17	2.04	4800	0.56	19.60	6.90	0.27	33.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

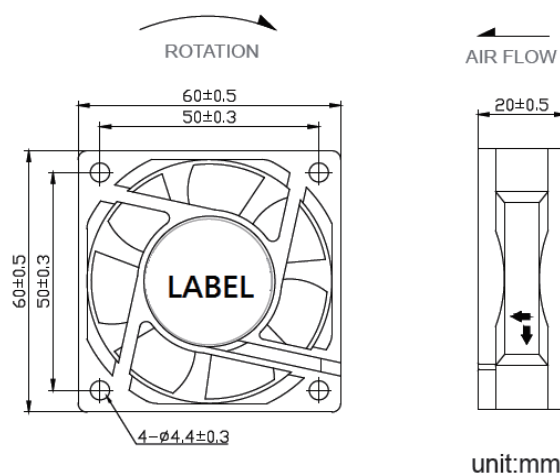
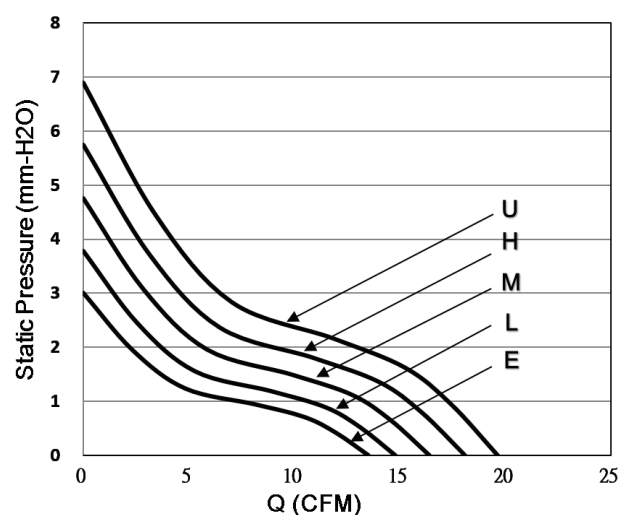
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 50g



BRUSHLESS DC AXIAL FAN



DA SERIES 60*60*25 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DA06025_12E	B R S	12	7.0~13.2	0.10	1.20	3100	0.40	14.10	2.50	0.10	26.0
DA06025_24E	B R S	24	14.0~26.4	0.06	1.44	3100	0.40	14.10	2.50	0.10	26.0
*DA06025_48E	B R S	48	28.0~56.0	0.05	2.40	3100	0.40	14.10	2.50	0.10	26.0
DA06025_12L	B R S	12	7.0~13.2	0.12	1.44	3600	0.52	18.50	3.60	0.14	31.0
DA06025_24L	B R S	24	14.0~26.4	0.08	1.92	3600	0.52	18.50	3.60	0.14	31.0
DA06025_48L	B R S	48	28.0~56.0	0.06	2.88	3600	0.52	18.50	3.60	0.14	31.0
DA06025_12M	B R S	12	7.0~13.2	0.16	1.92	4250	0.61	21.50	4.80	0.19	34.0
DA06025_24M	B R S	24	14.0~26.4	0.11	2.64	4250	0.61	21.50	4.80	0.19	34.0
DA06025_48M	B R S	48	28.0~56.0	0.07	3.36	4250	0.61	21.50	4.80	0.19	34.0
DA06025_12H	B R S	12	7.0~13.2	0.25	3.00	5000	0.72	25.60	6.50	0.26	40.0
DA06025_24H	B R S	24	14.0~26.4	0.20	4.80	5000	0.72	25.60	6.50	0.26	40.0
DA06025_48H	B R S	48	28.0~56.0	0.12	5.76	5000	0.72	25.60	6.50	0.26	40.0
DA06025_12U	B R S	12	7.0~13.2	0.31	3.72	5500	0.80	28.18	7.84	0.31	42.1

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

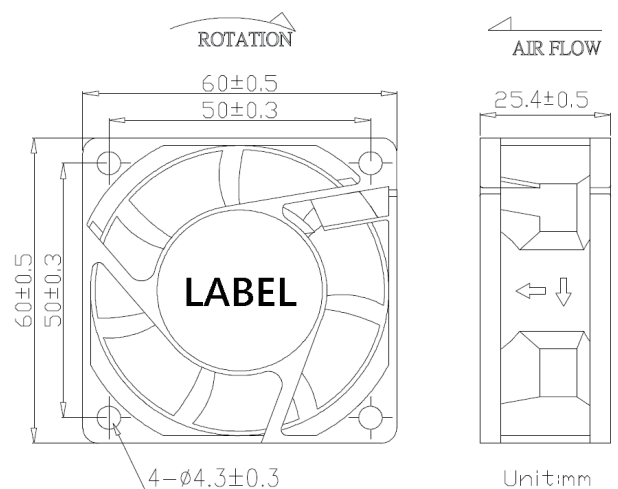
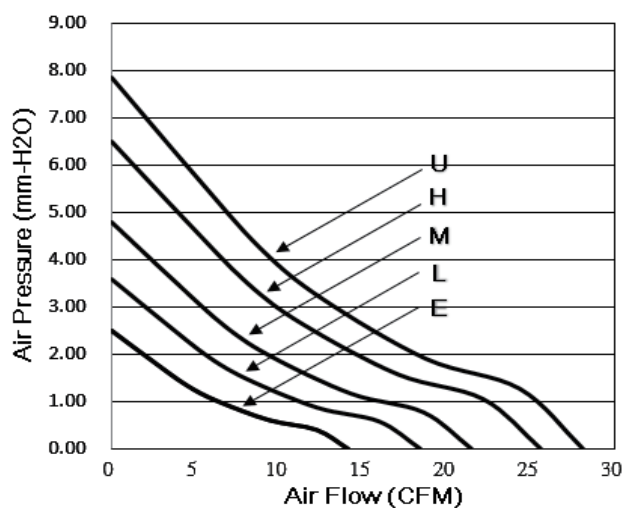
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 62g



BRUSHLESS DC AXIAL FAN



DATA

SERIES

60*60*25 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DATA0625_2L	B R S	12	7~13.2	0.08	0.96	3100	0.48	17.10	3.10	0.12	26.0
DATA0625_4L	B R S	24	14~26.4	0.04	0.96	3100	0.48	17.10	3.10	0.12	26.0
DATA0625_2M	B R S	12	7~13.2	0.12	1.44	3600	0.61	21.50	4.00	0.16	31.0
DATA0625_4M	B R S	24	14~26.4	0.06	1.44	3600	0.61	21.50	4.00	0.16	31.0
DATA0625_2H	B R S	12	7~13.2	0.15	1.80	4250	0.68	24.00	5.60	0.22	34.0
DATA0625_4H	B R S	24	14~26.4	0.08	1.92	4250	0.68	24.00	5.60	0.22	34.0
DATA0625_8H	B R S	48	28~56	0.06	2.88	4250	0.68	24.00	5.60	0.22	34.0
DATA0625_2U	B R S	12	7~13.2	0.20	2.40	5000	0.95	33.60	6.30	0.25	40.0
DATA0625_4U	B R S	24	14~26.4	0.16	3.84	5000	0.95	33.60	6.30	0.25	40.0
DATA0625_8U	B R S	48	28~56	0.10	4.80	5000	0.95	33.60	6.30	0.25	40.0
DATA0625_2S	B	12	7~13.2	0.40	4.80	6800	1.24	43.80	14.20	0.56	56.0
DATA0625_4S	B	24	14~26.4	0.18	4.32	6800	1.24	43.80	14.20	0.56	56.0
DATA0625_8S	B	48	28~56	0.12	5.76	6800	1.24	43.80	14.20	0.56	56.0
DATA0625_2F	B	12	7~13.2	0.43	5.16	7500	1.36	47.90	20.00	0.79	62.5
DATA0625_2G	B	12	7~13.2	0.96	11.52	9800	1.57	55.50	29.72	1.17	66.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

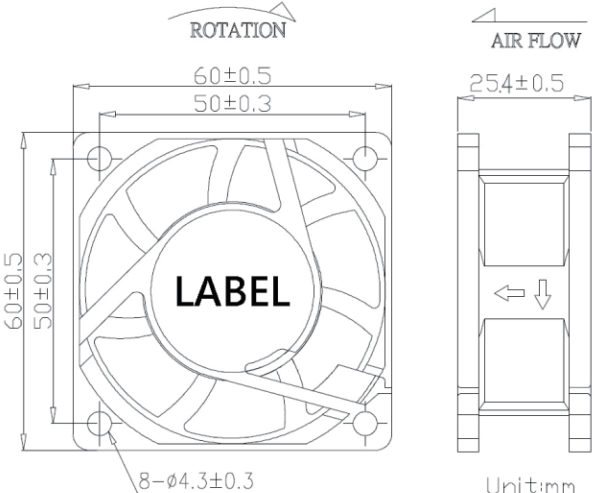
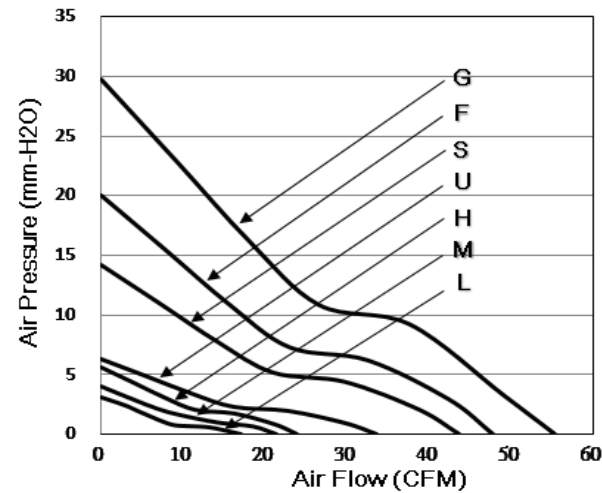
*Function type is optional.

* All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice

* Weight : 57g



BRUSHLESS DC AXIAL FAN



2B SERIES 60*60*38 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
2B06038_12L	B	12	7.0~13.2	0.52	6.24	8000	1.22	43.10	22.90	0.90	51.0
2B06038_24L	B	24	14.0~26.4	0.32	7.68	8000	1.22	43.10	22.90	0.90	51.0
2B06038_48L	B	48	28.0~56.0	0.18	8.64	8000	1.22	43.10	22.90	0.90	51.0
2B06038_12M	B	12	7.0~13.2	0.68	8.16	9000	1.42	50.00	30.00	1.18	53.5
2B06038_24M	B	24	14.0~26.4	0.40	9.60	9000	1.42	50.00	30.00	1.18	53.5
2B06038_48M	B	48	28.0~56.0	0.20	9.60	9000	1.42	50.00	30.00	1.18	53.5
2B06038_12H	B	12	7.0~13.2	1.00	12.00	10000	1.56	55.20	35.80	1.41	57.0
2B06038_24H	B	24	14.0~26.4	0.53	12.72	10000	1.56	55.20	35.80	1.41	57.0
2B06038_48H	B	48	28.0~56.0	0.34	16.32	10000	1.56	55.20	35.80	1.41	57.0
2B06038_12U	B	12	7.0~13.2	1.38	16.56	12000	1.91	67.30	52.60	2.07	61.8
2B06038_24U	B	24	14.0~26.4	0.75	18.00	12000	1.91	67.30	52.60	2.07	61.8
2B06038_48U	B	48	28.0~56.0	0.54	25.92	12000	1.91	67.30	52.60	2.07	61.8

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

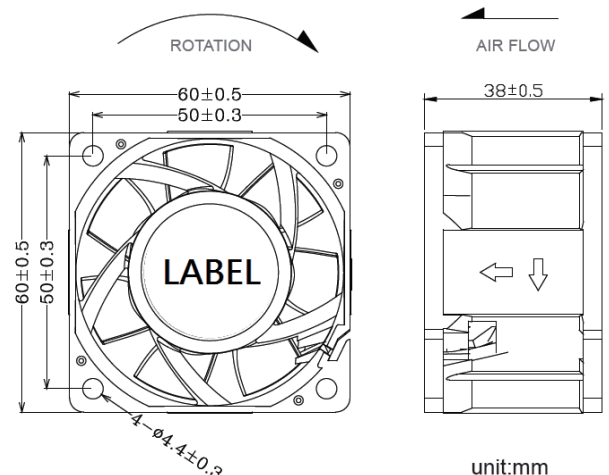
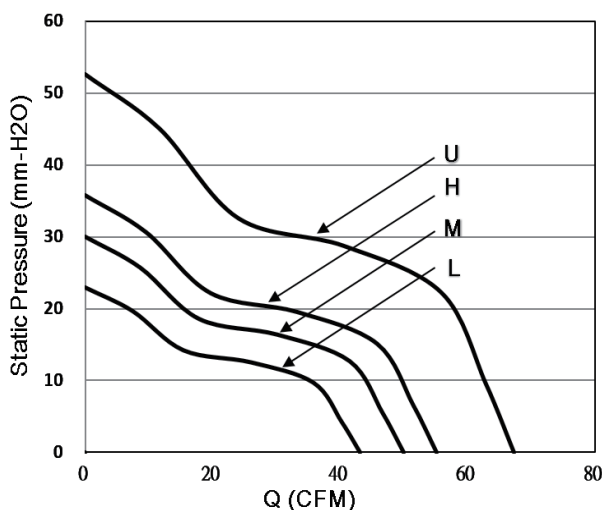
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 145g



BRUSHLESS DC AXIAL FAN



DA SERIES 70*70*15 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
*DA07015_12E	B S	12	7.0~13.2	0.10	1.20	2800	0.60	21.10	2.30	0.09	27.0
DA07015_12L	B S	12	7.0~13.2	0.12	1.44	3300	0.73	25.70	3.30	0.13	31.0
DA07015_12M	B S	12	7.0~13.2	0.17	2.04	3800	0.84	29.60	4.30	0.17	35.0
DA07015_12H	B S	12	7.0~13.2	0.25	3.00	4300	0.95	33.50	5.50	0.22	39.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

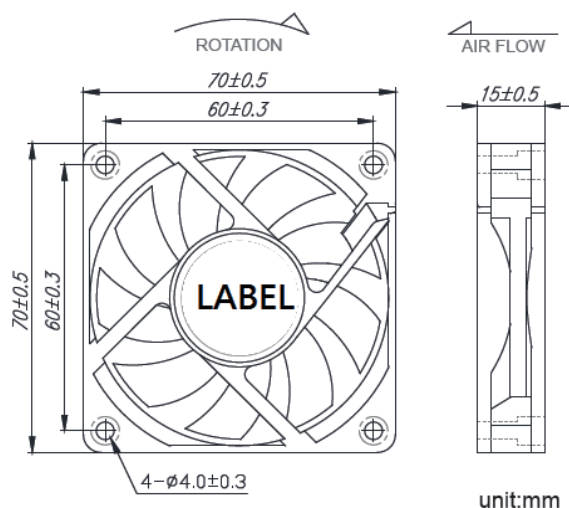
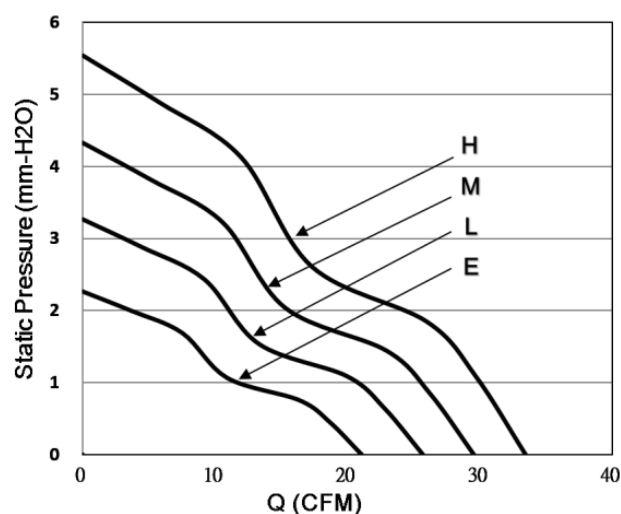
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 50g





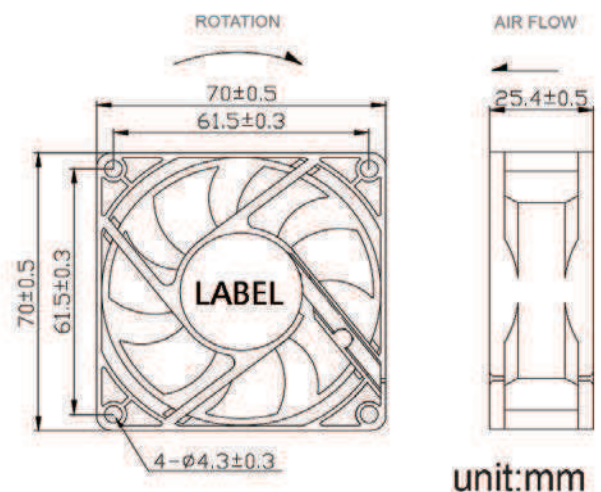
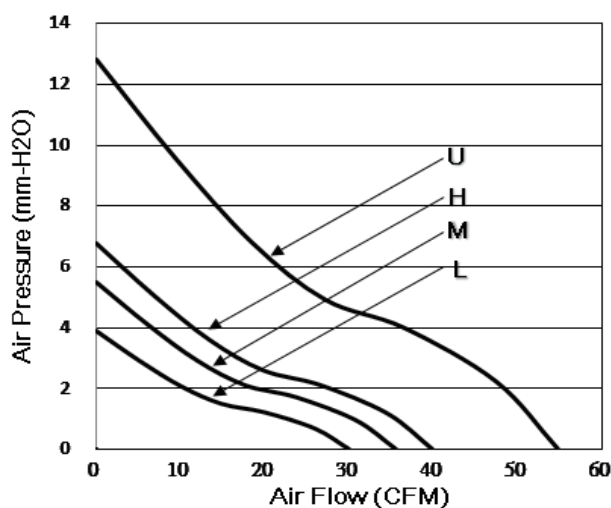
DS SERIES 70*70*25 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DS07025_12L	B S	12	7~13.2	0.07	0.84	3000	0.85	30.00	3.90	0.15	27.0
DS07025_24L	B S	24	14~26.4	0.05	1.20	3000	0.85	30.00	3.90	0.15	27.0
DS07025_12M	B S	12	7~13.2	0.13	1.56	3600	1.01	35.60	5.50	0.22	32.0
DS07025_24M	B S	24	14~26.4	0.12	2.88	3600	1.01	35.60	5.50	0.22	32.0
DS07025_12H	B S	12	7~13.2	0.20	2.40	4000	1.13	39.90	6.80	0.27	37.0
DS07025_24H	B S	24	14~26.4	0.14	3.36	4000	1.13	39.90	6.80	0.27	37.0
DS07025_12U	B	12	7~13.2	0.30	3.60	5500	1.55	54.80	12.80	0.50	45.0
DS07025_24U	B	24	14~26.4	0.16	3.84	5500	1.55	54.80	12.80	0.50	45.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Weight : 74g



BRUSHLESS DC AXIAL FAN



DA

SERIES

80*80*15 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA08015_12E	B S	12	7.0~13.2	0.06	0.72	2400	0.62	21.90	1.35	0.05	28.0
DA08015_24E	B S	24	14.0~26.4	0.04	0.96	2400	0.62	21.90	1.35	0.05	28.0
DA08015_12L	B S	12	7.0~13.2	0.08	0.96	2700	0.78	27.50	2.23	0.09	31.0
DA08015_24L	B S	24	14.0~26.4	0.06	1.44	2700	0.78	27.50	2.23	0.09	31.0
DA08015_12M	B S	12	7.0~13.2	0.11	1.32	3100	0.89	31.40	2.61	0.10	34.0
DA08015_24M	B S	24	14.0~26.4	0.08	1.92	3100	0.89	31.40	2.61	0.10	34.0
DA08015_12H	B S	12	7.0~13.2	0.15	1.80	3600	1.06	37.60	3.78	0.15	39.0
DA08015_24H	B S	24	14.0~26.4	0.09	2.16	3600	1.06	37.60	3.78	0.15	39.0
DA08015_12U	B S	12	7.0~13.2	0.30	3.60	4500	1.25	44.20	4.95	0.19	43.0
DA08015_24U	B S	24	14.0~26.4	0.18	4.32	4500	1.25	44.20	4.95	0.19	43.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

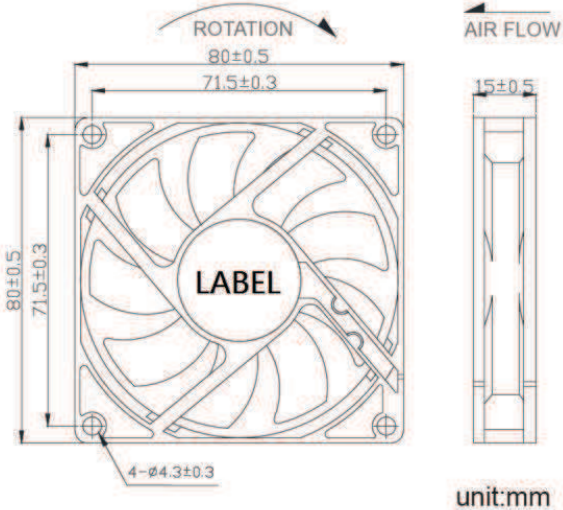
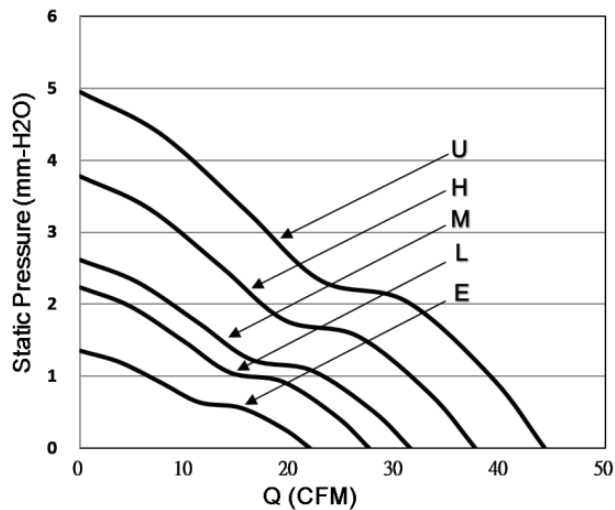
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 54g



BRUSHLESS DC AXIAL FAN



DA SERIES 80*80*20 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DA08020_12E	B S	12	7.0~13.2	0.13	1.56	2400	0.78	27.40	2.20	0.09	25.0
DA08020_24E	B S	24	14.0~26.4	0.07	1.68	2400	0.78	27.40	2.20	0.09	25.0
DA08020_12L	B S	12	7.0~13.2	0.16	1.92	2700	0.88	31.20	2.80	0.11	29.0
DA08020_24L	B S	24	14.0~26.4	0.09	2.16	2700	0.88	31.20	2.80	0.11	29.0
DA08020_12M	B S	12	7.0~13.2	0.18	2.16	3100	1.04	36.90	3.70	0.15	34.0
DA08020_24M	B S	24	14.0~26.4	0.12	2.88	3100	1.04	36.90	3.70	0.15	34.0
DA08020_12H	B S	12	7.0~13.2	0.24	2.88	3400	1.15	40.50	4.50	0.18	36.0
DA08020_24H	B S	24	14.0~26.4	0.17	4.08	3400	1.15	40.50	4.50	0.18	36.0
DA08020_12U	B S	12	7.0~13.2	0.30	3.60	4300	1.45	51.20	7.20	0.28	43.0
DA08020_24U	B S	24	14.0~26.4	0.20	4.80	4300	1.45	51.20	7.20	0.28	43.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

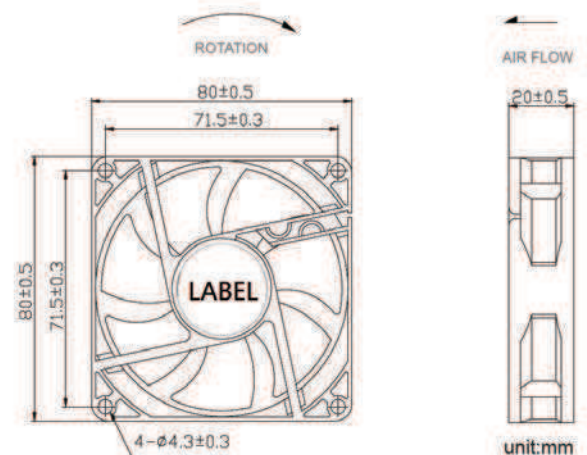
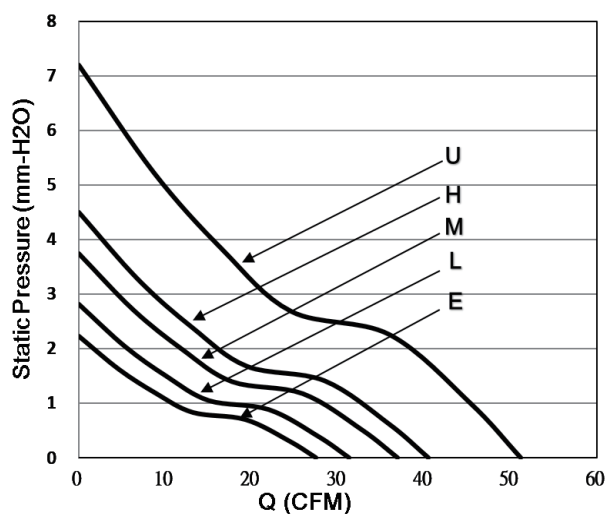
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 76g



BRUSHLESS DC AXIAL FAN



- DA

SERIES

80*80*25 mm
- Frame:Thermoplastic PBT +30%GF(94V-0).
 - Impeller:Thermoplastic PBT +15%GF(94V-0).
 - Storage temperature:-40℃ to +75℃
 - Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA08025_12E	B R S	12	7.0~13.2	0.13	1.56	2700	0.98	34.60	3.14	0.12	28.0
DA08025_12L	B R S	12	7.0~13.2	0.15	1.80	3000	1.09	38.46	3.88	0.15	31.0
*DA08025_24L	B R S	24	14.0~26.4	0.11	2.64	3000	1.09	38.46	3.88	0.15	31.0
DA08025_12M	B R S	12	7.0~13.2	0.23	2.76	3600	1.31	46.14	5.45	0.21	36.0
DA08025_24M	B R S	24	14.0~26.4	0.16	3.84	3600	1.31	46.14	5.45	0.21	36.0
DA08025_48M	B R S	48	28.0~56.0	0.07	3.36	3600	1.31	46.14	5.45	0.21	36.0
DA08025_12H	B R S	12	7.0~13.2	0.32	3.84	4300	1.56	54.99	7.40	0.29	40.0
DA08025_24H	B R S	24	14.0~26.4	0.23	5.52	4300	1.56	54.99	7.40	0.29	40.0
*DA08025_48H	B R S	48	28.0~56.0	0.11	5.28	4300	1.56	54.99	7.40	0.29	40.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

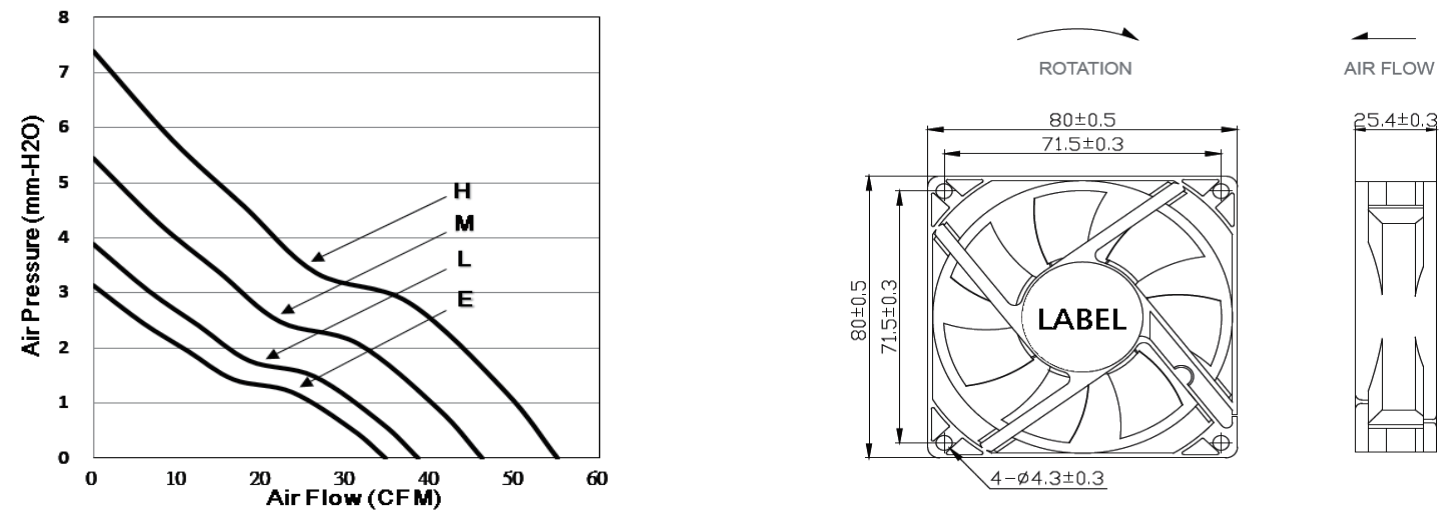
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 76g





DASA

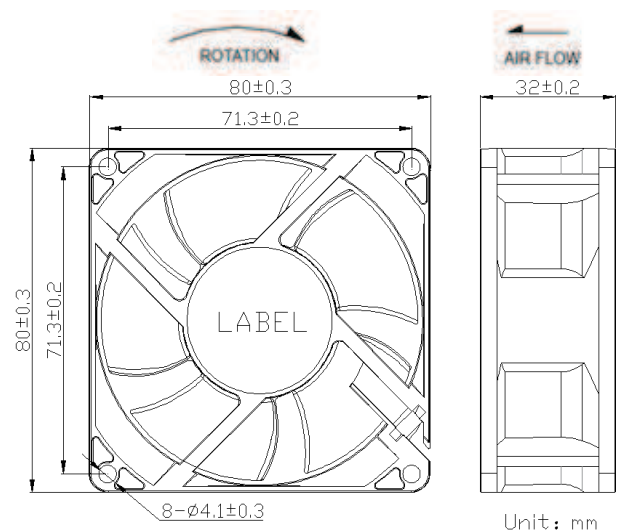
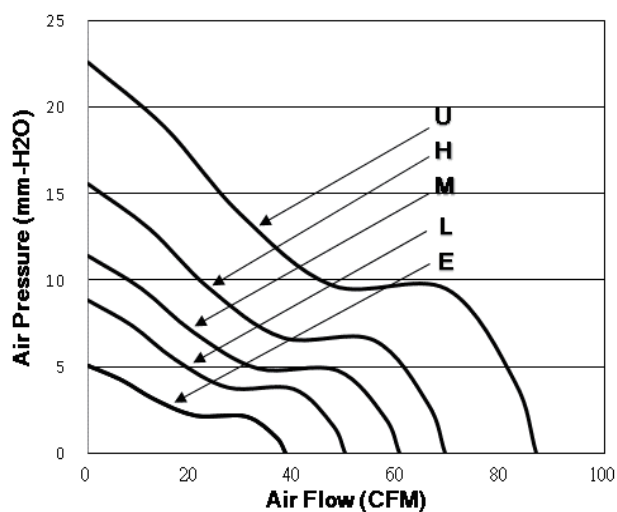
SERIES 80*80*32 mm

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DASA0832_2E	B	12	7.0~13.2	0.15	1.80	3000	1.08	38.20	5.02	0.20	30.6
DASA0832_2L	B	12	7.0~13.2	0.30	3.60	4000	1.41	49.70	8.82	0.35	39.2
DASA0832_2M	B	12	7.0~13.2	0.35	4.20	4800	1.71	60.40	11.38	0.45	44.9
DASA0832_2H	B	12	7.0~13.2	0.46	5.52	5500	1.96	69.10	15.53	0.61	48.4
DASA0832_2U	B	12	7.0~13.2	0.65	7.80	6300	2.39	84.34	19.37	0.76	52.2
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Function type is optional. * All reading are typical values at rated voltage
* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice
* Weight : 120g



BRUSHLESS DC AXIAL FAN



2B

SERIES

80*80*38 mm

- Frame:Thermoplastic PBT +30%GF(UL94V-0).
- Impeller:Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
2B08038_12E	B	12	7~ 13.2	0.34	4.08	4000	1.58	55.85	9.88	0.39	44.3
2B08038_24E	B	24	14~ 26.4	0.17	4.08	4000	1.58	55.85	9.88	0.39	44.3
2B08038_12L	B	12	7~ 13.2	0.47	5.64	5000	2	70.70	16	0.63	52.3
2B08038_24L	B	24	14~ 26.4	0.27	6.48	5000	2	70.70	16	0.63	52.3
2B08038_12M	B	12	7~ 13.2	0.75	9.00	6000	2.43	85.90	23	0.91	55.9
2B08038_24M	B	24	14~ 26.4	0.37	8.88	6000	2.43	85.90	23	0.91	55.9
2B08038_12H	B	12	7~ 13.2	1.14	13.68	7000	2.86	101.10	31.9	1.26	60.4
2B08038_24H	B	24	14~ 26.4	0.52	12.48	7000	2.86	101.10	31.9	1.26	60.4
2B08038_12U	B	12	7~ 13.2	1.76	21.12	8000	3.29	116.46	41.3	1.62	62.8
2B08038_24U	B	24	14~ 26.4	0.78	18.72	8000	3.29	116.46	41.3	1.62	62.8
2B08038_12S	B	12	7~ 13.2	2.56	30.72	9000	3.67	129.46	55.1	2.17	65.5
2B08038_24S	B	24	14~ 26.4	1.20	28.80	9000	3.67	129.46	55.1	2.17	65.5
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

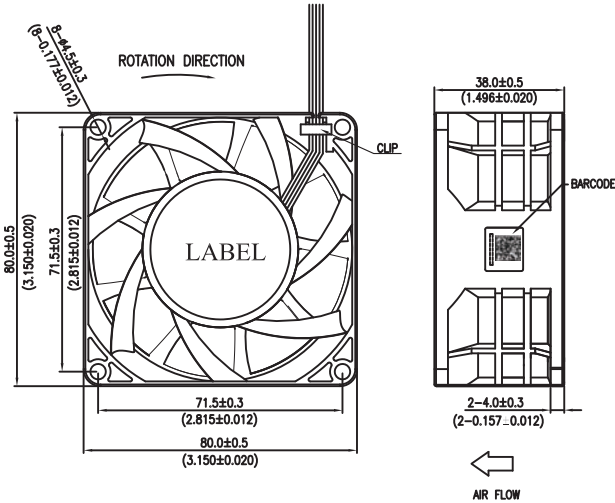
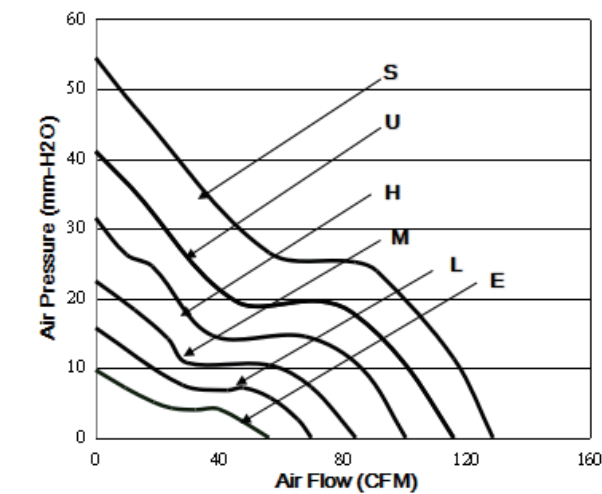
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 190g





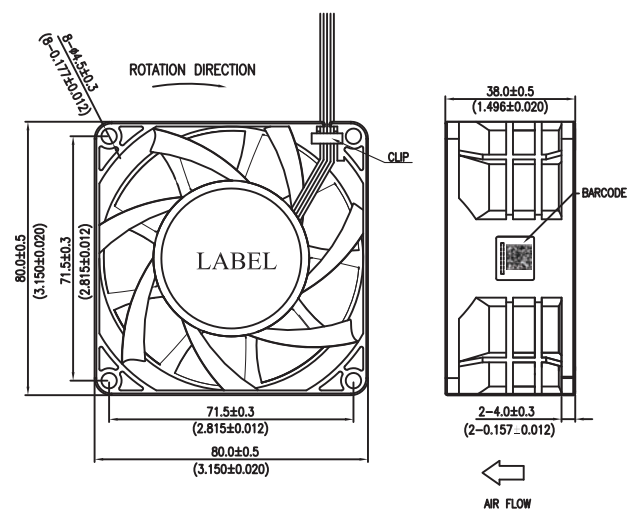
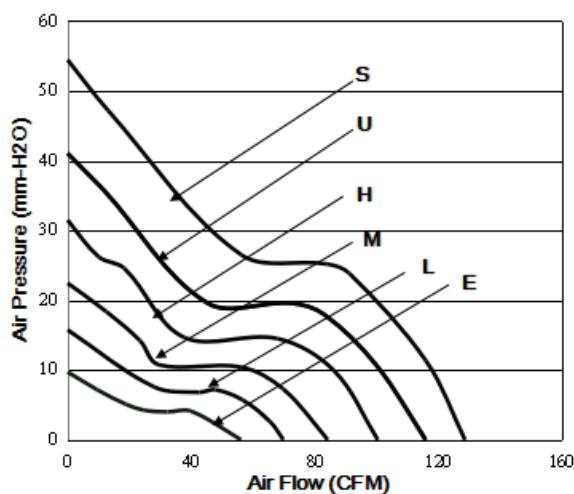
2B SERIES 80*80*38 mm

- Frame:Thermoplastic PBT +30%GF(UL94V-0).
- Impeller:Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature:-40°C to +75°C
- Operating temperature:-10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
2B08038_48E	B	48	28~56	0.09	4.32	4000	1.58	55.85	9.88	0.39	44.3
2B08038_48L	B	48	28~56	0.14	6.72	5000	2	70.70	16	0.63	52.3
2B08038_48M	B	48	28~56	0.22	10.56	6000	2.43	85.90	23	0.91	55.9
2B08038_48H	B	48	28~56	0.34	16.32	7000	2.86	101.10	31.9	1.26	60.4
2B08038_48U	B	48	28~56	0.48	23.04	8000	3.29	116.46	41.3	1.62	62.8
2B08038_48S	B	48	28~56	0.75	36	9000	3.67	129.46	55.1	2.17	65.5
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Weight : 190g



BRUSHLESS DC AXIAL FAN



DYTB

SERIES 80*80*38 mm

- Frame: Thermoplastic PBT +30%GF(UL94V-0).
- Impeller: Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DYTB0838_8H	B	48	36~72	0.425	20.4	9500	2.78	98.19	42.5	1.67	60
DYTB0838_8U	B	48	36~72	0.525	25.2	11000	3.416	120.65	58.8	2.32	62
DYTB0838_8G	B	48	36~72	0.94	45.12	14200	4.255	150.25	98.5	3.88	72.4
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

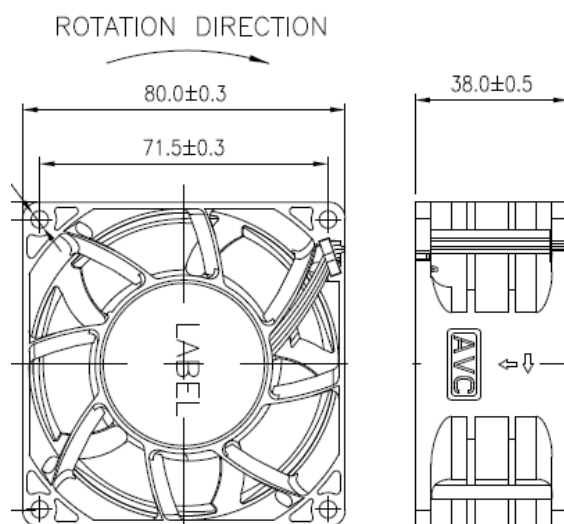
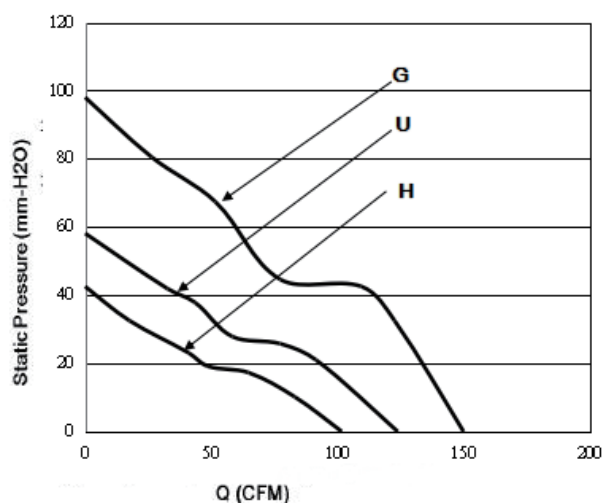
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 215g



BRUSHLESS DC AXIAL FAN



DA SERIES 92*92*25 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DA09225_12E	B R S	12	7.0~13.2	0.09	1.08	2100	1.05	37.00	2.39	0.09	25.0
DA09225_12L	B R S	12	7.0~13.2	0.11	1.32	2450	1.27	44.79	2.92	0.11	30.0
DA09225_12M	B R S	12	7.0~13.2	0.14	1.68	2850	1.48	52.11	3.95	0.16	34.0
DA09225_48M	B R S	48	28.0~56.0	0.08	3.84	2850	1.48	52.11	3.95	0.16	34.0
DA09225_12H	B R S	12	7.0~13.2	0.20	2.40	3200	1.65	58.29	4.67	0.18	38.0
DA09225_24H	B R S	24	14.0~26.4	0.15	3.60	3200	1.65	58.29	4.67	0.18	38.0
DA09225_48H	B R S	48	28.0~56.0	0.12	5.76	3200	1.65	58.29	4.67	0.18	38.0
DA09225_12U	B R S	12	7.0~13.2	0.30	3.60	3800	1.96	69.22	6.59	0.26	45.0
DA09225_24U	B R S	24	14.0~26.4	0.20	4.80	3800	1.96	69.22	6.59	0.26	45.0
DA09225_12S	B R S	12	7.0~13.2	0.41	4.92	4200	2.17	76.51	8.05	0.32	47.2

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

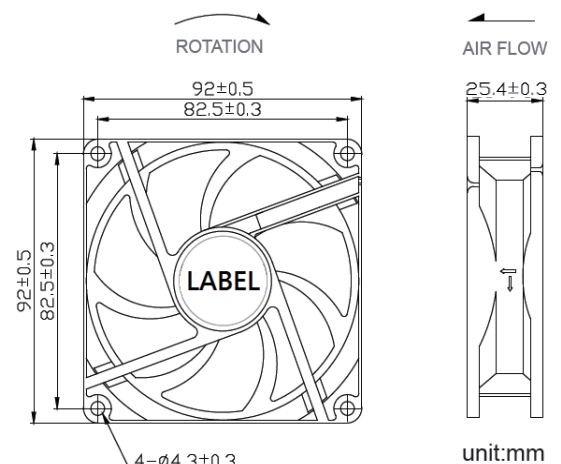
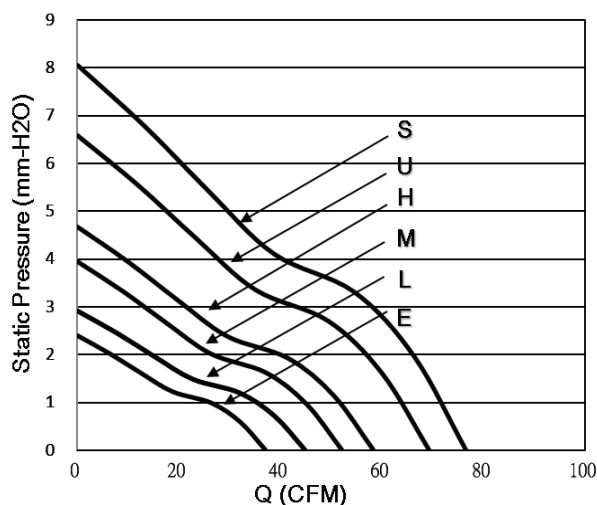
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 87g



BRUSHLESS DC AXIAL FAN



DS

SERIES

92*92*25 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DS09225_12E	B	12	7.0~13.2	0.09	1.08	2100	1.11	39.20	2.39	0.09	25.0
DS09225_12L	B	12	7.0~13.2	0.11	1.32	2450	1.27	44.80	3.15	0.12	30.0
DS09225_12M	B	12	7.0~13.2	0.14	1.68	2850	1.48	52.10	4.30	0.17	34.0
DS09225_12H	B	12	7.0~13.2	0.20	2.40	3200	1.65	58.30	5.70	0.22	38.0
DS09225_24H	B	24	14.0~26.4	0.15	3.60	3200	1.65	58.30	5.70	0.22	38.0
DS09225_48H	B	48	28.0~56.0	0.12	5.76	3200	1.65	58.30	5.70	0.22	38.0
DS09225_12U	B	12	7.0~13.2	0.30	3.60	3800	1.96	69.20	7.00	0.28	45.0
DS09225_24U	B	24	14.0~26.4	0.20	4.80	3800	1.96	69.20	7.00	0.28	45.0
DS09225_12S	B	12	7.0~13.2	0.41	4.92	4500	2.29	81.00	9.94	0.39	49.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

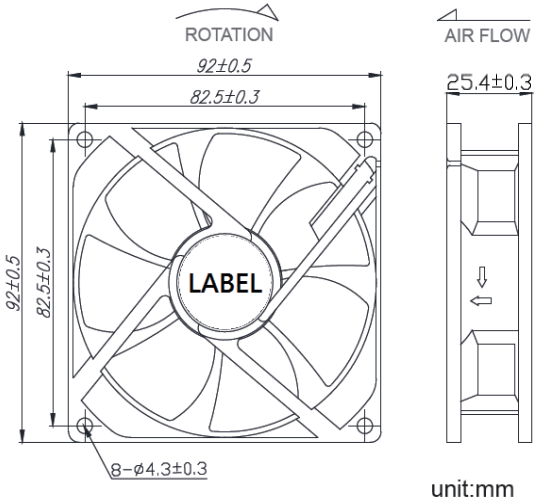
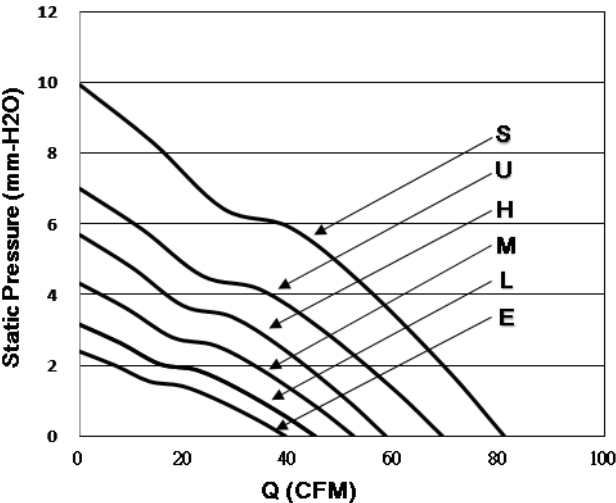
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 90g



BRUSHLESS DC AXIAL FAN



2B SERIES 92*92*38 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
2B09238_12L	B	12	7.0~13.2	0.50	6.00	4300	2.75	97.12	17.83	0.70	49.7
2B09238_24L	B	24	14.0~26.4	0.35	8.40	4300	2.75	97.12	17.83	0.70	49.7
*2B09238_48L	B	48	28.0~56.0	0.24	11.52	4300	2.75	97.12	17.83	0.70	49.7
2B09238_12M	B	12	7.0~13.2	0.90	10.80	5000	3.09	109.23	21.75	0.86	55.0
2B09238_24M	B	24	14.0~26.4	0.45	10.80	5000	3.09	109.23	21.75	0.86	55.0
2B09238_48M	B	48	28.0~56.0	0.28	13.44	5000	3.09	109.23	21.75	0.86	55.0
2B09238_12H	B	12	7.0~13.2	1.20	14.40	6000	3.50	123.43	28.53	1.12	60.5
*2B09238_24H	B	24	14.0~26.4	0.76	18.24	6000	3.50	123.43	28.53	1.12	60.5
2B09238_48H	B	48	28.0~56.0	0.30	14.40	6000	3.50	123.43	28.53	1.12	60.5
2B09238_12U	B	12	7.0~13.2	2.50	30.00	7000	4.12	145.57	37.06	1.46	64.1
2B09238_24U	B	24	14.0~26.4	1.10	26.40	7000	4.12	145.57	37.06	1.46	64.1
2B09238_48U	B	48	28.0~56.0	0.50	24.00	7000	4.12	145.57	37.06	1.46	64.1
*2B09238_24S	B	24	14.0~26.4	1.70	40.80	8000	4.71	166.37	48.40	1.91	68.4

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

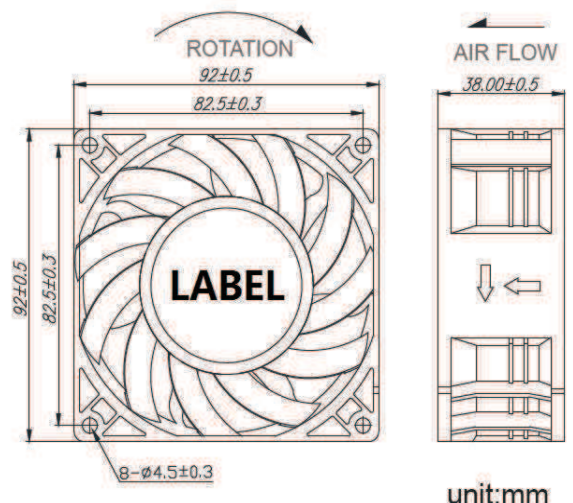
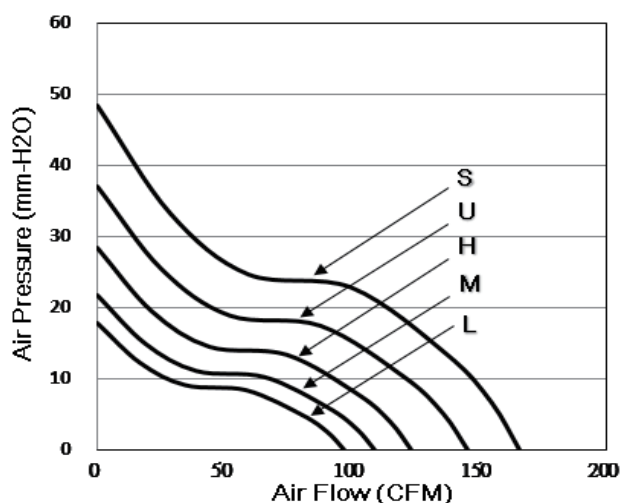
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 216g



BRUSHLESS DC AXIAL FAN



- DA

SERIES

120*120*25 mm
- Frame:Thermoplastic PBT +30%GF(94V-0).
 - Impeller:Thermoplastic PBT +15%GF(94V-0).
 - Storage temperature:-40℃ to +75℃
 - Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA12025_12E	B R S	12	7.0~13.2	0.08	0.96	1200	1.15	40.60	2.10	0.08	19.0
DA12025_24E	B R S	24	14.0~26.4	0.05	1.20	1200	1.15	40.60	2.10	0.08	19.0
DA12025_12L	B R S	12	7.0~13.2	0.18	2.16	1900	1.97	69.60	3.40	0.14	29.0
DA12025_24L	B R S	24	14.0~26.4	0.10	2.40	1900	1.97	69.60	3.40	0.14	29.0
DA12025_12M	B R S	12	7.0~13.2	0.20	2.40	2200	2.21	78.20	4.50	0.18	31.0
DA12025_24M	B R S	24	14.0~26.4	0.18	4.32	2200	2.21	78.20	4.50	0.18	31.0
DA12025_12H	B R S	12	7.0~13.2	0.28	3.36	2500	2.42	85.50	5.00	0.20	36.0
DA12025_24H	B R S	24	14.0~26.4	0.20	4.80	2500	2.42	85.50	5.00	0.20	36.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

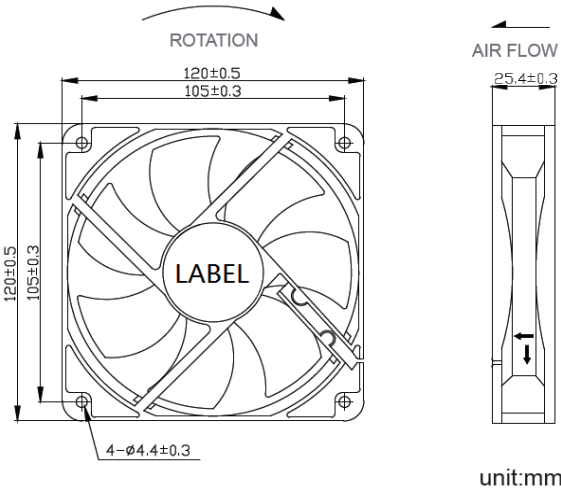
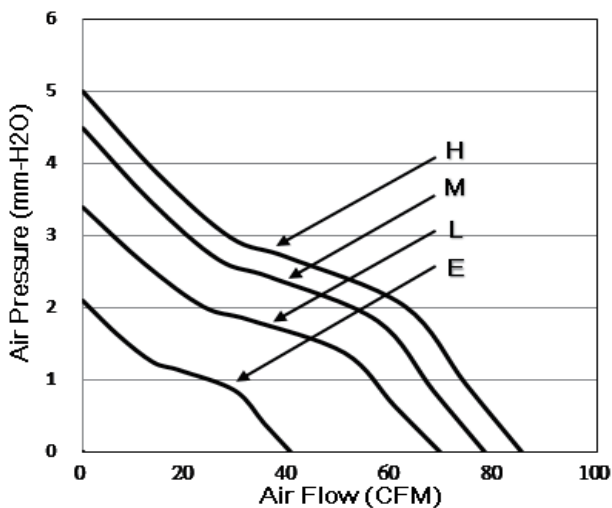
*Function type is optional.

* All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice

* Weight : 152g



BRUSHLESS DC AXIAL FAN



DS SERIES 120*120*25 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DS12025_12E	B	12	7.0~13.2	0.13	1.56	2100	1.92	67.70	4.30	0.17	34.8
DS12025_24E	B	24	14.0~26.4	0.10	2.40	2100	1.92	67.70	4.30	0.17	34.8
DS12025_12L	B	12	7.0~13.2	0.24	2.88	2500	2.19	77.20	5.80	0.23	38.5
DS12025_24L	B	24	14.0~26.4	0.12	2.88	2500	2.19	77.20	5.80	0.23	38.5
DS12025_12M	B	12	7.0~13.2	0.28	3.36	2800	2.46	86.70	7.10	0.28	41.7
DS12025_24M	B	24	14.0~26.4	0.13	3.12	2800	2.46	86.70	7.10	0.28	41.7
DS12025_12H	B	12	7.0~13.2	0.44	5.28	3400	2.94	103.90	10.10	0.40	46.9
DS12025_24H	B	24	14.0~26.4	0.21	5.04	3400	2.94	103.90	10.10	0.40	46.9
DS12025_12U	B	12	7.0~13.2	0.55	6.60	3700	3.25	114.80	11.80	0.46	49.8
DS12025_24U	B	24	14.0~26.4	0.26	6.24	3700	3.25	114.80	11.80	0.46	49.8
*DS12025_24S	B	24	14.0~26.4	0.35	8.40	4000	3.43	121.10	13.00	0.51	51.6

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

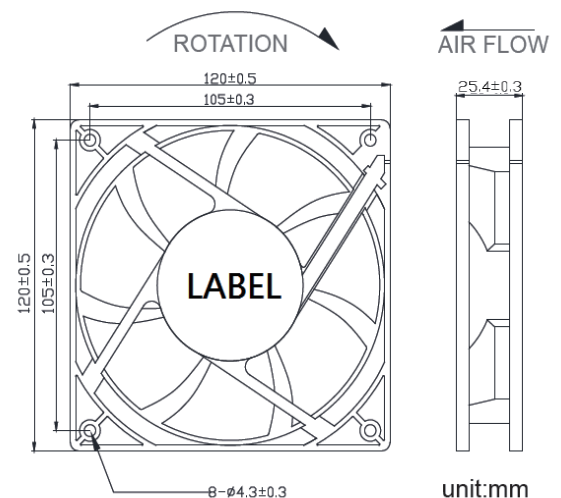
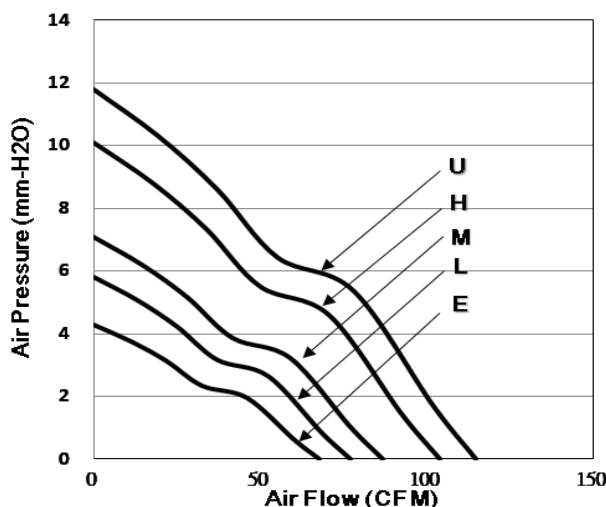
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 185g



BRUSHLESS DC AXIAL FAN



DATA

SERIES

120*120*32 mm

- Frame:Thermoplastic PBT +30%GF(UL94V-0).
- Impeller:Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DATA1232_4E	B	24	14~30	0.09	2.16	1900	2.05	72.30	3.10	0.12	33.1
DATA1232_8E	B	48	28~56	0.06	2.88	1900	2.05	72.30	3.10	0.12	33.1
DATA1232_4L	B	24	14~30	0.13	3.12	2500	2.70	95.20	5.30	0.21	41.4
DATA1232_8L	B	48	28~56	0.08	3.84	2500	2.70	95.20	5.30	0.21	41.4
DATA1232_4M	B	24	14~30	0.22	5.28	3150	3.40	119.90	8.40	0.33	48.1
DATA1232_8M	B	48	28~56	0.13	6.24	3150	3.40	119.90	8.40	0.33	48.1
DATA1232_4H	B	24	14~30	0.37	8.88	3800	4.10	144.70	12.30	0.48	53.3
DATA1232_8H	B	48	28~56	0.19	9.12	3800	4.10	144.70	12.30	0.48	53.3
DATA1232_4U	B	24	14~30	0.40	9.60	4300	4.64	163.70	15.70	0.62	56.8
DATA1232_8U	B	48	28~56	0.28	13.44	4300	4.64	163.70	15.70	0.62	56.8
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

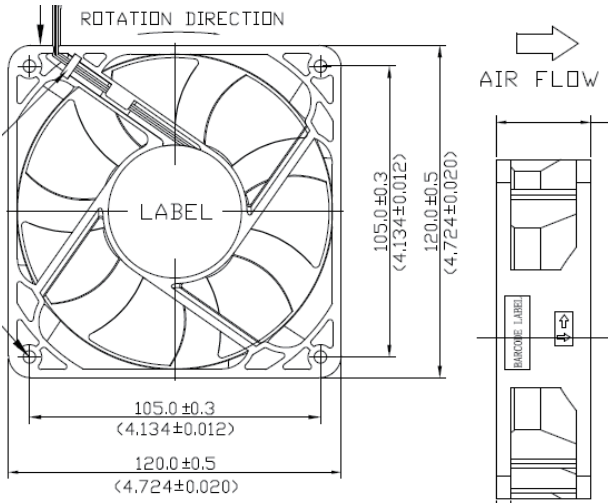
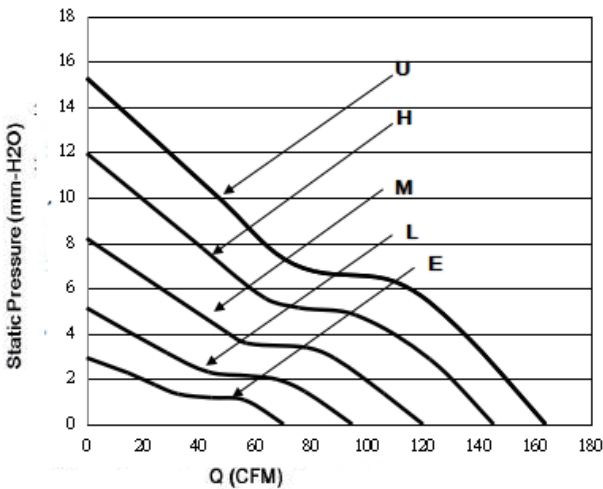
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 240g



BRUSHLESS DC AXIAL FAN



2B SERIES 120*120*38 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
2B12038_12M	B	12	7.0~13.2	2.00	24.00	4000	4.85	171.40	17.80	0.70	54.1
*2B12038_24M	B	24	14.0~26.4	1.30	31.20	4000	4.85	171.40	17.80	0.70	54.1
*2B12038_48M	B	48	28.0~56.0	0.60	28.80	4000	4.85	171.40	17.80	0.70	54.1
2B12038_12H	B	12	7.0~13.2	2.50	30.00	4800	5.84	206.30	26.20	1.03	60.9
*2B12038_24H	B	24	14.0~26.4	1.80	43.20	4800	5.84	206.30	26.20	1.03	60.9
*2B12038_48H	B	48	28.0~56.0	0.90	43.20	4800	5.84	206.30	26.20	1.03	60.9
2B12038_12U	B	12	7.0~13.2	3.88	46.56	5500	6.71	237.00	34.91	1.37	68.5
*2B12038_24U	B	24	14.0~26.4	2.50	60.00	5500	6.71	237.00	34.91	1.37	68.5
2B12038_48U	B	48	28.0~56.0	1.20	57.60	5500	6.71	237.00	34.91	1.37	68.5

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

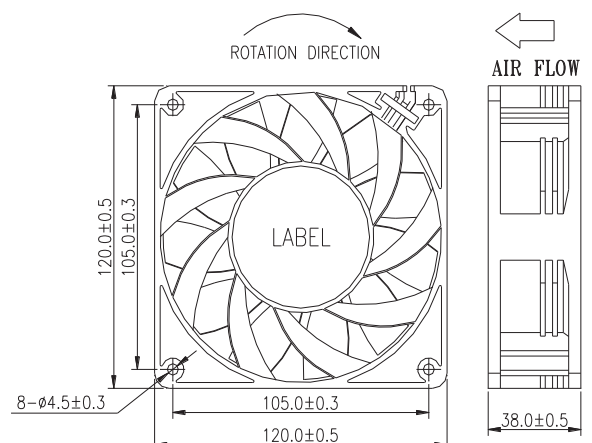
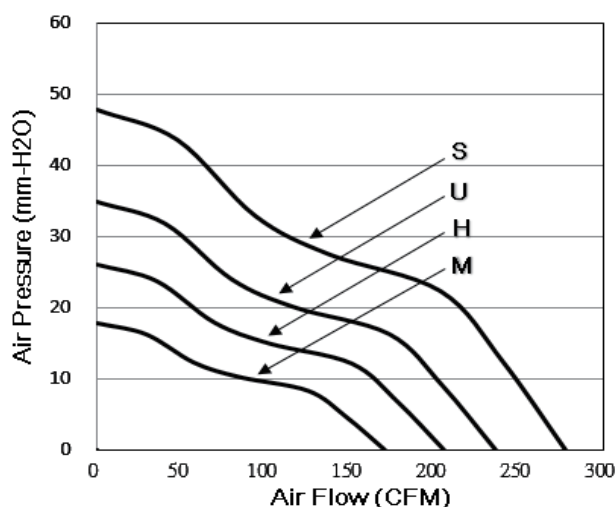
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 450g



BRUSHLESS DC AXIAL FAN



- DA

SERIES

120*120*38 mm
- Frame:Thermoplastic PBT +30%GF(94V-0).
 - Impeller:Thermoplastic PBT +15%GF(94V-0).
 - Storage temperature:-40℃ to +75℃
 - Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DA12038_24E	B S	24	14.0~26.4	0.18	4.32	2300	2.87	101.4	8.1	0.32	38.0
DA12038_48E	B S	48	28.0~56.0	0.10	4.80	2300	2.87	101.4	8.1	0.32	38.0
DA12038_12L	B S	12	7.0~13.2	0.40	4.80	2600	3.25	114.7	10.4	0.41	41.0
DA12038_24L	B S	24	14.0~26.4	0.20	4.80	2600	3.25	114.7	10.4	0.41	41.0
DA12038_48L	B S	48	28.0~56.0	0.14	6.72	2600	3.25	114.7	10.4	0.41	41.0
DA12038_12M	B	12	7.0~13.2	0.50	6.00	2900	3.49	123.2	11.3	0.44	44.0
DA12038_24M	B	24	14.0~26.4	0.35	8.40	2900	3.49	123.2	11.3	0.44	44.0
DA12038_48M	B	48	28.0~56.0	0.20	9.60	2900	3.49	123.2	11.3	0.44	44.0
DA12038_12H	B	12	7.0~13.2	0.80	9.60	3200	3.85	135.9	13.8	0.54	48.0
DA12038_24H	B	24	14.0~26.4	0.45	10.80	3200	3.85	135.9	13.8	0.54	48.0
DA12038_48H	B	48	28.0~56.0	0.23	11.04	3200	3.85	135.9	13.8	0.54	48.0
DA12038_12U	B	12	7.0~13.2	1.55	18.60	4200	5.05	178.4	23.8	0.94	54.0
DA12038_24U	B	24	14.0~26.4	0.80	19.20	4200	5.05	178.4	23.8	0.94	54.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

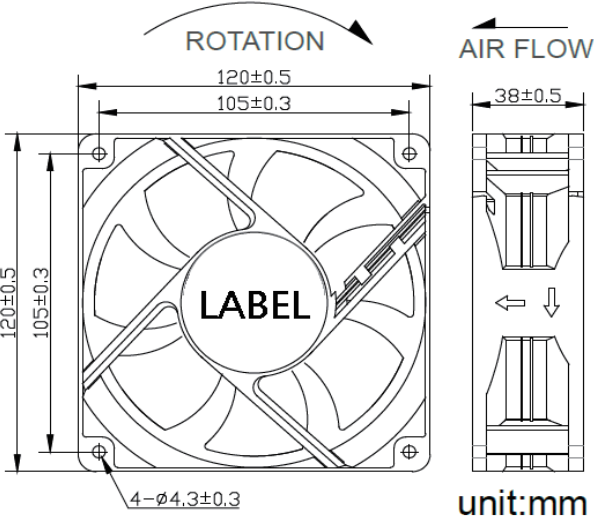
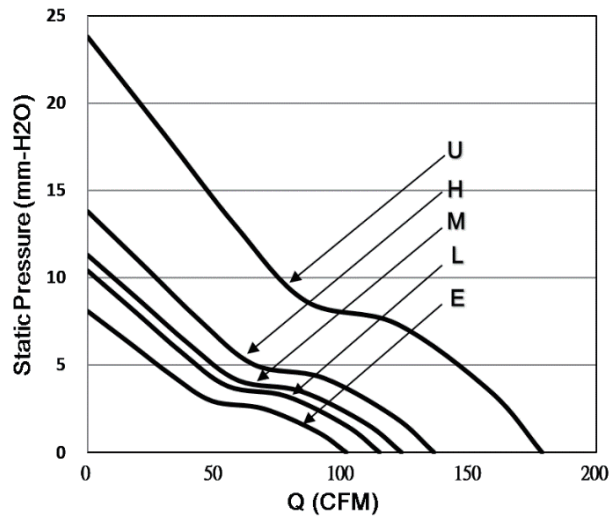
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 260g



BRUSHLESS DC AXIAL FAN



DK SERIES 120*120*38 mm

- Frame: Thermoplastic PBT +30%GF(94V-0).
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DK12038_12E	B	12	7.0~13.2	1.50	18.00	4100	5.39	190.50	17.64	0.69	55.5
DK12038_24E	B	24	14.0~26.4	0.70	16.80	4100	5.39	190.50	17.64	0.69	55.5
DK12038_48E	B	48	28.0~56.0	0.41	19.68	4100	5.39	190.50	17.64	0.69	55.5
DK12038_12L	B	12	7.0~13.2	1.75	21.00	4600	6.02	212.60	21.43	0.84	58.5
DK12038_24L	B	24	14.0~26.4	0.85	20.40	4600	6.02	212.60	21.43	0.84	58.5
*DK12038_48L	B	48	28.0~56.0	0.47	22.56	4600	6.02	212.60	21.43	0.84	58.5
DK12038_12M	B	12	7.0~13.2	2.00	24.00	5200	6.82	241.00	27.48	1.08	62.0
DK12038_24M	B	24	14.0~26.4	1.45	34.80	5200	6.82	241.00	27.48	1.08	62.0
DK12038_48M	B	48	28.0~56.0	0.55	26.40	5200	6.82	241.00	27.48	1.08	62.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

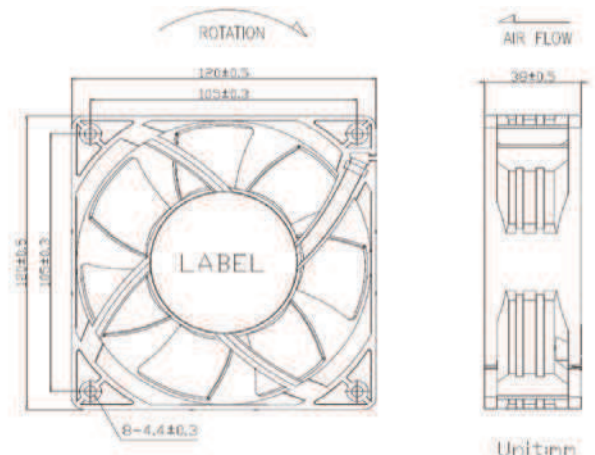
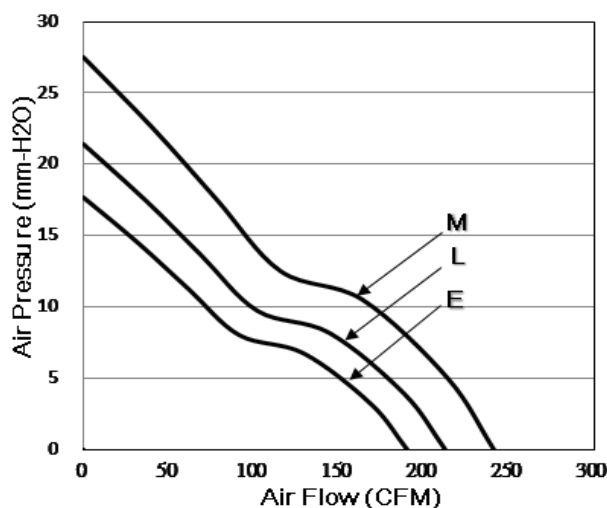
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 330g



BRUSHLESS DC AXIAL FAN



DYPA SERIES 120*120*38 mm

Major Characteristic Parameters



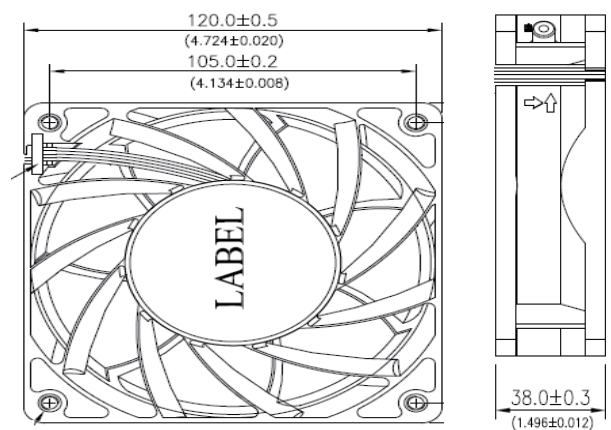
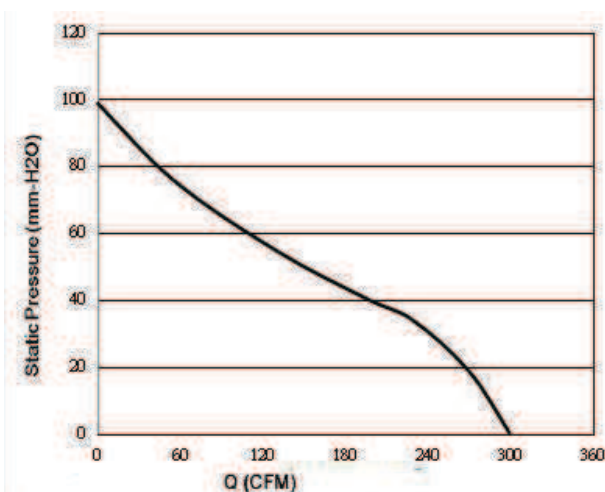
DYTH SERIES 120*120*38 mm

- Frame:Diecast Aluminum
- Impeller:Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature:-40°C to +75°C
- Operating temperature:-10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

[illegible]

* Weight : 500g



ROTATION DIRECTION



AIR FLOW

BRUSHLESS DC AXIAL FAN



DB SERIES 127*127*38 mm

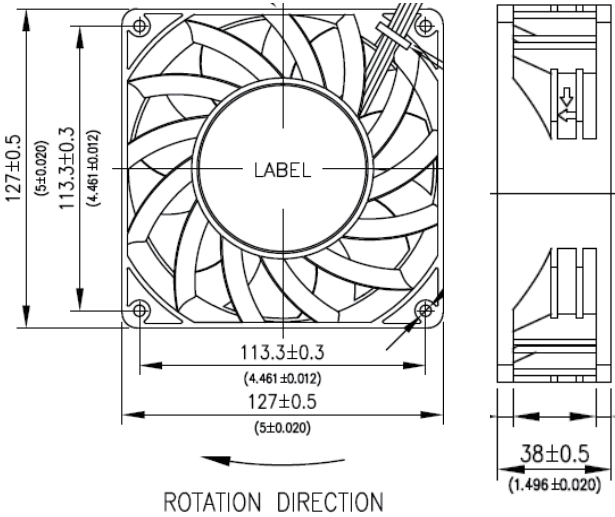
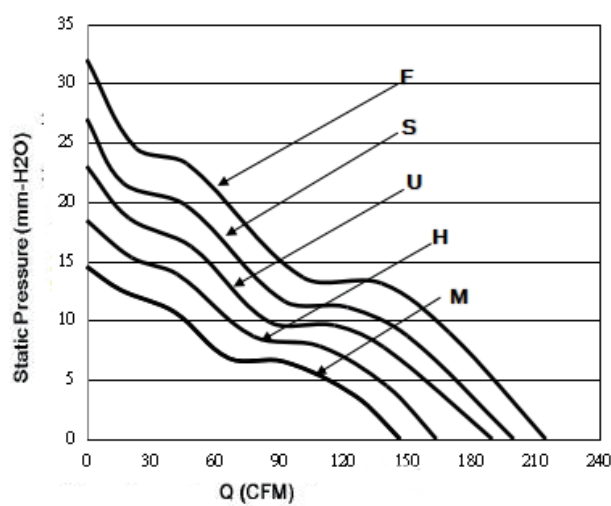
- Frame:Thermoplastic PBT +30%GF(UL94V-0).
- Impeller:Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
DB12738_24M	B	24	14~30	0.35	8.40	3500	4.15	146.84	14.74	0.58	55.3
DB12738_48M	B	48	28~56	0.24	11.52	3500	4.15	146.84	14.74	0.58	55.3
DB12738_24H	B	24	14~30	0.40	9.60	3900	4.65	164.31	18.70	0.74	57.7
DB12738_48H	B	48	28~56	0.31	14.88	3900	4.65	164.31	18.70	0.74	57.7
DB12738_24U	B	24	14~30	0.55	13.20	4300	5.40	190.93	23.70	0.93	60.1
DB12738_48U	B	48	28~56	0.38	18.24	4300	5.40	190.93	23.70	0.93	60.1
DB12738_24S	B	24	14~30	0.68	16.32	4600	5.67	200.54	26.64	1.05	61.7
DB12738_48S	B	48	28~56	0.46	22.08	4600	5.67	200.54	26.64	1.05	61.7
DB12738_24F	B	24	14~30	0.84	20.16	5000	6.10	215.53	32.10	1.26	64.1
DB12738_48F	B	48	28~56	0.57	27.36	5000	6.10	215.53	32.10	1.26	64.1
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

*Function type is optional. *All reading are typical values at rated voltage * Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing * Weight : 492g



BRUSHLESS DC AXIAL FAN



DA SERIES 172*150*51 mm

- Frame: Diecast Aluminum.
- Impeller: Thermoplastic PBT +15%GF(94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA
DA15051_24E	B	24	14.0~26.4	0.70	16.80	3500	7.45	263.00	20.85	0.82	57.0
DA15051_48E	B	48	28.0~56.0	0.50	24.00	3500	7.45	263.00	20.85	0.82	57.0
DA15051_24L	B	24	14.0~26.4	1.00	24.00	4000	8.24	291.00	23.22	0.91	61.5
DA15051_48L	B	48	28.0~56.0	0.55	26.40	4000	8.24	291.00	23.22	0.91	61.5
DA15051_24M	B	24	14.0~26.4	1.50	36.00	4400	9.15	323.00	26.93	1.06	63.5
DA15051_48M	B	48	28.0~56.0	0.80	38.40	4400	9.15	323.00	26.93	1.06	63.5
DA15051_24H	B	24	14.0~26.4	2.10	50.40	4800	9.91	350.00	31.42	1.24	65.5
DA15051_48H	B	48	28.0~56.0	0.90	43.20	4800	9.91	350.00	31.42	1.24	65.5
DA15051_24U	B	24	14.0~26.4	2.40	57.60	5200	10.70	378.00	34.44	1.36	68.0
DA15051_48U	B	48	28.0~56.0	1.30	62.40	5200	10.70	378.00	34.44	1.36	68.0

(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)

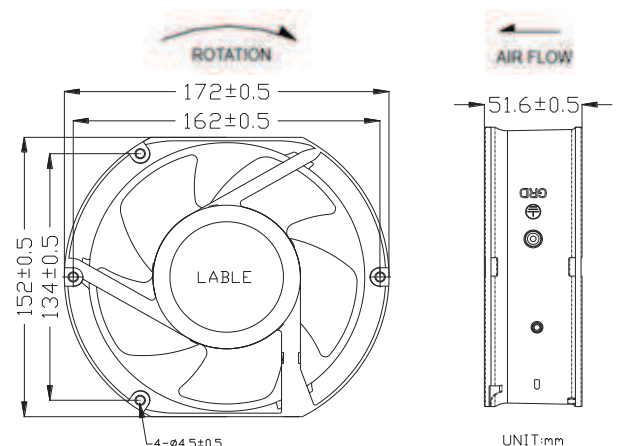
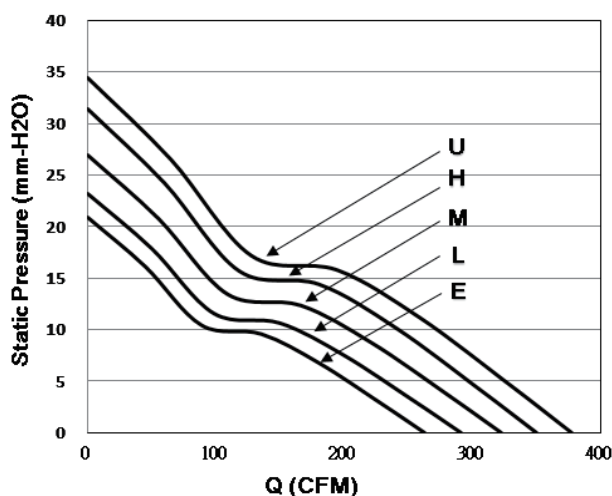
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 610g

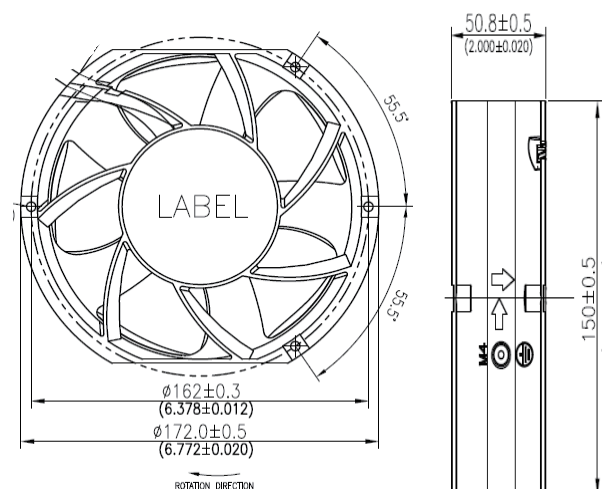




- ## Major Characteristic Parameters

* Function type is optional. * All reading are typical values at rated voltage * Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing * Weight : 960g



DC Blower Fans



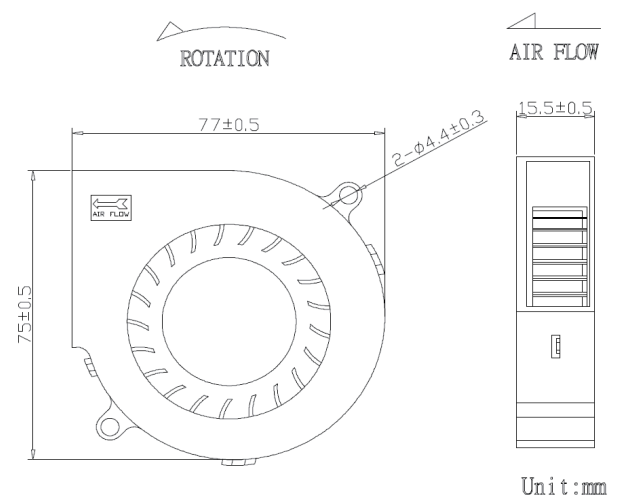
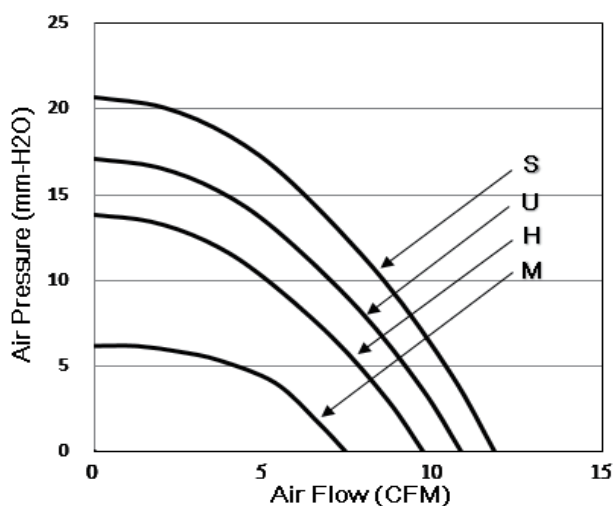


BA SERIES 75*75*15 mm

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
* BA07015_12M	B	12	7.0~13.2	0.21	2.52	4000	0.21	7.40	6.20	0.24	43.0
* BA07015_12H	B	12	7.0~13.2	0.32	3.84	4500	0.27	9.70	13.80	0.54	47.0
BA07015_12U	B	12	7.0~13.2	0.40	4.80	5000	0.31	10.80	17.10	0.67	49.0
* BA07015_12S	B	12	7.0~13.2	0.50	6.00	5500	0.33	11.80	20.70	0.81	51.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Specifications are subject to change without notice
* Weight : 85g



BRUSHLESS DC BLOWER FAN



BA

SERIES

75*75*30 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
* BA07530_12L	B R	12	7.0~13.2	0.19	2.28	2600	0.31	10.90	7.80	0.31	32.1
* BA07530_24L	B R	24	14.0~26.4	0.14	3.36	2600	0.31	10.90	7.80	0.31	32.1
BA07530_12M	B R	12	7.0~13.2	0.23	2.76	3000	0.36	12.70	9.10	0.36	41.4
BA07530_24M	B R	24	14.0~26.4	0.16	3.84	3000	0.36	12.70	9.10	0.36	41.4
BA07530_12H	B R	12	7.0~13.2	0.38	4.56	3600	0.48	17.00	12.20	0.48	47.5
BA07530_24H	B R	24	14.0~26.4	0.22	5.28	3600	0.48	17.00	12.20	0.48	47.5
BA07530_12U	B R	12	7.0~13.2	0.47	5.64	4000	0.61	21.40	15.70	0.62	51.3
BA07530_24U	B R	24	14.0~26.4	0.30	7.20	4000	0.61	21.40	15.70	0.62	51.3
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

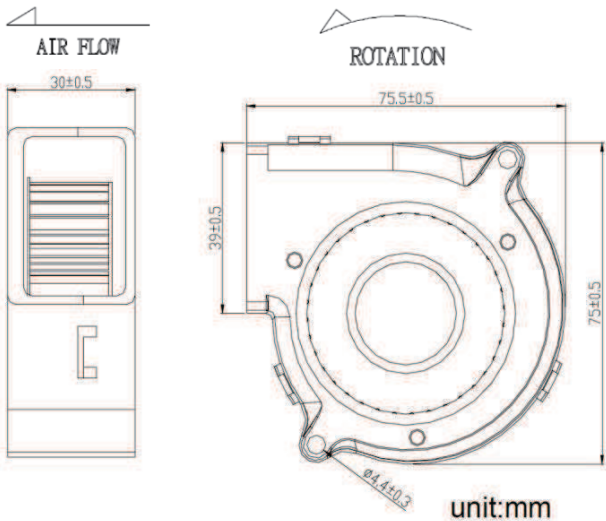
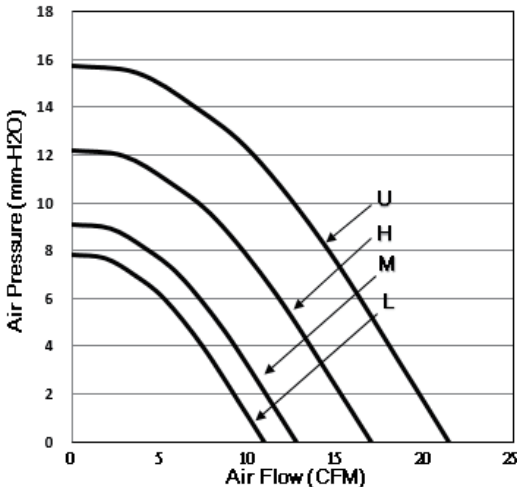
*Function type is optional.

*All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 100g



BRUSHLESS DC BLOWER FAN



F

SERIES 97*97*33 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40°C to +75°C
- Operating temperature:-10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
F9733_12L	B S	12	7.0~13.2	0.21	2.52	2200	0.46	16.30	6.20	0.24	43.0
F9733_12M	B S	12	7.0~13.2	0.32	3.84	2700	0.57	20.10	10.30	0.41	45.0
F9733_12H	B S	12	7.0~13.2	0.60	7.20	3600	0.82	28.80	22.00	0.87	52.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

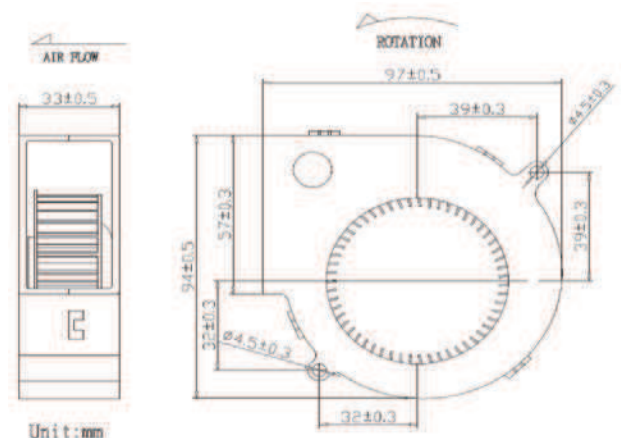
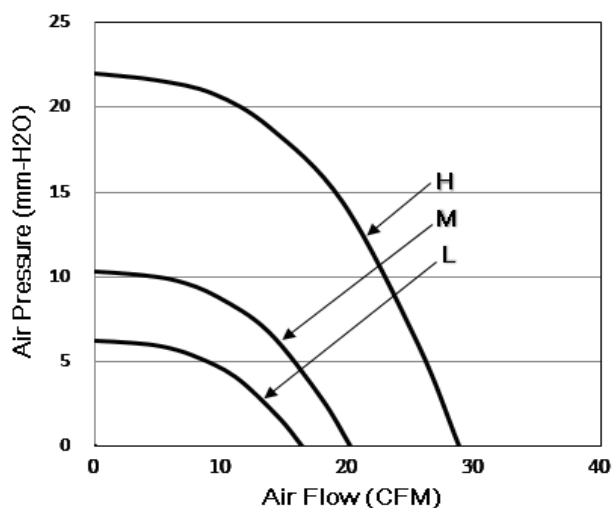
* Function type is optional.

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Weight : 150g



BRUSHLESS DC BLOWER FAN



BA

SERIES

97*97*33 mm

- Frame:Thermoplastic PBT +30%GF(94V-0).
- Impeller:Thermoplastic PBT +15%GF(94V-0).
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA
BA10033_12L	B	12	7.0~13.2	0.38	4.56	2700	0.69	24.40	18.95	0.75	48.0
BA10033_24L	B	24	14.0~26.4	0.22	5.28	2700	0.69	24.40	18.95	0.75	48.0
BA10033_12M	B	12	7.0~13.2	0.66	7.92	3200	0.81	28.74	29.21	1.15	52.5
BA10033_24M	B	24	14.0~26.4	0.34	8.16	3200	0.81	28.74	29.21	1.15	52.5
BA10033_12H	B	12	7.0~13.2	0.88	10.56	3600	0.91	32.21	35.10	1.38	54.8
BA10033_24H	B	24	14.0~26.4	0.45	10.80	3600	0.91	32.21	35.10	1.38	54.8
BA10033_12U	B	12	7.0~13.2	1.55	18.60	4200	1.10	38.68	50.61	1.99	58.4
BA10033_12S	B	12	7.0~13.2	1.90	22.80	5000	1.29	45.61	74.68	2.94	62.7
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

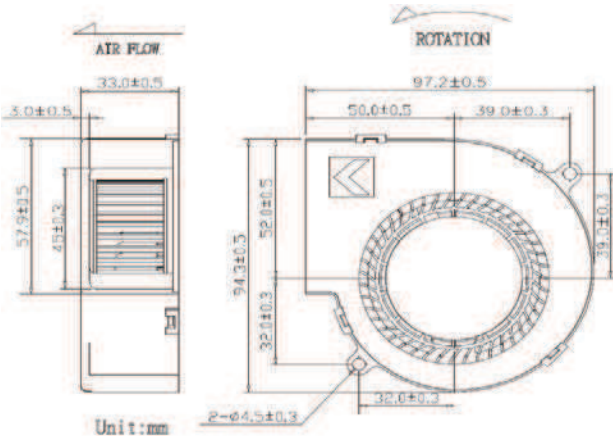
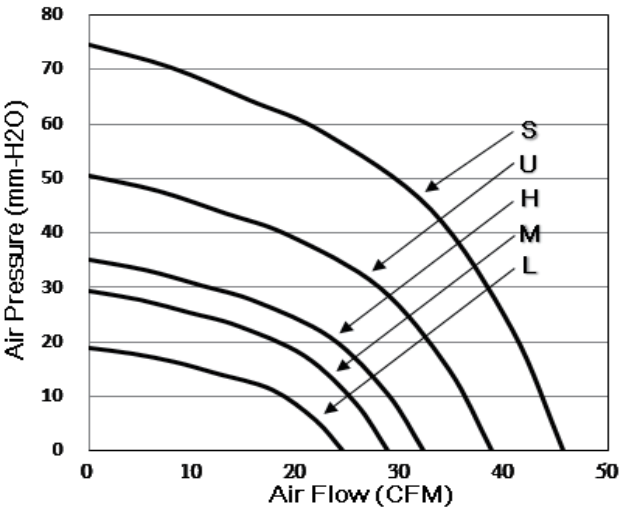
*Function type is optional.

*All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing R: Hydraulic Bearing S: Sleeve Bearing

* Specifications are subject to change without notice

* Weight : 180g



AC Axial Fans



BRUSHLESS AC AXIAL FAN



AS SERIES 80*80*38 mm



AS SERIES 120*120*25 mm

BRUSHLESS AC AXIAL FAN



AS

SERIES

120*120*38 mm

- Motor:Shaded pole AC motor.
- Frame & Imeller:Al Die-casting & PBT plastic.
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(S).

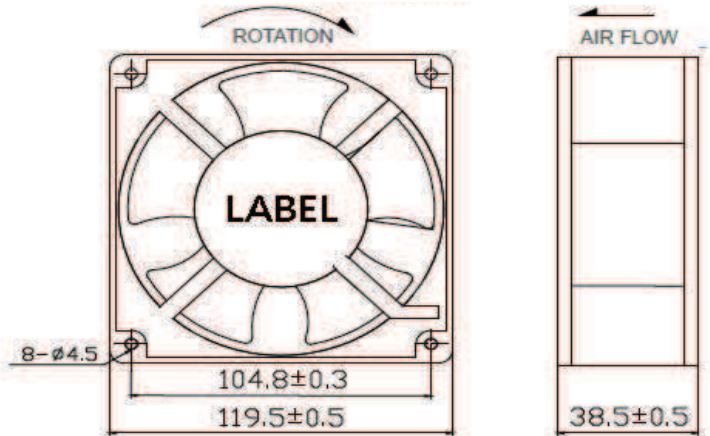
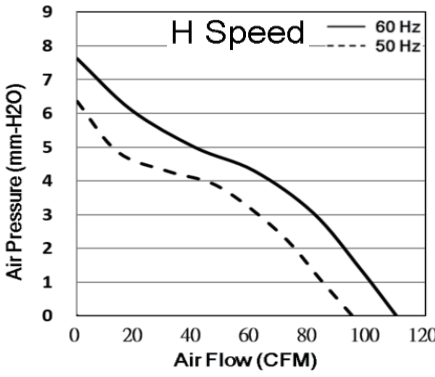
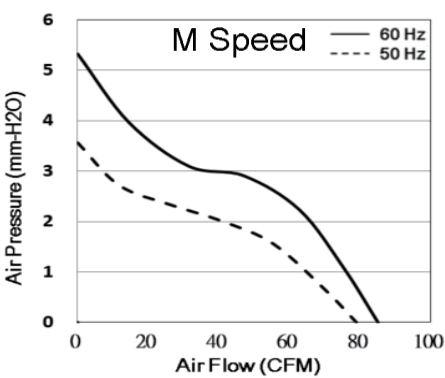
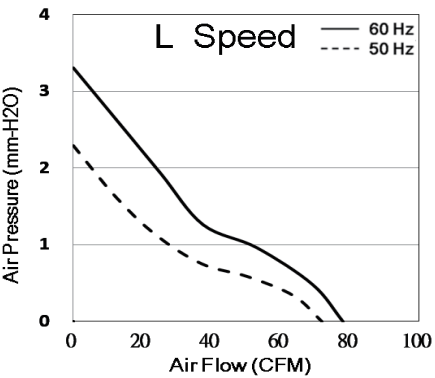
Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Freq.	Input Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level	Weight
Part NO.	B / S	V	Hz	Watt	RPM	m³/min	CFM	mm-H ₂ O	In-H ₂ O	dBA	KG
AS12038-V1L- <u> </u>	B S	110	50/60	11/11	2150/2300	2.04/2.21	72/78	2.29/3.30	0.09/0.13	26/27	0.53
AS12038-V2L- <u> </u>	B S	230	50/60	11/11	2150/2300	2.04/2.21	72/78	2.29/3.30	0.09/0.13	26/27	0.53
AS12038-V1M- <u> </u>	B S	110	50/60	15/15	2400/2600	2.24/2.41	79/85	3.56/5.33	0.14/0.21	36/37	0.53
AS12038-V2M- <u> </u>	B S	230	50/60	15/15	2400/2600	2.24/2.41	79/85	3.56/5.33	0.14/0.21	36/37	0.53
AS12038-V1H- <u> </u>	B S	110	50/60	19/16	2600/3100	2.69/3.11	95/110	6.35/7.62	0.25/0.30	43/44	0.53
AS12038-V2H- <u> </u>	B S	230	50/60	19/16	2600/3100	2.69/3.11	95/110	6.35/7.62	0.25/0.30	43/44	0.53

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing S: Sleeve Bearing

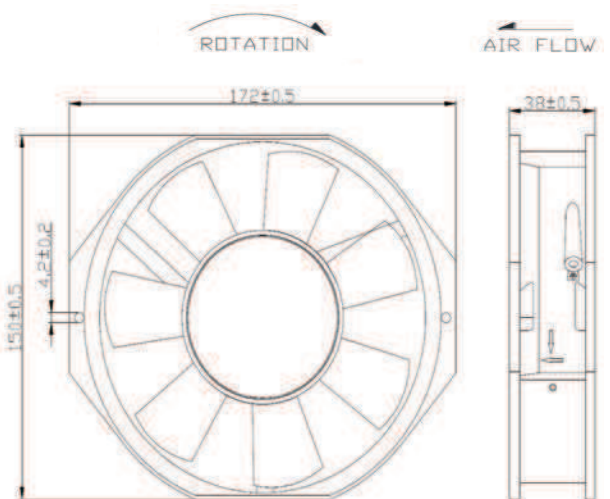




- ## Major Characteristic Parameters

* Function type is optional. * All reading are typical values at rated voltage * Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing S: Sleeve Bearing



BRUSHLESS AC AXIAL FAN



AE SERIES 172*150*51 mm

- Motor: Shaded pole AC motor.
- Frame & Impeller: Al Die-casting & PBT plastic.
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(S).

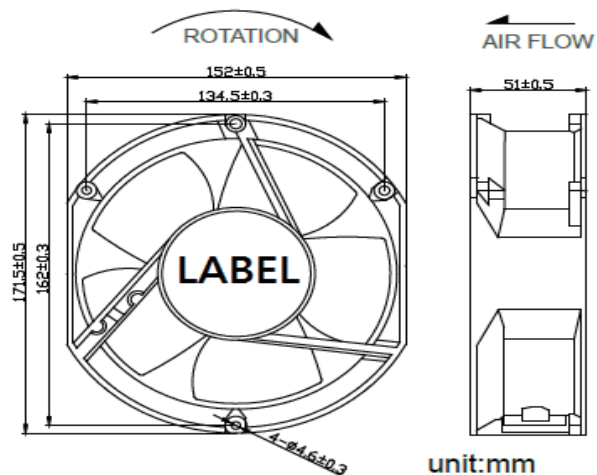
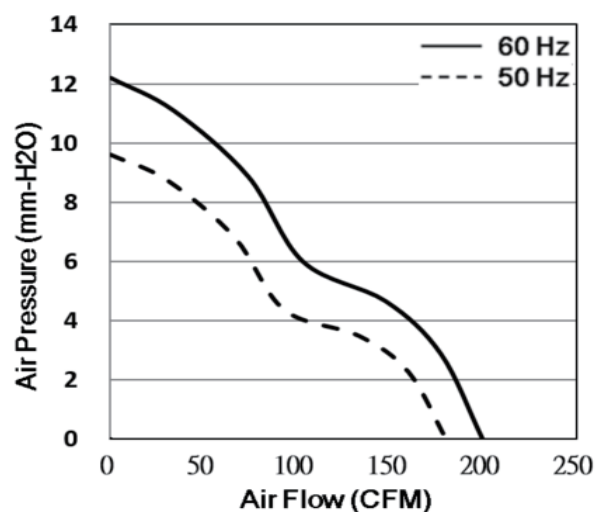
Major Characteristic Parameters

[illegible]

* All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing S: Sleeve Bearing

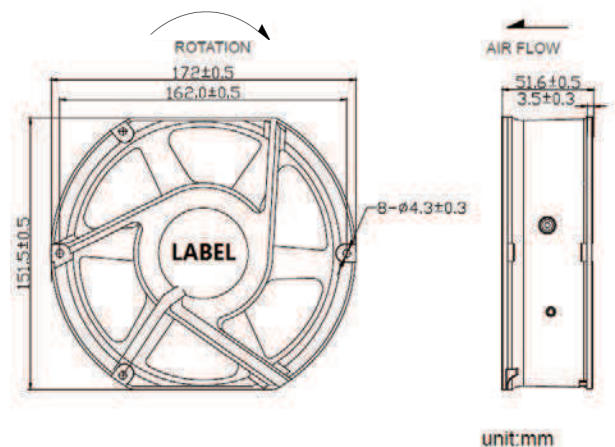
* Specifications are subject to change without notice





- ## Major Characteristic Parameters

* Bearing system B: Two Ball Bearing S: Sleeve Bearing



BRUSHLESS AC AXIAL FAN



D4 SERIES 225*225*80 mm

- Motor: External Rotor Capacitor Motor.
- Frame & Imeller: Al Die-casting & Metal.
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C.

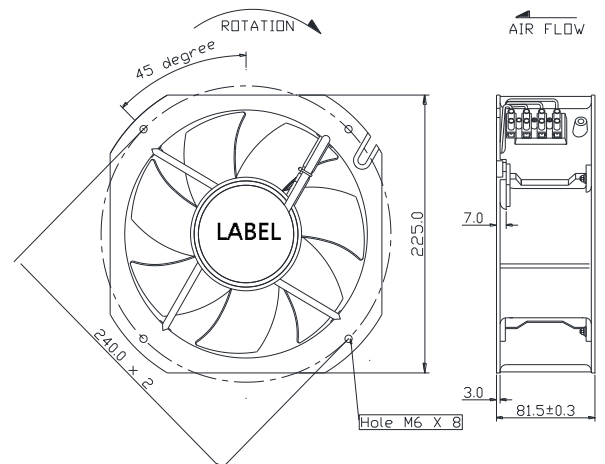
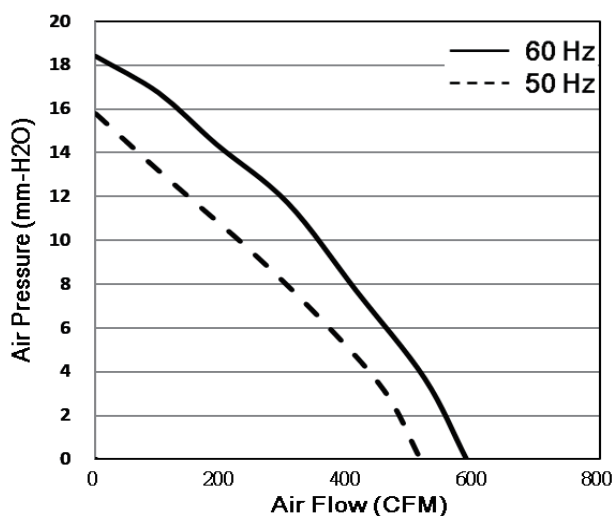
Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Freq.	Input Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level	Weight
Part NO.	B / S	V	Hz	Watt	RPM	m ³ /min	CFM	mm-H ₂ O	In-H ₂ O	dBA	KG
D4KA2280BAH3WAW	B	115	50/60	60/78	2550/2850	14.6/16.7	515/589	15.8/18.4	0.62/0.72	60/62	2.11
D4KA2280BBH3WAW	B	230	50/60	60/78	2550/2850	14.6/16.7	515/589	15.8/18.4	0.62/0.72	60/62	2.11

* All reading are typical values at rated voltage

* Bearing system B: Two Ball Bearing S: Sleeve Bearing

* Specifications are subject to change without notice



BRUSHLESS AC AXIAL FAN



AR

SERIES

Φ254*89 mm

- Motor: Induction Capacitor motor.
- Frame & Imeller:Al Die-casting & PBT plastic.
- Storage temperature:-40℃ to +75℃
- Operating temperature:-10℃ to +70℃(B) / +60℃(S).

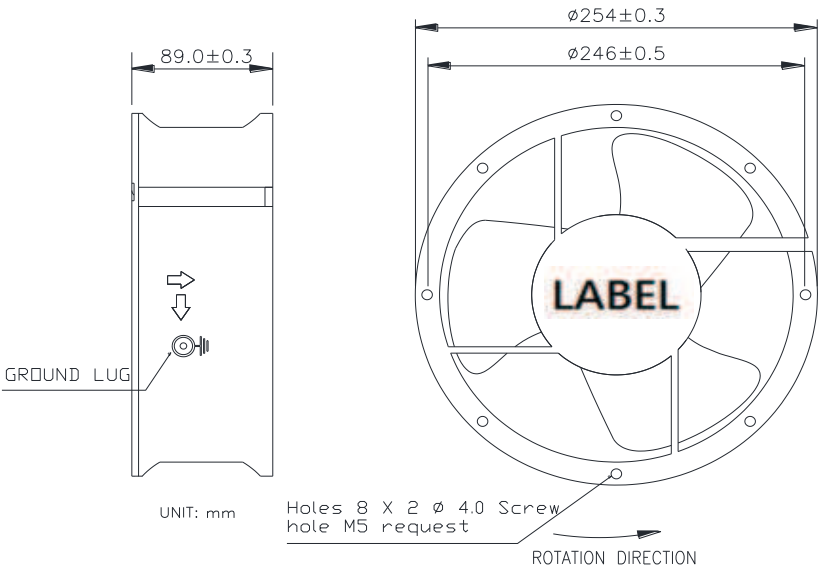
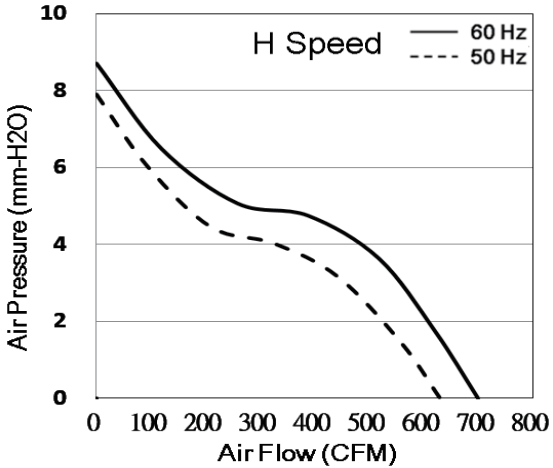
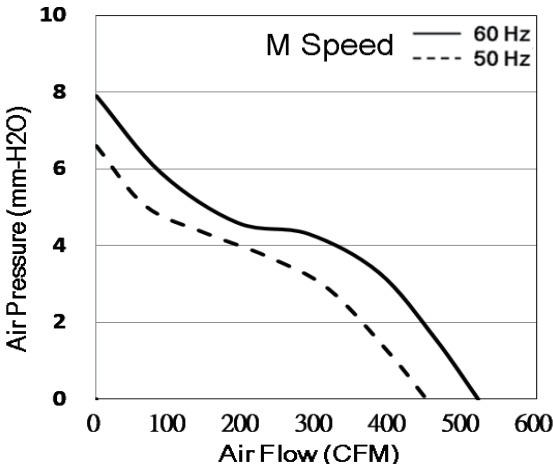
Major Characteristic Parameters

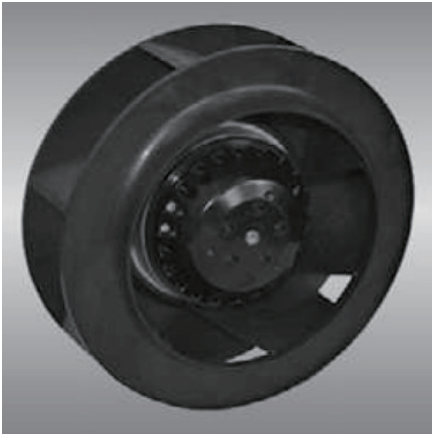
Model	Bearing System	Rated Voltage	Freq.	Input Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level	Weight
Part NO.	B / S	V	Hz	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBA	KG
AR25489-V1M	B	110	50/60	34/37	1400/1600	12.74/14.72	450/520	6.6/7.9	0.26/0.31	49/51	2.00
AR25489-V2M	B	230	50/60	34/37	1400/1600	12.74/14.72	450/520	6.6/7.9	0.26/0.31	49/51	2.00
AR25489-V1H	B	110	50/60	60/67	2000/2150	17.84/19.82	630/700	7.9/8.7	0.31/0.34	54/56	2.00
AR25489-V2H	B	230	50/60	60/67	2000/2150	17.84/19.82	630/700	7.9/8.7	0.31/0.34	54/56	2.00

* All reading are typical values at rated voltage

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing S: Sleeve Bearing





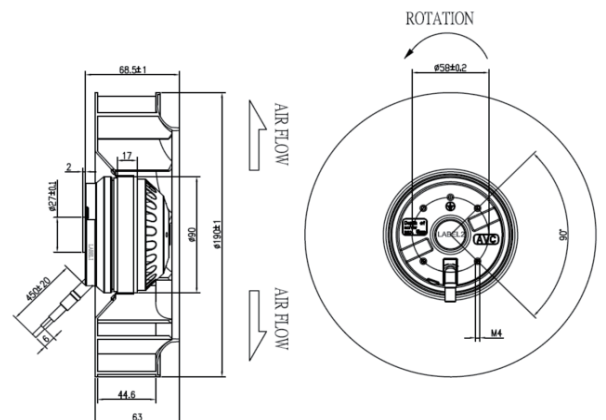
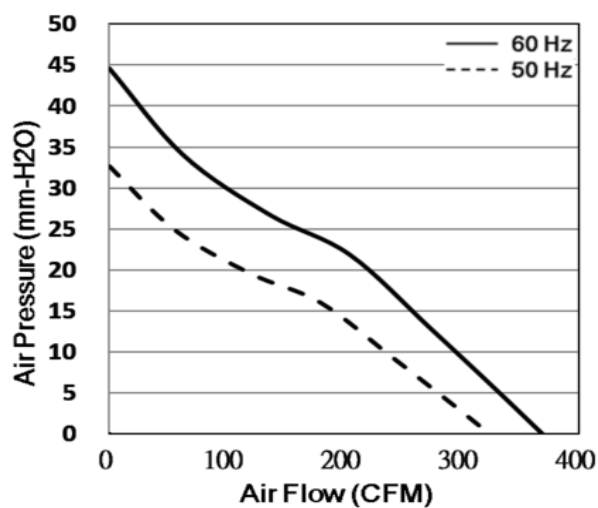
B5 SERIES $\Phi 190 \times 68$ mm

- Motor: Induction Capacitor motor.
- Frame & Impeller: Al Die-casting & PBT plastic.
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(S).

[illegible]

* Specifications are subject to change without notice

* Bearing system B: Two Ball Bearing S: Sleeve Bearing



EC Axial Fans



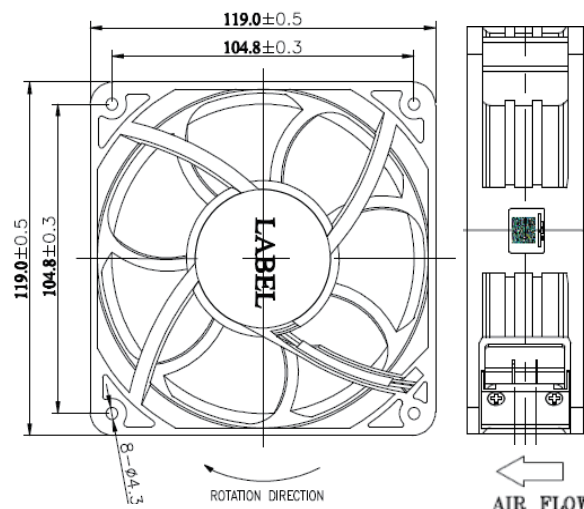
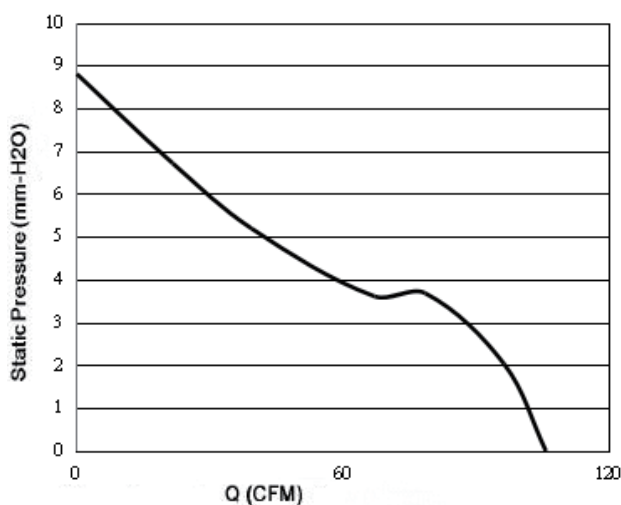


- Frame: Thermoplastic PBT +30%GF(UL94V-0).
- Impeller: Thermoplastic PBT +15%GF(UL94V-0).
- Storage temperature: -40°C to +75°C
- Operating temperature: -10°C to +70°C(B) / +60°C(R/S).

Major Characteristic Parameters

Model	Bearing System	Rated Voltage	Operating Voltage Range	Rated Current	Rated Power	Rated Speed	Maximum Air Flow		Maximum Static Pressure		Sound Level
Part NO.	B / R / S	V	V	A	Watt	RPM	m³/min	CFM	mm-H₂O	In-H₂O	dBa
ECDA1238BBH	B	220V	90~230	0.2	5	2950	3.01	106.18	8.83	0.35	42.0
(Mark " * " may be researched to be the new current balance or speed rank or the more fit of part number needed if there is the optimal one in future.)											

* Weight : 300g





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