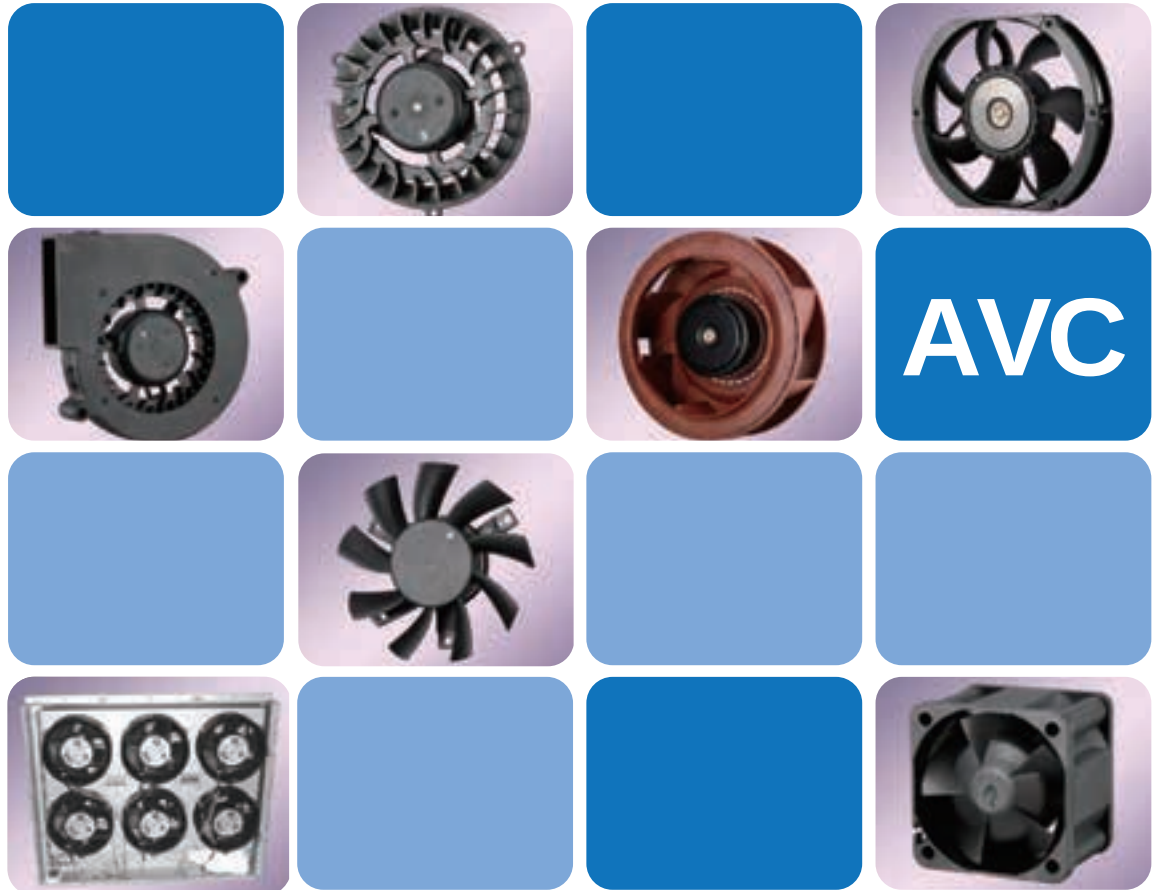


AVC Fan



Asia Vital Components Co.,Ltd.
www.avc.com.tw



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Total Thermal Solution Provider



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Company Profile: AVC

Total Thermal Solution Provider



Asia Vital Components Co., LTD (Taiwan listed company since 2002: TSE: 3017) is the leading Total Thermal Solution Provider in the world. AVC was established in 1991 with headquarter in Taiwan. Its revenue in 2011 was \$800 million US dollars with over 12,000 employees and over 600 RD engineers. Its RD centers are located in Taipei, Shenzhen, Beijing and Shanghai and manufacturing facilities are located in Shenzhen, Shanghai, Dongguan and Chengdu in China. AVC also has the worldwide FAE and hub supports in USA, Canada, Europe, Mexico, South America, Australia, Japan, Korea, and China.

AVC Mission Statement

Provide long term value to Customer Satisfaction and Success through Innovation, Accountability, Teamwork and Continuous Improvement.

AVC Products

AVC designs and manufactures the wide spectrum of thermal solution products in the areas of Telecommunication (core network system, wireless base station, PBX); Network (switches, routers, LANS, set top boxes); Server and Storage; Instrumentation (medical equipments, industrial test equipment, power suppliers); Automotive and Train. Energy, LED application; Consumer Electronics and Personal Computing Application (desktops, laptops, printers and console video game systems). Product lines include DC Fan, AC Fan, Fan Tray, Heat Sink, Heat Pipe, Heat Plate, Vapor Chamber, CPU cooler, VGA cooler, Notebook Thermal module, Liquid Cooling System, LED Thermal Solution, Chassis, and Cabinet.

AVC Global Support

AVC has 14 branch offices and 48 global logistic hubs in the world. Our worldwide network of sales and FAE teams are available for customers in Asia, North America, South America, and Europe.

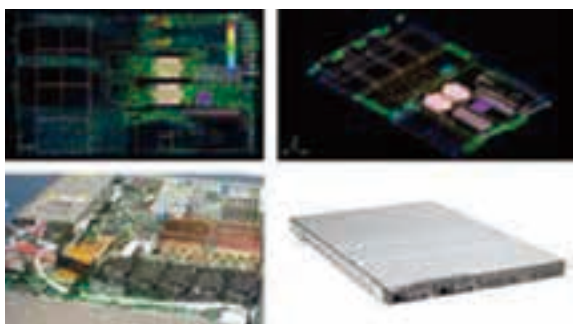


AVC New Chengdu Factory Will Mass Production On 2012 Q4.



Total Thermal Solution

AVC provides customers with comprehensive total thermal solutions by carrying out co-design with customers. AVC is also capable of providing thermal simulation and in-house integration capability.



Extensive R&D Commitment

AVC products are full of innovation. Integrate engineering expertise with sophisticated simulation software and test equipments together enable AVC to develop high performance, low noise and cost effective products.. The advanced software can simulate the fan airflow, bearing balancing, heat sink and complete system thermal design. AVC Lab is ISO17025 certified, with the ability to provide the component, board and system level tests; such as reliability, performance, structure, chemical, acoustic, RoHS, and HALT (High Acceleration Life Test). The lab equipments include wind tunnel, anechoic chamber, heat and humidity chamber and atomic spectrometer. AVC has more than 2,000 patents worldwide and more than 600 RDs including Thermal Engineers, Fan Engineers, Mechanical and Chassis Engineers, and DQE engineers.

Development Process Control and DFM

AVC drives straight product development process control using in-house developed PDP (Product Development Procedure) system. AVC can monitor the schedule of the product development and can achieve DFM (Design for manufacture) to meet the time-to-market requirements.



Research and Development

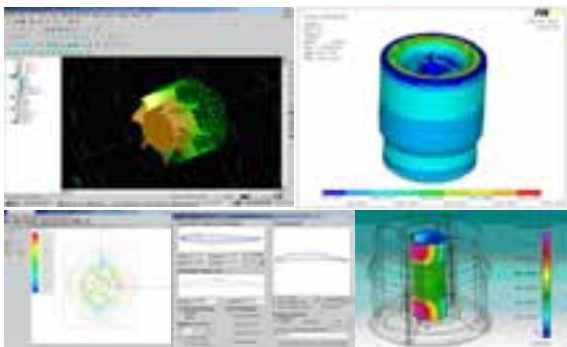
Thermal Design Simulation Capability

Fan Design

AVC uses STAR-LT, CFD-RC, ANSOFT (Motor Design Package), Axial Flow Fan Design (Developed by AVC), and Axial and Centrifugal fan design programs to conduct fan design and simulation.

Thermal Design

AVC uses CFDESIGN, ICEPak, Flotherm, EFD, PRO/E, Solid Works, AutoCAD, and Heat Exchanger Design programs to conduct thermal design and simulation.



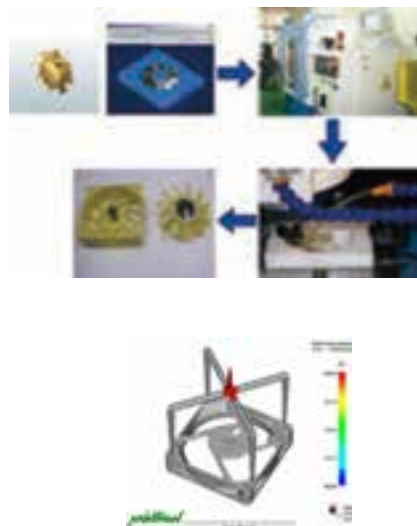
Design Quality Engineering

AVC can provide component, board and system level tests in the design stage with ISO17025 certified Labs. In Performance Lab, AVC conducts Sound Power, Sound Pressure, Sound Quality, Wind Tunnel, and Heat Transfer tests. In Measuring Lab, AVC has several sophisticated CMM (Coordinate Measuring Machine) instruments. In the Reliability Lab, AVC has precision Temperature & Humidity Facility, Thermal Shock, Auto Monitor Life Test, Salt Spray, Dust Proof, and Water Proof chambers. Full RoHS tests can be conducted using XRF, ICP-OES 2000DV, UV-Vis, Gas Chromatography and Mass Spectrometer. Especially HALT (High Acceleration Life Test) can reduce the engineering development cycle time.



Mockup Center

AVC has a dedicated in-house Mock Up Center with 25 sets of sophisticated CNC machines to work on prototype engineering samples with short development cycle.



Tooling and Fixture Center

AVC has Sheet Metal and Plastics tooling capabilities as well. With over 200 tooling engineers and simulation software experience, AVC can design and make the tools in a shorter period of time to meet customer's mass production schedule. In addition, AVC Fixture Center can design and work out the fixture to increase productivity and yield rate.



Enterprise Resource Planning System (ERP)

AVC has built up a customized ERP System to ensure on-time delivery and shipment traceability to customers. By collecting customers' forecasts and purchase orders, AVC can harmonize the internal resources and processes to achieve effective production and logistics control. In addition, combined with ten years of hub management experience, AVC can provide Hub Delivery Management by customers' requirement.



Manufacturing Management System (MMS)

AVC's in-house MMS also helps to manage factory operation and production process. Manufacturing Data Analysis System (MDAS) is used to monitor daily cycle time, yield rate and productivity for each production line. Shop Flow Control System is tracking all the material, work order and shipment status. Tooling Control System is used to monitor tooling usage and life status while Equipment Maintenance System is monitoring the maintenance status of all manufacturing devices and equipments. As human resource is also a key to the operation and overall quality, Employee Capability Certified System can keep the historical information of training and certification of all employees.



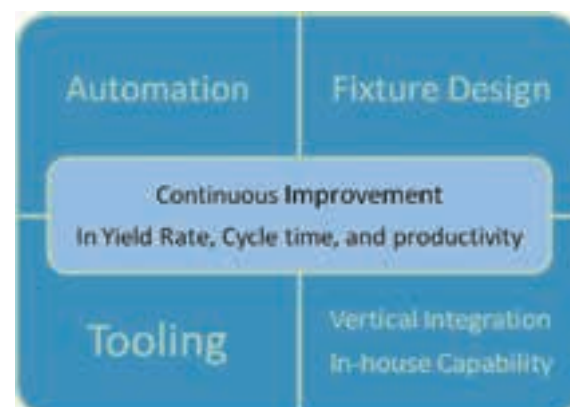
Supplier Chain Management System (SCM)

AVC Supplier Chain Management is driven through in-house developed Supplier Service Network (SSN) platform. AVC and suppliers exchange all EC, engineer drawings, GP requirements, part approvals, production schedules, material requests, supplier delivery commitments, P/O releases, vendor hub information and etc through SSN.



Continuous Production Improvement

AVC focuses on Design for Manufacturing (DFM) in design stage. During mass production, the continuous improvement in Yield Rate, Cycle Time and Productivity are achieved through Automation, Tooling, Fixture design, and in-house Vertical Integration.



Quality and Six Sigma

Quality Assurance System

AVC ensures the design, the services, and the manufacturing process quality via the well-functioned Quality Assurance System in every aspect. Our systems are certified by many standards including ISO9001, ISO14001, OHSAS18001, S8000, ANSI/ESD S20.20, QC080000, TS-16949, and etc.



Statistical Quality Control

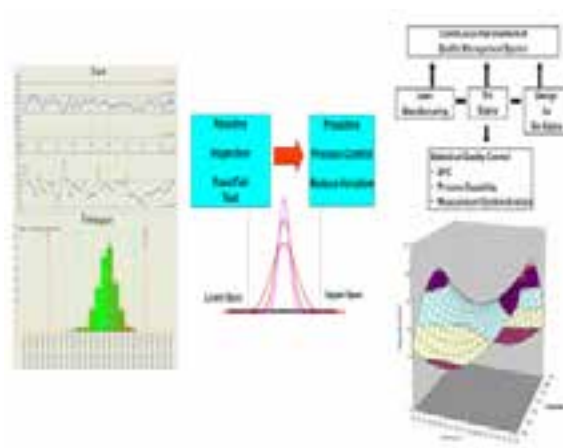
AVC deploys extensive statistical quality control tools in Supplier, Incoming, and Manufacturing Quality Controls. One hundred percent employees in AVC go through



mandatory statistical quality control trainings. During the product development phase, the CTQ (critical to quality) parameters are identified. The Stability and Capability of these parameters are monitored using SPC and CPK analysis. AVC continuously drives proactive quality control by reducing the variation of critical parameters in the manufacturing process control, rather than only inspection to screen out bad products.

Lean Six Sigma and DFSS

AVC has been driving Lean Manufacturing, Six Sigma, and Design for Six Sigma (DFSS) rigorously. Every organization in AVC runs Six Sigma projects for continuous improvement on system and process. AVC is always trying to reduce the variation of critical parameters in the manufacturing process control, rather than just screening out the defects by inspection.



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 I2C, 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

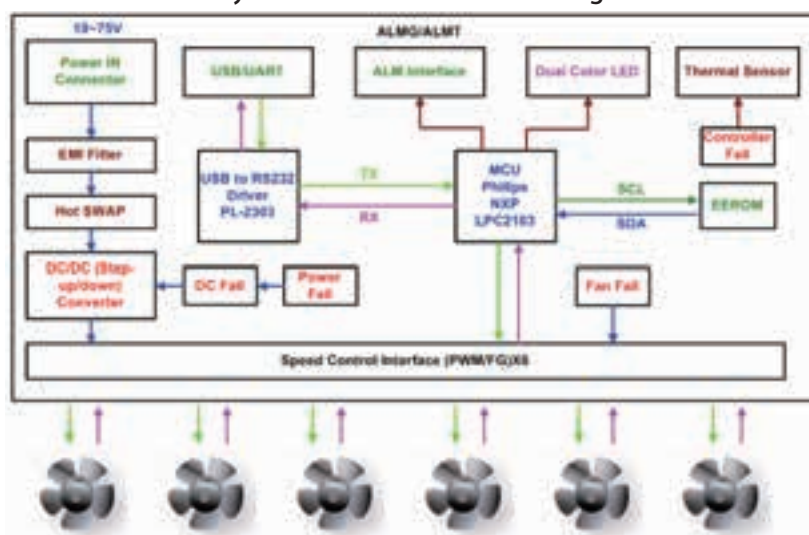
Features:

- 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: I2C/RS232/RS485...etc
- Custom design is accepted (ODM & OEM Design)



Fan Tray Technology

Fan tray control board unit block diagram



Control Functions:

Description	Parameter	Server	Fixed Access	Telecom 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	I2C	•			•
	RS232		•	•	•
	RS485		•	•	•
Remote initial program load	I2C	•	•	•	•
	RS485	•	•	•	•

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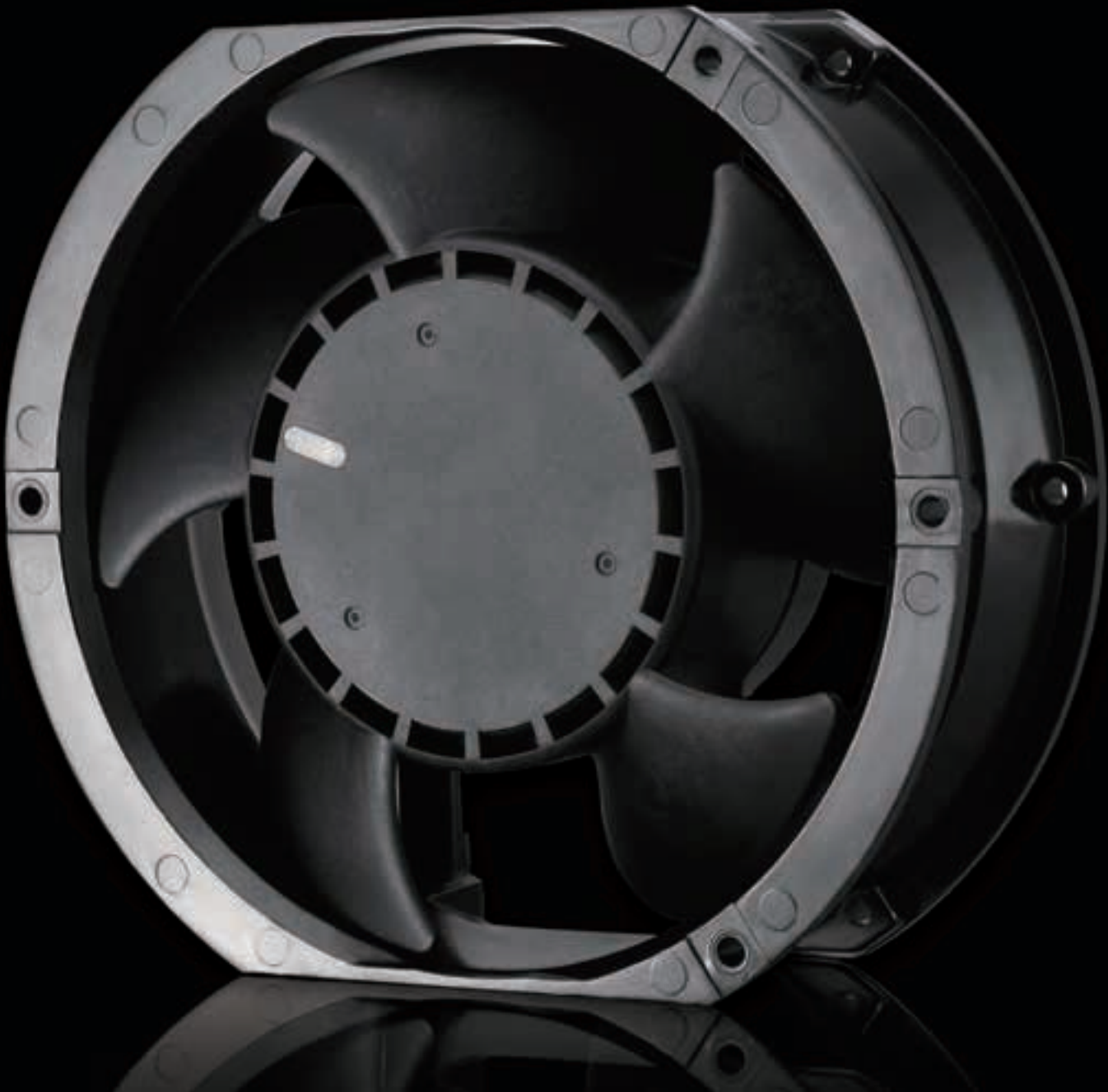
Company profile

Information

DC axial fans

DC blower fans

AC fans



With the advance of modern technology, it may not be a surprise to observe that there is an apparent trend of packing more performance into a smaller footprint in all products across the industries. At the same time, this has a side effect of increasing power density within the products, and led to an increasing demand for fan cooling capacity and efficiency. There is a constant pressure of delivering fans with higher performance and efficiency to ensure the components run at their most optimum and provide undisturbed operation. With more than 300 highly skilled engineers in multiple disciplines, AVC is perfectly positioned to meet this challenge.

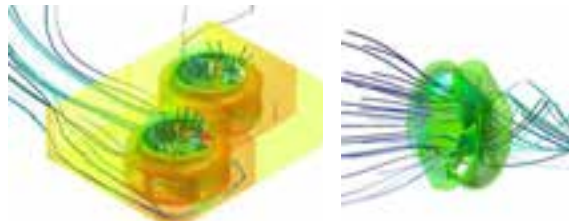
1.1. Motor – powerful drive for less

Motor converts electric energy into kinetic energy. In compact fan application, in particular in the electronics cooling industry, DC brushless motor has become the mainstream choice of power drive. Unlike the traditional motor, brushless motor does not have contact brush which means this form of motor design is maintenance free and has virtually no wear and tear. Moreover, it has the additional advantages of high efficiency, low noise and ease of control. DC brushless motor is typically mounted inside the impeller, so it is largely isolated from the potential hazardous working environment and yields no external protrusion which makes overall fan size compact.

1.2. Aerodynamics – elegance at work

Aerodynamic design has a direct impact on fan performance in terms of flow volume and pressure delivery. It is so subtle that any small aerodynamic design detail change could have a significant influence in the fan output. At AVC, fan aerodynamics is designed, tested and optimised using a combination of analytical, computational and empirical approaches. In-house developed

analytical design software is first used to produce a basic aerodynamic design, before it is further optimised by using Computational Fluid Dynamics (CFD) analyses and experiments. Commercial CFD packages are available to carry out computer simulations at standalone fan as well as system level. CFD offers a cost effective way to calculate the flow field inside and around the fan. It is particularly useful when used to evaluate interactions between components and its effect in a thermal system.



1.3. Acoustics – quietness by scientific excellence

Depends on the fan speed, the main contributor to fan noise can be either aerodynamic related or motor/electronics related. Typical sources of the aerodynamic noise include turbulence from impeller and interactions between rotating and static components. Motor/electronics related noise is commonly found at low fan speed, and it is of particular significance in the consumer electronics market. In order to produce an acoustically optimised fan, inter-disciplinary expertises as well as appropriate facility are essential to analyse and optimise acoustics in a scientific way. Fan acoustic measurements are taken in a specialised semi-anechoic chamber, where the roof and walls are covered with sound absorbing material. AVC in-house test facility has background noise level sufficiently low enough to measure any quiet devices of interest.

Traditionally, sound pressure is the parameter used by fan

industry to compare fan “noise”. However, sound pressure gives little information about how human ears truly react to sound and this parameter has become increasingly inadequate for the thermal management market. The extensive facility at AVC provides much more information than just sound pressure measurement.

- Binaural recording using dummy head and the subsequent advanced analyses are capable to provide more insight about the sound quality.

- Multiple microphones arranged in hemispherical array are used to measure sound power from a device. These acoustic data forms the valuable resources when optimizing fan acoustics.



1.4. Electronics – intelligent and sophisticated

For DC brushless motor, the current in the motor winding coil change direction constantly according to the relative position of the stator and rotor. Fan electronics is the brain that determines the relative position aforementioned and controls the current switching time accordingly, so it plays a crucial role in keeping the motor running.

Fan electronics also provides a number of other advanced functions such as fan speed control, outputting fan speed information and fail-safe designs such as over-current protection.

For certain applications, fans are required to have a specific level of electro-magnetic capability (EMC) to guarantee

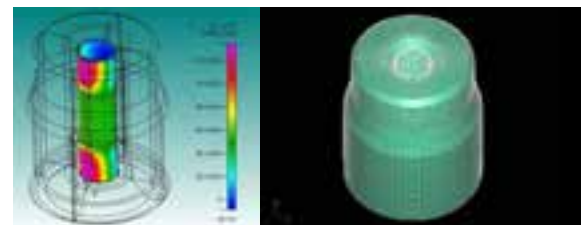
fan operation as well as not affecting other components in user systems. This is an application specific problem, and our engineers are fully equipped and experienced to work with our customers for EMC optimised solutions.

1.5. Bearing Systems – dependable workhorse

There are two types of bearing system used in AVC fan products: ball bearing and advanced hydraulic bearing.

Ball Bearing

Ball bearings are normally installed in pair and spring loaded in the axial direction. Ball bearing is the traditional choice for high performance fans that require long life expectancy. Metallic balls are sandwiched between two races with side plates in place to prevent lubricant leakage and protect it from the environment.



Advanced Hydraulic Bearing

AVC proprietary Advanced Hydraulic Bearing (AHB) consists of a polished steel shaft, a sintered bearing and fluid lubricant. There is no contact between shaft and bearing, and the bearing load is carried solely by a film of fluid lubricant. AHB is suitable for fans that operate at lower speed. Compare to ball bearing, AHB runs quieter, costs less and is less sensitive to shock and vibration.

1.6. Fan Construction – stand up against the extremes

Most of AVC fans are made from glass-fibre reinforced plastic. The plastic used has fire retardant added and is UL 94V-0 approved. Plastic is light, cost effective, and suitable for mass production. Moreover, plastic parts can be easily made into complicated 3D shapes, which is useful for parts such as impeller to produce the best aerodynamic performance. The housing of larger fans may be made from Aluminium, and for the very large radial fans (310+cm), the impellers are also made from aluminium.

1.7. Product Compliance – safety in mind

All AVC fans are designed to meet product compliances from a number of international organisations such as UL, CSA, CE, TUV, VDE and CCC. Users are reminded to ensure fans are installed and operated in accordance with the appropriate safety codes.

1.8. Life and Reliability – robust design

The quality and reliability of AVC fan products are tested by carrying a number of tests such as high/low temperature running, thermal/mechanical shock, thermal cycling and vibration. Facilities for further testing such as water and corrosion resistance are available at requested.

Fan life expectancy is evaluated using zero failure Weibull test strategy together with accelerated testing technique. This approach was chosen to obtain life expectancy with sufficient confidence in a sensible time-frame that is acceptable to both the fan vendor and end users. During the endurance test, fans run continuously at an elevated temperature, sometimes higher than their recommended operating range, to accelerate the aging effect under controlled conditions. Statistical method is then used to

evaluate the life expectancy. A fan is classified as failure if any one of its key performance parameters, for example fan speed and sound pressure, is out of specification.

1.9. Rapid Prototyping – shortened development time

AVC is well aware that fast turn around time is critical to the success of our client development programs. Our R&D team has in-house facility and workshop to produce prototypes quickly for customers. This helps to resolve problems early in the development and, more importantly, reduces the number of iterations and development time.

1.10. Manufacturing – mass production at your fingertips

AVC is proud to have the manufacturing capability that can produce millions of fans a month. Apart from supplying fans with the highest performance, quality and efficiency, AVC is also a keen participant in the “Green” initiative, striving for products that have the minimum impact on the environment. All AVC fan products conform to the European directive on the restriction of the use of hazardous substances in electrical and electronic equipments (ROHS). 100% Halogen free products are also available at request.

2.1. Axial Fan

Axial fans are suitable for applications where large flow volume at medium system back pressure is required. The exit flow field is close to parallel to the fan rotating axis.

There are several axial fan families in the AVC product range that offer enhanced fan performance for every demanding application.

DA series – Single impeller.

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



DB fan series – Integrated stator airfoil blade

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



DC series – Power saving fan

Efficient fans designed to have the minimum power consumption.



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.



DV fan series – Overlapping impeller

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



2.2. Radial Fans

Radial fans are good for applications with high back pressure and low flow volume. Flow is turned 90°C inside the fan. Radial fan can be used with or without an enclosure. The enclosure is used 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



Fan Selection & Installation

installation.

There is not a single method for fan selection that is suitable for all applications. It is the careful balance between different and often contradicting considerations that leads to an optimum solution. Below are a few common design considerations when selecting a fan.

- * Minimise power consumption
- * Minimise acoustic noise
- * Maximise service life and reliability
- * Minimise total life cycle costs

Step 1 – Estimation of overall cooling air flow requirement

The prime function of a cooling fan is moving sufficient air to transport unwanted heat energy to the ambient. The amount of energy that air can carry away, i.e. the air cooling capacity, is a function of the air temperature rise between the inlet and exhaust of a system.

Large air temperature rise gives high cooling capacity, however, this also means the system and the individual heat dissipating components would be operating at a higher temperature, especially near the system exhaust. High operating temperature could affect life and performance of a system. Design engineers have to first decide the desired operating conditions for the system concerned and the resultant permissible air temperature rise. Once these two factors are decided, the cooling air flow requirement can then be determined.

Using the concept of conservation of energy, the transport of heat to moving air is given by

$$H = \dot{m} C_p \Delta T$$

Where

H = overall heat dissipation, W

$\dot{m}$ = mass flow of the moving air, kg/s

C_p = air specific heat capacity, J/kg.K (for dry air at 20°C, $C_p \approx 1000$ J/kg.K)

ΔT = cooling air temperature rise between inlet and exhaust, K

Rearranging the equation for fan selection in CFM

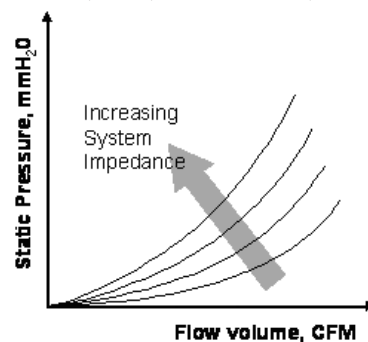
$$Q = 1.76 \times \frac{H}{\Delta T}$$

Where Q = cooling air flow requirement, CFM

Step 2 – System impedance estimation

After the air flow requirement is determined, the design engineers have to estimate the resistance cooling air flow needs to overcome inside the system. This is normally

achieved by computational simulation, experiment or even simple analytical calculation. The result (system characteristic) is typically presented as system impedance



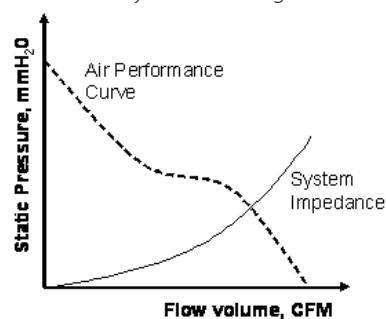
curves as shown in Figure 1.

Figure 1 System characteristic in the form of system impedance curves.

Step 3 – Selecting a suitable fan

The fan air performance curves given in this catalogue show the boundary of the possible flow delivery at different static pressure. By overlaying the system impedance curve with the air performance data of a selected fan, the fan operating point can be deduced from the intersect of the two lines as shown in Figure 2. In general, a fan is suitable if the intersecting point lies on the rising portion of the fan air performance curve.

If the system impedance characteristics discussed in Step 2 is not available, it is recommended to select a fan with the maximum flow delivery 20 to 30% higher than the cooling



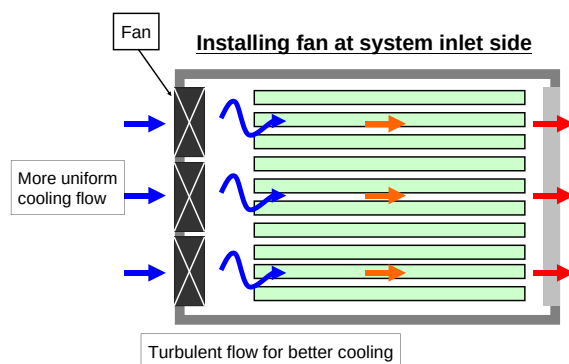
air flow requirement discussed in Step 1.

Figure 2 Matching the fan air performance to system impedance in order to determine the operating point (i.e. intersect of the two curves)

Fans can be installed either at the inlet side or the outlet side of a passive thermal component or a thermal system. Under ideal conditions, the overall air delivery follows the system characteristic curve and there is no difference where the fan is installed. However, in practice, there are advantages and disadvantages in each of the approaches and user can decide what is best for their application.

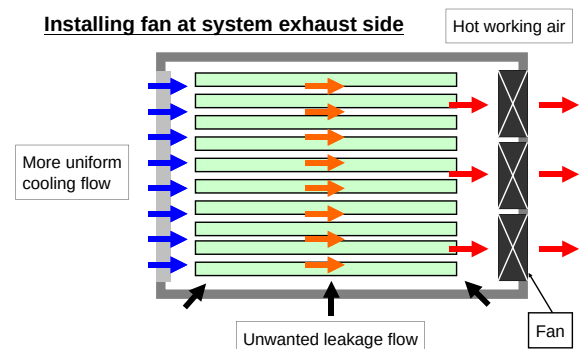
4.1. Advantages of installing fans at the inlet side

- Improve overall cooling capacity due to unsteady flow field downstream of fan.
- Longer fan life because of the lower inlet air temperature.
- The whole system is pressurised and this helps to stop inhaling dust and dirt from unwanted cracks and openings.



4.2. Advantages of installing fan at the exhaust side

- Reduce the influence of low velocity, re-circulating zone immediately downstream of fan.
- Better air flow control by careful selection of inlet opening locations.
- Lower fan acoustics as exhaust openings are typically positioned away from users.
- In general, distance of at least one fan depth should be allowed between fan and its adjacent components to minimise interference and undesirable losses.



Options for Customisation

AVC offers a wide range of options to enhance the functionality of standard products in order to fulfil specialised requirements for different applications. Our experienced engineers are ready to discuss and assist you to find the best solution for your application.

5.1. Input Voltage

Recommended input voltage range is specified for each fan model in this catalogue. Fan electronics can be customised should your application requires the fan to operate under a wider input voltage range.

5.2. Fan Speed Control

Fan speed can be fully controlled by system or self-adjusted according to certain characteristic inputs.

Input voltage

This is the simplest form of fan speed control. Fan speed is controlled by varying input voltage within the recommended input voltage range. Please note that there is a minimum input voltage requirement at fan's start-up.

Control interfaces

Voltage and PWM signals are the most common type of connection to control fan speed. PWM signal control circuit can be implemented easily in system and this form of control signal has become the main choice of control interface in the industry.

More advanced systems may utilise a serial data line using a pre-defined communication protocol.

Temperature control

For acoustic orientated applications, it may be ideal to have a fan that has self adjusting speed function according to temperature measurement from an onboard NTC thermistor or an external signal. This allows the fans to run at the lowest speed setting according to the local cooling demand and results lower noise level and power consumption during system operation.

5.3. Fan Signal Output

Rotation Detector Signal – Alarm signal

This is the simple "Go"/"No-Go" fan signal output to alert the system if the fan is not functioning.

"Tacho" Signal

If constant monitoring of fan speed is required, built in sensor can be requested to output electronic signal for system use.

5.4. Environmental Protection

A large number of our fans have been shipped to work in extreme operating environments that include dusty condition, high temperature, high humidity, and corrosive environment. Although a complete design change may not be necessary, additional treatments on bearing, motor and electronic components may be required to ensure undisturbed fan operation under these conditions. The treatment can be a fully encapsulated stator/electronic assembly or a conformal coating over the electronic components.

Salt fog tests in accordance to a few international standards are used to evaluate the corrosion resistance capability. For dust and water protection, fans are tested to different levels of the International Protection Rating (IP Code) as required. The highest protection class currently on offer is IP55.

6. Performance Measurements

6.1. Air Flow Measurements

Fan aerodynamic performance is tested in one of our in-house wind tunnels which are capable of measuring air flow up to 3000cfm. The test facility and analysis used follow the industry standard, AMCA 210-99. Test fans are installed at the upstream side of the wind-tunnel with free-air inlet and outlet (AMCA 210-99, installation type A). The PQ curves shown in this catalogue were measured at nominal input voltage.

6.2. Acoustics Measurements

Acoustic measurements are taken in an anechoic chamber in accordance to ISO 7779, 3744 and 3745. For the sound pressure level presented in this catalogue, microphone is positioned one meter from fan inlet at free-air delivery.

7. Part No.

AVC part number for ordering.

Signal

RD - Rotation detector signal output
FG - Fan speed "tacho" signal output

Rated Voltage

This is the nominal input voltage used to measure the airflow performance, acoustic and power consumption data provided in this catalogue. Fans can be operated outside this rated voltage, see "Operating Voltage Range" below. [Unit: Volt, V]

Operating Voltage Range

The recommended operating input voltage range. [Unit: Volt, V]

Rated current

Fan electric current at rated voltage and free-air delivery. [Unit: Ampere, A]

Rated Input Power

Fan power consumption at rated voltage and free-air delivery. [Unit: Watt, W]

Speed

Nominal fan speed measured at rated voltage and free-air delivery. [Unit: revolution per minute, RPM]

Maximum air flow

Air flow volume measured at free-air delivery (zero static pressure). [Unit: cubic meter per minute and cubic feet per minute, m³/min and CFM]

Maximum air pressure

Fan static pressure measured at zero air flow delivery. [Unit: mm and inch height of water head, mmH₂O and inch H₂O]

Acoustic Noise

A-weighted sound pressure level measured one meter from fan inlet at rated voltage and free-air delivery in an anechoic chamber. [Unit: dB(A)]

Bearing Type

Bearing system available for selection.
B - 2 Ball Bearings
R - Advanced hydraulic bearing

Fan air performance curve

The air performance curves were measured in accordance with AMCA 210-99, test details are discussed in more detail above, under the heading "Air Flow Measurement".

Mounting panel cut-out

The drawings illustrate the recommended inlet and exhaust cut-outs on the fan mounting panel. Recommended positions of the fastener hole are also included.

8. Unit Conversion

Flow volume

1 cfm = 1.7 m³/h

1 cfm = 0.02832 m³/min

Pressure

1 mmH₂O = 9.81Pa

1 inchH₂O = 249Pa

Product nominal data

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

Product classification

The section indicates the power input (DC or AC), basic fan design (axial or blower), fan dimensions and product family (DA, DB, DC, DF and DV for axial fan; BA and BN for blowers)

Product description

General product information such as construction material, lead wire rating, number of impeller blades, impeller rotating direction and product weight.



DC AXIAL FANS

DV SERIES
80×80×38 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 190g (6.1 OZ)

Performance curves

The chart illustrates the fan performance at rated voltage. Details of the test set-up is discussed in Section "Definitions".

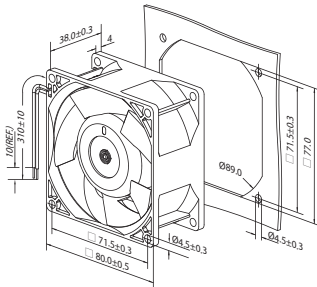
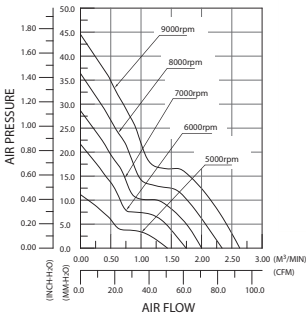
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DV08038_48E	-FG / RD	B	48	43.2 to 52.8	0.09	4.32	5000	1.44	50.75	15.60	0.61	44.8	130000
DV08038_48L	-FG / RD	B	48	43.2 to 52.8	0.12	5.76	6000	1.74	61.61	21.65	0.85	49.4	130000
DV08038_48M	-FG / RD	B	48	43.2 to 52.8	0.18	8.64	7000	2.00	70.70	28.63	1.13	53.2	130000
DV08038_48H	-FG / RD	B	48	43.2 to 52.8	0.28	12.0	8000	2.34	82.62	36.39	1.43	57.2	110000
DV08038_48U	-FG / RD	B	48	43.2 to 52.8	0.33	15.8	9000	2.63	92.92	44.53	1.75	59.3	110000

Available Options

The icons indicate the optional features available for the product. Options may not be available to all voltage and fan speed. Restrictions applied, see page 28.

Product graphical illustration

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 0720 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
C : Cross Fan

II FAN TYPE

A : General Fan B : Double Fan C : Low Power Fan
E : Low Noise Fan F : Turbo Fan H : AC FAN
L : Low Cost N : Dish Fan R : Hang-type Fan
T : Tornado Fan V : Overlap Fan Y : Pterodactyl Fan
2 : ACFAN Circle ... Metal Impeller
3 : ACFAN Ellipse ... Metal Impeller
4 : ACFAN Square ... Metal Impeller
5 : ACFAN Circle ... Plastic Impeller
6 : ACFAN Ellipse ... Plastic Impeller
7 : ACFAN Square ... Plastic Impeller
K : KH , S : SZ , D : Datech (* K . S . D For Old)

III FAN GENERATION

Define it from "A" to "Z"

IV DIMENSION

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

V THICKNESS

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

VI BEARING TYPE

A : One Ball Bearing
B : Two Ball Bearing
C : Ceramic
G : Air 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 D : Dual Voltage

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
3 : ACFAN Impeller 3 Blades T : Temperatures Switch Protection
5 : ACFAN Impeller 5 Blades etc ...

X SIGNAL OUTPUT

N : NA (No Signal Output)
F : FG (Frequency Generator or Tach Output)
R : RD (Rotation Detector) (* OEM 已用 S)
V : ACFAN 外轉子內繞式 W : ACFAN 外轉子外繞式
X : ACFAN 內轉子內繞式 Y : ACFAN 內轉子外繞式
Z : ACFAN AC轉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
ROTATING DIRECTION (DC Blower)
C : Clockwise D : Counterclockwise
出線方式 (ACFAN)
W : PVC WIRE T : Connector

Optional Fan Features

The icons illustrated below are used in this catalogue to indicate the optional functions available for a particular fan. These optional functions may not available in combination and at all voltages and speeds.



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.



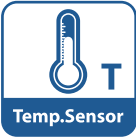
RD (Rotation Detector) Signal (RD)

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.

DC Axial Fans

■ Axial Fans for DC Operations

24

■ DC Axial Fans List

27~105



Axial Fans for DC Operations

Overview Air Flow

Dimensions	Series	Air Flow															Page
			mm	CFM	0	10	20	30	40	50	60	70	80	90	100	200	
☐ 25 × 10	DASA2510	4.9															27
☐ 30 × 07	DATA0307	1.9															28
☐ 36 × 28	DB03628	19.8															29
☐ 38 × 20	F3820	3.255 - 10.9															30
☐ 38 × 28	DA3828	6.0 - 10.7															31
☐ 38 × 28	DB03828	9.4 - 20.8															32
☐ 38 × 28	DBTA0328	11.1 - 22.2															33
☐ 40 × 10	DAKA0410	5.4 - 10.4															34
☐ 40 × 10	DS04010	4.97 - 12.24															35
☐ 40 × 20	DAKA0420	11.8 - 24.2															36
☐ 40 × 20	DBTA0420	9.4 - 19.8															37
☐ 40 × 20	DS04020	5.5 - 15.9															38
☐ 40 × 28	DB04028	13.9 - 24.8															39
☐ 40 × 28	DBTA0428	12.3 - 26.6															40
☐ 40 × 28	DV04028	9.2 - 20.5															41
☐ 40 × 56	DF04056	26.1 - 32.4															42
☐ 40 × 56	DFTA0456	26.1 - 28.7															43
☐ 50 × 10	DS05010	6.5 - 16.5															44
☐ 50 × 15	DA05015	9.8 - 17.5															45
☐ 50 × 20	DS05020	9.3 - 21.4															46
☐ 60 × 10	DA06010	13.5 - 25.3															47
☐ 60 × 15	DA6015	14.6 - 26.7															48
☐ 60 × 15	DA06015	14.7 - 28.5															49
☐ 60 × 20	DS06020	10.8 - 39.3															50
☐ 60 × 25	DAKA0625	20.8 - 53.2															51
☐ 60 × 25	DS06025	10.9 - 38.9															52
☐ 60 × 25	DATB0625	23.3 - 52.1															53
☐ 60 × 25	DATB0625	23.3 - 52.1															54
☐ 60 × 38	DS06038	19.5 - 39.5															55
☐ 60 × 38	2B06038	45.8 - 72.4															56
☐ 60 × 56	DFTA0656	60.1 - 84.9															57
☐ 61 × 56	DFTA0676	75.5 - 84.9															58
☐ 70 × 15	DA07015	29.4 - 45.0															59
☐ 70 × 15	DS07015	22.0 - 44.0															60
☐ 70 × 15	DE07015	26.5 - 38.8															61
☐ 70 × 20	DA07020	38.2 - 54.3															62
☐ 70 × 20	DV07020	23.8 - 46.2															63
☐ 70 × 25	DY7025	50.4 - 52.3															64
☐ 70 × 25	DS07025	26.8 - 64.6															65
☐ 80 × 15	DS08015	23.9 - 49.35															66
☐ 80 × 20	DA08020	34.1 - 61.8															67
☐ 80 × 20	DS08020	36.0 - 59.8															68
☐ 80 × 25	DBTA0825	49.3 - 63.9															69
☐ 80 × 25	DL08025	23.7 - 54.5															70
☐ 80 × 25	DS08025	29.3 - 64.4															71
☐ 80 × 32	DASA0832	38.2 - 86.7															72
☐ 80 × 38	DATA0838	79.4 - 95.7															73
☐ 80 × 38	2B08038	55.8 - 129.5															74
☐ 80 × 38	2B08038	55.8 - 129.5															75
☐ 80 × 38	DYTB0838	115.2															76
☐ 92 × 25	DAKA0925	42.5 - 106.6															77
☐ 92 × 25	DL09225	37.9 - 70.8															78
☐ 92 × 25	DS09225	32.7 - 79.5															79
☐ 92 × 25	DYTB0925	73.7															80
☐ 92 × 38	DCTA0938	89.8 - 129.6															81



Company profile

Information

DC axial fans



AC fans

AVC

Axial Fans for DC Operation

Overview of technically feasible designs

Dimensions			UL, TUV, CE, CCC	AHB - Sleeve Bearings / Ball Bearings		FG Signal		RD Signal		External Temperature sensor		PWM Control input		Analogue Control input		Internal Temperature sensor		IP >= IP55		Salt fog protection		Page
																						
Axial Fans																						
Series	mm																					
DE07015	70 × 15	Yes	■																		61	
DA07020	70 × 20	Yes	■																		62	
DV07020	70 × 20	Yes	■																		63	
DY7025	70 × 25	Yes	■																		64	
DS07025	70 × 25	Yes	■																		65	
DS08015	80 × 15	Yes	■																		66	
DA08020	80 × 20	Yes	■																		67	
DS08020	80 × 20	Yes	■																		68	
DBTA0825	80 × 25	Yes	■																		69	
DL08025	80 × 25	Yes	■																		70	
DS08025	80 × 25	Yes	■																		71	
DASA0832	80 × 32	Yes	■																		72	
DATA0838	80 × 38	Yes	■																		73	
2B08038	80 × 38	Yes	■																		74	
2B08038	80 × 38	Yes	■																		75	
DYTB0838	80 × 38	Yes	■																		76	
DAKA0925	92 × 25	Yes	■																		77	
DL09225	92 × 25	Yes	■																		78	
DS09225	92 × 25	Yes	■																		79	
DYTB0925	92 × 25	Yes	■																		80	
DCTA0938	92 × 38	Yes	■																		81	
DESA0938	92 × 38	Yes	■																		82	
2B09238	92 × 38	Yes	■																		83	
2B09238	92 × 38	Yes	■																		84	
DATA1225	120 × 25	Yes	■																		85	
DATA1225	120 × 25	Yes	■																		86	
DBTA1225	120 × 25	Yes	■																		87	
DBTA1225	120 × 25	Yes	■																		88	
DS12025	120 × 25	Yes	■																		89	
DA12032	120 × 32	Yes	■																		90	
DATA1232	120 × 32	Yes	■																		91	
DAKA1238	120 × 38	Yes	■																		92	
DATA1238	120 × 38	Yes	■																		93	
DBTB1238	120 × 38	Yes	■																		94	
2B12038	120 × 38	Yes	■																		95	
DB12738	127 × 38	Yes	■																		96	
DB12738	127 × 38	Yes	■																		97	
DATA1338	130 × 38	Yes	■																		98	
DATA1338	130 × 38	Yes	■																		99	
DATA1525	150 × 25	Yes	■																		100	
DATA1525	150 × 25	Yes	■																		101	
DATA1551	150 × 51	Yes	■																		102	
DB15051	150 × 51	Yes	■																		103	
DA17251	172 × 51	Yes	■																		104	
DATA2070	200 × 70	Yes	■																		105	

– unavailable ■ Sleeve Bearings
• available ■ Ball Bearings

Please note that these special versions are not possible for all voltages and speeds, and not in all combinations.

The special versions are designed for specific customers and projects. As a rule they are not available off the shelf and are tied to minimum volumes.

Please consult your customer support representative about the feasibility of your special variant.



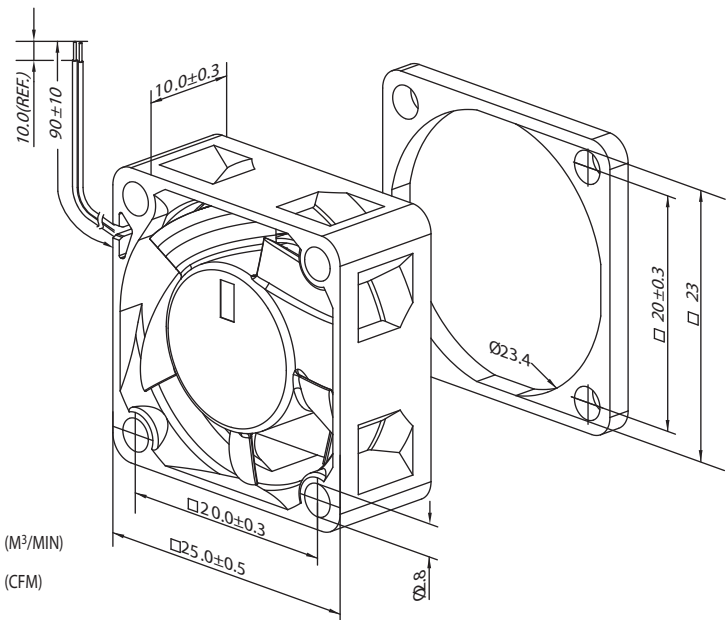
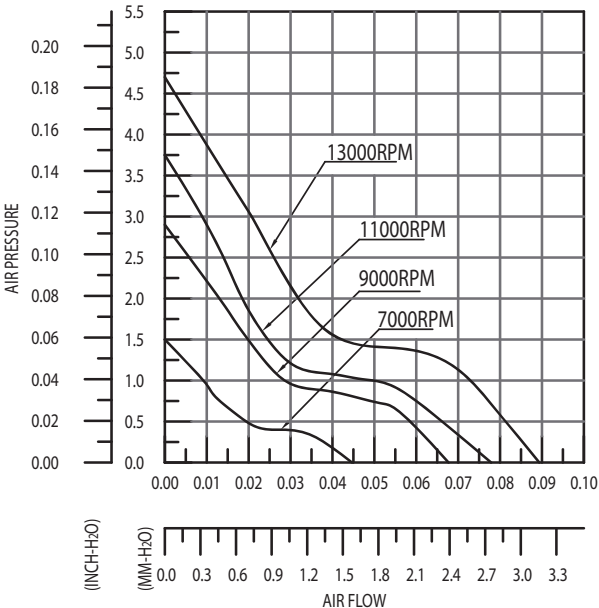
DC AXIAL FANS

DASA SERIES 25×25×10 mm 5v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 35g (1.23 OZ)

MODEL		Bearing Type		Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B	R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours

* DASA2510_5U	-FG/RD	B	R	5	3 to 5.5	0.25	1.25	13000	0.179	3.16	4.7	0.185	27.9	50000
DASA2510_5H	-FG/RD	B	R	5	3 to 5.5	0.13	0.65	11000	0.151	2.67	3.72	0.147	24.4	50000
DASA2510_5M	-FG/RD	B	R	5	3 to 5.5	0.10	0.5	9000	0.062	2.16	2.27	0.090	19.8	50000
DASA2510_5L	-FG/RD	B	R	5	3 to 5.5	0.04	0.2	7000	0.042	1.5	1.58	0.062	17.3	50000

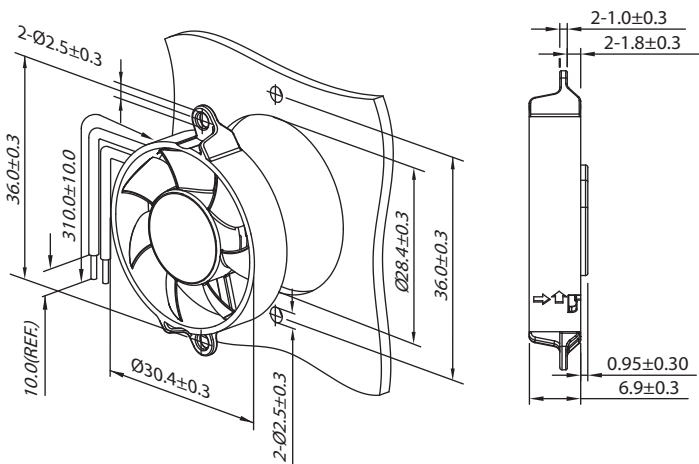
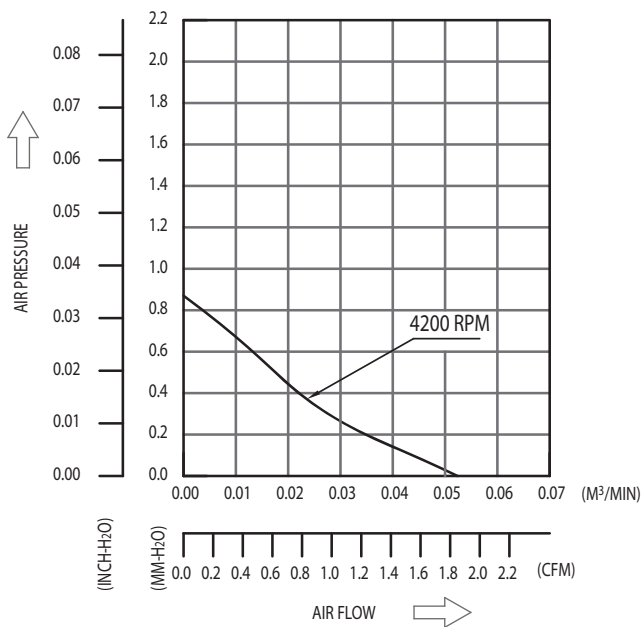


DC AXIAL FANS

DATA SERIES
Ø30×70 mm 5v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires : UL 3265 AWG #28 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 3.5g (0.11 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DATA0307R5H	-FG/RD	R	3.3	2.5 to 6.0	0.06	0.198	4200	0.052	1.85	0.87	0.034	18.6	70000





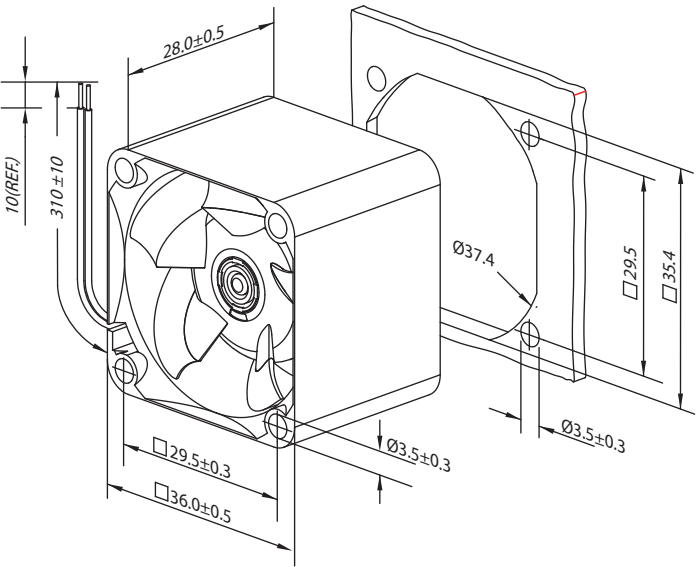
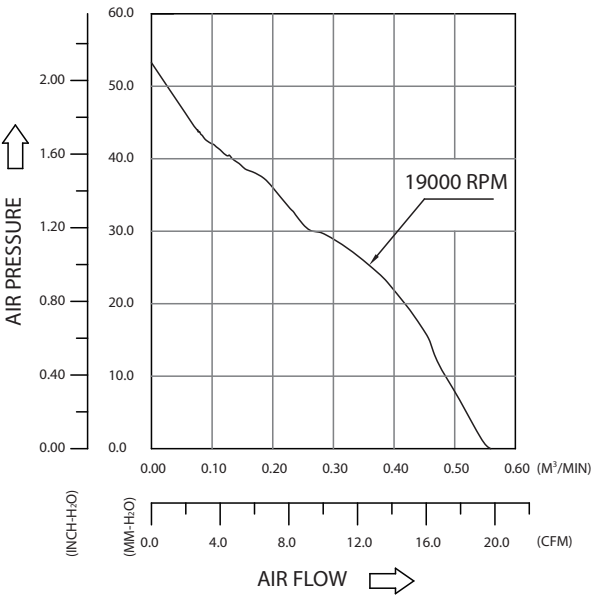
DC AXIAL FANS

DB SERIES 36×36×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 48g (1.69 OZ)

ASIA VITAL COMPONENTS CO., LTD. Six Sigma													
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours

DB03628_12S	-FG / RD	B	12	7.0 to 13.2	0.66	7.92	19000	0.560	19.75	53.25	2.096	58.0	110000
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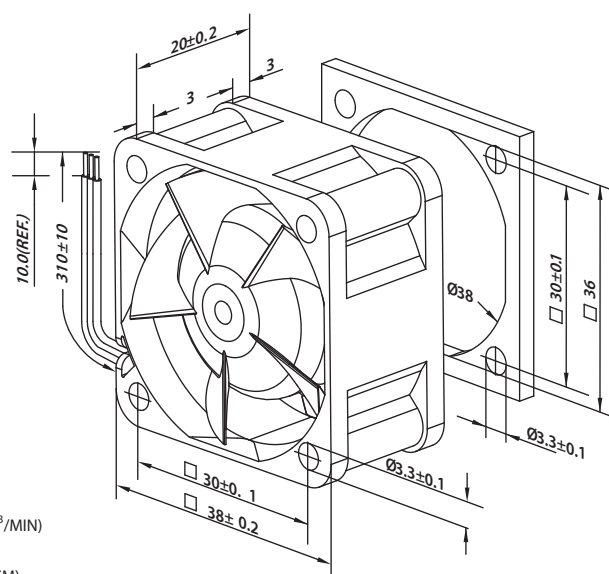
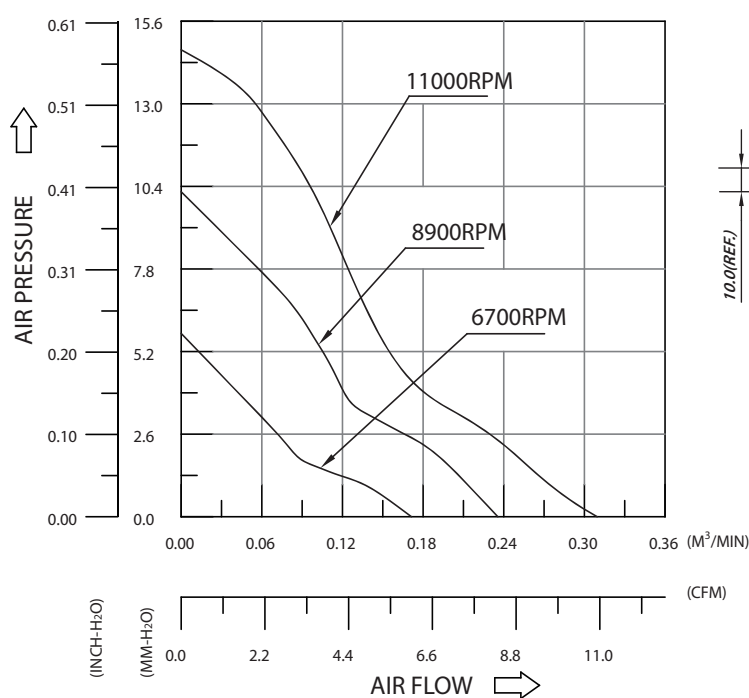


DC AXIAL FANS

DA SERIES 38×38×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 30.5g (1.076 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
F3820_12M	FG	B	12	10.8 to 13.2	0.12	1.44	6700	0.177	6.255	5.52	0.217	31.12	70000
* F3820_12H	FG	B	12	10.8 to 13.2	0.20	2.40	8900	0.245	8.634	10.06	0.396	38.22	70000
F3820_12U	FG	B	12	10.8 to 13.2	0.32	3.84	11000	0.3096	10.931	14.799	0.5826	43.83	70000

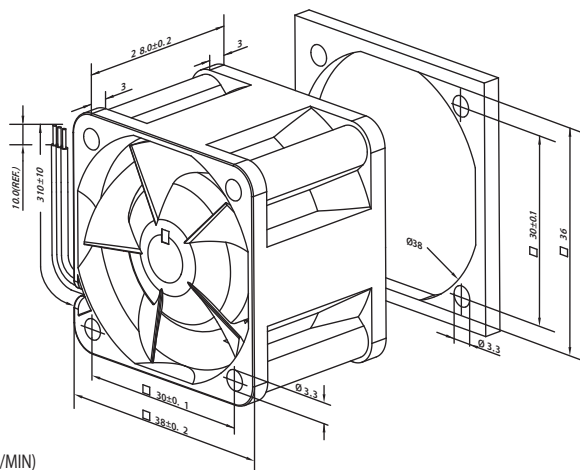


Company profile



DC axial fans

- ## DC blower fans

AC fans

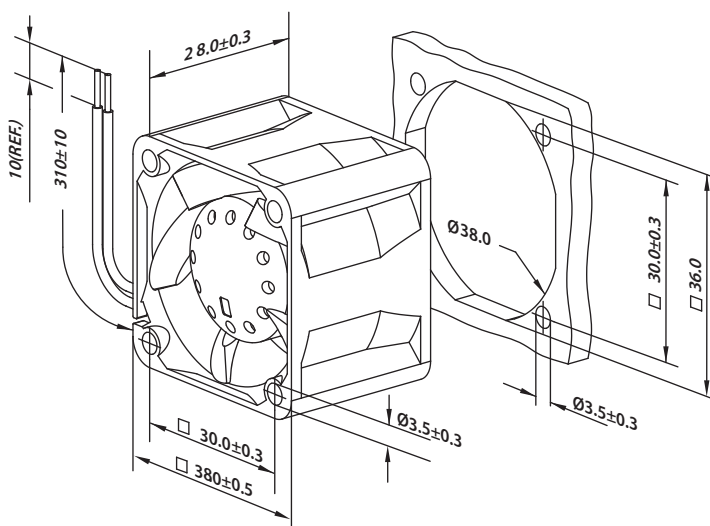
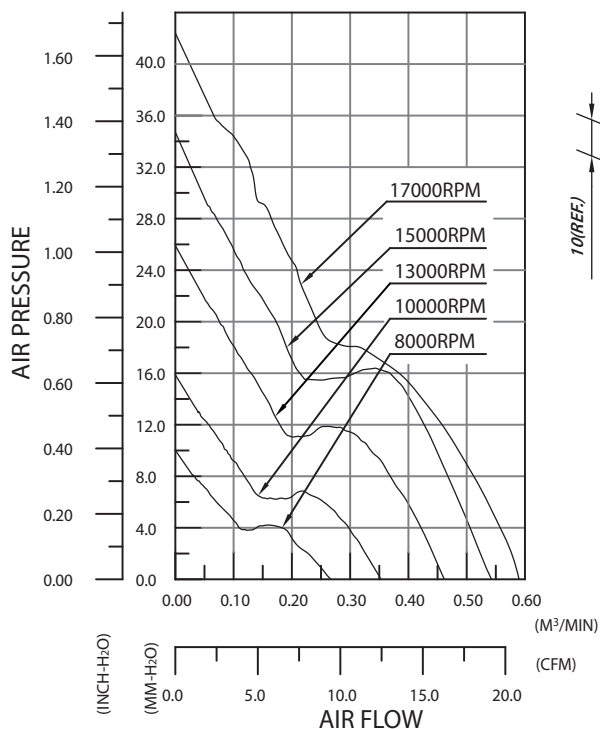
DC AXIAL FANS

DB SERIES 38×38×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 40g (1.41 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DB03828_12L	-FG / RD	B	12	7.0 to 13.2	0.11	1.32	8000	0.267	9.44	10.02	0.394	38.0	120000
DB03828_12M	-FG / RD	B	12	7.0 to 13.2	0.14	1.68	10000	0.353	12.46	15.88	0.625	44.0	120000
DB03828_12H	-FG / RD	B	12	7.0 to 13.2	0.29	3.48	13000	0.462	16.30	25.91	1.020	51.0	110000
DB03828_12U	-FG / RD	B	12	7.0 to 13.2	0.50	6.00	15000	0.543	19.16	34.71	1.367	55.0	100000
* DB03828_12S	-FG / RD	B	12	7.0 to 13.2	0.65	7.80	17000	0.589	20.83	42.41	1.669	59.0	90000



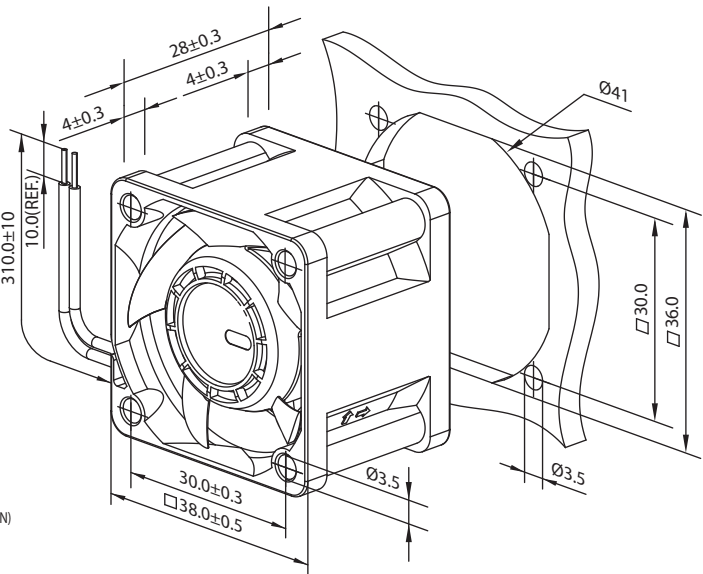
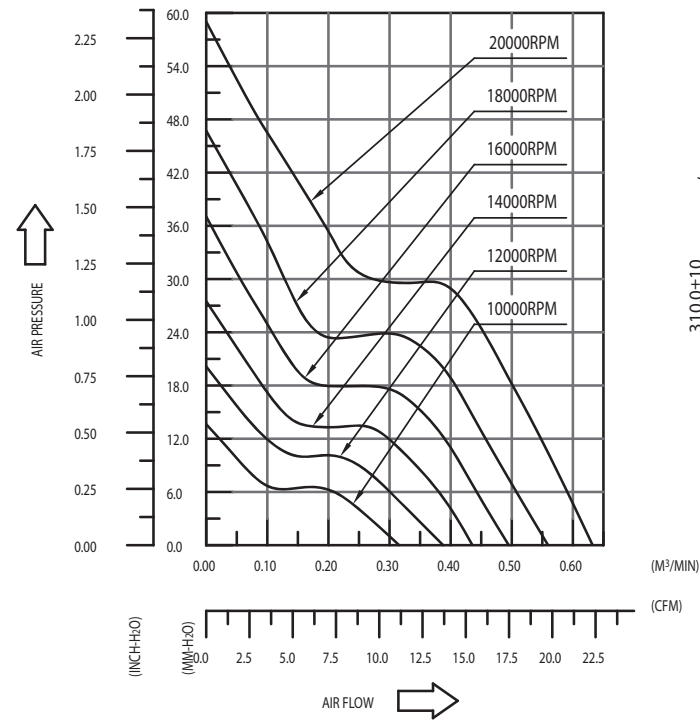


DC AXIAL FANS

DBTA SERIES 38×38×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from inlet side
- * Weight: 40g (1.28 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DBTA0328B2E	-FG/RD	B	12	5.0 to 13.2	0.14	1.68	10000	0.315	11.14	13.63	0.537	40.0	70000
DBTA0328B2L	-FG/RD	B	12	5.0 to 13.2	0.18	2.16	12000	0.387	13.70	20.14	0.793	46.0	70000
DBTA0328B2M	-FG/RD	B	12	5.0 to 13.2	0.24	2.88	14000	0.434	15.38	27.50	1.083	50.0	70000
DBTA0328B2H	-FG/RD	B	12	5.0 to 13.2	0.32	3.84	16000	0.494	17.48	37.05	4.459	54.0	70000
DBTA0328B2U	-FG/RD	B	12	5.0 to 13.2	0.42	5.04	18000	0.558	19.75	46.72	1.839	57.0	70000
* DBTA0328B2S	-FG/RD	B	12	5.0 to 13.2	0.55	6.6	20000	0.629	22.21	58.92	2.482	58.0	70000



UNIT: mm

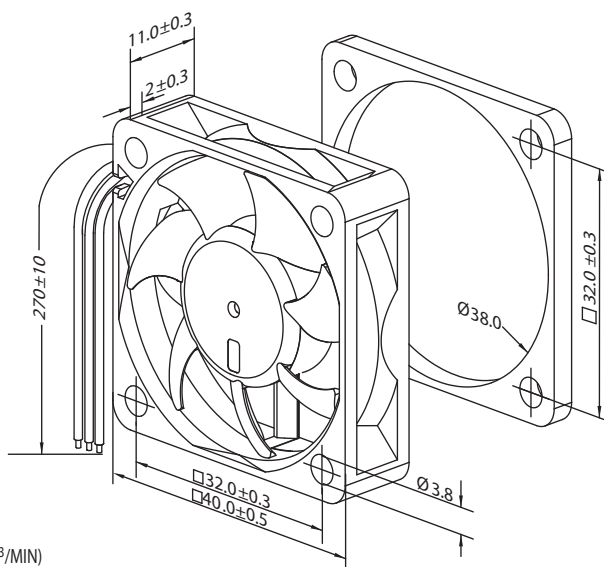
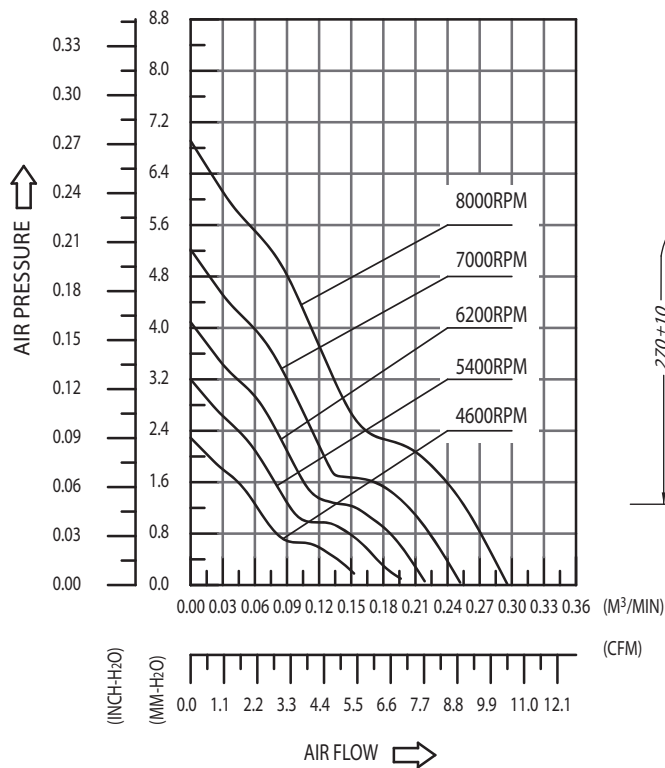
DC AXIAL FANS



DAKA SERIES 40×40×10 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 16.55g (0.584 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DAKA0410_12E	-FG / RD	B	12	5.0 to 13.2	0.07	0.84	4600	0.153	5.39	2.29	0.090	21.27	70000
DAKA0410_12L	-FG / RD	B	12	5.0 to 13.2	0.09	1.08	5400	0.196	6.93	3.15	0.336	24.08	70000
DAKA0410_12M	-FG / RD	B	12	5.0 to 13.2	0.11	1.32	6200	0.219	7.8	4.17	0.481	28.01	70000
* DAKA0410_12H	-FG / RD	B	12	5.0 to 13.2	0.14	1.68	7000	0.252	8.96	5.32	0.677	31.25	70000
DAKA0410_12U	-FG / RD	B	12	5.0 to 13.2	0.17	2.04	8000	0.296	10.37	6.79	0.481	35.16	70000



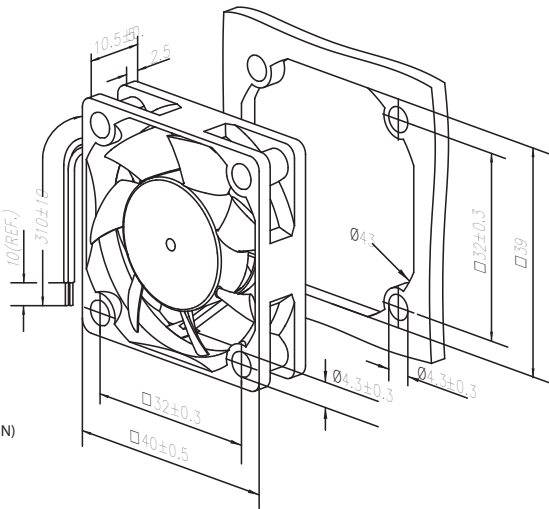
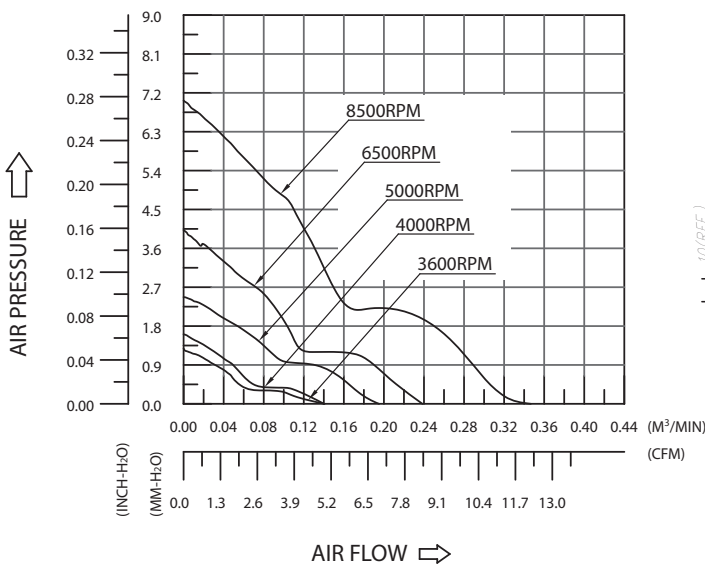
DC AXIAL FANS

DS SERIES 40×40×10 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 15g (0.43 OZ)

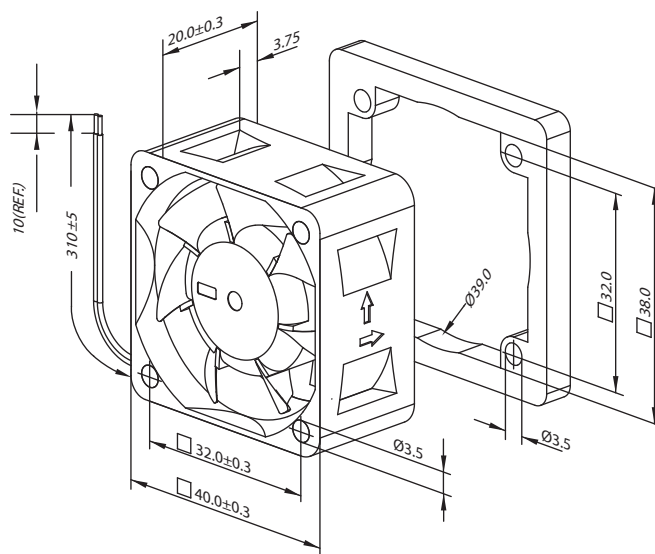
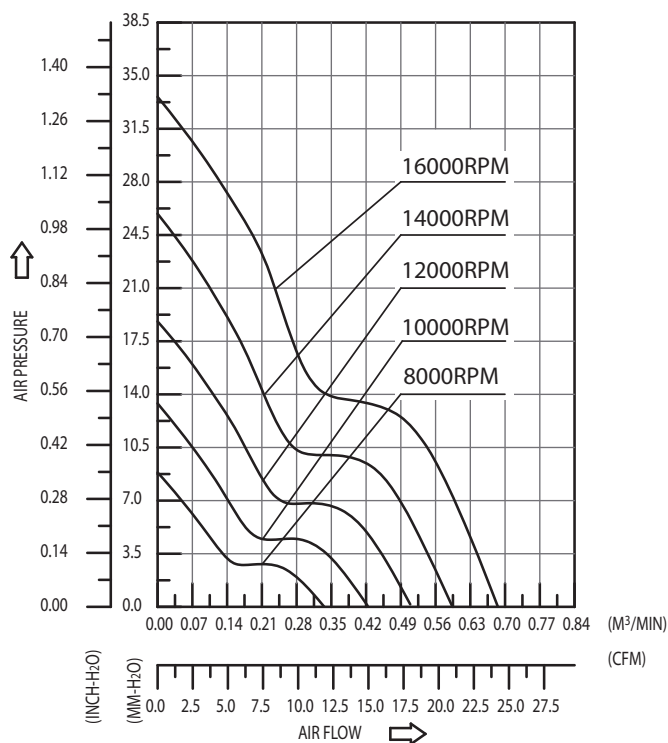


MODEL		Bearing Type		Rated Voltage		Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B	T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours		
DS04010_12L	-FG	B	R	12	5.0 to 13.2	0.08	0.96	3600	0.141	4.97	1.28	0.050	18.0	70000		
DS04010_12M	-FG	B	R	12	5.0 to 13.2	0.10	1.20	4000	0.140	4.95	1.61	0.064	18.7	70000		
* DS04010_12H	-FG	B	R	12	5.0 to 13.2	0.11	1.32	5000	0.195	6.89	2.47	0.097	23.7	70000		
DS04010_12U	-FG		R	12	5.0 to 13.2	0.14	1.68	6500	0.238	8.42	4.02	0.158	30.4	50000		
DS04010_12S	-FG		R	12	5.0 to 13.2	0.30	3.60	8500	0.347	12.24	7.02	0.276	37.8	50000		



- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 35g (1.23 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
✱	DAKA0420_2M	FG	<u>B</u>	12	5.0 to 13.2	0.30	3.6	8000	0.335	11.84	8.85	0.348	38.98	70000
	DAKA0420_2H	FG	<u>B</u>	12	5.0 to 13.2	0.40	4.8	10000	0.425	14.94	13.40	0.528	44.84	70000
	DAKA0420_2U	FG	<u>B</u>	12	5.0 to 13.2	0.60	7.2	12000	0.509	17.97	18.80	0.740	50.25	70000
	DAKA0420_2S	FG	<u>B</u>	12	5.0 to 13.2	0.80	9.6	14000	0.594	20.95	25.90	1.020	52.83	70000
	DAKA0420_2F	FG	B	12	5.0 to 13.2	1.20	14.4	16000	0.686	24.20	33.60	1.323	57.02	70000



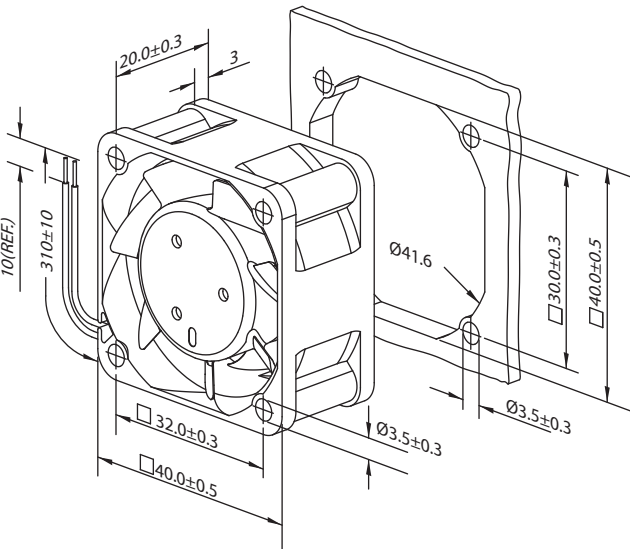
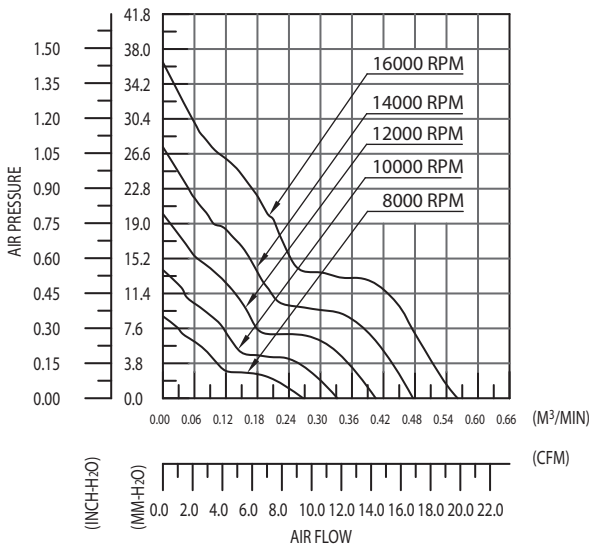


DC AXIAL FANS

DBTA SERIES
40×40×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 25g (0.88 OZ)

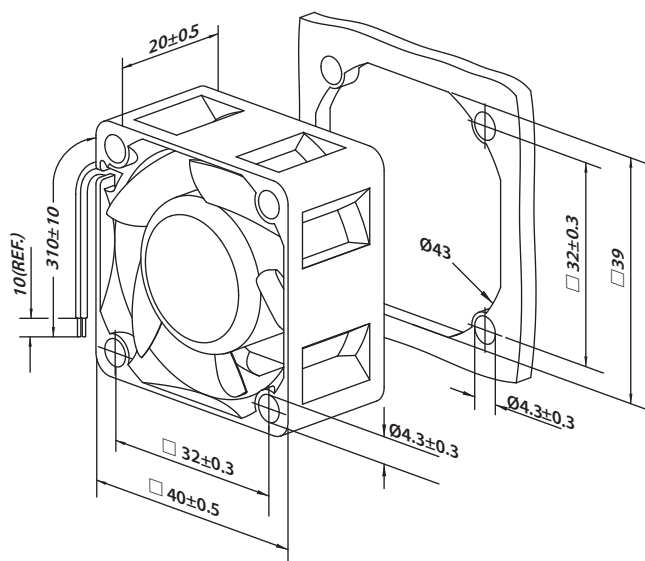
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DBTA0420B_2E	-FG / RD	B	12	7.0 to 13.2	0.08	0.96	8000	0.267	9.43	8.92	0.351	32.9	70000
DBTA0420B_2L	-FG / RD	B	12	7.0 to 13.2	0.11	1.32	10000	0.332	11.73	13.96	0.549	40.0	70000
DBTA0420B_2M	-FG / RD	B	12	7.0 to 13.2	0.17	2.04	12000	0.405	14.31	20.06	0.789	44.3	70000
DBTA0420B_2H	-FG / RD	B	12	7.0 to 13.2	0.25	3.00	14000	0.476	16.82	27.34	1.073	48.9	70000
* DBTA0420B_2U	-FG / RD	B	12	7.0 to 13.2	0.41	4.92	16000	0.561	19.82	36.55	1.438	52.9	70000



- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 35g (1.23 OZ)

The graph plots Air Pressure against Air Flow for six different RPM settings. The left y-axis represents Air Pressure in inches H₂O (0.00 to 0.84), and the right y-axis represents Air Pressure in mm H₂O (0.0 to 21.0). The x-axis shows Air Flow in CFM (0.00 to 0.48) and (mm H₂O) (0.0 to 16.9). The curves show that for a given air flow, the air pressure increases with RPM. Conversely, for a given RPM, the air pressure decreases as air flow increases.

Air Flow (CFM)	13000RPM (in H ₂ O)	10500RPM (in H ₂ O)	9000RPM (in H ₂ O)	7600RPM (in H ₂ O)	6200RPM (in H ₂ O)	4500RPM (in H ₂ O)
0.00	0.78	0.48	0.36	0.30	0.24	0.18
0.04	0.72	0.46	0.34	0.28	0.22	0.16
0.08	0.66	0.44	0.32	0.26	0.20	0.14
0.12	0.60	0.42	0.30	0.24	0.18	0.12
0.16	0.54	0.40	0.28	0.22	0.16	0.10
0.20	0.52	0.38	0.26	0.20	0.14	0.08
0.24	0.52	0.36	0.24	0.18	0.12	0.06
0.28	0.52	0.34	0.22	0.16	0.10	0.04
0.32	0.52	0.32	0.20	0.14	0.08	0.02
0.36	0.52	0.30	0.18	0.12	0.06	0.00
0.40	0.52	0.28	0.16	0.10	0.04	-
0.44	0.52	0.26	0.14	0.08	0.02	-
0.48	0.52	0.24	0.12	0.06	0.00	-



DC AXIAL FANS

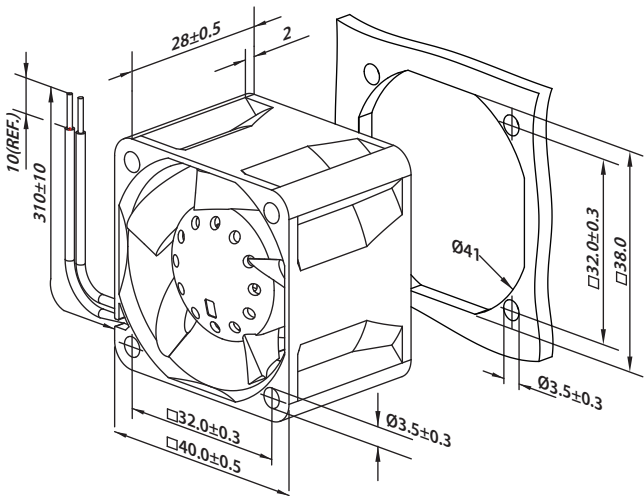
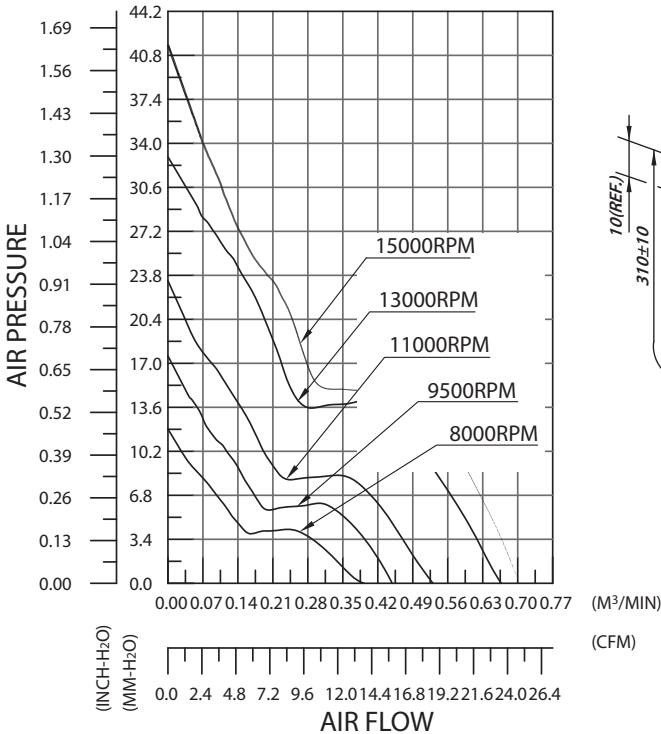
DB SERIES 40×40×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 40g (1.41 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours

DB04028_12L	-FG / RD	B	12	7.0 to 13.2	0.14	1.68	8000	0.401	13.86	11.60	0.456	40.0	120000
DB04028_12M	-FG / RD	B	12	7.0 to 13.2	0.23	2.76	9500	0.449	15.85	17.57	0.692	45.0	120000
DB04028_12H	-FG / RD	B	12	7.0 to 13.2	0.38	4.56	11000	0.542	18.73	23.38	0.920	50.5	110000
DB04028_12U	-FG / RD	B	12	7.0 to 13.2	0.55	6.60	13000	0.673	23.78	33.65	1.324	54.0	100000
* DB04028_12S	-FG / RD	B	12	7.0 to 13.2	0.64	7.68	15000	0.703	24.82	41.61	1.638	58.0	100000



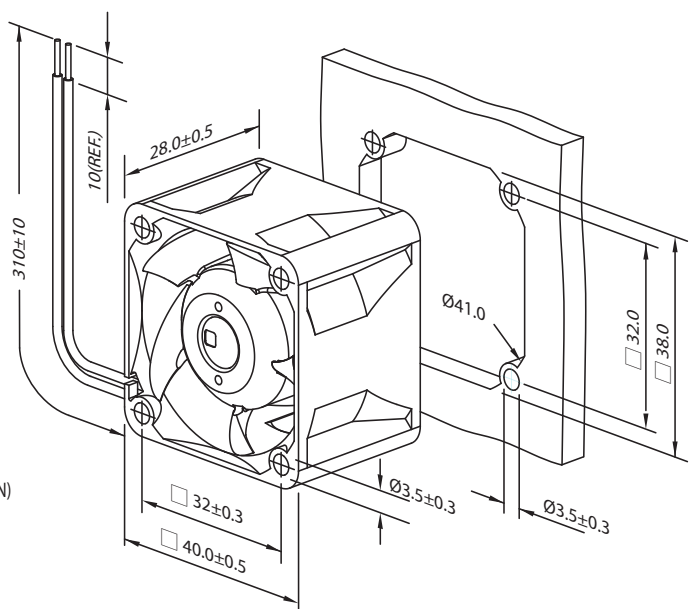
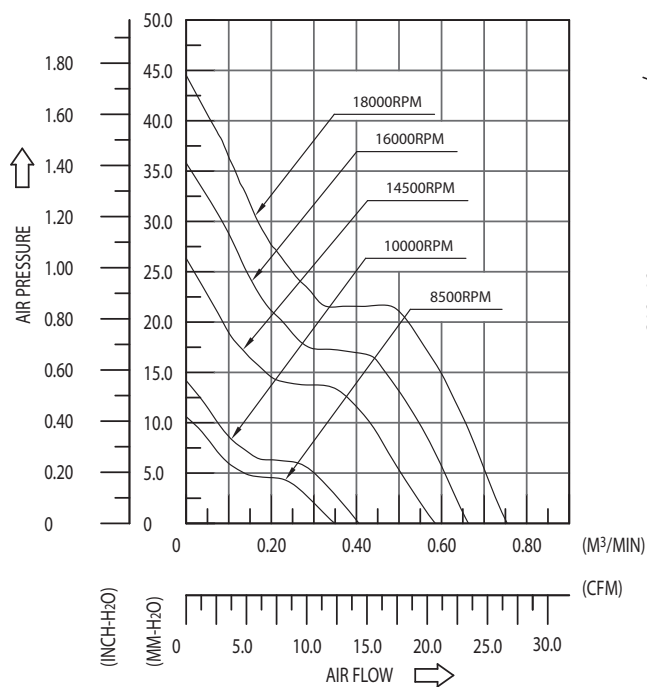
DC AXIAL FANS



DBTA SERIES 40×40×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 45g (1.58 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DBTA0428_2L	-FG/RD	B	12	7.0 to 13.8	0.11	1.32	8500	0.349	12.34	10.60	0.417	38.7	120000
DBTA0428_2M	-FG/RD	B	12	7.0 to 13.8	0.13	1.56	10000	0.406	14.34	14.18	0.558	42.4	110000
DBTA0428_2H	-FG/RD	B	12	7.0 to 13.8	0.35	4.20	14500	0.586	20.68	26.33	1.037	52.9	90000
DBTA0428_2U	-FG/RD	B	12	7.0 to 13.2	0.45	5.40	16000	0.663	23.42	35.80	1.409	55.4	70000
* DBTA0428_2S	-FG/RD	B	12	7.0 to 13.2	0.62	7.44	18000	0.754	26.64	44.52	1.753	58.0	70000



DC AXIAL FANS

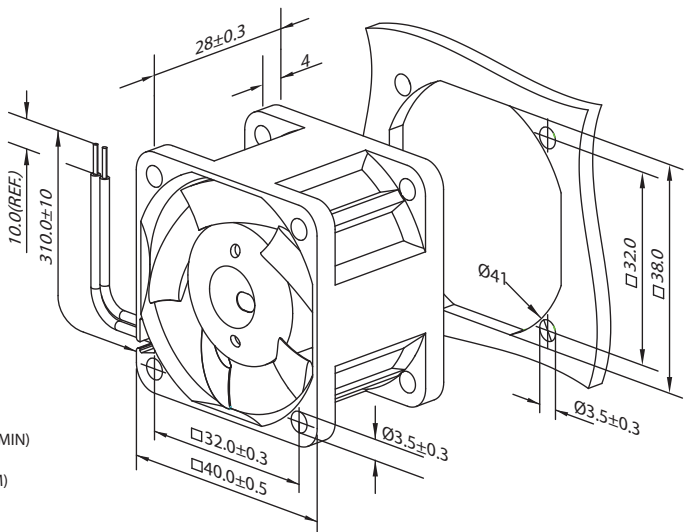
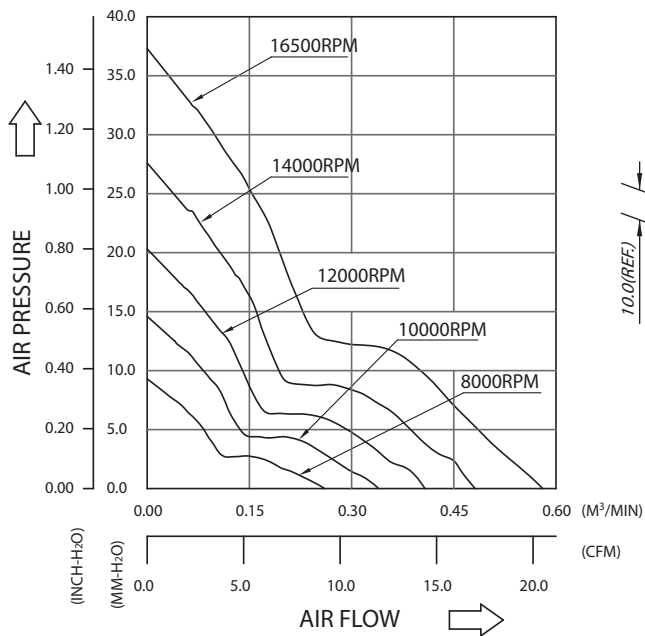
DV SERIES
40×40×28 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 40g (1.41 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours

DV04028_12E	-FG / RD	B	12	7.0 to 13.2	0.10	1.20	8000	0.261	9.20	9.30	0.366	31.3	120000
DV04028_12L	-FG / RD	B	12	7.0 to 13.2	0.15	1.80	10000	0.340	12.00	14.60	0.575	36.5	120000
DV04028_12M	-FG / RD	B	12	7.0 to 13.2	0.20	2.40	12000	0.408	14.40	20.31	0.800	41.3	120000
DV04028_12H	-FG / RD	B	12	7.0 to 13.2	0.30	3.60	14000	0.481	17.00	27.60	1.087	45.4	110000
* DV04028_12U	-FG / RD	B	12	7.0 to 13.2	0.46	5.52	16500	0.581	20.50	37.30	1.469	48.8	100000



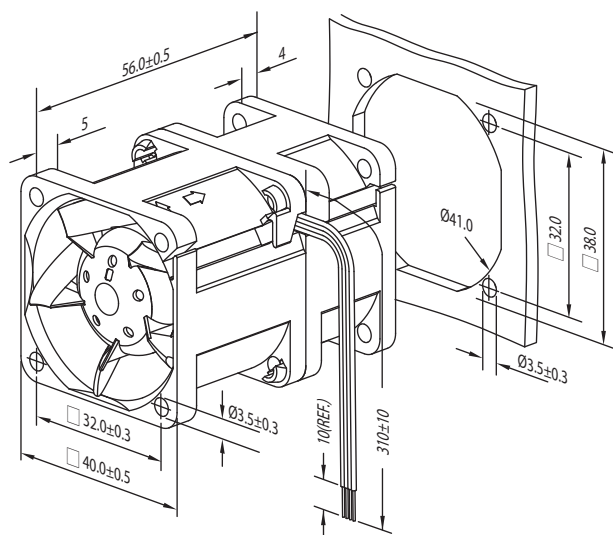
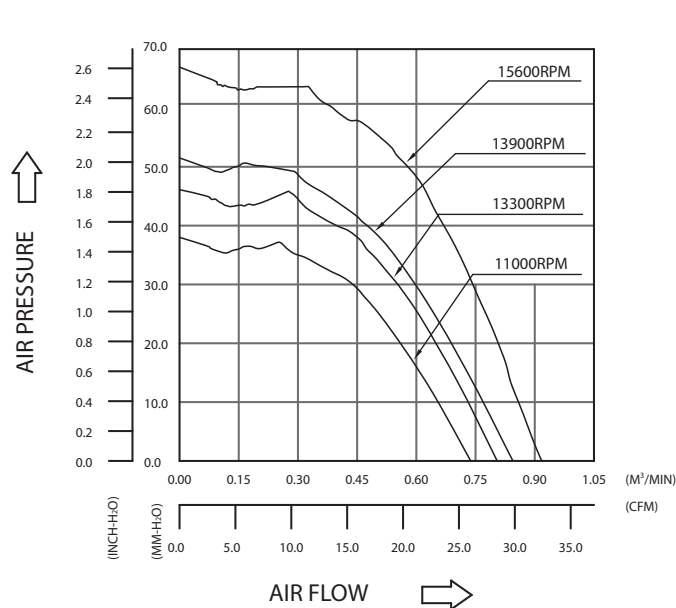
DC AXIAL FANS



DF SERIES 40×40×56 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades inlet, 3 Blades outlet
- * Rotational direction CCW view from front face
- * Weight: 96g (3.39 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DF04056_12M	-FG / RD	B	12	7.0 to 13.2	0.85	10.20	11000	0.738	26.05	38.01	1.496	58.0	70000
DF04056_12H	-FG / RD	B	12	7.0 to 13.2	1.25	15.00	13900	0.845	29.83	51.51	2.028	61.5	70000
* DF04056_12U	-FG / RD	B	12	7.0 to 13.2	1.50	18.00	15600	0.918	32.41	66.94	2.635	64.5	70000



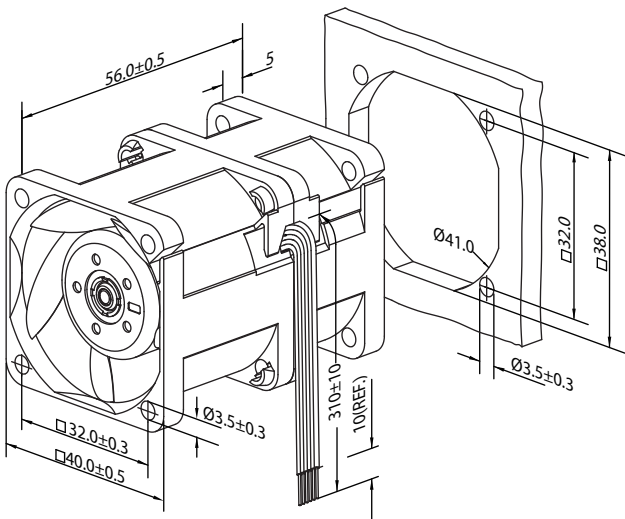
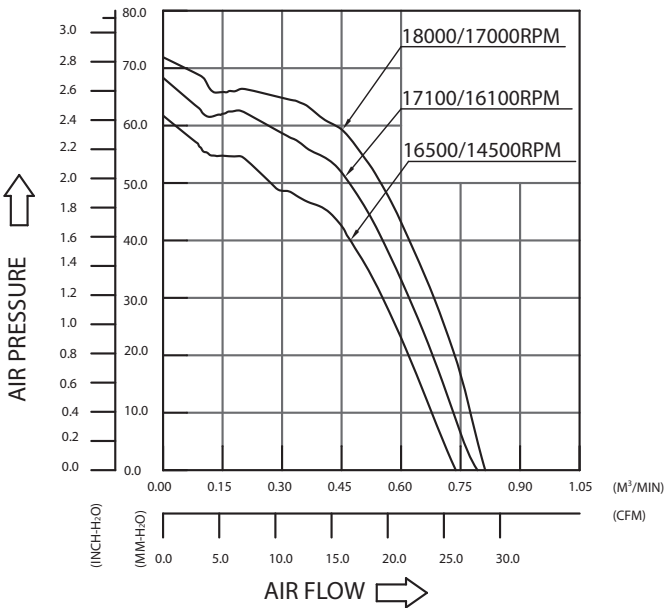


DC AXIAL FANS

DFTA SERIES
40×40×56 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #28 or Equivalent
- * Impeller: 5 Blades inlet, 3 Blades outlet
- * Rotational direction CCW view from front face
- * Weight: 96g (3.39 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DFTA0456_2M	-FG / RD	B	12	7.0 to 13.2	0.8	9.6	16500	0.738	26.06	61.74	2.43	63.5	70000
DFTA0456_2H	-FG / RD	B	12	7.0 to 13.2	1.0	12.0	17100	0.793	28.00	68.33	2.69	64.0	70000
* DFTA0456_2U	-FG / RD	B	12	7.0 to 13.2	1.3	15.6	18000	0.812	28.68	71.91	2.83	64.5	70000



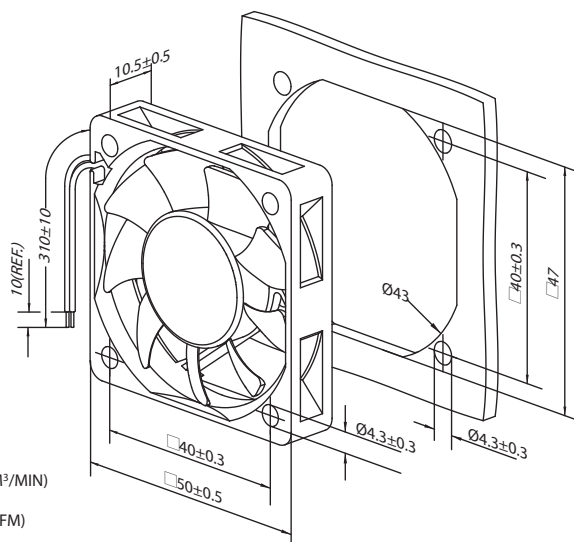
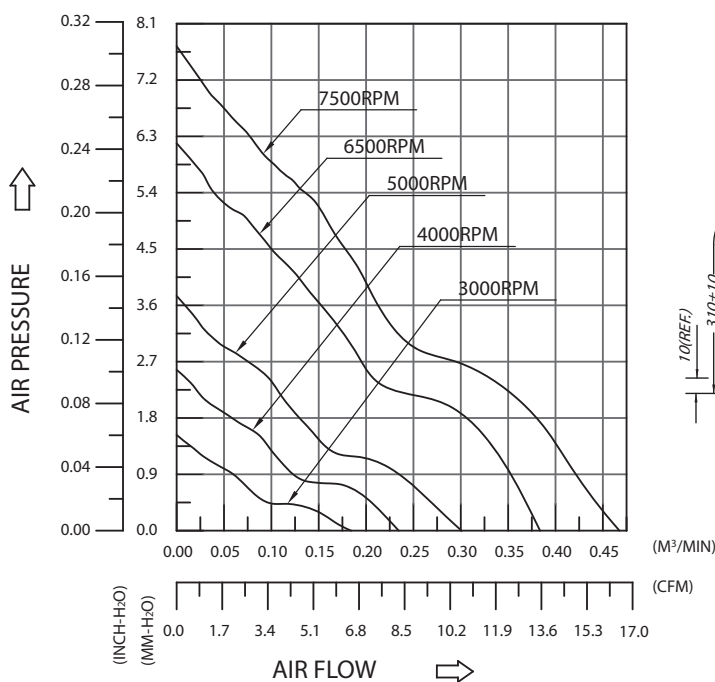
DC AXIAL FANS



DS SERIES 50×50×10 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 20g (0.71 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DS05010_12E	-FG	R	12	5.0 to 13.2	0.10	1.20	3000	0.184	6.51	1.53	0.060	18.7	70000
DS05010_12L	-FG	R	12	5.0 to 13.2	0.14	1.68	4000	0.235	8.28	2.57	0.101	23.8	70000
DS05010_12M	-FG	R	12	5.0 to 13.2	0.17	2.04	5000	0.301	10.62	3.75	0.148	32.2	70000
* DS05010_12H	-FG	R	12	5.0 to 13.2	0.22	2.64	6500	0.384	13.55	6.19	0.244	36.6	70000
DS05010_12U	-FG	R	12	5.0 to 13.2	0.35	4.20	7500	0.466	16.51	7.74	0.305	39.4	70000



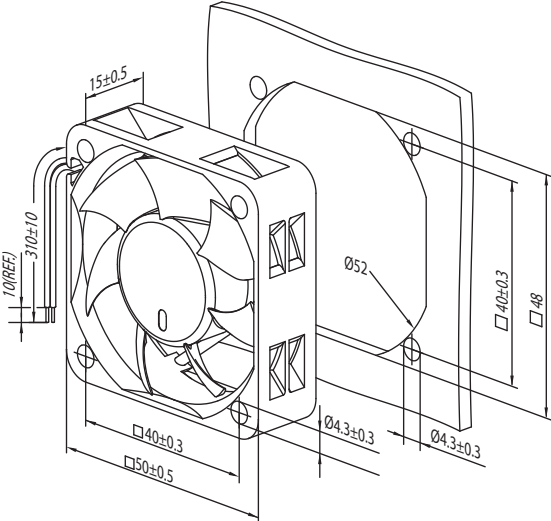
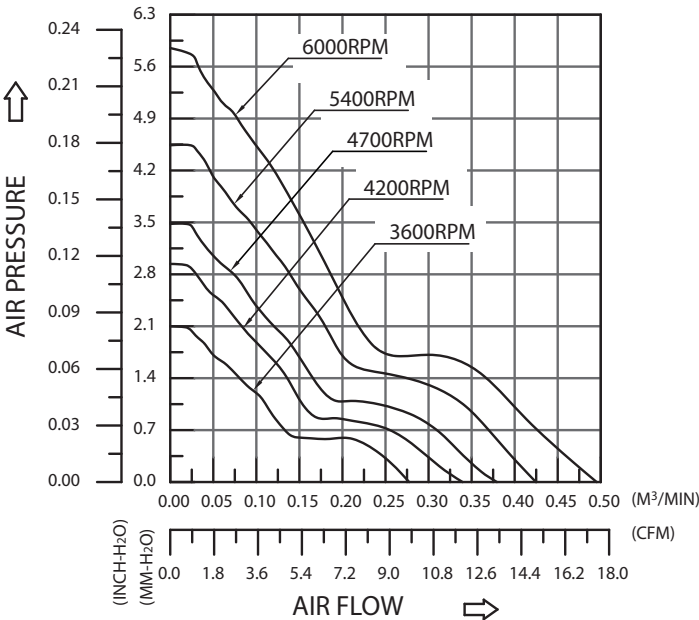


DC AXIAL FANS

DA SERIES
50×50×15 mm 12v, 5v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 31g (1.09 OZ)

MODEL		Bearing Type		Rated Voltage		Operating Voltage Range		Rated Current		Rated Input Power		Speed		Maximum Air Flow		Maximum Air Pressure		Acoustic Noise		Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R		VDC	VDC			Amp	Watt			R.P.M.		m³/min	CFM	mmH₂O	IN H₂O	dB-A		hours	
DA05015_12E	-FG	B	R	12	5.0 to 13.2			0.09	1.08			3600		0.278	9.80	2.12	0.084	23.4		70000	
DA05015_12L	-FG	B	R	12	5.0 to 13.2			0.12	1.44			4200		0.340	11.90	2.94	0.116	26.7		70000	
DA05015_12M	-FG	B	R	12	5.0 to 13.2			0.15	1.80			4700		0.379	13.40	3.48	0.137	28.3		70000	
* DA05015_12H	-FG	B		12	5.0 to 13.2			0.20	2.40			5400		0.425	15.01	4.54	0.179	31.5		70000	
DA05015_12U	-FG	B		12	5.0 to 13.2			0.40	4.80			6000		0.495	17.49	5.85	0.230	35.5		70000	
DA05015_05E	-FG	B		5	4.0 to 5.5			0.15	0.75			3600		0.278	9.80	2.12	0.084	23.4		70000	
DA05015_05L	-FG	B		5	4.0 to 5.5			0.20	1.00			4200		0.340	11.99	2.94	0.116	26.7		70000	
DA05015_05M	-FG	B		5	4.0 to 5.5			0.25	1.25			4700		0.379	13.40	3.48	0.137	28.3		70000	
DA05015_05H	-FG	B		5	4.0 to 5.5			0.30	1.50			5400		0.425	15.01	4.54	0.179	31.5		70000	
DA05015_05U	-FG	B		5	4.0 to 5.5			0.40	2.00			6000		0.495	17.49	5.85	0.230	35.5		70000	



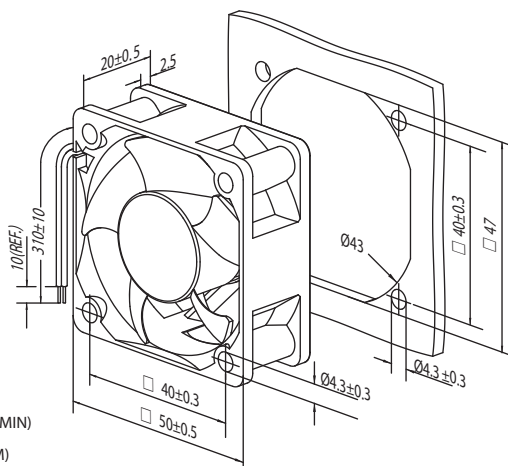
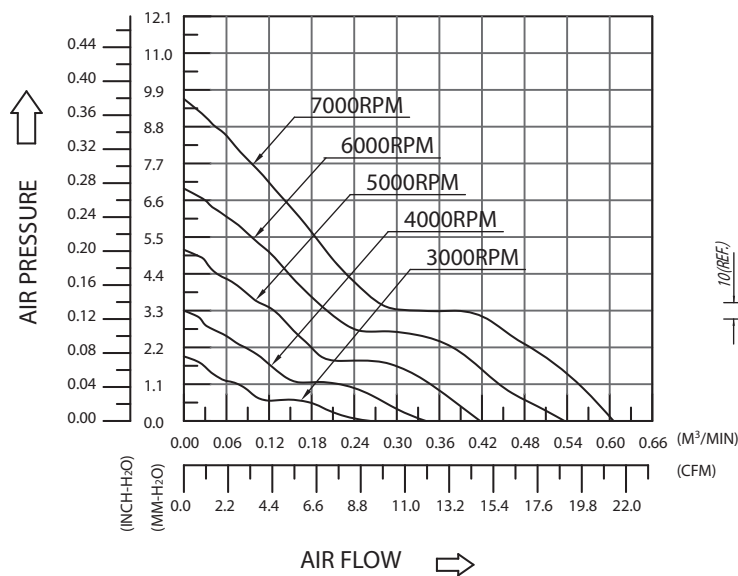
DC AXIAL FANS



DS SERIES
50×50×20 mm 12v, 24v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 38g (1.34 OZ)

MODEL		Bearing Type		Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours		
DS05020_12L	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.15	1.80	3000	0.263	9.28	1.93	0.076	19.2	70000	
DS05020_12M	-FG/RD	<u>B</u>	<u>R</u>	12	5.0 to 13.2	0.20	2040	4000	0.341	12.04	3.30	0.130	25.7	70000	
* DS05020_12H	-FG/RD	<u>B</u>	<u>R</u>	12	5.0 to 13.2	0.25	3.00	5000	0.417	14.74	5.12	0.202	32.3	70000	
DS05020_12U	-FG/RD	<u>B</u>	<u>R</u>	12	5.0 to 13.2	0.30	3.60	6000	0.536	18.94	6.95	0.274	37.8	70000	
DS05020_12S	-FG/RD	<u>B</u>		12	5.0 to 13.2	0.40	4.80	7000	0.605	21.38	9.63	0.379	41.5	70000	
DS05020_24U	-FG/RD		<u>R</u>	24	10.0 to 26.4	0.30	7.30	6000	0.536	18.94	6.95	0.274	37.8	70000	



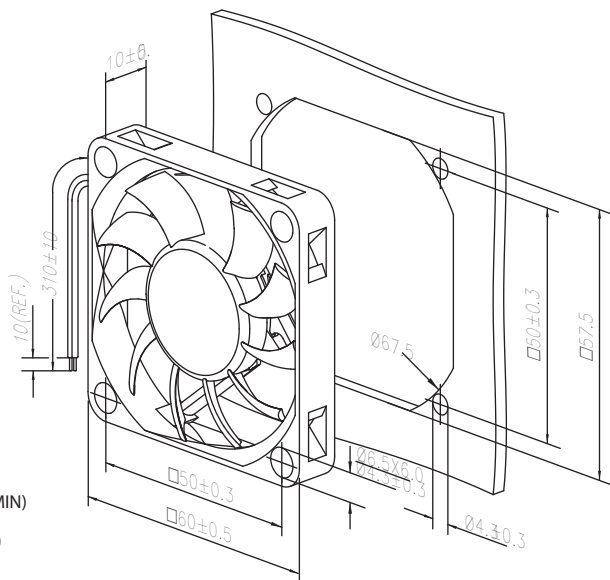
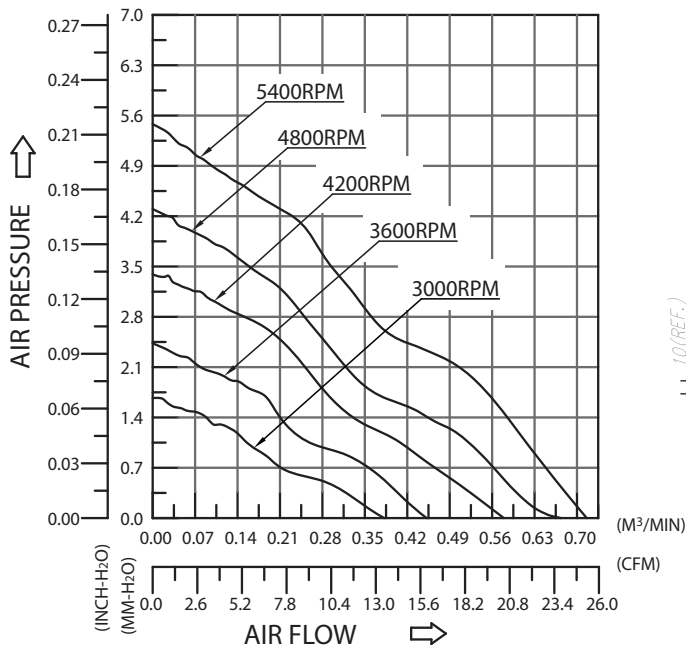


DC AXIAL FANS

DA SERIES 60×60×10 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CCW view from front face
- * Weight: 25g (0.88 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DA06010_12E	-FG/RD	B	12	7.0 to 13.2	0.10	1.20	3000	0.382	13.49	1.67	0.066	24.3	70000
DA06010_12L	-FG/RD	B	12	7.0 to 13.2	0.17	2.04	3600	0.452	15.98	2.43	0.096	28.9	70000
DA06010_12M	-FG/RD	B	12	7.0 to 13.2	0.20	2.40	4200	0.579	20.46	3.39	0.134	33.4	70000
DA06010_12H	-FG/RD	B	12	7.0 to 13.2	0.29	3.48	4800	0.673	23.78	4.30	0.169	37.3	70000
* DA06010_12U	-FG/RD	B	12	7.0 to 13.2	0.40	4.80	5400	0.716	25.29	5.48	0.216	40.0	70000



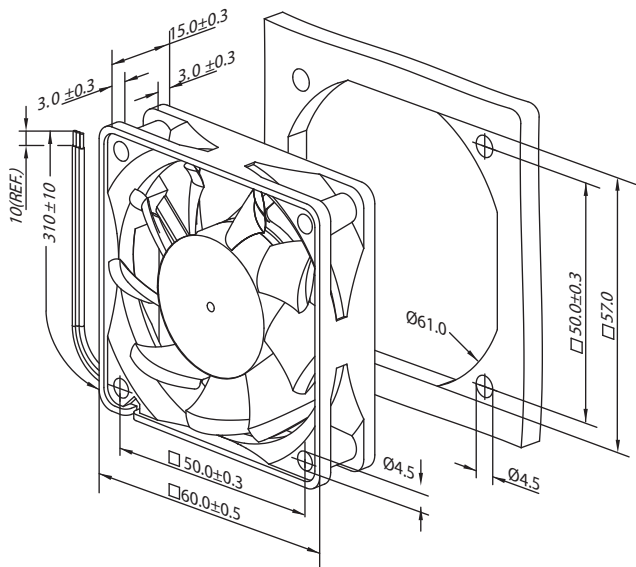
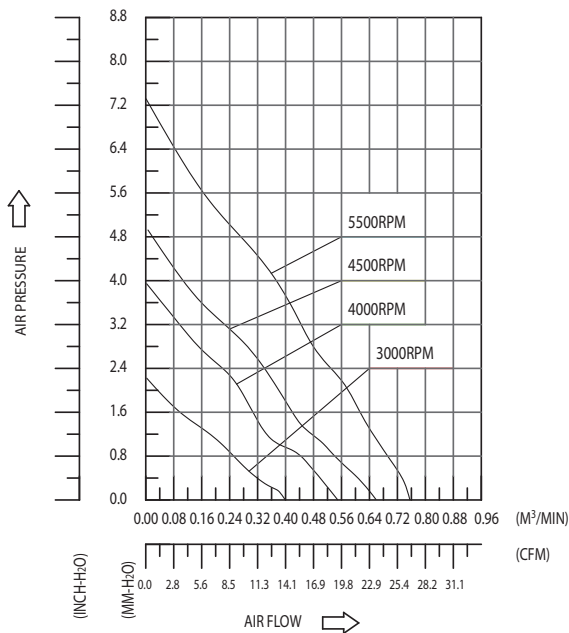
DC AXIAL FANS



DA SERIES
60×60×15 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 36g (1.27 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
* F6015_12L	FG	B	12	10.8 to 13.2	0.10	1.20	3000	0.415	14.678	2.246	0.088	24.6	70000
F6015_12M	FG	B	12	10.8 to 13.2	0.15	1.80	4000	0.542	19.132	3.955	0.155	32.93	70000
F6015_12H	FG	B	12	10.8 to 13.2	0.15	1.80	4500	0.613	21.638	4.94	0.194	35.54	70000
F6015_12U	FG	B	12	10.8 to 13.2	0.35	4.20	5500	0.755	26.651	7.317	0.288	41.55	70000



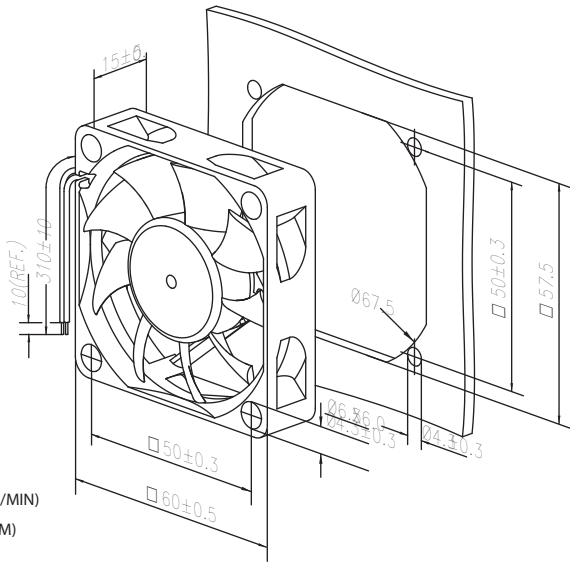
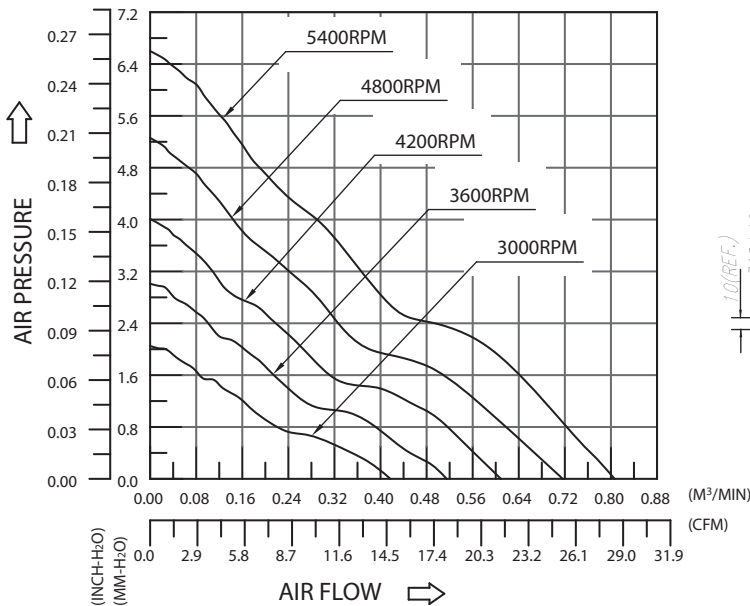


DC AXIAL FANS

DA SERIES 60×60×15 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face

MODEL		Bearing Type		Rated Voltage		Operating Voltage Range		Rated Current		Rated Input Power		Speed		Maximum Air Flow		Maximum Air Pressure		Acoustic Noise		Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours								
DA06015_12E	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.111	1.32	3000	0.417	14.73	2.05	0.081	26.1	70000							
* DA06015_12L	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.14	1.68	3600	0.515	18.18	3.01	0.119	30.3	70000							
DA06015_12M	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.18	2.16	4200	0.609	21.51	4.01	0.158	35.1	70000							
DA06015_12H	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.24	2.88	4800	0.716	25.30	5.26	0.207	39.1	70000							
DA06015_12U	-FG/RD	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.35	4.20	5400	0.806	28.48	6.60	0.260	40.8	70000							

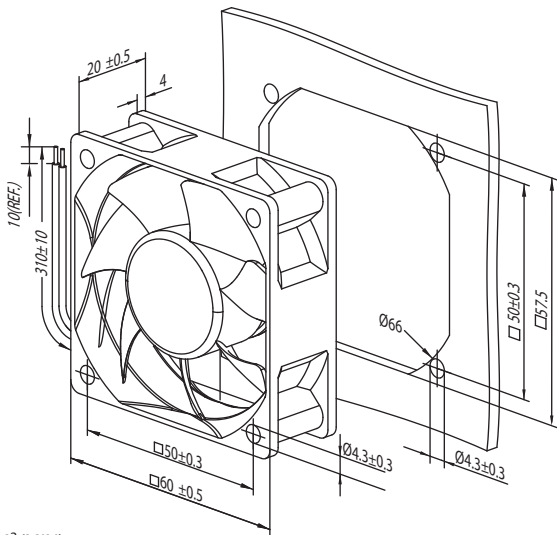
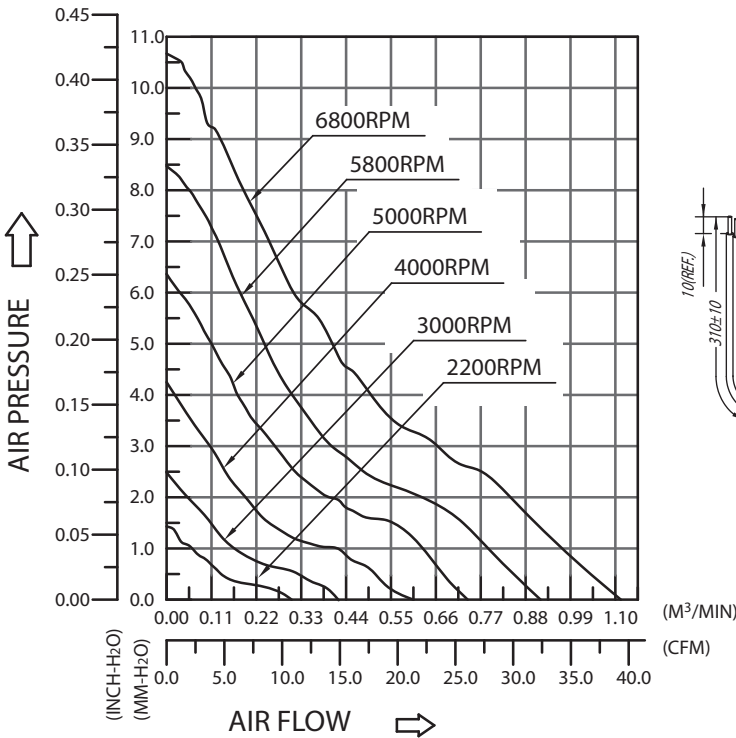


DC AXIAL FANS

DS SERIES 60×60×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 50g (1.43 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DS06020_12E	-FG	B I R	12	5.0 to 13.2	0.08	0.96	2200	0.306	10.82	1.43	0.056	20.2	70000
DS06020_12L	-FG	B I R	12	5.0 to 13.2	0.10	1.20	3000	0.424	14.96	2.47	0.097	24.9	70000
DS06020_12M	-FG	B I R	12	5.0 to 13.2	0.15	1.80	4000	0.626	22.10	4.22	0.166	31.7	70000
* DS06020_12H	-FG	B I R	12	5.0 to 13.2	0.23	2.76	5000	0.759	26.80	6.36	0.251	39.9	70000
DS06020_12U	-FG	B	12	5.0 to 13.2	0.35	4.20	5800	0.917	32.37	8.47	0.333	42.8	70000
DS06020_12S	-FG	B	12	5.0 to 13.2	0.45	5.40	6800	1.113	39.32	10.67	0.420	47.4	70000



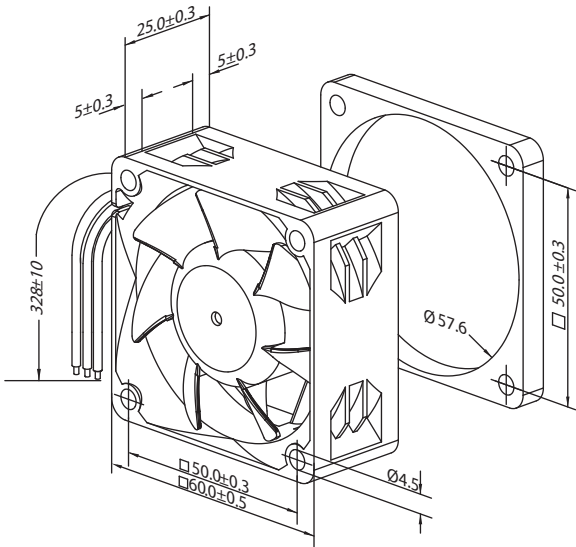
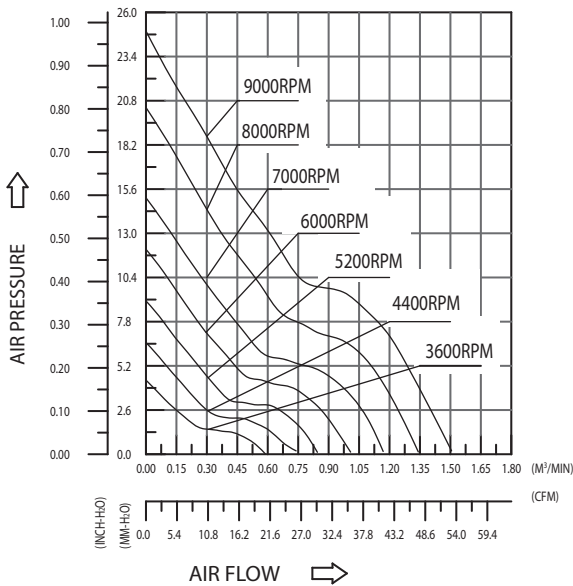


DC AXIAL FANS

DAKA SERIES 60×60×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 74g (2.61 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DAKA0625_12E	FG	B	12	5.0 to 13.2	0.4	4.8	3600	0.590	20.82	4.36	0.172	28.05	70000
DAKA0625_12L	FG	B	12	5.0 to 13.2	0.5	6.0	4400	0.740	26.11	6.57	0.259	33.55	70000
DAKA0625_12M	FG	B	12	5.0 to 13.2	0.6	7.2	5200	0.845	29.82	9.02	0.355	38.81	70000
* DAKA0625_12H	FG	B	12	5.0 to 13.2	0.7	8.4	6000	1.009	35.60	12.06	0.475	43.66	70000
DAKA0625_12U	FG	B	12	5.0 to 13.2	0.8	9.6	7000	1.166	41.14	15.80	0.622	47.21	70000
DAKA0625_12S	FG	B	12	5.0 to 13.2	1.0	12.0	8000	1.342	47.38	20.40	0.801	50.61	70000
DAKA0625_12F	FG	B	12	5.0 to 13.2	1.2	14.4	9000	1.506	53.17	24.90	0.980	55.81	70000



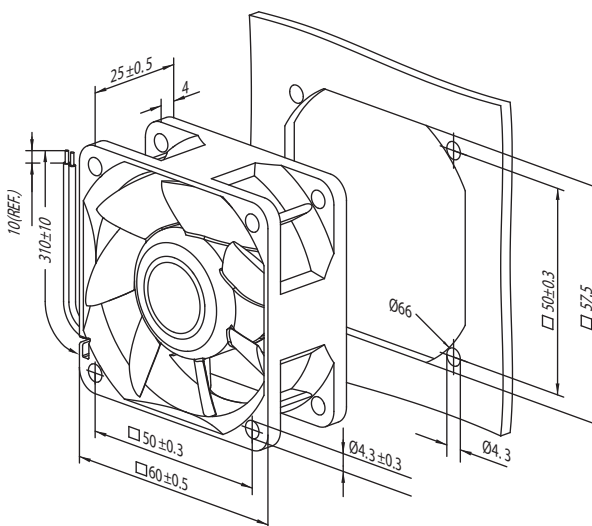
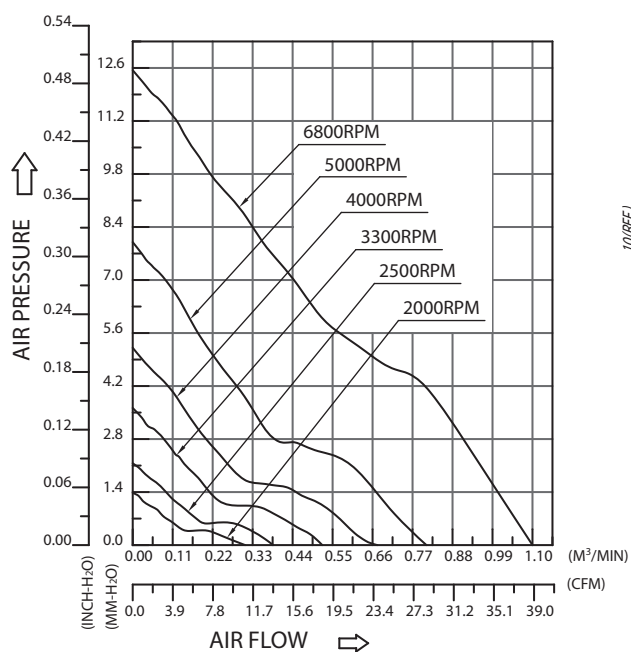
DC AXIAL FANS



DS SERIES 60×60×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 55g (1.940 OZ)

MODEL		Bearing Type		Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B	T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
DS06025_12X	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.10	1.20	2000	0.309	10.92	1.38	0.054	18.1	70000	
DS06025_12E	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.20	2.40	2500	0.387	13.65	2.16	0.085	20.6	70000	
DS06025_12L	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.30	3.60	3300	0.551	18.45	3.62	0.143	26.0	70000	
DS06025_12L	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.40	4.80	4000	0.673	23.76	5.21	0.205	31.5	70000	
DS06025_12H	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.60	7.20	5000	0.808	28.54	8.01	0.315	37.4	70000	
* DS06025_12U	-FG	<u>B</u>	<u>R</u>	12	7.0 to 13.2	0.70	8.40	6800	1.101	38.85	12.54	0.494	45.9	70000	



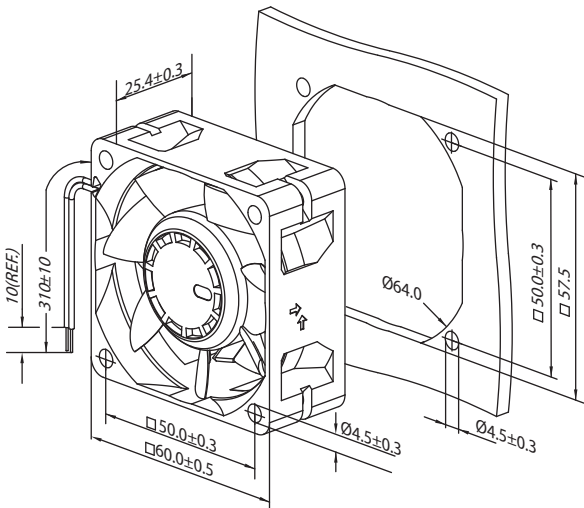
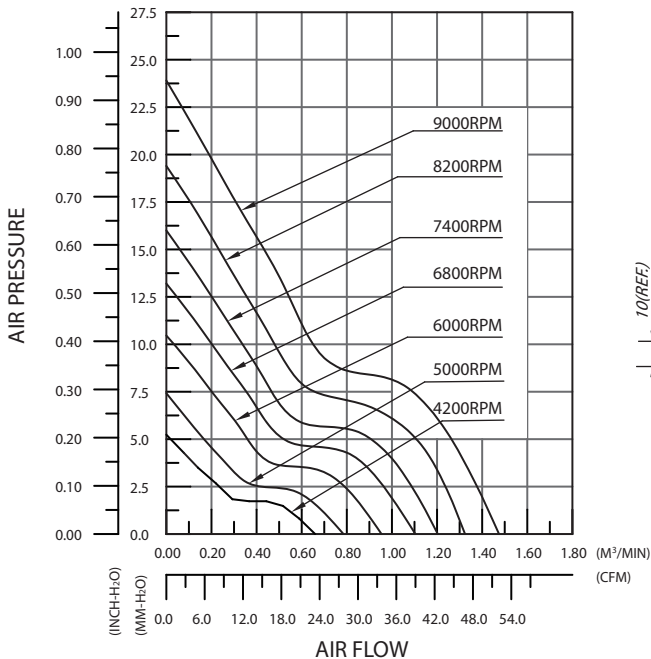


DC AXIAL FANS

DATB SERIES 60×60×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #28 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 80.0g (2.82 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
DATB0625_2E	-FG / RD	B	12	7 to 13.2	0.11	1.32	4200	0.659	23.29	5.23	0.206	34.2	150000	
DATB0625_2L	-FG / RD	B	12	7 to 13.2	0.15	1.80	5000	0.785	27.73	7.42	0.292	38.3	140000	
DATB0625_2M	-FG / RD	B	12	7 to 13.2	0.22	0.64	6000	0.954	33.68	10.46	0.412	42.6	140000	
DATB0625_2H	-FG / RD	B	12	7 to 13.2	0.33	3.96	6800	1.104	38.98	13.20	0.520	46.2	105000	
DATB0625_2U	-FG / RD	B	12	7 to 13.2	0.45	5.40	7400	1.203	42.49	16.00	0.63	48.9	105000	
DATB0625_2S	-FG / RD	B	12	7 to 13.2	0.54	6.48	8200	1.324	46.76	19.40	0.764	50.6	70000	
* DATB0625_2F	-FG / RD	B	12	7 to 13.2	0.72	8.64	9000	1.475	52.08	23.90	0.941	54.0	70000	



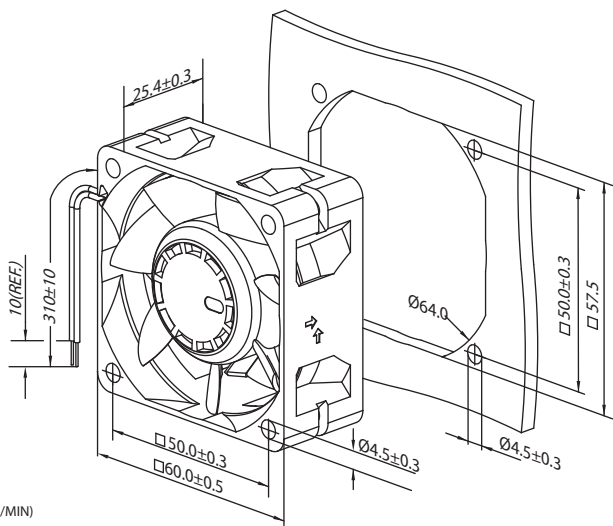
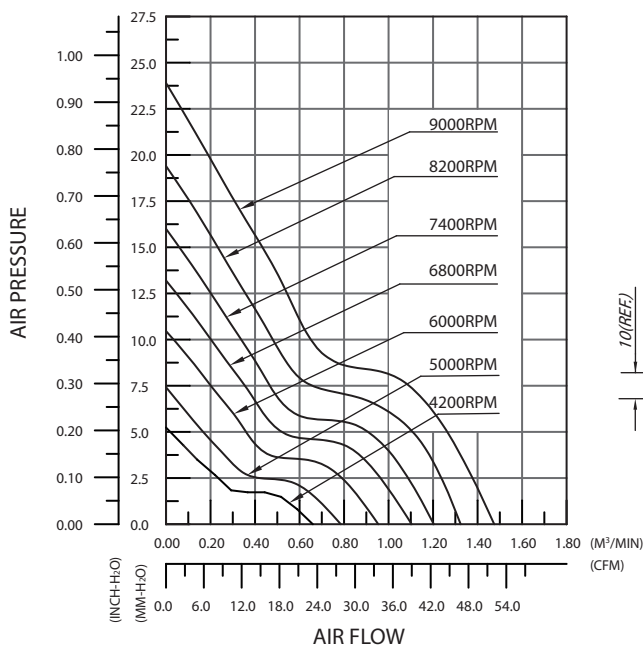


DC AXIAL FANS

DATB SERIES 60×60×25 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #28 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 80.0g (2.82 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	hours
DATB0625_8E	-FG / RD	B	48	28 to 56	0.06	1.92	4200	0.659	23.29	5.23	0.206	150000
DATB0625_8L	-FG / RD	B	48	28 to 56	0.07	2.40	5000	0.785	27.73	7.42	0.292	140000
DATB0625_8M	-FG / RD	B	48	28 to 56	0.09	3.36	6000	0.954	33.68	10.46	0.412	140000
DATB0625_8H	-FG / RD	B	48	28 to 56	0.12	4.80	6800	1.104	38.98	13.20	0.520	105000
DATB0625_8U	-FG / RD	B	48	28 to 56	0.13	5.28	7400	1.203	42.49	16.00	0.63	105000
DATB0625_8S	-FG / RD	B	48	28 to 56	0.17	7.20	8200	1.324	46.76	19.40	0.764	70000
* DATB0625_8F	-FG / RD	B	48	28 to 56	0.21	9.12	9000	1.475	52.08	23.90	0.941	70000



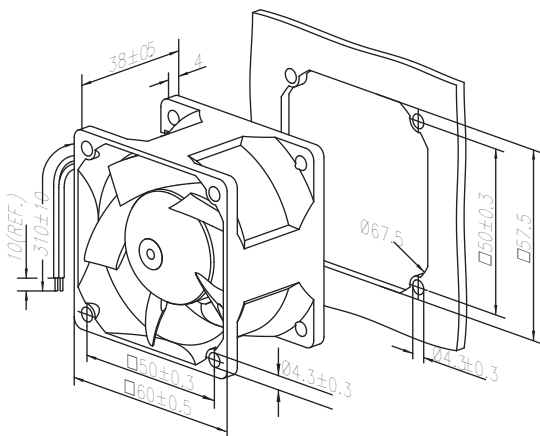
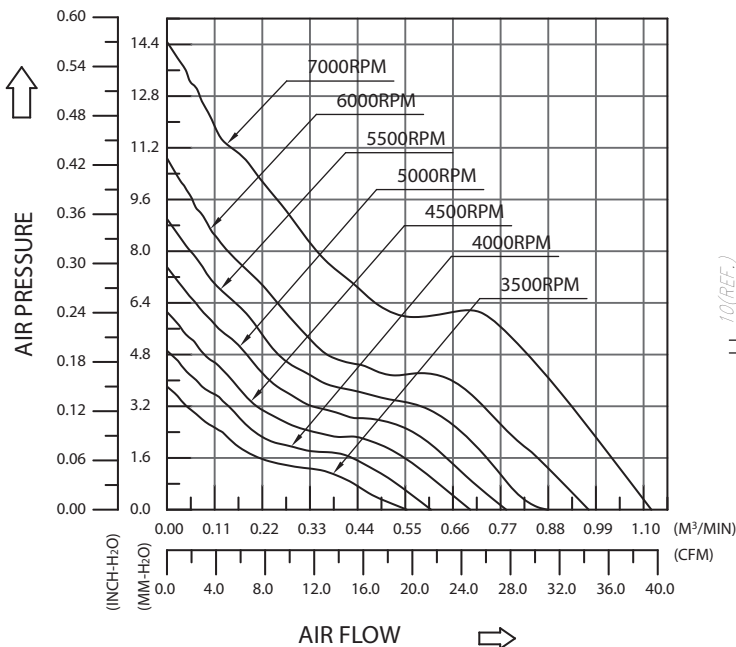
DC AXIAL FANS

DS SERIES 60×60×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 84g (2.96 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DS06038_12X	-FG/RD	R	12	7.0 to 13.2	0.30	3.60	3500	0.553	19.54	3.81	0.150	27.3	50000
DS06038_12E	-FG/RD	R	12	7.0 to 13.2	0.40	4.80	4000	0.609	21.52	4.92	0.194	31.4	50000
DS06038_12L	-FG/RD	R	12	7.0 to 13.2	0.45	5.40	4500	0.70	24.72	6.12	0.241	36.6	50000
DS06038_12M	-FG/RD	R	12	7.0 to 13.2	0.50	6.00	5000	0.783	27.65	7.51	0.296	37.8	50000
DS06038_12H	-FG/RD	R	12	7.0 to 13.2	0.70	8.40	5500	0.878	31.01	9.0	0.354	40.8	50000
DS06038_12U	-FG/RD	R	12	7.0 to 13.2	0.80	9.60	6000	0.973	34.37	10.88	0.428	44.5	50000
DS06038_12S	-FG/RD	R	12	7.0 to 13.2	1.00	12.00	7000	1.1179	39.48	14.48	0.570	48.8	50000

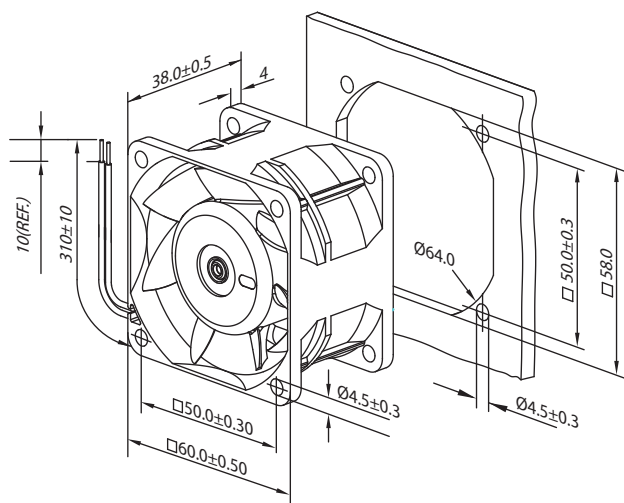
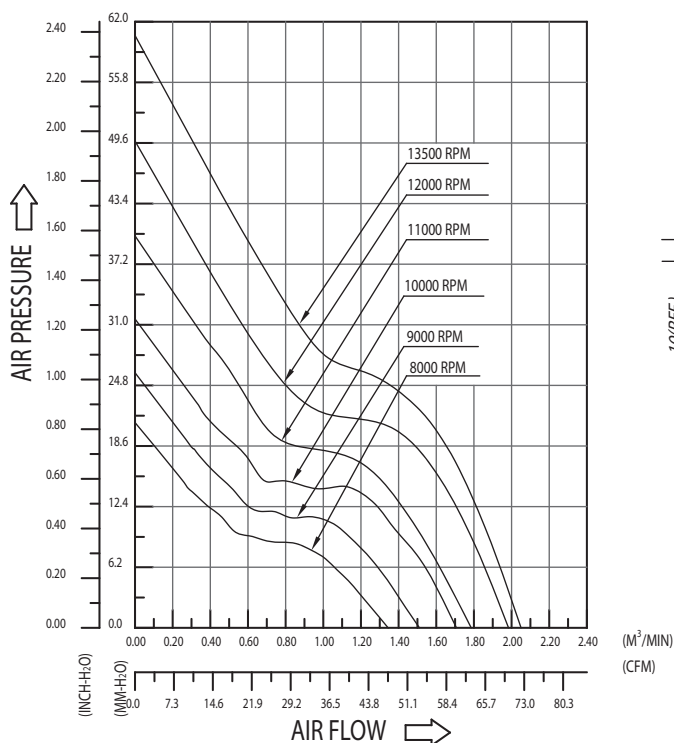


DC AXIAL FANS

2B SERIES 60×60×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 116g (4.09 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40 °C		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
2B06038_12L	-FG / RD	B	12	7.0 to 13.2	0.6	7.2	8000	1.297	45.80	22.00	0.87	51.5	110000
2B06038_12M	-FG / RD	B	12	7.0 to 13.2	0.8	9.6	9000	1.471	51.95	27.60	1.09	54.0	90000
2B06038_12H	-FG / RD	B	12	7.0 to 13.2	0.96	11.52	10000	1.637	57.80	34.50	1.36	57.0	70000
2B06038_12U	-FG / RD	B	12	7.0 to 13.2	1.15	13.8	11000	1.786	63.06	40.10	1.579	59.5	70000
2B06038_12S	-FG / RD	B	12	7.0 to 13.2	1.5	18	12000	1.984	70.06	49.80	1.96	61.5	70000
* 2B06038_12G	-FG / RD	B	12	7.0 to 13.2	1.8	21.6	13500	2.050	72.41	60.60	2.386	64.6	70000



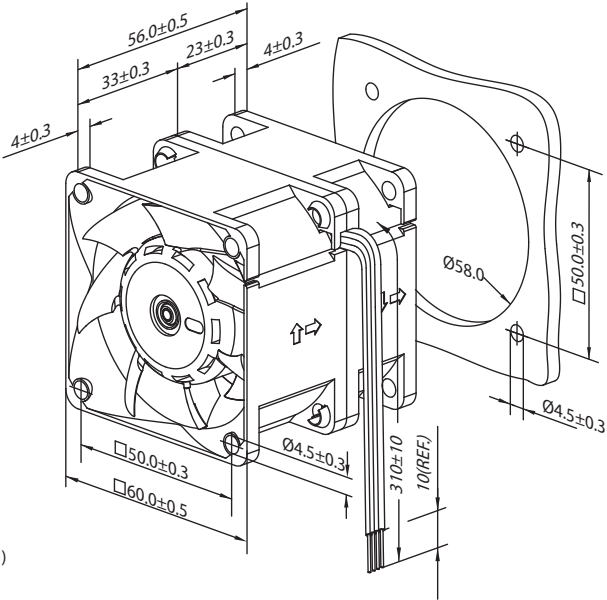
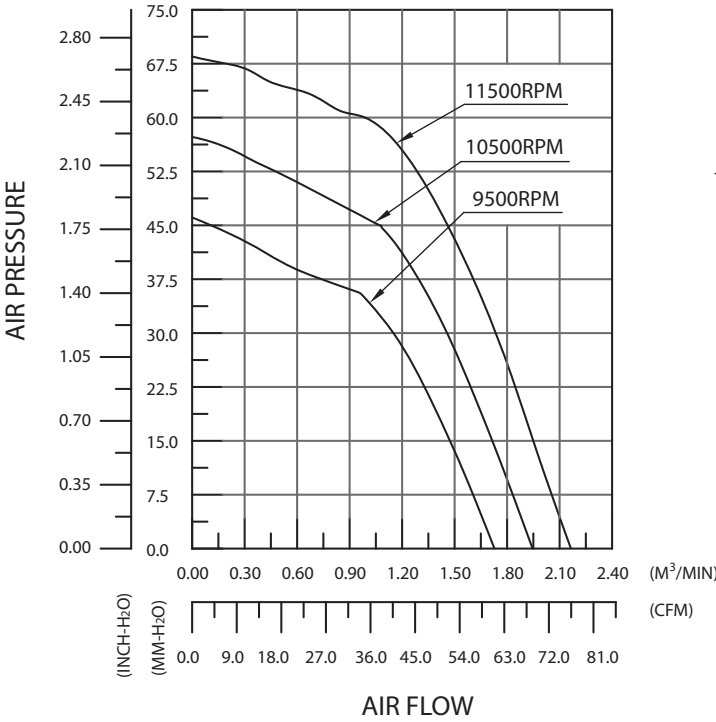
DC AXIAL FANS

DFTA SERIES 60×60×56 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades inlet, 3 Blades outlet
- * Rotational direction CCW view from front face
- * Weight: 182g (6.42 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DFTA0656_2U	-FG / RD	B	12	7.0 to 13.2	1.60	19.20	9500	1.727	60.99	46.10	1.815	69.0	70000
DFTA0656_2S	-FG / RD	B	12	7.0 to 13.2	2.26	27.12	10500	1.945	68.68	57.30	2.256	71.0	70000
* DFTA0656_2F	-FG / RD	B	12	7.0 to 13.2	3.13	37.56	11500	2.164	76.42	68.50	2.697	72.5	70000

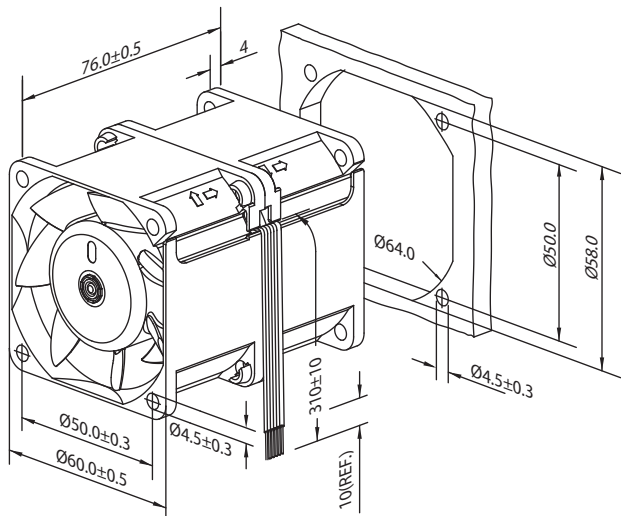
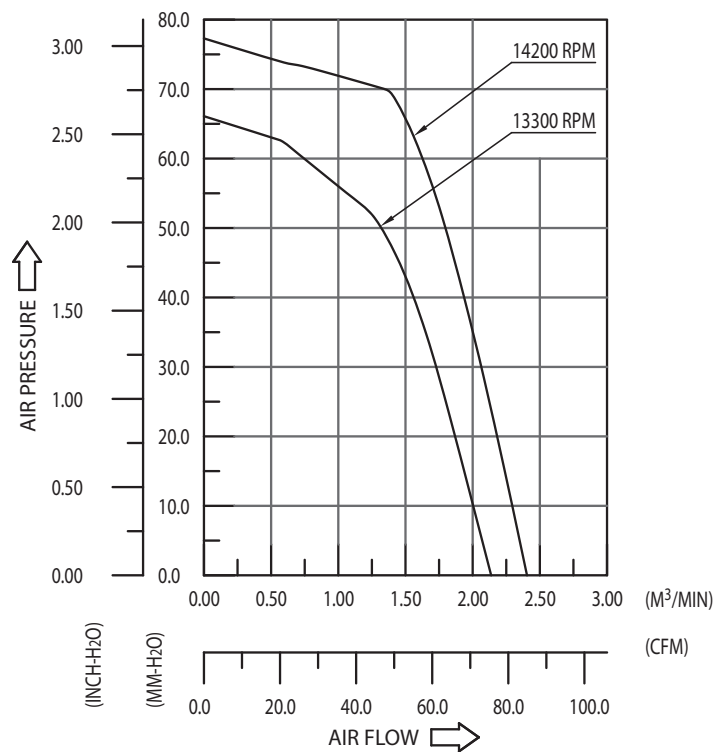


DC AXIAL FANS

DFTA SERIES
60×60×76 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades inlet, 5 Blades outlet
- * Rotational direction CCW view from front face
- * Weight: 253g (8.92 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DFTA0676_2U	-FG/RD	B	12	7.0 to 13.2	2.5	30	13300	2.137	75.49	66.10	2.602	70.5	70000
* DFTA0676_2S	-FG/RD	B	12	7.0 to 13.2	3.5	42	14200	2.404	84.91	77.30	3.043	71.5	70000



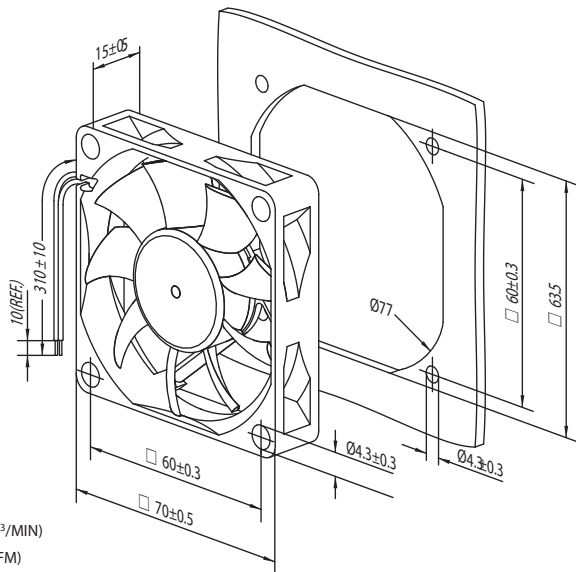
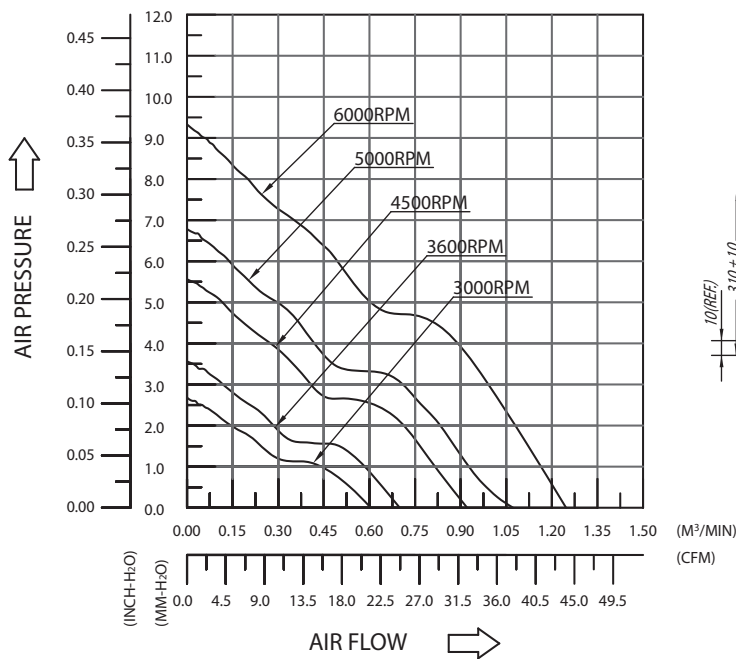
DC AXIAL FANS

DA SERIES 70×70×15 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 45g (1.59 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DA07015_12L	-FG/RD	B I R	12	7.0 to 13.2	0.30	3.60	3400	0.832	29.38	3.55	0.140	32.6	70000
DA07015_12M	-FG/RD	B I R	12	7.0 to 13.2	0.40	4.80	4100	0.962	33.96	5.19	0.204	38.3	70000
DA07015_12H	-FG/RD	B I R	12	7.0 to 13.2	0.50	6.00	4500	1.085	38.33	6.31	0.248	41.2	70000
DA07015_12U	-FG/RD	B I R	12	7.0 to 13.2	0.70	8.40	5400	1.275	45.01	8.90	0.350	46.1	70000



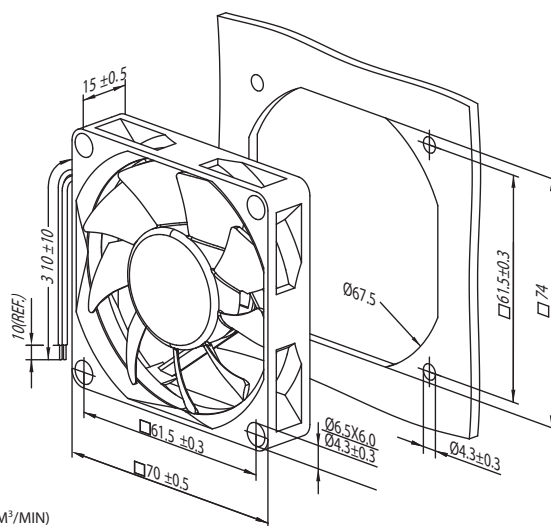
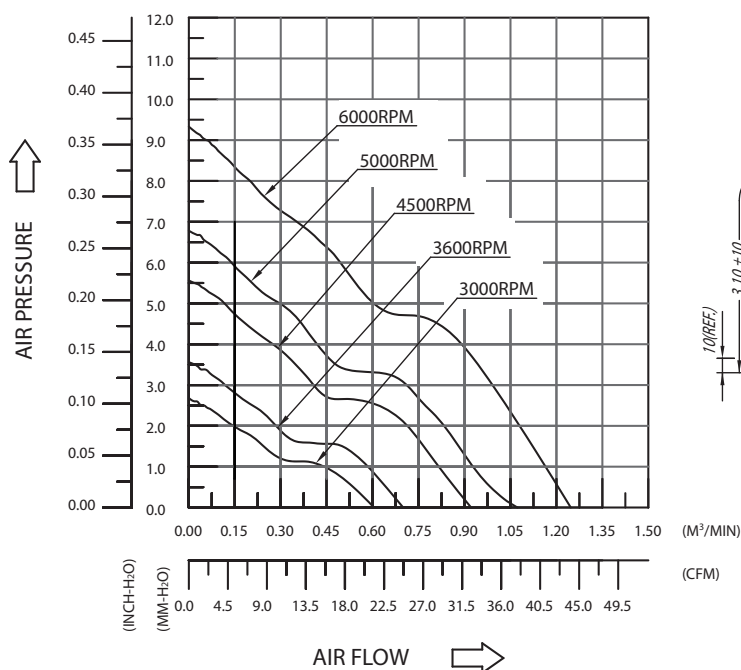


DC AXIAL FANS

DS SERIES 70×70×15 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 45g (1.59 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40℃		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DS07015_12E	-FG/RD	B I R	12	7.0 to 13.2	0.20	2.40	3000	0.623	22.0	2.68	0.106	26.5	70000
DS07015_12L	-FG/RD	B I R	12	7.0 to 13.2	0.30	3.60	3600	0.739	26.12	3.56	0.140	30.9	70000
* DS07015_12M	-FG/RD	B I R	12	7.0 to 13.2	0.40	4.80	4500	0.621	32.54	5.56	0.219	38.1	70000
DS07015_12H	-FG/RD	B I R	12	7.0 to 13.2	0.50	6.00	5000	1.072	37.88	6.78	0.267	40.2	70000
DS07015_12U	-FG/RD	B I R	12	7.0 to 13.2	0.70	8.40	6000	1.247	44.03	9.33	0.367	45.4	70000



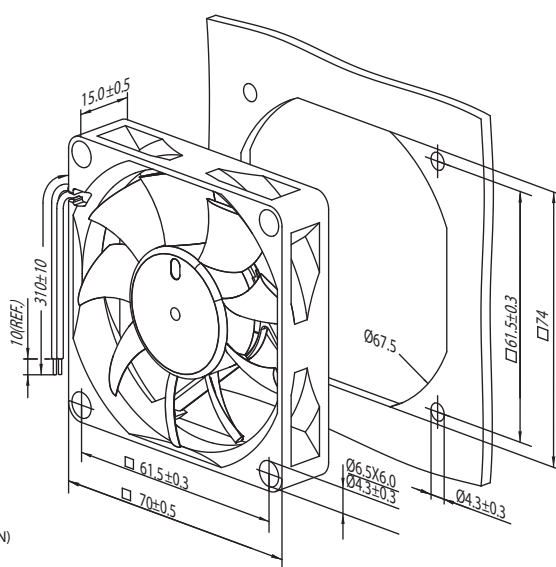
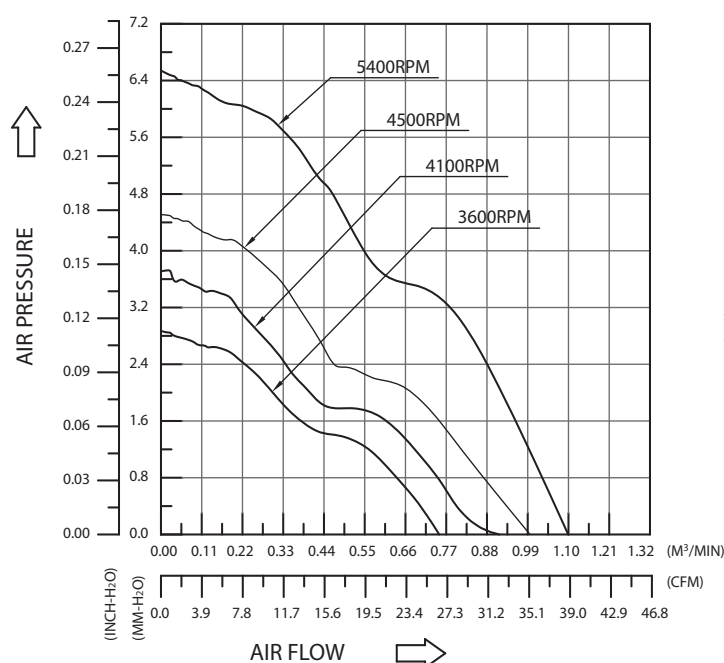


DC AXIAL FANS

DE SERIES
70×70×15 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 45g (1.59 OZ)

MODEL		Bearing Type		Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B	T	R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DE07015_12L	-FG/RD	<u>B</u>	<u>T</u>	<u>R</u>	12	7.0 to 13.2	0.30	3.60	3600	0.751	26.52	2.87	0.113	33.8	70000
DE07015_12M	-FG/RD	<u>B</u>	<u>T</u>	<u>R</u>	12	7.0 to 13.2	0.40	4.80	4100	03.914	32.26	3.71	0.146	36.9	70000
DE07015_12H	-FG/RD	<u>B</u>	<u>T</u>	<u>R</u>	12	7.0 to 13.2	0.50	6.00	4500	0.996	35.18	4.51	0.178	39.6	70000
* DE07015_12U	-FG/RD	<u>B</u>	<u>T</u>	<u>R</u>	12	7.0 to 13.2	0.70	8.40	5400	1.099	38.82	6.54	0.258	44.4	70000



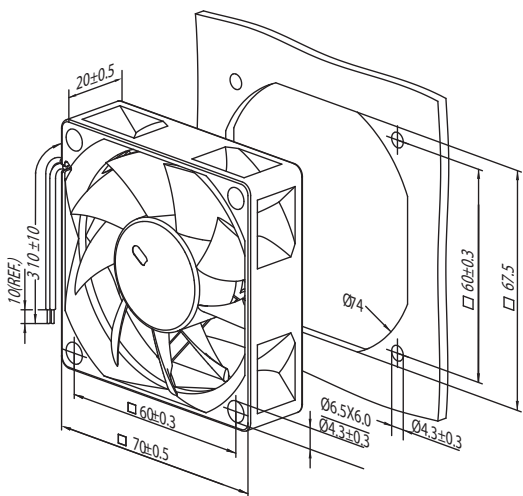
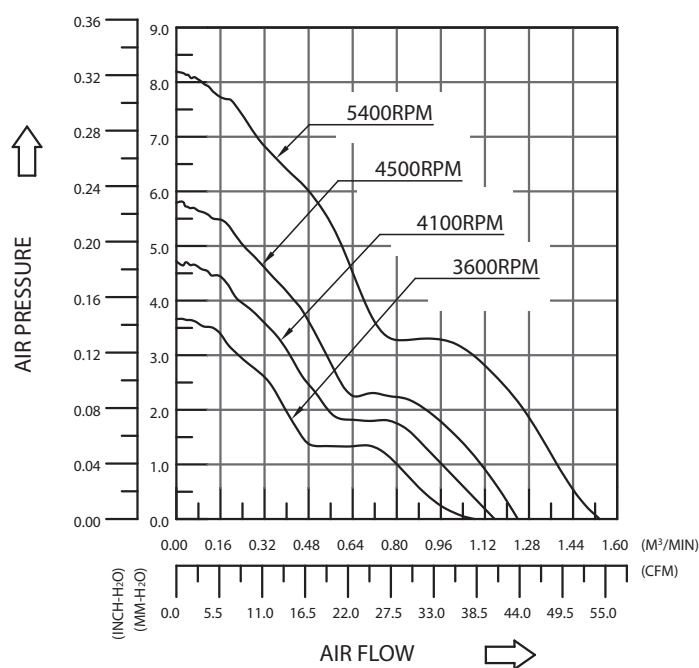
DC AXIAL FANS



DA SERIES 70×70×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 64g (2.26 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
DA07020_12L	-FG/RD	B I R	12	5.0 to 13.2	0.20	2.40	3600	1.082	38.2	3.66	0.144	36.7	70000	
* DA07020_12M	-FG/RD	B I R	12	5.0 to 13.2	0.30	3.60	4100	1.155	40.80	4.72	0.186	41.1	70000	
DA07020_12H	-FG/RD	B I R	12	5.0 to 13.2	0.33	3.96	4500	1.240	43.78	5.79	0.228	43.3	70000	
DA07020_12U	-FG/RD	B I R	12	5.0 to 13.2	0.70	8.40	5400	1.537	54.27	8.19	0.322	48.2	70000	



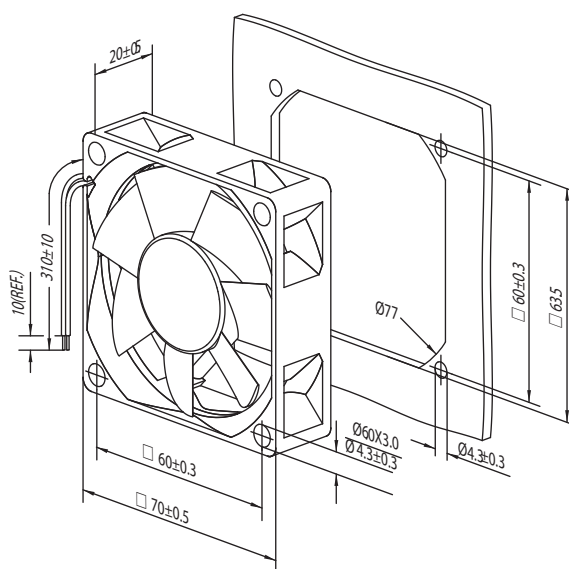
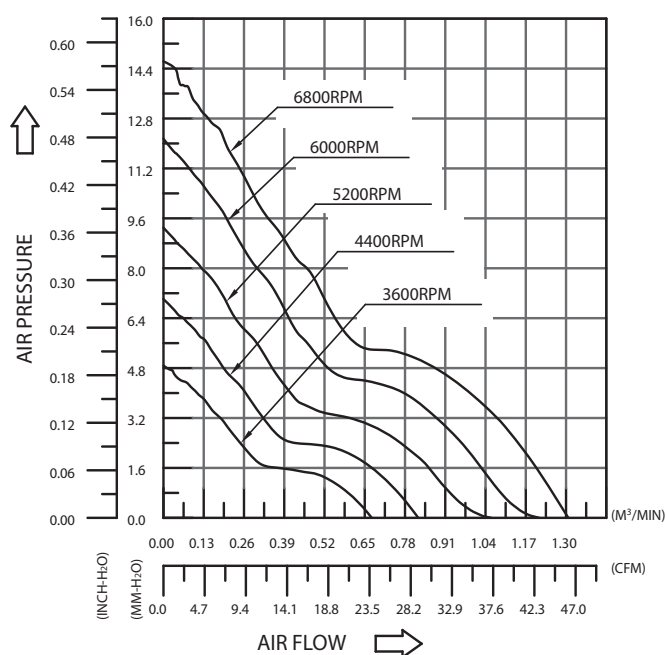


DC AXIAL FANS

DV SERIES
70×70×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 65g (2.29 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
DV07020_12E	-FG/RD	<u>B</u>	12	5.0 to 13.2	0.20	2.40	3600	0.673	23.76	4.88	0.192	33.1	70000	
DV07020_12L	-FG/RD	<u>B</u>	12	5.0 to 13.2	0.30	3.60	4400	0.823	29.06	7.01	0.276	39.4	70000	
DV07020_12M	-FG/RD	<u>B</u>	12	5.0 to 13.2	0.40	4.80	5200	1.059	37.39	9.30	0.366	43.2	70000	
DV07020_12H	-FG/RD	<u>B</u>	12	5.0 to 13.2	0.50	6.00	6000	1.213	42.85	12.15	0.478	47.7	70000	
DV07020_12U	-FG/RD	<u>B</u>	12	5.0 to 13.2	0.70	8.40	6800	1.307	46.17	14.63	0.576	50.6	70000	



DC AXIAL FANS

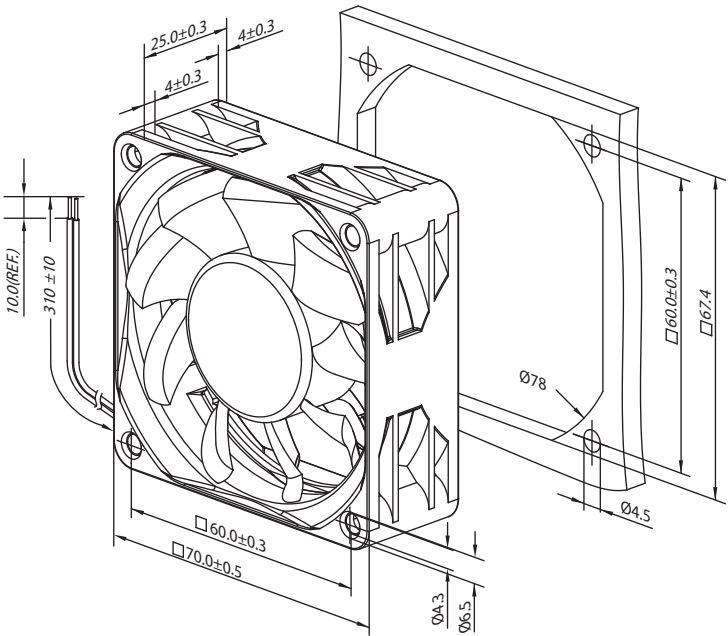
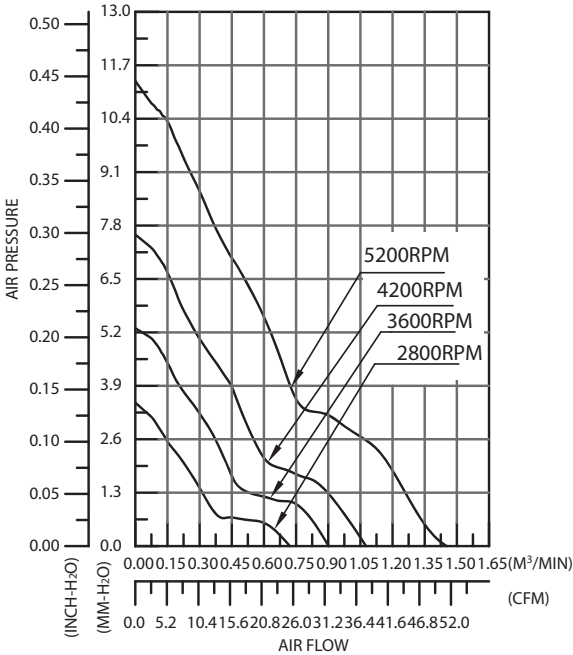
DY SERIES 70×70×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight :75g (2.645 OZ)



MODEL		Bearing Type	Rated Voltage		Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
F7025_12EX	FG	B	12	10.8 to 13.2	10.8 to 13.2	0.20	2.40	2800	0.721	25.46	3.49	0.137	27.9	70000	
F7025_12LX	FG	B	12	10.8 to 13.2	10.8 to 13.2	0.25	3.00	3600	0.902	31.85	5.30	0.209	32.2	70000	
F7025_12MX	FG	B	12	10.8 to 13.2	10.8 to 13.2	0.35	4.20	4200	1.077	38.01	7.58	0.298	38.8	70000	
F7025_12HX	FG	B	12	10.8 to 13.2	10.8 to 13.2	0.70	8.40	5200	1.481	52.29	11.32	0.446	43.6	70000	

*P & Q CURVE (AT RATED VOLTAGE):



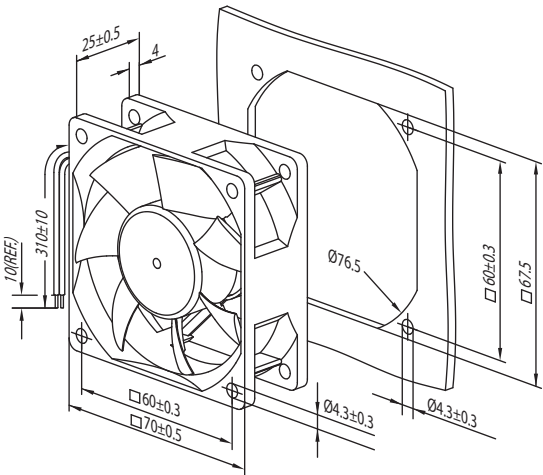
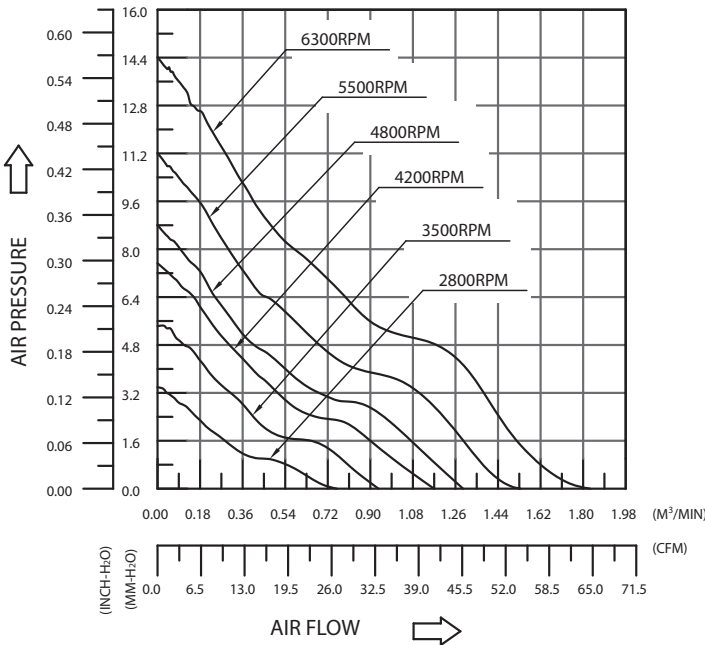
DC AXIAL FANS

DS SERIES
70×70×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 67g (2.36 OZ)



MODEL		Bearing Type		Rated Voltage		Operating Voltage Range		Rated Current		Rated Input Power		Speed		Maximum Air Flow		Maximum Air Pressure		Acoustic Noise		Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B	T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours							
DS07025_12L	-FG/RD	B	R	12	5.0 to 13.2	0.20	2.40	2800	0.759	26.79	3.39	0.133	27.7	70000							
DS07025_12L	-FG/RD	B	R	12	5.0 to 13.2	0.30	3.50	3500	0.934	33.0	5.43	0.214	34.1	70000							
DS07025_12M	-FG/RD	B	R	12	5.0 to 13.2	0.40	4.80	4200	1.169	41.30	7.53	0.296	39.3	70000							
DS07025_12H	-FG/RD	B	R	12	5.0 to 13.2	0.50	6.00	4800	1.292	45.64	8.81	0.347	43.6	70000							
* DS07025_12U	-FG/RD	B	R	12	5.0 to 13.2	0.70	8.40	5500	1.534	54.18	11.21	0.441	47.7	70000							
DS07025_12S	-RD/RD	B		12	5.0 to 13.2	0.80	9.60	6300	1.430	64.62	14.42	0.568	50.8	70000							



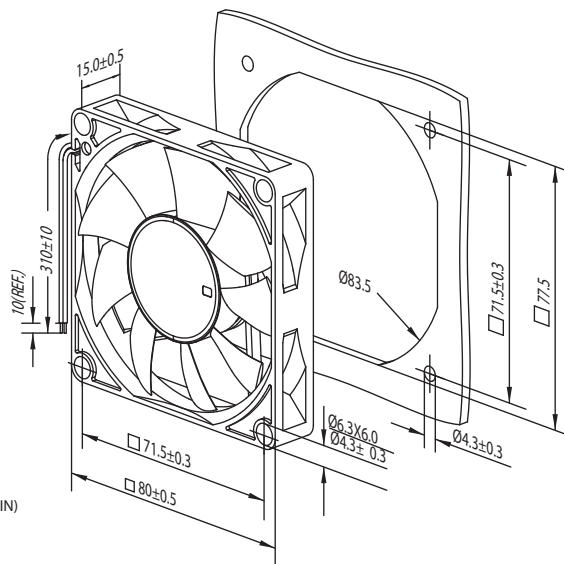
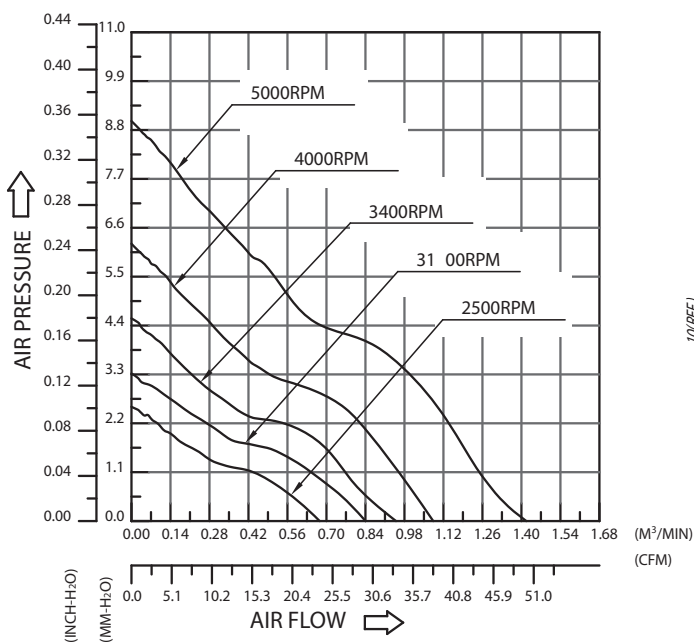


DC AXIAL FANS

DS SERIES
80×80×15 mm 12v,24v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 55g (1.45 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DS08015_12L	-FG/RD	B I	12	5.0 to 13.2	0.42	5.04	2500	0.676	23.86	2.57	0.101	27.2	70000
* DS08015_12M	-FG/RD	B I	12	5.0 to 13.2	0.48	5.76	3400	0.950	33.54	4.56	0.180	35.1	70000
DS08015_12H	-FG/RD	B I	12	5.0 to 13.2	0.50	6.00	4000	1.083	38.26	6.24	0.246	39.8	70000
DS08015_12U	-FG/RD	B I	12	5.0 to 13.2	0.60	7.20	5000	1.398	49.35	9.27	0.365	45.5	70000
DS08015_24M	-FG/RD	B	24	10.0 to 26.4	0.38	9.12	3100	0.840	29.68	3.32	0.131	31.4	70000



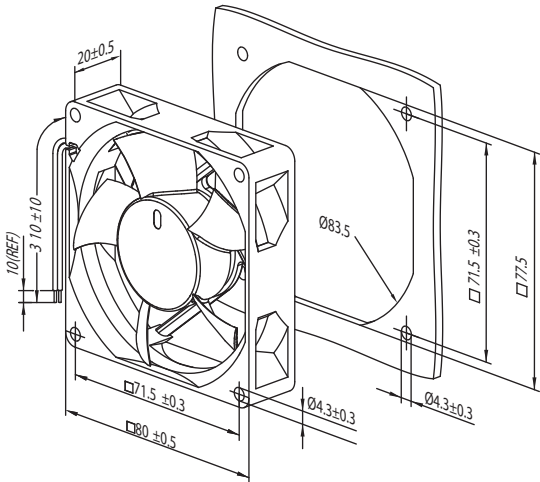
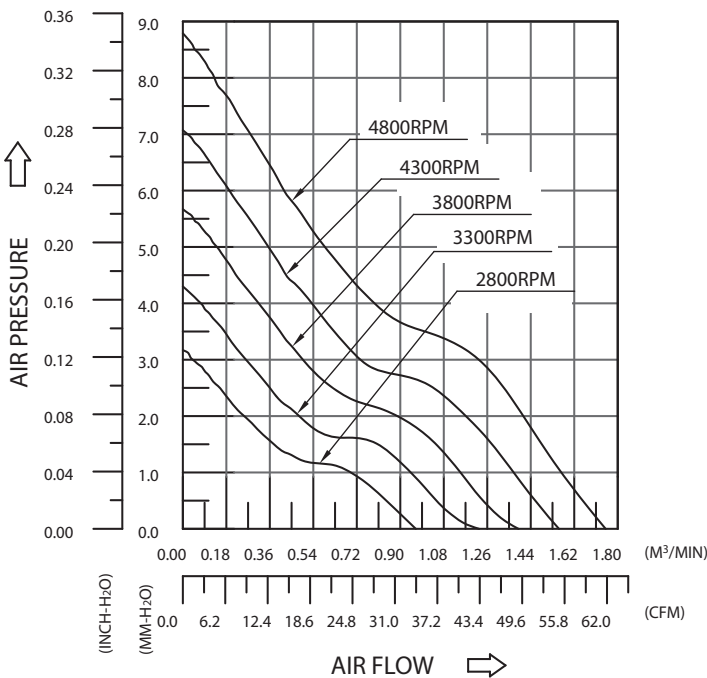


DC AXIAL FANS

DA SERIES
80×80×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 77g (2.72 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40 °C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
DA08020_12E	-FG/RD	B I R	12	5.0 to 13.2	0.15	1.80	2800	0.964	34.05	3.17	0.125	31.4	70000	
DA08020_12L	-FG/RD	B I R	12	5.0 to 13.2	0.21	2.52	3300	1.226	43.30	4.30	0.169	35.5	70000	
DA08020_12M	-FG/RD	B I R	12	5.0 to 13.2	0.28	3.36	3800	1.389	49.06	5.67	0.223	40.3	70000	
DA08020_12H	-FG/RD	B I R	12	5.0 to 13.2	0.35	4.20	4300	1.557	54.98	7.07	0.278	43.9	70000	
* DA08020_12U	-FG/RD	B I R	12	5.0 to 13.2	0.46	5.52	4800	1.750	61.80	8.79	0.346	47.6	70000	



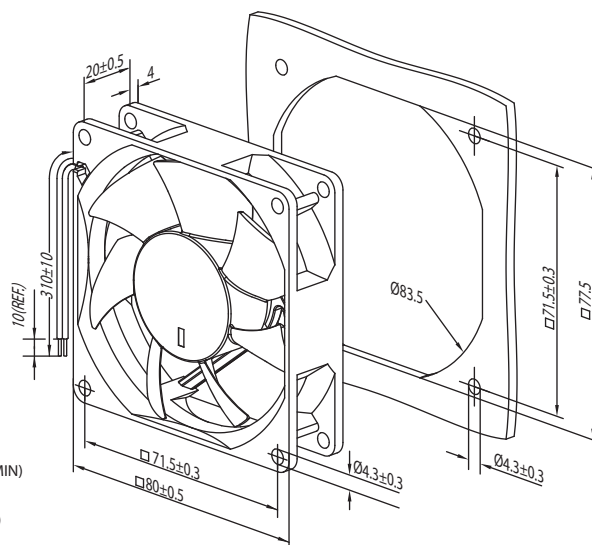
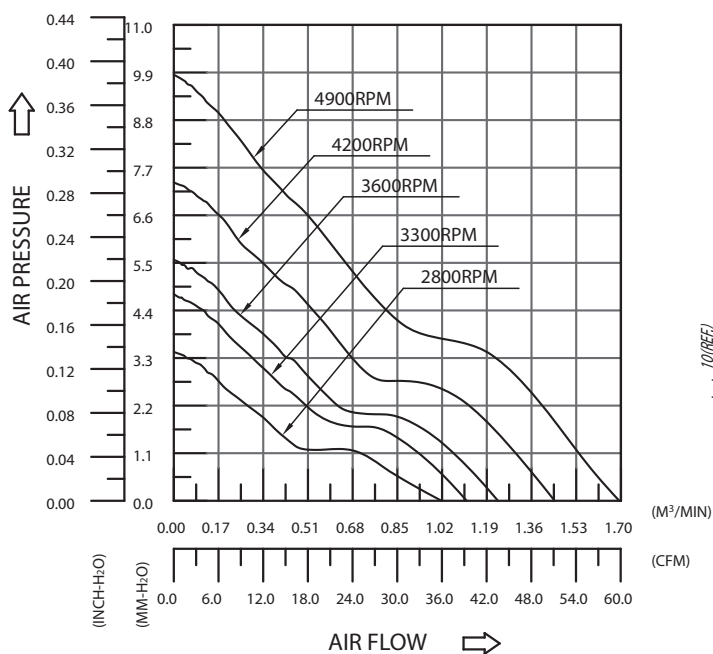
DC AXIAL FANS

DS SERIES 80×80×20 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 70g (2.47 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DS08020_12E	-FG/RD	B I R	12	5.0 to 13.2	0.20	2.40	2800	1.018	35.95	3.44	0.135	32.2	70000
DS08020_12L	-FG/RD	B I R	12	5.0 to 13.2	0.30	3.60	3300	1.114	39.33	4.78	0.188	37.2	70000
* DS08020_12M	-FG/RD	B I R	12	5.0 to 13.2	0.40	4.80	3600	1.233	43.53	5.57	0.219	40.1	70000
DS08020_12H	-FG/RD	B I R	12	5.0 to 13.2	0.50	6.00	4200	1.448	51.14	7.36	0.290	44.2	70000
DS08020_12U	-FG/RD	B I	12	5.0 to 13.2	0.60	7.20	4900	1.694	59.82	9.85	0.388	48.3	70000



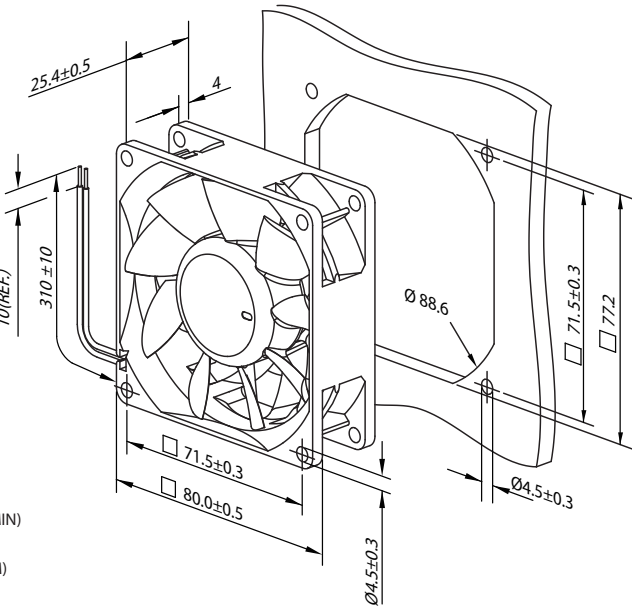
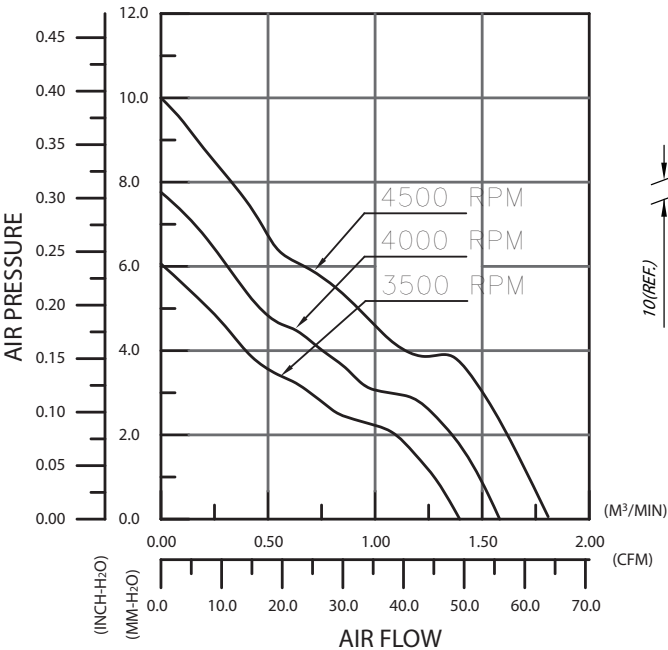
DC AXIAL FANS

DBTA SERIES 80×80×25 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 90g (3.17 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DBTA0825_2M	-FG / RD	B	12	7.0 to 13.2	0.19	2.28	3500	1.395	49.27	6.06	0.239	42.0	130000
DBTA0825_2H	-FG / RD	B	12	7.0 to 13.2	0.25	3.00	4000	1.582	55.86	7.76	0.306	44.5	130000
* DBTA0825_2U	-FG / RD	B	12	7.0 to 13.2	0.34	4.08	4500	1.808	63.85	10.00	0.394	48.0	130000
DBTA0825_8M	-FG / RD	B	48	36.0 to 56.0	0.05	2.40	3500	1.395	49.27	6.06	0.239	42.0	130000
DBTA0825_8H	-FG / RD	B	48	36.0 to 56.0	0.07	3.36	4000	1.582	55.86	7.76	0.306	44.5	130000
* DBTA0825_8U	-FG / RD	B	48	36.0 to 56.0	0.10	4.80	4500	1.808	63.85	10.00	0.394	48.0	130000



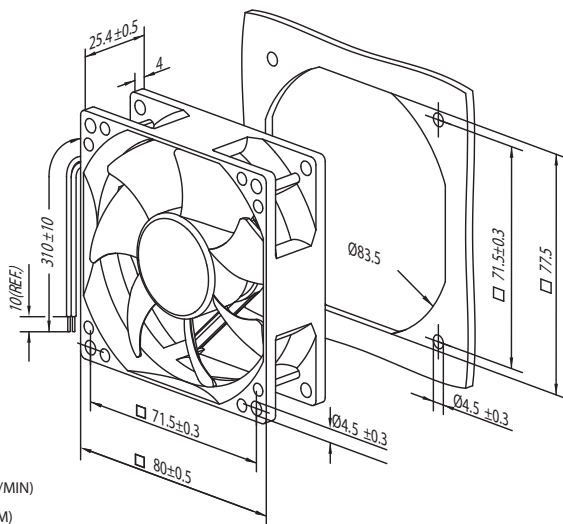
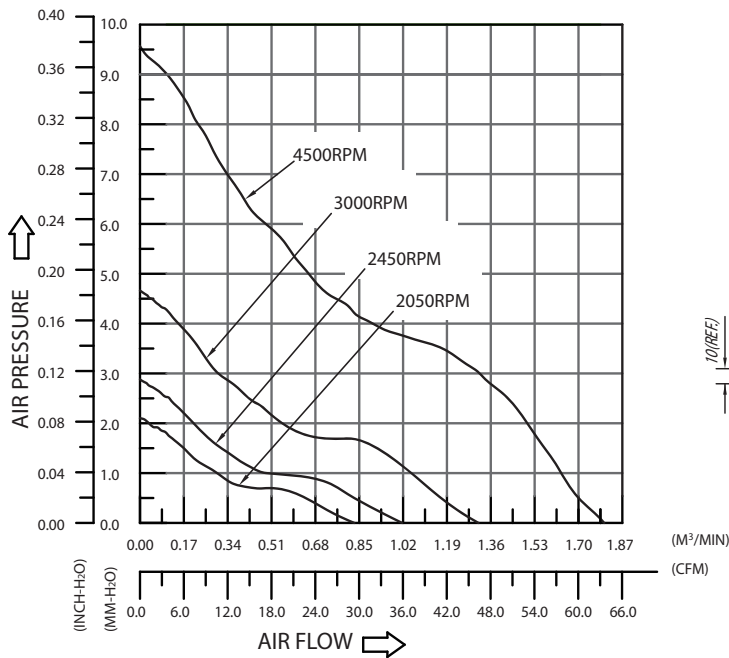


DC AXIAL FANS

DS SERIES
80×80×25 mm 12v,24v

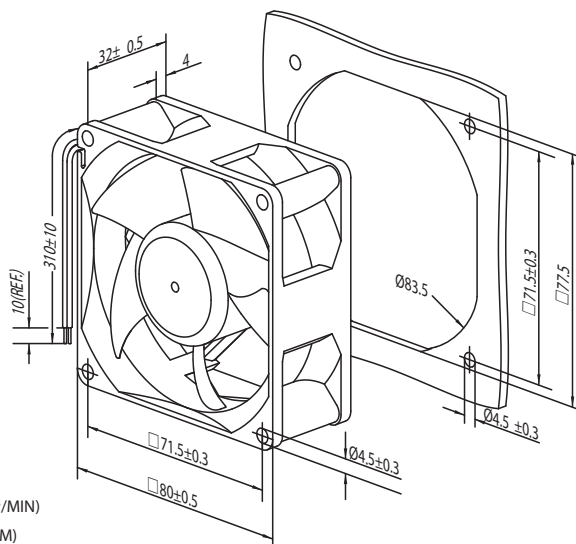
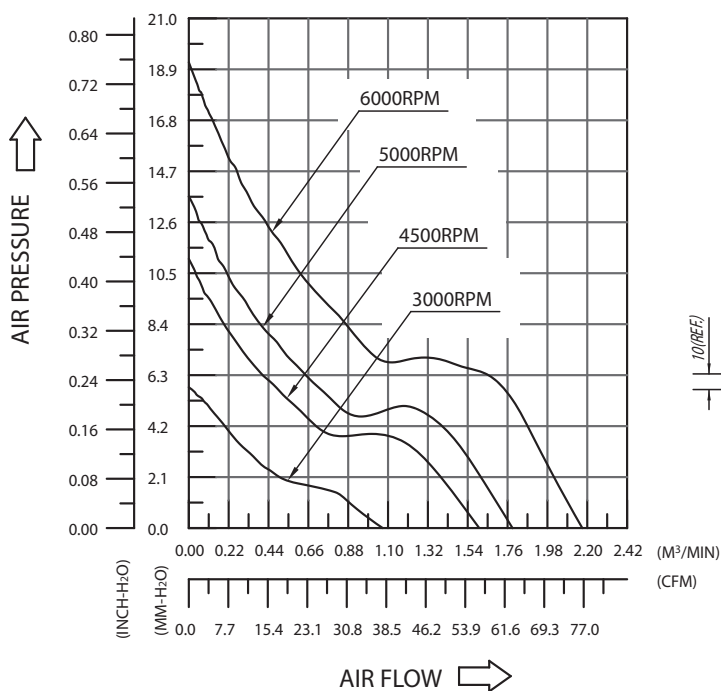
- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 68g (2.4 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DS08025_12L	-FG/RD	B I R	12	7.0 to 13.2	0.15	1.80	2050	0.831	29.34	2.10	0.083	24.9	70000
DS08025_12M	-FG/RD	B I R	12	7.0 to 13.2	0.23	2.76	2450	1.016	35.89	2.88	0.113	29.6	70000
DS08025_12H	-FG/RD	B I R	12	7.0 to 13.2	0.30	3.60	3000	1.246	44.02	4.43	0.174	34.5	70000
* DS08025_12U	-FG/RD	B I R	12	7.0 to 13.2	0.70	8.40	4500	1.824	64.44	9.73	0.383	46.0	70000
DS08025_24H	-FG/RD	B	24	10.0 to 26.4	7.20	7.20	3000	1.246	44.02	4.43	0.174	34.5	70000



- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 120g (4.23 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DASA0832_12E	-FG/RD	B	12	4.0 to 13.2	0.30	3.60	3000	1.081	38.17	5.02	0.198	30.6	70000
DASA0832_12L	-FG/RD	B	12	4.0 to 13.2	0.40	4.80	4000	1.406	49.65	8.82	0.347	39.2	70000
DASA0832_12M	-FG/RD	B	12	4.0 to 13.2	0.70	8.40	4800	1.710	60.40	11.38	0.448	44.9	70000
DASA0832_12H	-FG/RD	B	12	4.0 to 13.2	0.80	9.60	5500	1.956	69.09	15.53	0.611	48.4	70000
DASA0832_12U	-FG/RD	B	12	4.0 to 13.2	1.00	12.0	6800	2.454	86.67	22.57	0.889	53.9	70000



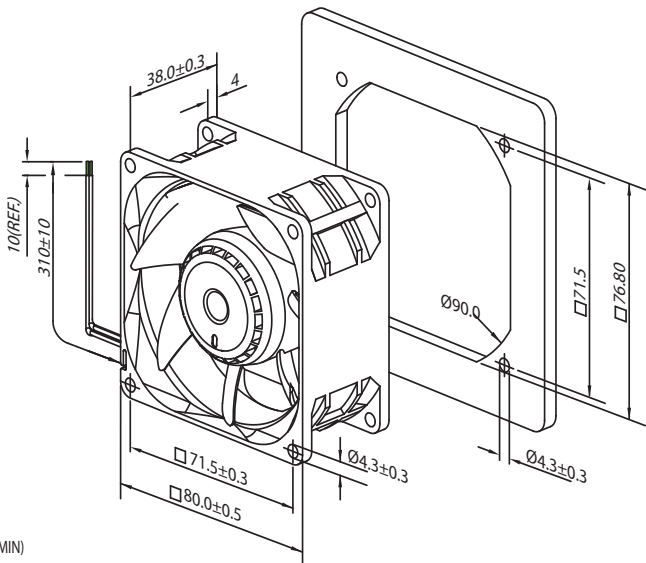
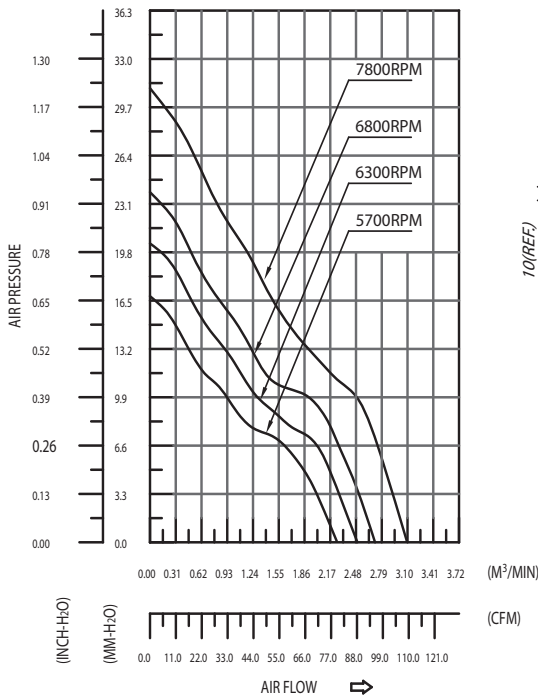


DC AXIAL FANS

DATA SERIES
80×80×38 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 186g (6.56 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DATA0838_2H	-FG/RD	B	12	7 to 13.2	0.67	8.0	5700	2.247	79.36	16.80	0.661	49.0	130000
DATA0838_2U	-FG/RD	B	12	7 to 13.2	0.85	10.2	6300	2.496	88.16	20.40	0.803	52.0	130000
* DATA0838_2S	-FG/RD	B	12	7 to 13.2	1.22	14.6	6800	2.709	95.67	23.90	0.941	54.5	110000
DATA0838_2F	-FG/RD	B	12	7 to 13.2	1.7	20.4	7800	3.093	109.3	31.00	1.220	57.5	110000
DATA0838_8H	-FG/RD	B	48	36 to 60	0.18	8.6	5700	2.247	79.36	16.80	0.661	49.0	130000
DATA0838_8U	-FG/RD	B	48	36 to 60	0.22	10.6	6300	2.496	88.16	20.40	0.803	52.0	130000
* DATA0838_8S	-FG/RD	B	48	36 to 60	0.32	15.4	6800	2.709	95.67	23.90	0.941	54.5	110000



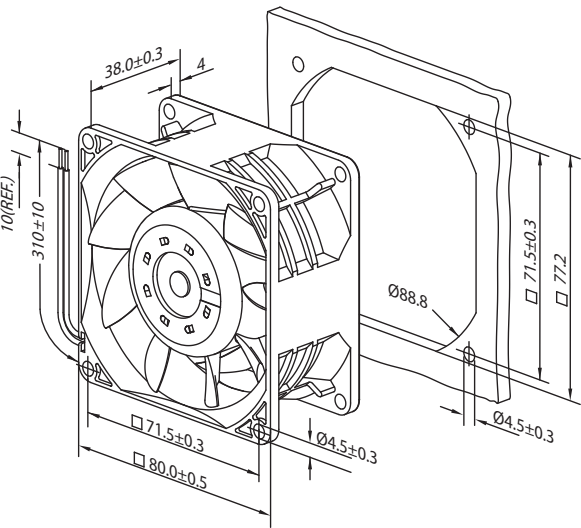
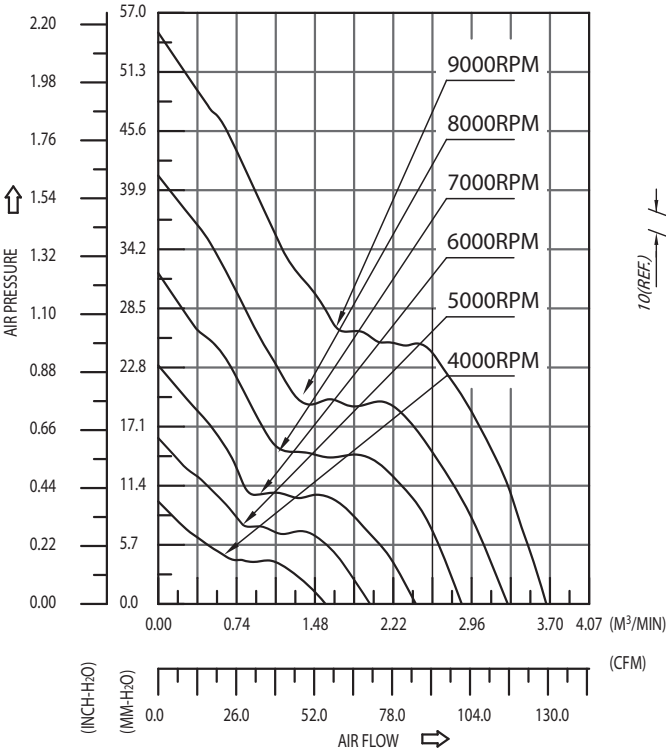


DC AXIAL FANS

2B SERIES 80×80×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 190g (6.7 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
2B08038_12E	-FG/RD	B	12	7 to 13.2	0.34	4.08	4000	1.58	55.79	9.88	0.39	44.3	130000
2B08038_12L	-FG/RD	B	12	7 to 13.2	0.58	6.69	5000	2.00	70.64	16.0	0.63	52.3	130000
2B08038_12M	-FG/RD	B	12	7 to 13.2	0.92	11.04	6000	2.43	85.93	23.0	0.91	55.9	110000
2B08038_12H	-FG/RD	B	12	7 to 13.2	1.42	17.04	7000	2.86	101.11	31.9	1.26	60.4	110000
2B08038_12U	-FG/RD	B	12	7 to 13.2	2.2	26.4	8000	3.29	116.46	41.3	1.62	62.8	110000
* 2B08038_12S	-FG/RD	B	12	7 to 13.2	3.2	38.4	9000	3.67	129.46	55.1	2.17	65.5	100000



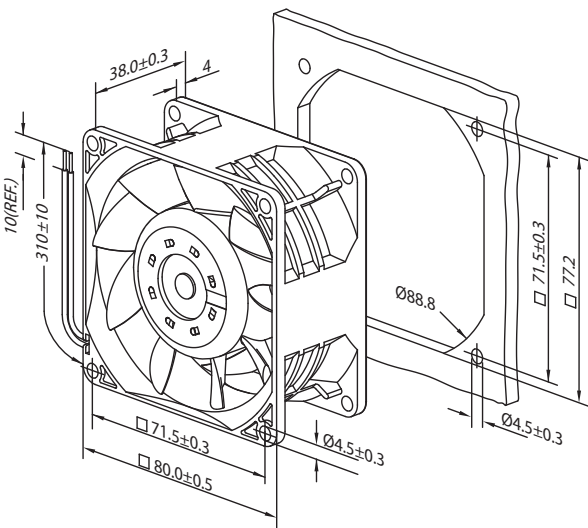
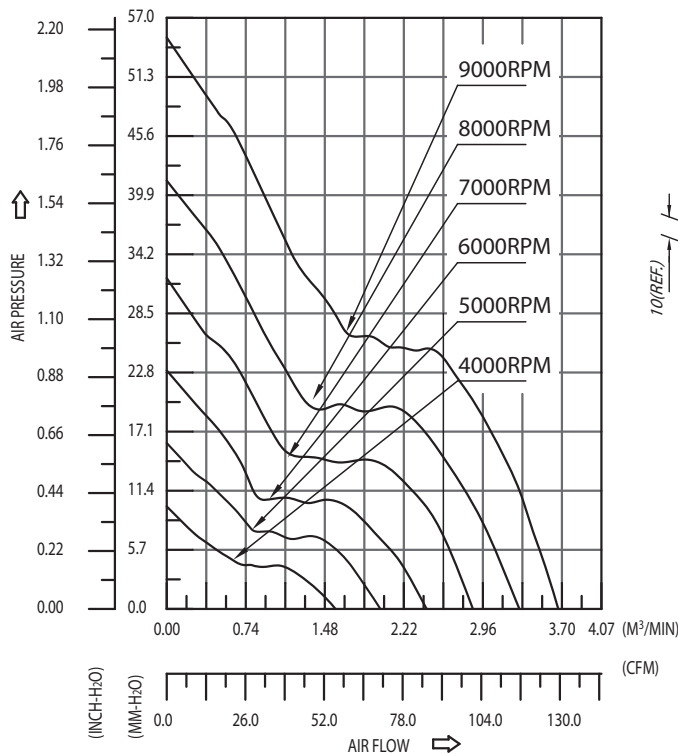


DC AXIAL FANS

2B SERIES
80×80×38 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 190g (6.7 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
2B08038_48E	-FG/RD	B	48	28 to 56	0.09	4.32	4000	1.58	55.79	9.88	0.39	44.3	130000
2B08038_48L	-FG/RD	B	48	28 to 56	0.14	6.72	5000	2.00	70.64	16.0	0.63	52.3	130000
2B08038_48M	-FG/RD	B	48	28 to 56	0.22	10.56	6000	2.43	85.93	23.0	0.91	55.9	110000
2B08038_48H	-FG/RD	B	48	28 to 56	0.34	16.32	7000	2.86	101.11	31.9	1.26	60.4	110000
2B08038_48U	-FG/RD	B	48	28 to 56	0.48	23.04	8000	3.29	116.46	41.3	1.62	62.8	110000
* 2B08038_48S	-FG/RD	B	48	28 to 56	0.75	36	9000	3.67	129.46	55.1	2.17	65.5	100000



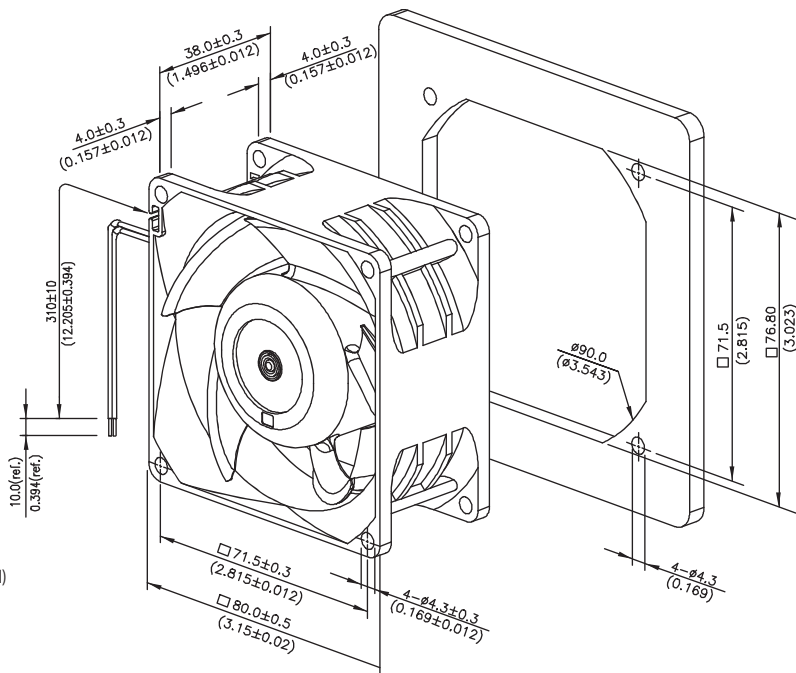
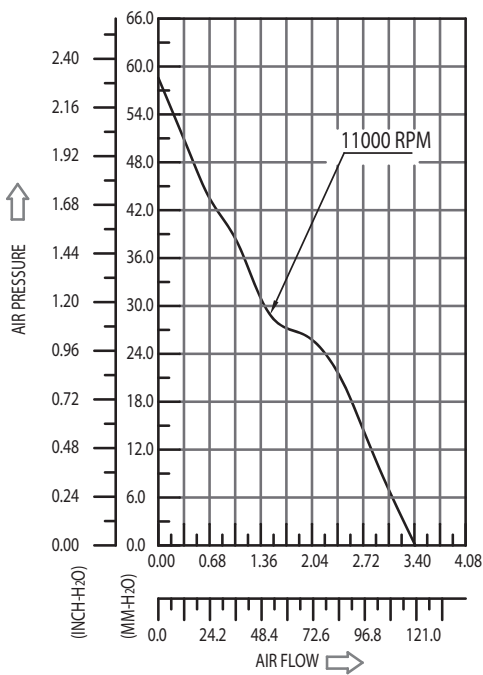


DC AXIAL FANS

DYTB SERIES 80×80×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #22 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 210g (7.41OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DYTB0838_2S	-FG/RD	B	12	7 to 13.2	1.85	22.2	11000	3.416	120.65	58.8	2.315	64.0	70000



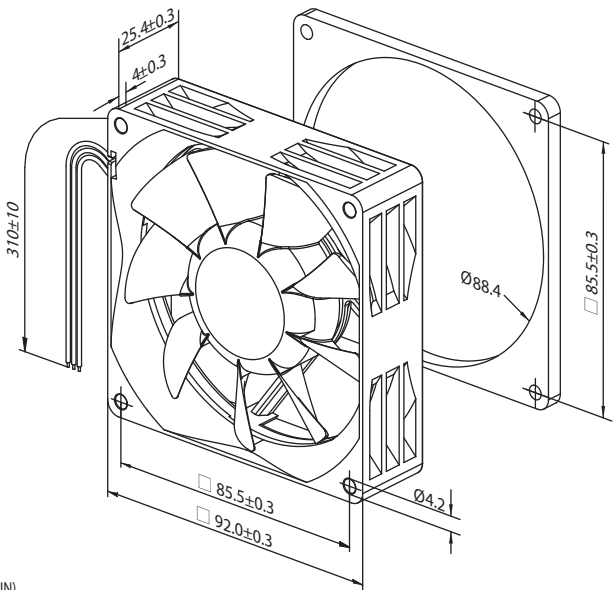
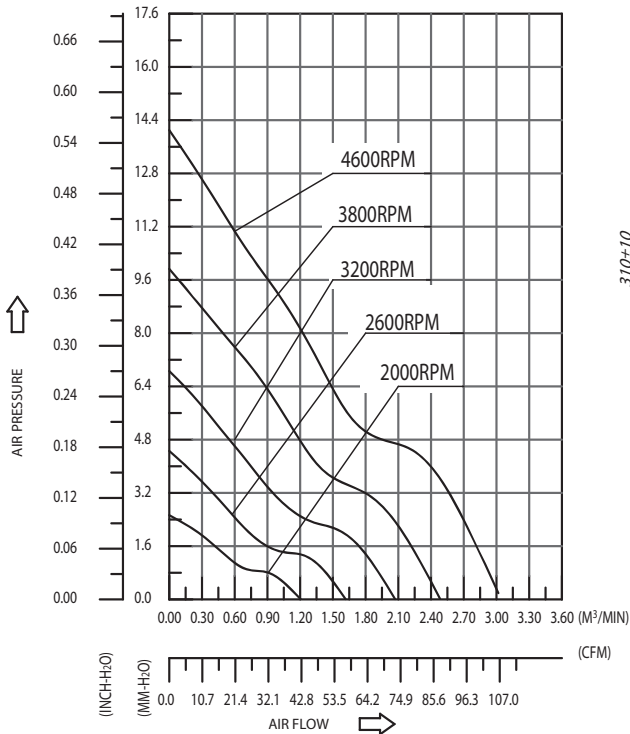


DC AXIAL FANS

DAKA SERIES 92×92×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 132g (4.65 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DAKA0925_2E	FG	B	12	5 to 13.2	0.3	3.6	2000	1.204	42.51	2.53	0.100	30.02	70000
DAKA0925_2L	FG	B	12	5 to 13.2	0.5	6	2600	1.617	57.07	4.46	0.176	37.77	70000
DAKA0925_2M	FG	B	12	5 to 13.2	0.8	9.6	3200	2.071	73.10	6.86	0.270	43.33	70000
DAKA0925_2H	FG	B	12	5 to 13.2	1.2	14.4	3800	2.484	87.66	9.93	0.391	48.66	70000
DAKA0925_2U	FG	B	12	5 to 13.2	2.0	24	4600	3.019	106.55	14.10	0.551	54.12	70000



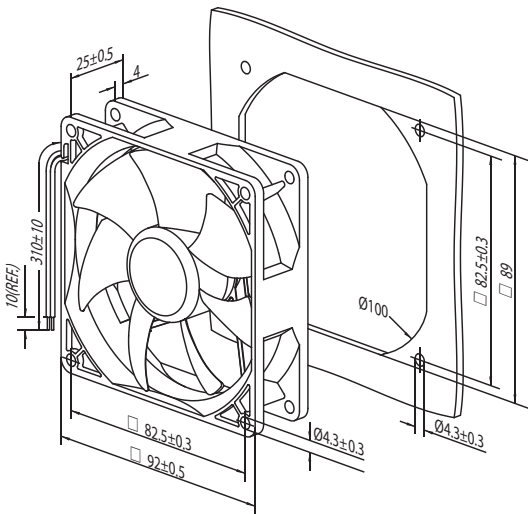
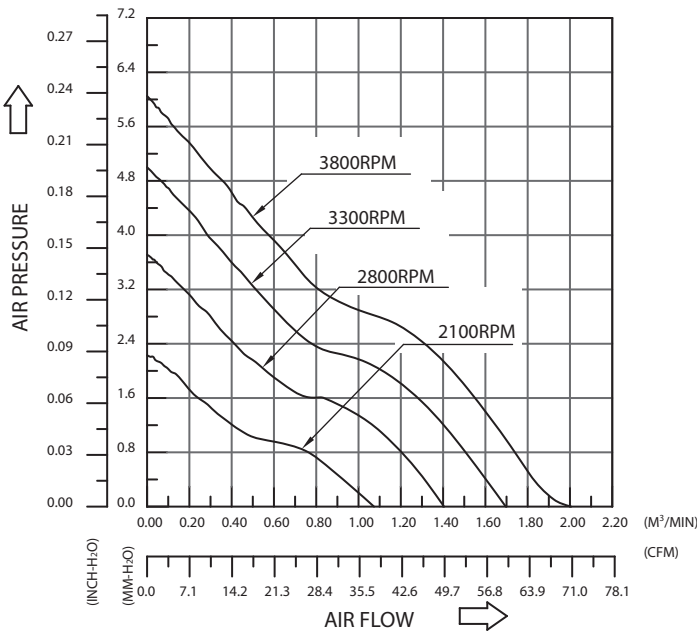
DC AXIAL FANS



DL SERIES 92×92×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 90g (3.17 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
DL09225_12E	-FG/RD	R	12	7 to 13.2	0.15	1.80	2100	1.073	37.90	2.23	0.088	26.2	70000	
DL09225_12M	-FG/RD	R	12	7 to 13.2	0.25	3.00	2800	0.405	49.60	3.71	0.146	34.6	70000	
DL09225_12H	-FG/RD	R	12	7 to 13.2	0.35	4.20	3300	1.696	59.91	5.01	0.197	39.8	70000	
DL09225_12U	-FG/RD	R	12	7 to 13.2	0.50	6.00	3800	2.005	70.82	6.05	0.238	43.7	70000	



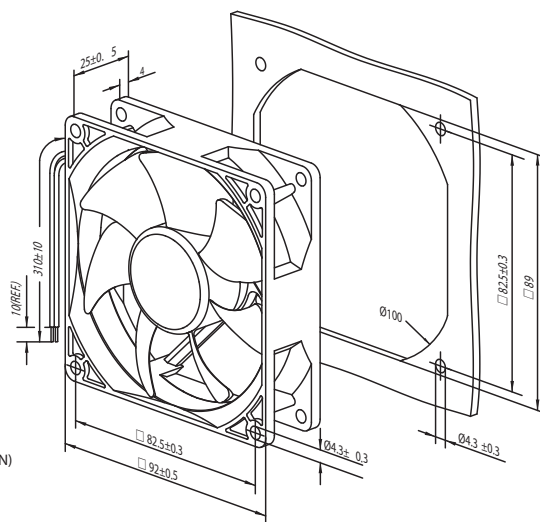
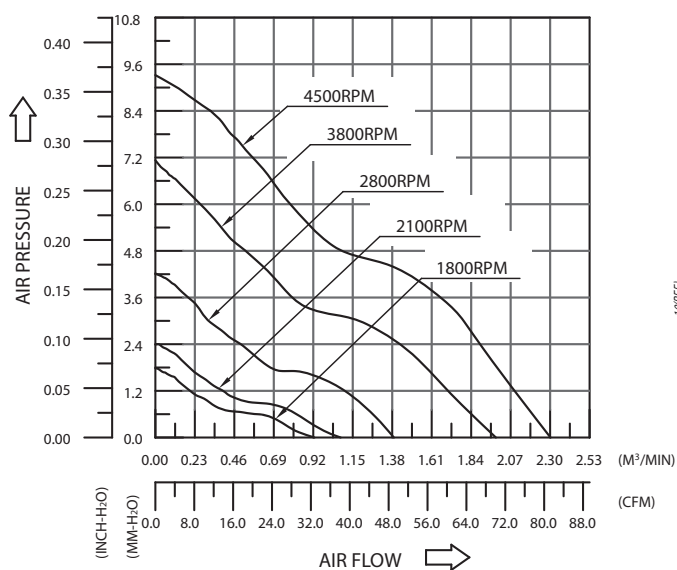


DC AXIAL FANS

DS SERIES
92×92×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 90g (3.170 OZ)

ASIA VITAL COMPONENTS CO., LTD. SixSigma														
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
DS09225_12E	-FG/RD	<u>B</u> <u>T</u> <u>R</u>	12	7.0 to 13.2	0.15	1.8	1800	0.926	32.71	1.78	0.070	23.6	70000	
DS09225_12L	-FG/RD	<u>B</u> <u>T</u> <u>R</u>	12	7.0 to 13.2	0.20	2.4	2100	1.079	38.11	2.39	0.094	26.6	70000	
DS09225_12M	-FG/RD	<u>B</u> <u>T</u> <u>R</u>	12	7.0 to 13.2	0.35	4.2	2800	1.389	49.07	4.22	0.166	36.2	70000	
DS09225_12H	-FG/RD	<u>B</u> <u>T</u> <u>R</u>	12	7.0 to 13.2	0.5	6.0	3800	1.983	67.44	7.00	0.276	44.1	70000	
DS09225_12U	-FG/RD	<u>B</u> <u>T</u> <u>R</u>	12	7.0 to 13.2	0.7	8.4	4500	2.250	79.47	10.03	0.395	49.6	70000	

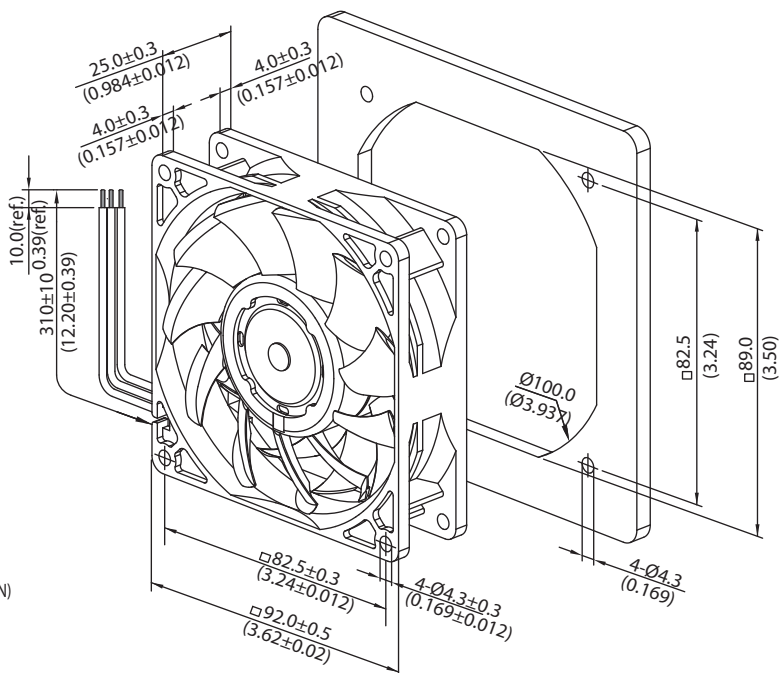
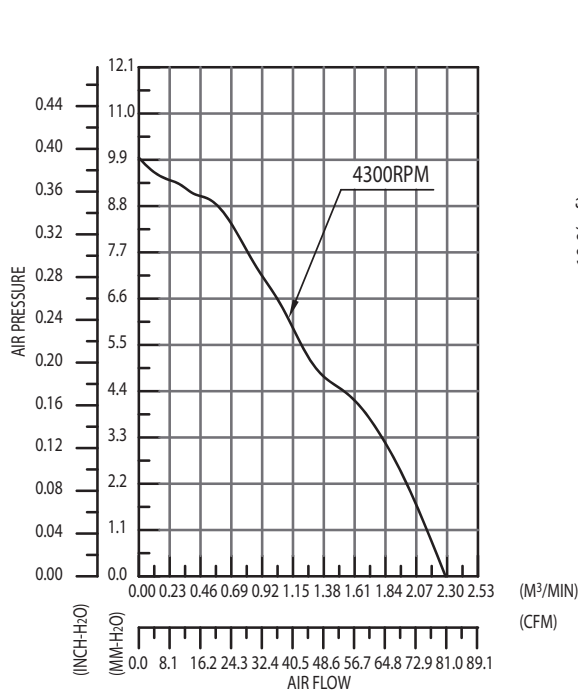


DC AXIAL FANS

DYTB SERIES
92×92×25 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CCW view from front face
- * Weight: 141g (5.0 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DYTB0925_48U	-FG/RD	B	48	36 to 26	0.14	6.72	4300	2.288	80.8	10.7	0.409	49.0	70000



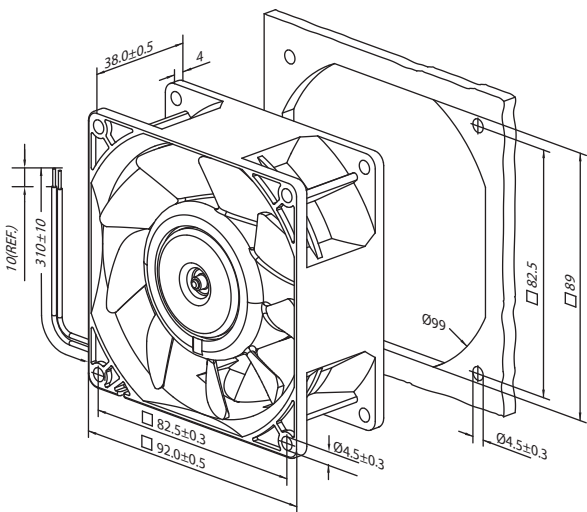
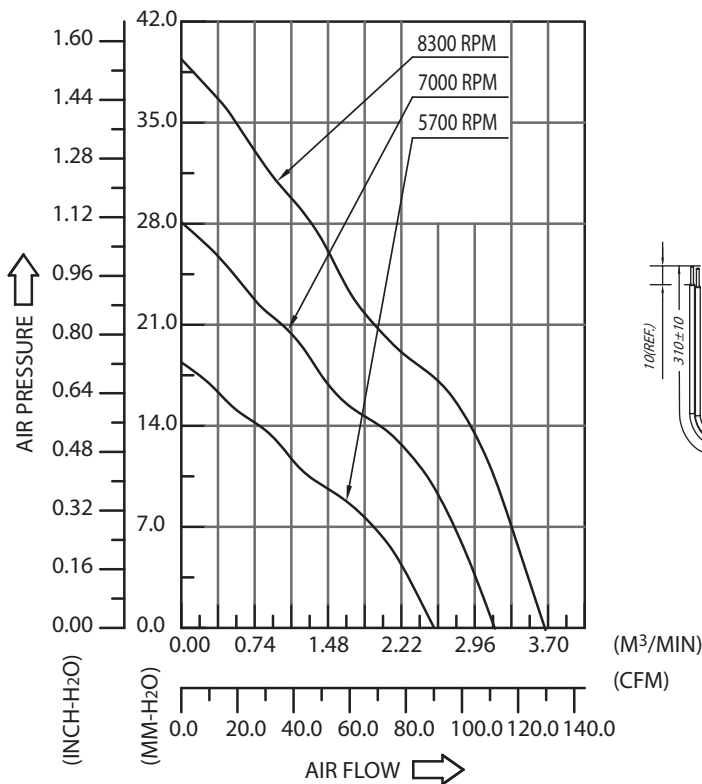
DC AXIAL FANS

DCTA SERIES
92×92×38 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 270g (9.52 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DCTA0938_2M	-FG/RD	B	12	7 to 13.2	0.68	8.16	5700	2.544	89.83	18.66	0.735	53.1	140000
DCTA0938_2H	-FG/RD	B	12	7 to 13.2	1.08	13.0	7000	3.163	111.71	28.47	1.121	58.7	130000
* DCTA0938_2U	-FG/RD	B	12	7 to 13.2	1.60	19.2	8300	3.671	129.64	39.28	1.546	62.8	130000
DCTA0938_8M	-FG/RD	B	48	36.0 to 56.0	0.18	8.64	5700	2.544	89.83	18.66	0.735	53.1	140000
DCTA0938_8H	-FG/RD	B	48	36.0 to 56.0	0.25	12.0	7000	3.163	111.71	28.47	1.121	58.7	130000
* DCTA0938_8U	-FG/RD	B	48	36.0 to 56.0	0.37	17.76	8300	3.671	129.64	39.28	1.546	62.8	130000



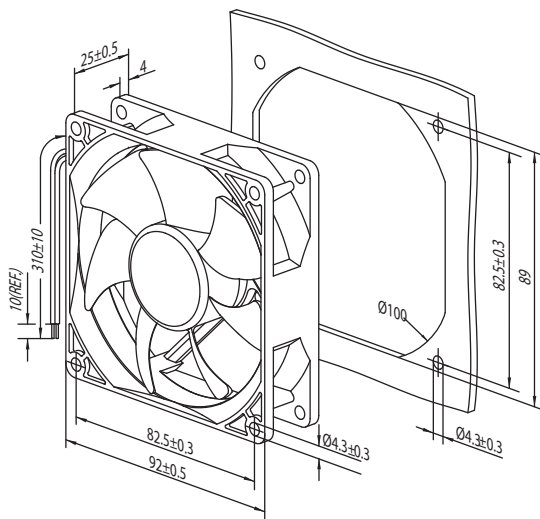
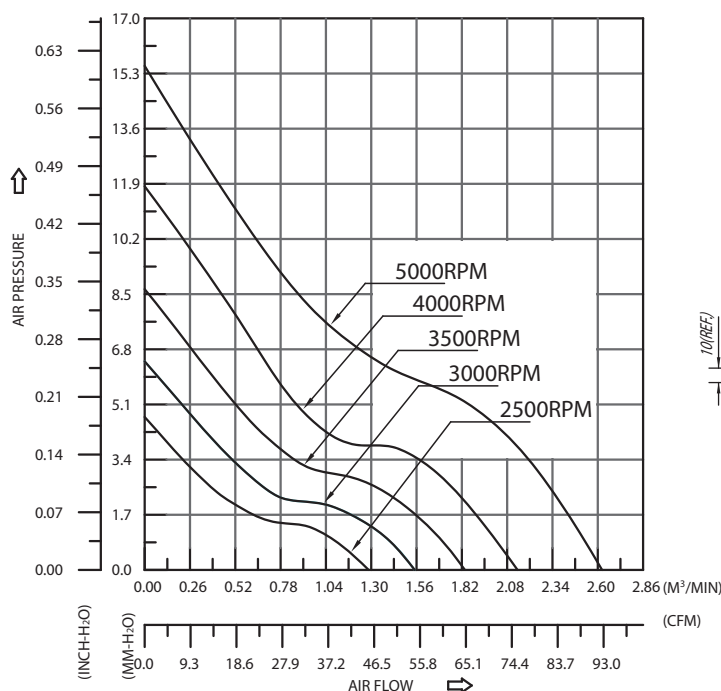


DC AXIAL FANS

DESA SERIES 92×92×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 150g (4.221 OZ)

ASIA VITAL COMPONENTS CO., LTD. Six Sigma														
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40 °C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
DESA0938_12X	-FG/RD	B I R	12	5.0 to 13.2	0.30	3.60	2500	1.286	45.38	4.71	0.185	30.9	70000	
DESA0938_12E	-FG/RD	B I R	12	5.0 to 13.2	0.38	4.56	3000	1.550	54.73	6.43	0.253	36.0	70000	
DESA0938_12L	-FG/RD	B I R	12	5.0 to 13.2	0.53	6.36	3500	1.836	64.80	8.65	0.341	40.8	70000	
* DESA0938_12M	-FG/RD	B I R	12	5.0 to 13.2	0.75	9.00	4000	2.141	75.56	11.75	0.463	44.8	70000	
DESA0938_12H	-FG/RD	B I R	12	5.0 to 13.2	0.90	10.80	5000	2.626	92.69	15.53	0.611	51.2	70000	



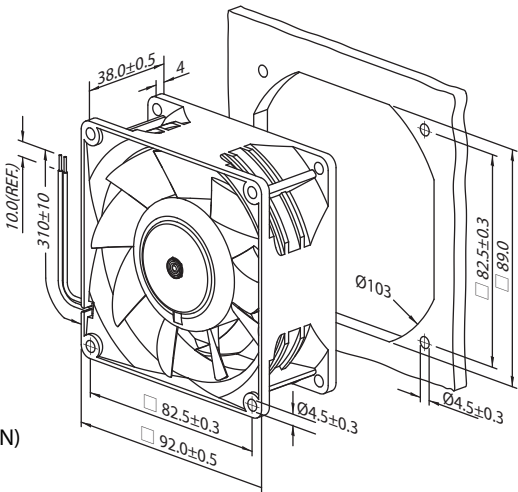
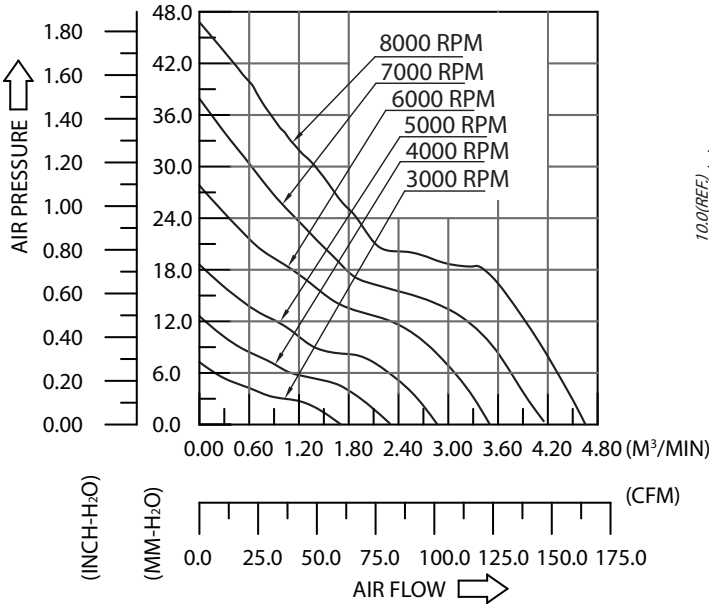


DC AXIAL FANS

2B SERIES 92×92×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 270g (9.52 OZ)

ASIA VITAL COMPONENTS CO., LTD. Six Sigma														
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours	
2B09238_12E	-FG/RD	B	12	7.0 to 13.2	0.22	2.64	3000	1.707	60.28	7.26	0.286	40.0	140000	
2B09238_12L	-FG/RD	B	12	7.0 to 13.2	0.41	4.92	4000	2.295	81.05	12.6	0.496	47.2	140000	
2B09238_12M	-FG/RD	B	12	7.0 to 13.2	0.7	8.4	5000	2.869	101.32	18.6	0.732	54.1	130000	
2B09238_12H	-FG/RD	B	12	7.0 to 13.2	1.25	15.0	6000	3.496	123.46	27.8	1.095	58.6	130000	
2B09238_12U	-FG/RD	B	12	7.0 to 13.2	2.0	24.0	7000	4.150	146.57	37.9	1.492	62.4	130000	
* 2B09238_12S	-FG/RD	B	12	7.0 to 13.2	3.1	37.2	8000	4.654	164.34	46.8	1.843	65.8	120000	



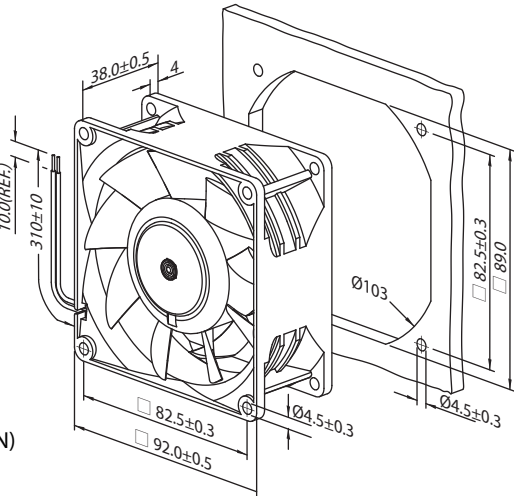
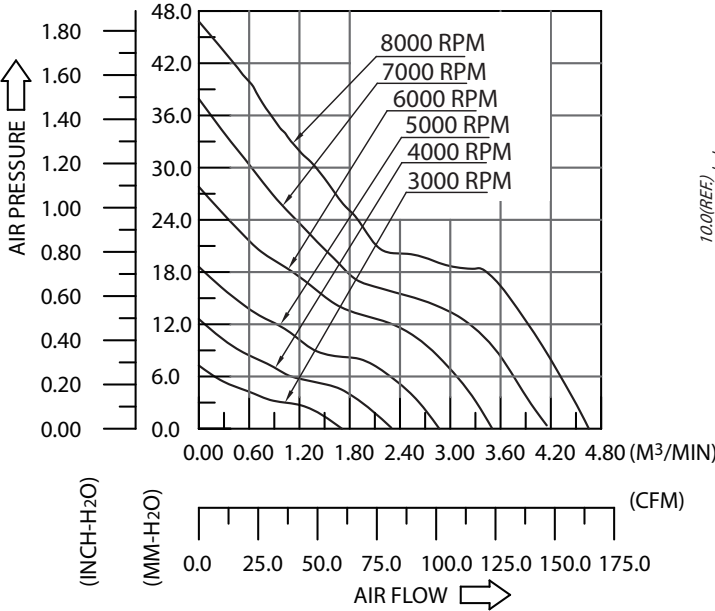


DC AXIAL FANS

2B SERIES 92×92×38 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 270g (9.52 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
2B09238_48E	-FG/RD	B	48	28 to 56	0.08	3.84	3000	1.707	60.28	7.26	0.286	40.0	140000
2B09238_48L	-FG/RD	B	48	28 to 56	0.12	5.76	4000	2.295	81.05	12.6	0.496	47.2	140000
2B09238_48M	-FG/RD	B	48	28 to 56	0.2	9.6	5000	2.869	101.32	18.6	0.732	54.1	130000
2B09238_48H	-FG/RD	B	48	28 to 56	0.3	14.4	6000	3.496	123.46	27.8	1.095	58.6	130000
2B09238_48U	-FG/RD	B	48	28 to 56	0.47	22.56	7000	4.150	146.57	37.9	1.492	62.4	130000
* 2B09238_48S	-FG/RD	B	48	28 to 56	0.78	37.44	8000	4.654	164.34	46.8	1.843	65.8	120000



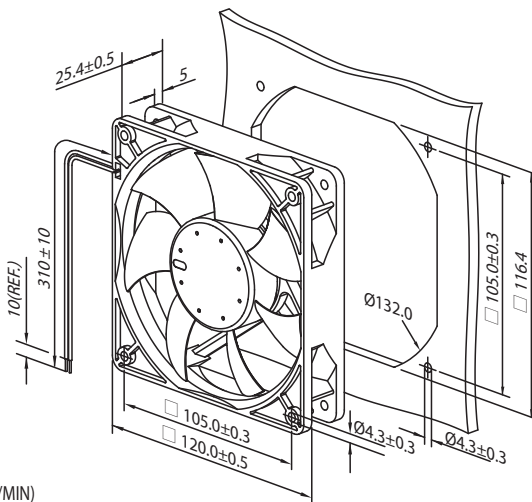
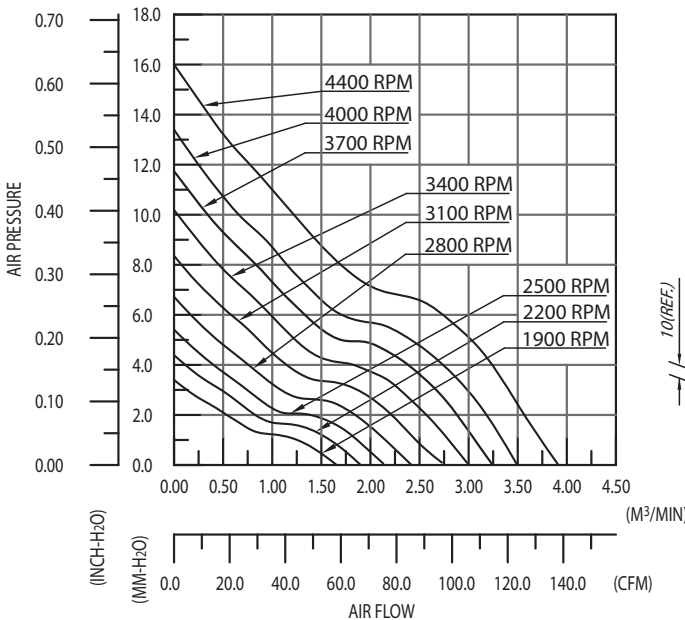


DC AXIAL FANS

DATA SERIES 120×120×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 230g (8.11 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
* DATA1225_2X	-FG/RD	B	12	7 to 13.2	0.18	2.16	1900	1.657	58.51	3.40	0.134	31.5	157500
DATA1225_2E	-FG/RD	B	12	7 to 13.2	0.22	2.64	2200	1.898	67.04	4.39	0.173	34.5	145000
DATA1225_2L	-FG/RD	B	12	7 to 13.2	0.27	3.24	2500	2.130	75.22	5.41	0.213	39.5	135000
DATA1225_2M	-FG/RD	B	12	7 to 13.2	0.32	3.84	2800	2.416	85.31	6.72	0.265	41.5	135000
* DATA1225_2H	-FG/RD	B	12	7 to 13.2	0.41	4.92	3100	2.727	96.31	8.36	0.329	43.5	120000
* DATA1225_2U	-FG/RD	B	12	7 to 13.2	0.47	5.64	3400	2.983	105.35	10.19	0.401	46.5	120000
* DATA1225_2S	-FG/RD	B	12	7 to 13.2	0.58	6.96	3700	3.230	114.08	11.71	0.462	49.0	120000
* DATA1225_2F	-FG/RD	B	12	7 to 13.2	0.70	8.40	4000	3.483	123.00	13.40	0.528	51.0	120000
DATA1225_2G	-FG/RD	B	12	7 to 13.2	0.85	10.20	4400	3.914	138.24	16.00	0.630	52.5	110000



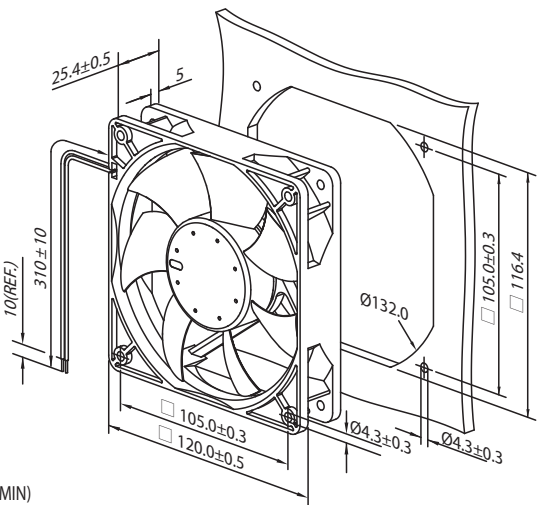
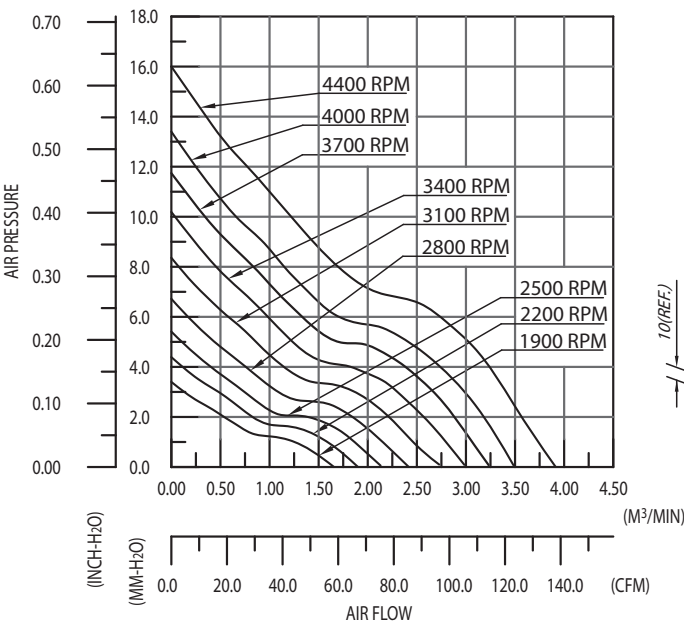


DC AXIAL FANS

DATA SERIES 120×120×25 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 230g (8.11 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
* DATA1225_8X	-FG/RD	B	48	28 to 56	0.06	2.88	1900	1.657	58.51	3.40	0.134	31.5	157500
DATA1225_8E	-FG/RD	B	48	28 to 56	0.07	3.36	2200	1.898	67.04	4.39	0.173	34.5	145000
DATA1225_8L	-FG/RD	B	48	28 to 56	0.08	3.84	2500	2.130	75.22	5.41	0.213	39.5	135000
DATA1225_8M	-FG/RD	B	48	28 to 56	0.09	4.32	2800	2.416	85.31	6.72	0.265	41.5	135000
* DATA1225_8H	-FG/RD	B	48	28 to 56	0.11	5.28	3100	2.727	96.31	8.36	0.329	43.5	120000
* DATA1225_8U	-FG/RD	B	48	28 to 56	0.13	3.24	3400	2.983	105.35	10.19	0.401	46.5	120000
* DATA1225_8S	-FG/RD	B	48	28 to 56	0.15	7.20	3700	3.230	114.08	11.71	0.462	49.0	120000
* DATA1225_8F	-FG/RD	B	48	28 to 56	0.18	8.64	4000	3.483	123.00	13.40	0.528	51.0	120000
DATA1225_8G	-FG/RD	B	48	28 to 56	0.22	10.56	4400	3.914	138.24	16.00	0.630	52.5	110000



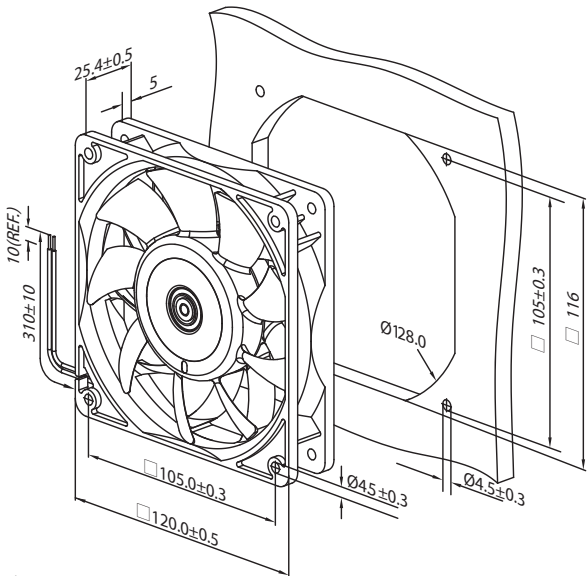
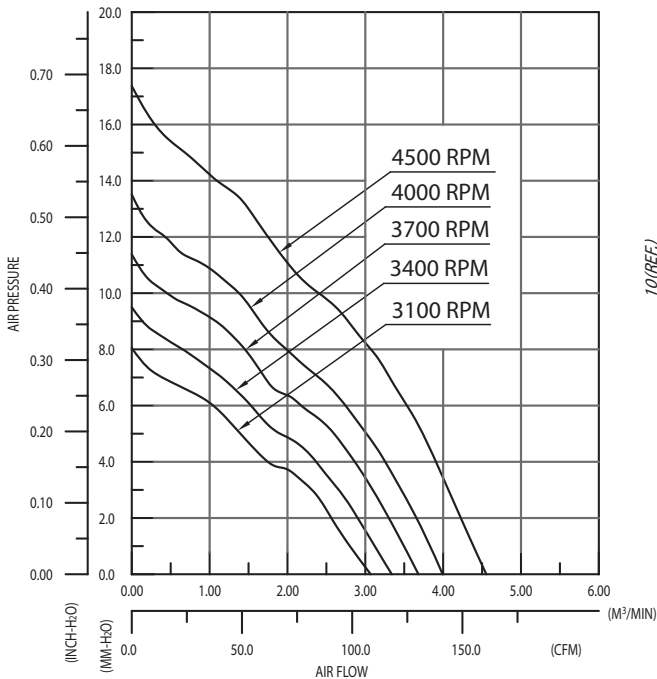


DC AXIAL FANS

DBTA SERIES 120×120×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CCW view from front face
- * Weight: 250g (8.82 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m ³ /min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DBTA1225_2L	-FG/RD	B	12	7.0 to 13.2	0.54	6.48	3100	3.069	108.38	8.05	0.317	49.0	120000
* DBTA1225_2M	-FG/RD	B	12	7.0 to 13.2	0.62	7.44	3400	3.340	117.96	9.50	0.374	51.5	120000
* DBTA1225_2H	-FG/RD	B	12	7.0 to 13.2	0.71	8.52	3700	3.682	130.04	11.38	0.448	54.0	120000
* DBTA1225_2U	-FG/RD	B	12	7.0 to 13.2	0.84	10.08	4000	3.985	140.75	13.51	0.532	55.5	120000
* DBTA1225_2S	-FG/RD	B	12	7.0 to 13.2	1.19	14.28	4500	4.549	160.66	17.37	0.684	58.5	110000

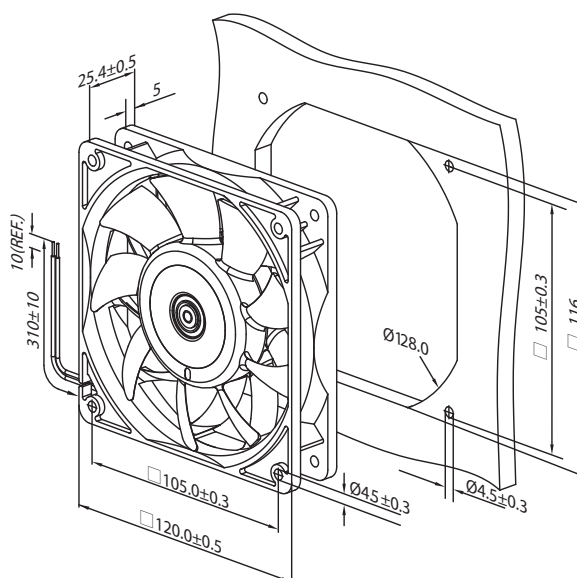
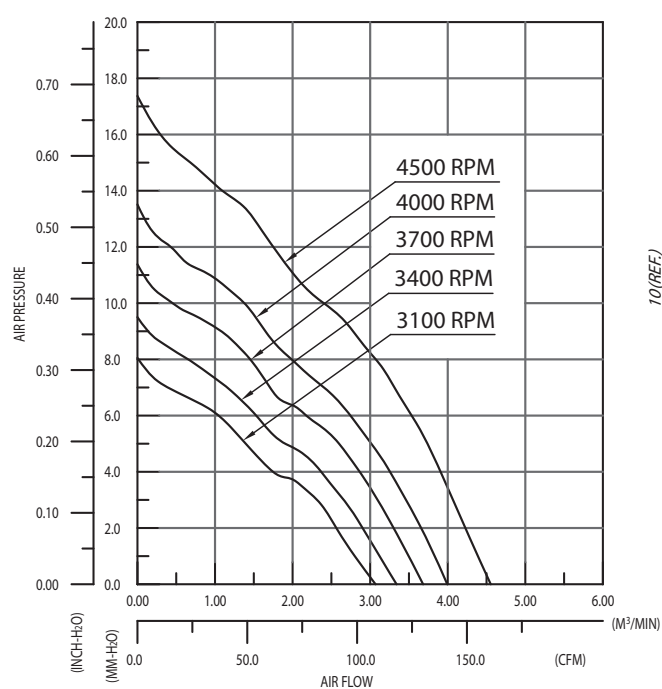


DBTA SERIES
120×120×25 mm 48v



- * Material: Impeller & Frame: Plastic (UL 94V-0)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range		Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40 °C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
DBTA1225_8L	-FG/RD	B	48	36.0 to 56.0	0.14	6.72	3100	3.069	108.38	8.05	0.317	49.0	120000	
* DBTA1225_8M	-FG/RD	B	48	36.0 to 56.0	0.16	7.68	3400	3.340	117.96	9.50	0.374	51.5	120000	
* DBTA1225_8H	-FG/RD	B	48	36.0 to 56.0	0.19	9.12	3700	3.682	130.04	11.38	0.448	54.0	120000	
* DBTA1225_8U	-FG/RD	B	48	36.0 to 56.0	0.24	11.52	4000	3.985	140.75	13.51	0.532	55.5	120000	
* DBTA1225_8S	-FG/RD	B	48	36.0 to 56.0	0.32	15.36	4500	4.549	160.66	17.37	0.684	58.5	110000	



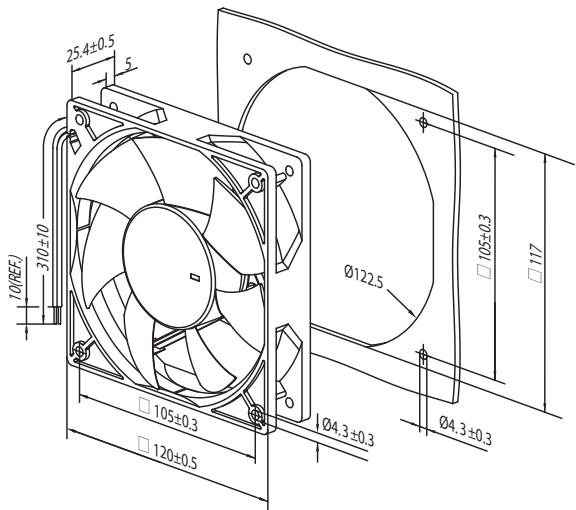
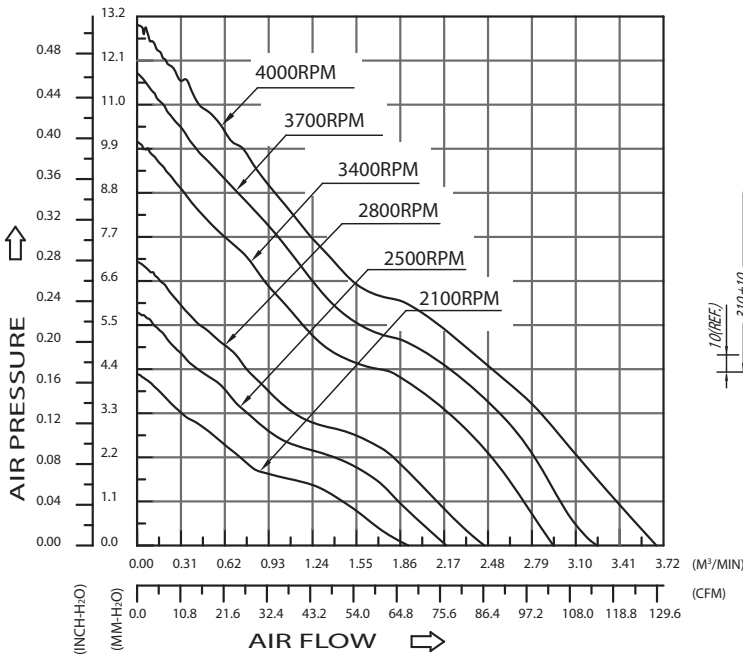
DC AXIAL FANS

DS SERIES
120×120×25 mm 12v,24v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #26 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 185g (6.51 OZ)



MODEL		Bearing Type		Rated Voltage		Operating Voltage Range		Rated Current		Rated Input Power		Speed		Maximum Air Flow		Maximum Air Pressure		Acoustic Noise		Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R		VDC	VDC	VDC		Amp	Watt			R.P.M.		m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A		hours	
DS12025_12E	-FG/RD	⌀	R	12	7.0 to 13.2			0.20	2.40			2100		1.916	67.68	4.28	0.169	34.8		70000	
DS12025_12L	-FG/RD	⌀	R	12	7.0 to 13.2			0.30	3.60			2500		2.186	77.19	5.82	0.229	38.5		70000	
DS12025_12M	-FG/RD	⌀	R	12	7.0 to 13.2			0.48	5.76			2800		2.454	86.67	7.08	0.279	41.7		70000	
DS12025_12H	-FG/RD	⌀		12	7.0 to 13.2			0.75	9.00			3400		2.942	103.89	10.08	0.397	46.9		70000	
* DS12025_12U	-FG/RD	⌀		12	7.0 to 13.2			1.05	12.60			3700		3.251	114.82	11.79	0.464	49.8		70000	
DS12025_24U	-FG/RD	⌀		24	14.0 to 26.4			0.70	16.80			4000		3.428	121.05	12.99	0.511	51.6		70000	



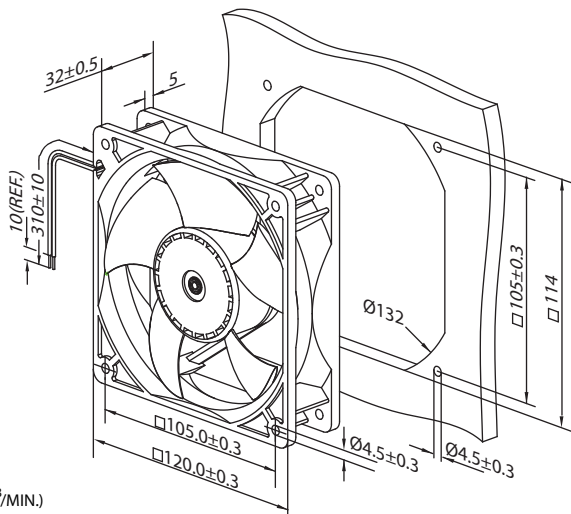
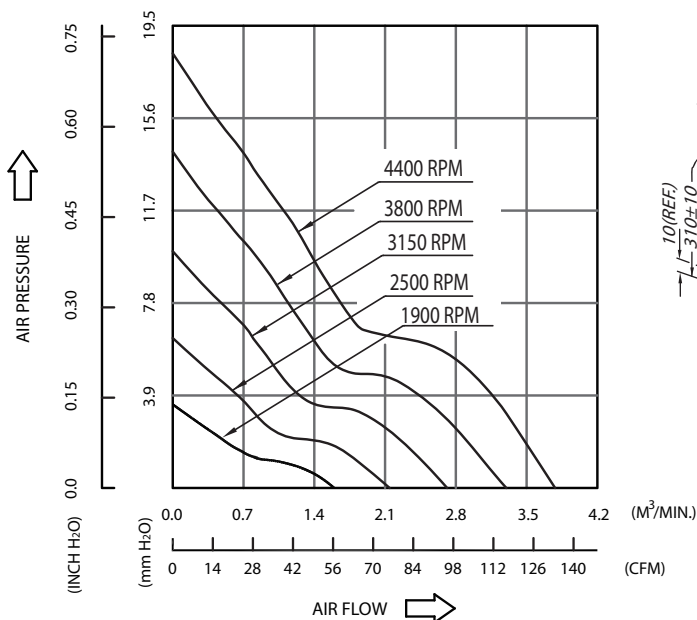


DC AXIAL FANS

DA SERIES
120×120×32 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 273g (9.63 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DA12032_48E	-FG/RD	B	48	36.0 to 56.0	0.05	2.40	1900	1.596	56.38	3.52	0.138	32.0	160000
DA12032_48L	-FG/RD	B	48	36.0 to 56.0	0.07	3.36	2500	2.145	75.75	6.32	0.248	40.5	140000
DA12032_48M	-FG/RD	B	48	36.0 to 56.0	0.09	4.32	3150	2.714	95.85	9.98	0.393	47.0	120000
* DA12032_48H	-FG/RD	B	48	36.0 to 56.0	0.14	6.72	3800	3.299	116.53	14.18	0.558	51.0	100000
* DA12032_48U	-FG/RD	B	48	36.0 to 56.0	0.23	11.04	4400	3.782	133.56	18.32	0.721	55.5	90000



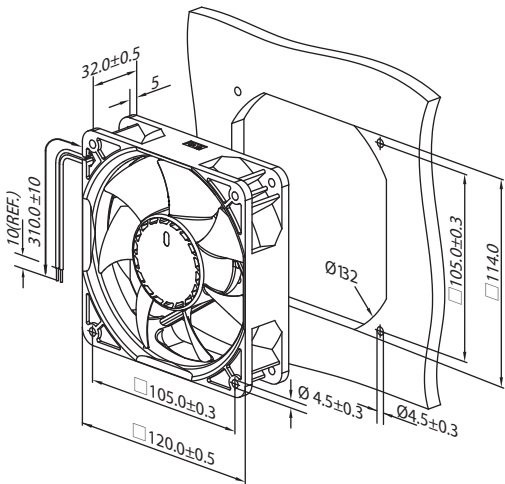
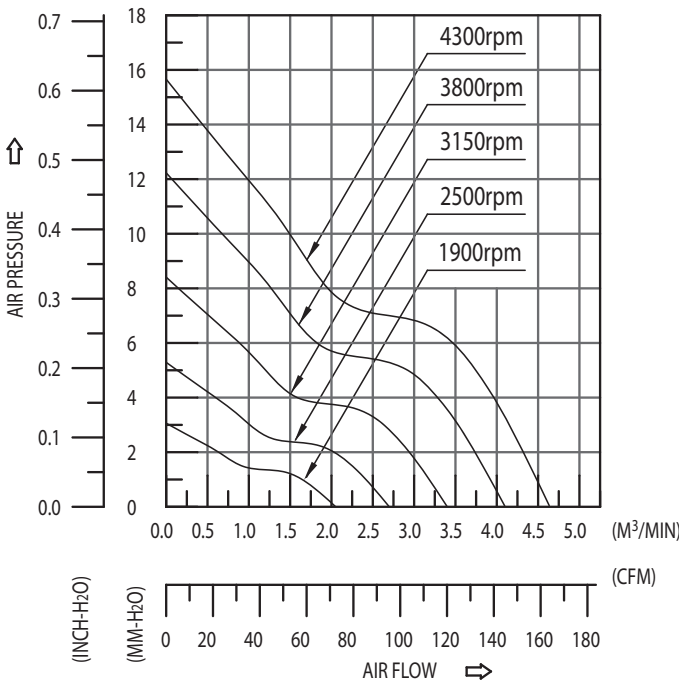


DC AXIAL FANS

DATA SERIES
120×120×32 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 240g (8.47 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DATA1232_2E	-FG/RD	B	12	7.0 to 13.2	0.15	1.80	1900	2.05	72.3	3.1	0.12	33.1	140000
DATA1232_2L	-FG/RD	B	12	7.0 to 13.2	0.27	3.24	2500	2.70	95.2	5.3	0.21	41.4	120000
DATA1232_2M	-FG/RD	B	12	7.0 to 13.2	0.44	5.28	3150	3.40	119.9	8.4	0.33	48.1	100000
* DATA1232_2H	-FG/RD	B	12	7.0 to 13.2	0.72	8.64	3800	4.10	144.7	12.3	0.48	53.3	100000
* DATA1232_2U	-FG/RD	B	12	7.0 to 13.2	1.11	13.32	4300	4.64	163.7	15.7	0.62	56.8	100000
DATA1232_8E	-FG/RD	B	48	28.0 to 56.0	0.06	2.88	1900	2.05	72.3	3.1	0.12	33.1	140000
DATA1232_8L	-FG/RD	B	48	28.0 to 56.0	0.08	3.84	2500	2.70	95.2	5.3	0.21	41.4	120000
* DATA1232_8M	-FG/RD	B	48	28.0 to 56.0	0.13	6.24	3150	3.40	119.9	8.4	0.33	48.1	100000
DATA1232_8H	-FG/RD	B	48	28.0 to 56.0	0.19	9.12	3800	4.10	144.7	12.3	0.48	53.3	100000
* DATA1232_8U	-FG/RD	B	48	28.0 to 56.0	0.28	13.44	4300	4.64	163.7	15.7	0.62	56.8	100000



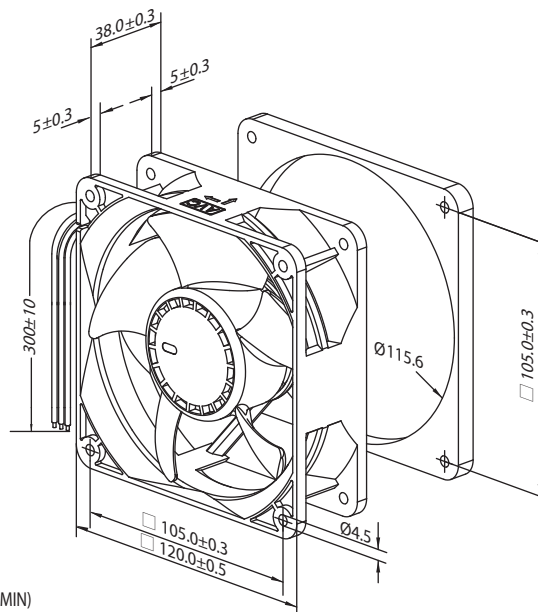
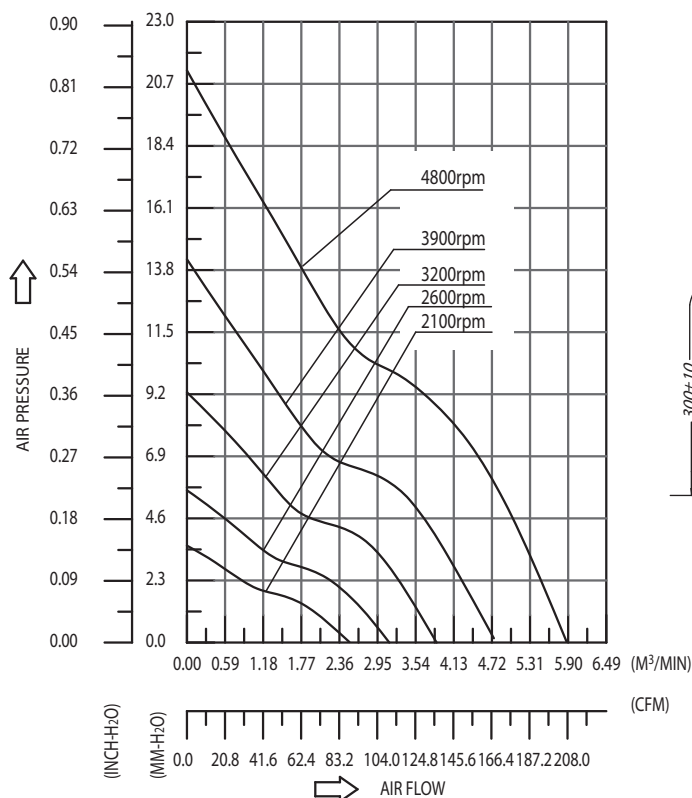
DC AXIAL FANS



DAKA^{SERIES} 120×120×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 256g (9.03 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DAKA1238_12E	FG	B	12	5.0 to 13.2	0.4	4.8	2100	2.515	88.77	3.59	0.141	33.89	70000
DAKA1238_12L	FG	B	12	5.0 to 13.2	0.5	6	2600	3.133	110.59	5.64	0.222	40.23	70000
DAKA1238_12M	FG	B	12	5.0 to 13.2	0.8	9.6	3200	3.866	136.44	9.27	0.365	46.30	70000
* DAKA1238_12H	FG	B	12	5.0 to 13.2	1.5	18	3900	4.752	167.73	14.20	0.559	52.55	70000
DAKA1238_12U	FG	B	12	5.0 to 13.2	2.5	30	4800	5.875	207.37	21.20	0.835	57.80	70000



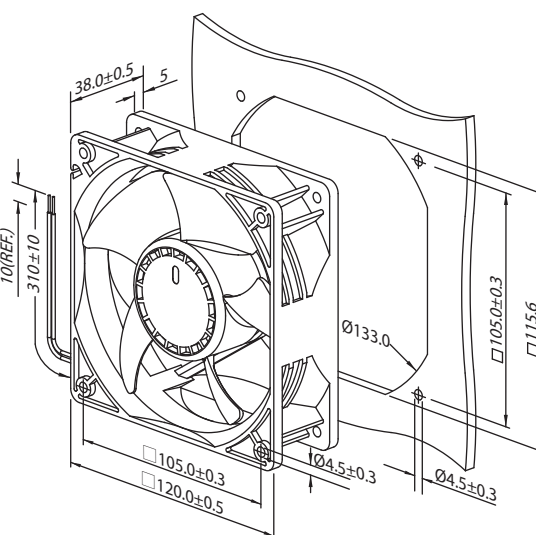
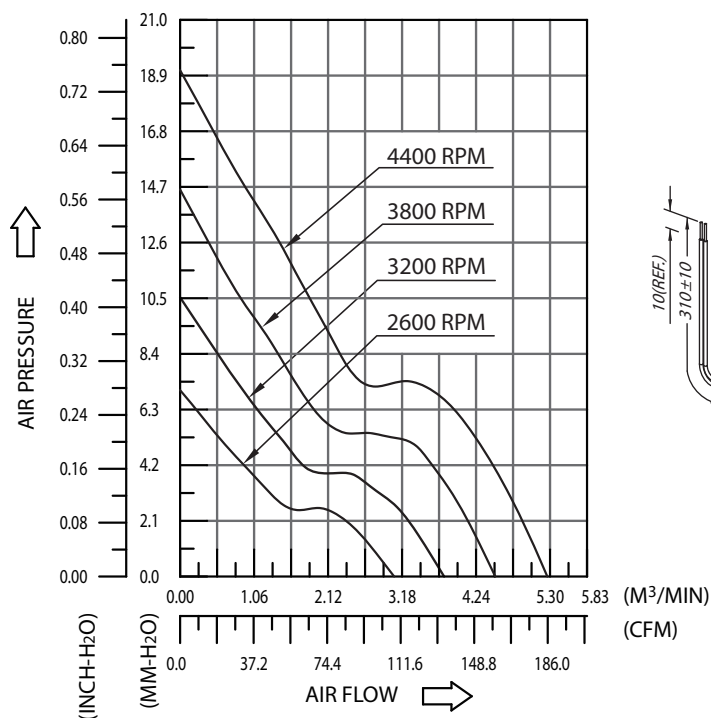


DC AXIAL FANS

DATA SERIES
120×120×38 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 300g (10.58 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
*	DATA1238_2L	-FG/RD	B	12	7 to 13.8	0.32	3.84	2600	3.059	108	7.0	0.275	40.1	167500
	DATA1238_2M	-FG/RD	B	12	7 to 13.8	0.51	6.12	3200	3.796	134	10.5	0.413	46.1	147500
	DATA1238_2H	-FG/RD	B	12	7 to 13.8	0.86	10.32	3800	4.532	160	14.6	0.574	51	132500
	DATA1238_2U	-FG/RD	B	12	7 to 13.8	1.3	15.6	4400	5.269	186	19.1	0.751	54.9	125000
	DATA1238_8L	-FG/RD	B	48	28 to 56	0.11	5.28	2600	3.059	108	7.0	0.275	40.1	167500
	DATA1238_8M	-FG/RD	B	48	28 to 56	0.15	7.2	3200	3.796	134	10.5	0.413	46.1	147500
	DATA1238_8H	-FG/RD	B	48	28 to 56	0.22	10.56	3800	4.532	160	14.6	0.574	51	132500
*	DATA1238_8U	-FG/RD	B	48	28 to 56	0.36	17.28	4400	5.269	186	19.1	0.751	54.9	125000



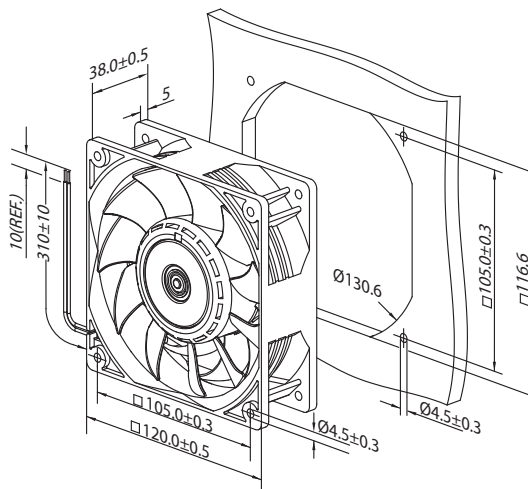
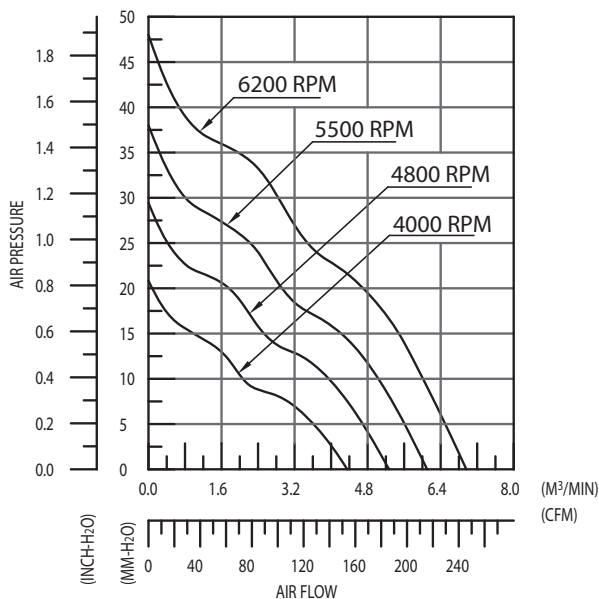


DC AXIAL FANS

DBTB^{SERIES} 120×120×38 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CCW view from front face
- * Weight: 422g (14.89 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DBTB1238_2M	-FG/RD	B	12	7 to 13.2	1.15	13.80	4000	4.353	153.73	20.82	0.820	58.0	132500
DBTB1238_2H	-FG/RD	B	12	7 to 13.2	1.95	23.40	4800	5.270	186.09	29.44	1.159	63.0	125000
* DBTB1238_2U	-FG/RD	B	12	7 to 13.2	2.95	35.40	5500	6.109	215.74	37.98	1.495	66.0	125000
DBTB1238_8M	-FG/RD	B	48	28 to 56	0.29	13.92	4000	4.353	153.73	20.82	0.820	58.0	132500
DBTB1238_8H	-FG/RD	B	48	28 to 56	0.48	23.04	4800	5.270	186.09	29.44	1.159	63.0	125000
* DBTB1238_8U	-FG/RD	B	48	28 to 56	0.72	34.56	5500	6.109	215.74	37.98	1.495	66.0	125000
* DBTB1238_8S	-FG/RD	B	48	28 to 56	0.99	47.52	6200	6.961	245.84	47.99	1.889	69.5	115000



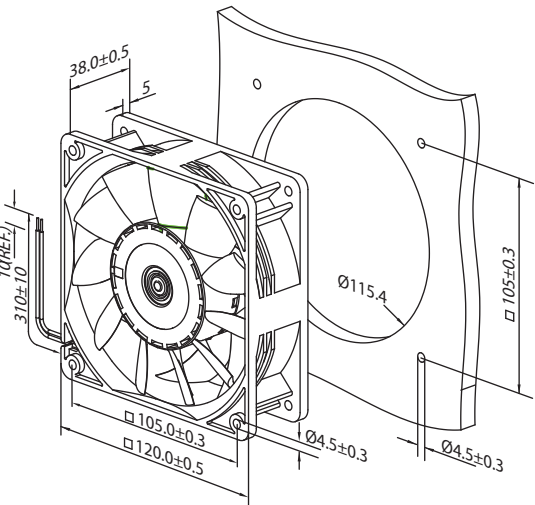
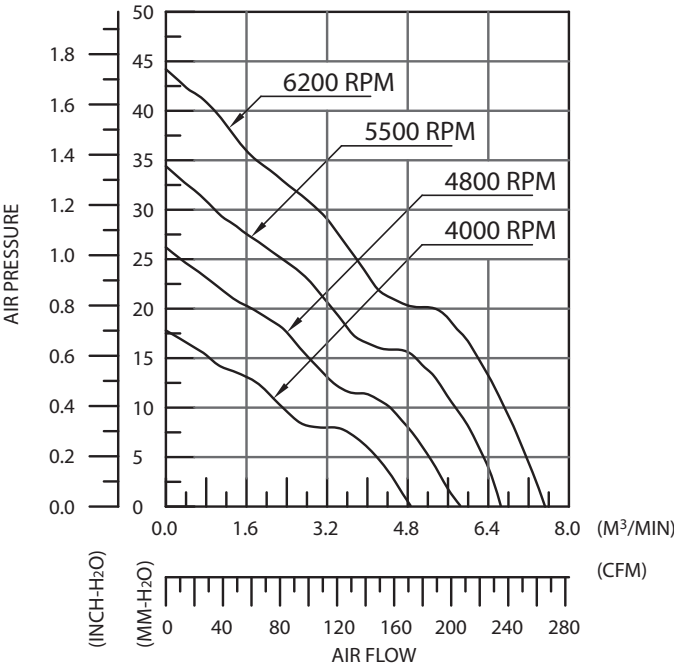


DC AXIAL FANS

2B SERIES
120×120×38 mm 12v,48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CCW view from front face
- * Weight: 450g (15.87 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
2B12038_12M	-FG/RD	B	12	7.0 to 13.2	1.52	18.24	4000	4.857	171.46	17.8	0.701	59.5	132500
2B12038_12H	-FG/RD	B	12	7.0 to 13.2	2.40	28.80	4800	5.844	206.28	26.2	1.031	65.0	125000
* 2B12038_12U	-FG/RD	B	12	7.0 to 13.2	3.88	46.56	5500	6.649	234.71	34.4	1.354	68.5	115000
* 2B12038_48M	-FG/RD	B	48	28.0 to 56.0	0.36	17.28	4000	4.857	171.46	17.8	0.701	59.5	132500
* 2B12038_48H	-FG/RD	B	48	28.0 to 56.0	0.58	27.84	4800	5.844	206.28	26.2	1.031	65.0	125000
* 2B12038_48U	-FG/RD	B	48	28.0 to 56.0	0.93	44.64	5500	6.649	234.71	34.4	1.354	68.5	115000
* 2B12038_48S	-FG/RD	B	48	28.0 to 56.0	1.27	60.96	6200	7.530	265.82	44.2	1.740	71.5	115000



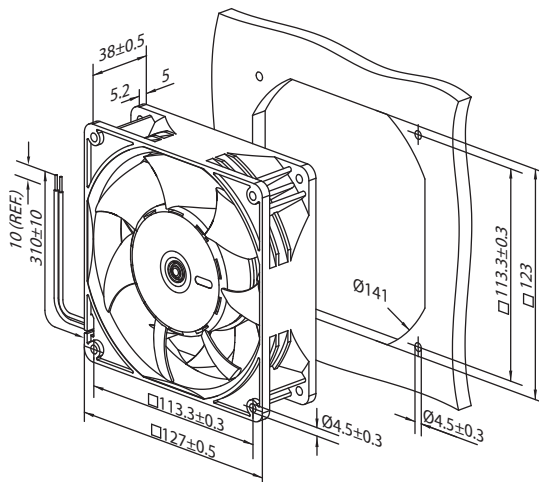
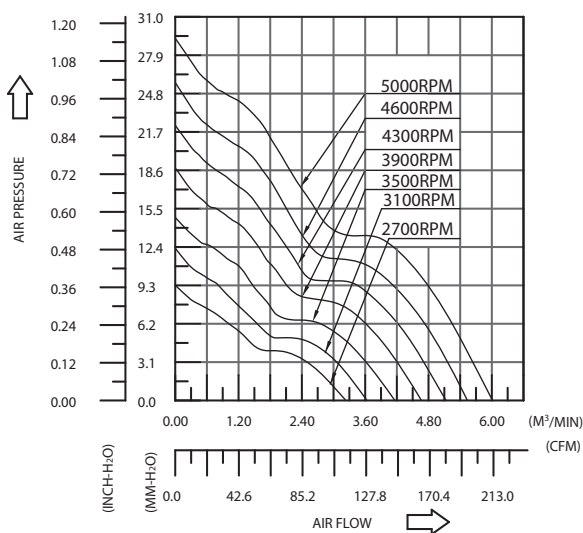


DC AXIAL FANS

DB SERIES 127×127×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 492g (17.35 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
DB12738_12E	-FG/RD	B	12	7 to 13.2	0.4	4.8	2700	3.223	113.83	9.26	0.365	48.2	142500
DB12738_12L	-FG/RD	B	12	7 to 13.2	0.62	7.44	3100	3.625	128.01	12.26	0.483	51.9	142500
DB12738_12M	-FG/RD	B	12	7 to 13.2	0.8	9.6	3500	4.154	146.68	14.74	0.580	55.3	142500
DB12738_12H	-FG/RD	B	12	7 to 13.2	1.1	13.2	3900	4.648	164.15	18.70	0.736	57.7	142500
* DB12738_12U	-FG/RD	B	12	7 to 13.2	1.45	17.4	4300	5.401	190.73	23.70	0.933	60.1	125000
* DB12738_12S	-FG/RD	B	12	7 to 13.2	1.8	21.6	4600	5.673	200.35	26.64	1.049	61.7	90000
* DB12738_12F	-FG/RD	B	12	7 to 13.2	2.05	30	5000	6.097	215.30	32.10	1.264	64.1	70000



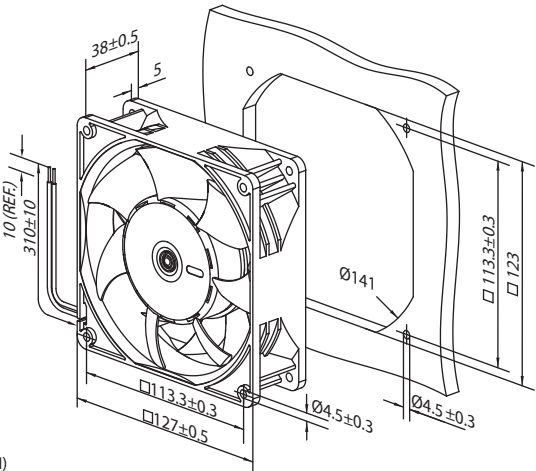
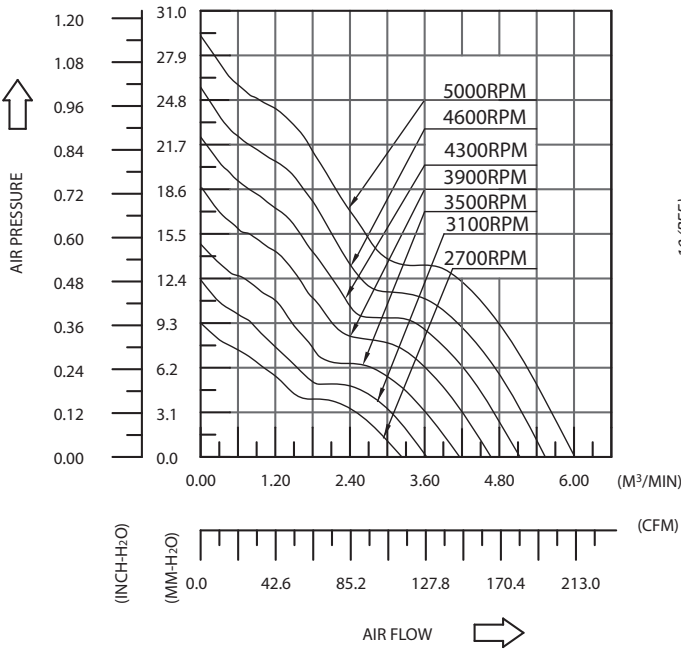


DC AXIAL FANS

DB SERIES
127×127×38 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 492g (17.35 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DB12738_48E	-FG/RD	B	48	28 to 56	0.14	6.72	2700	3.223	113.83	9.26	0.365	48.2	142500
DB12738_48L	-FG/RD	B	48	28 to 56	0.18	8.64	3100	3.625	128.01	12.26	0.483	51.9	142500
DB12738_48M	-FG/RD	B	48	28 to 56	0.22	10.56	3500	4.154	146.68	14.74	0.580	55.3	142500
DB12738_48H	-FG/RD	B	48	28 to 56	0.28	13.44	3900	4.648	164.15	18.70	0.736	57.7	142500
* DB12738_48U	-FG/RD	B	48	28 to 56	0.42	20.16	4300	5.401	190.73	23.70	0.933	60.1	125000
* DB12738_48S	-FG/RD	B	48	28 to 56	0.44	21.12	4600	5.673	200.35	26.64	1.049	61.7	90000
* DB12738_48F	-FG/RD	B	48	28 to 56	0.55	26.4	5000	6.097	215.30	32.10	1.264	64.1	70000



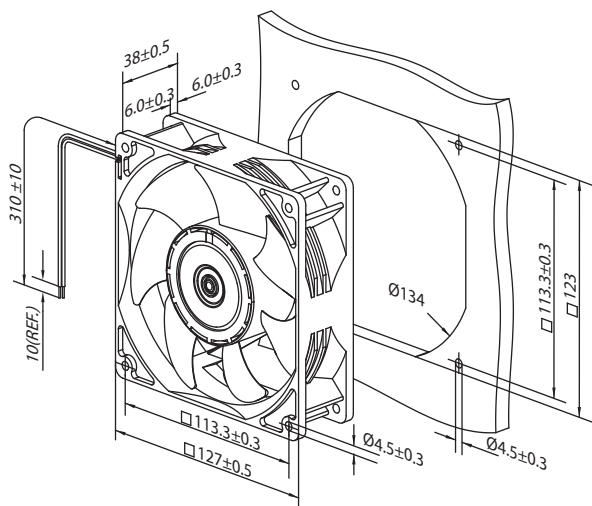
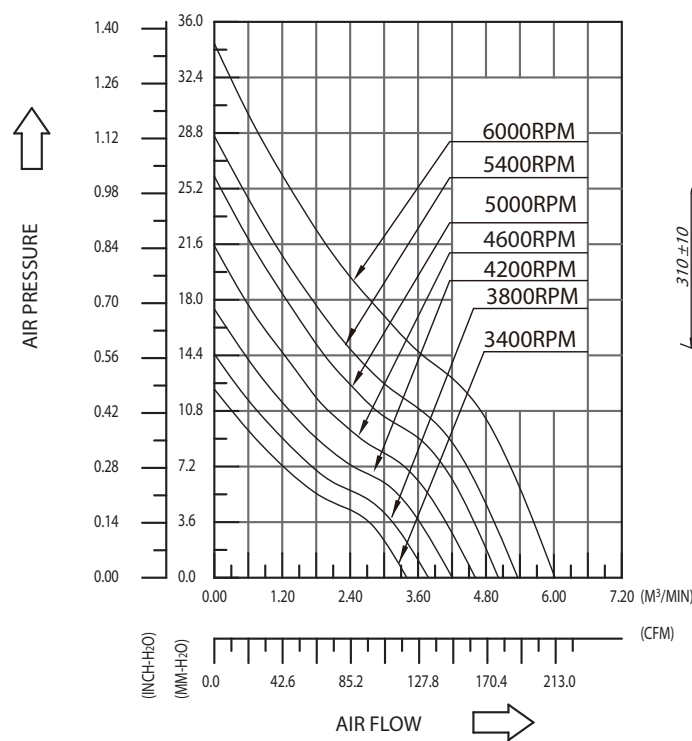
DC AXIAL FANS



DATA SERIES
127×127×38 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 450g (15.87 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DATA1338_2E	-FG/RD	B	12	7 to 13.2	0.55	6.6	3400	3.402	120.14	12.21	0.481	48	142500
DATA1338_2L	-FG/RD	B	12	7 to 13.2	0.65	7.8	3800	3.783	133.61	14.5	0.571	51	142500
DATA1338_2M	-FG/RD	B	12	7 to 13.2	0.83	9.96	4200	4.204	148.48	17.4	0.685	54	142500
* DATA1338_2H	-FG/RD	B	12	7 to 13.2	1.01	12.12	4600	4.613	162.91	21.5	0.846	56	142500
* DATA1338_2U	-FG/RD	B	12	7 to 13.2	1.26	15.12	5000	5.019	177.26	26	1.024	59	142500
DATA1338_2S	-FG/RD	B	12	7 to 13.2	1.59	19.08	5400	5.363	189.38	28.6	1.126	61	125000
DATA1338_2F	-FG/RD	B	12	7 to 13.2	2.08	24.96	6000	6.019	212.57	34.6	1.362	63	70000



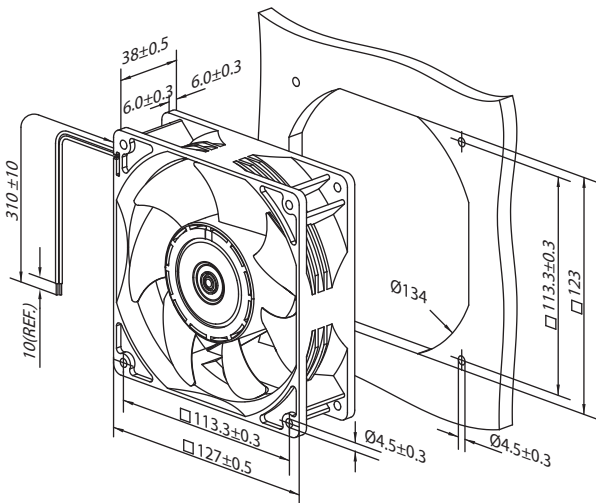
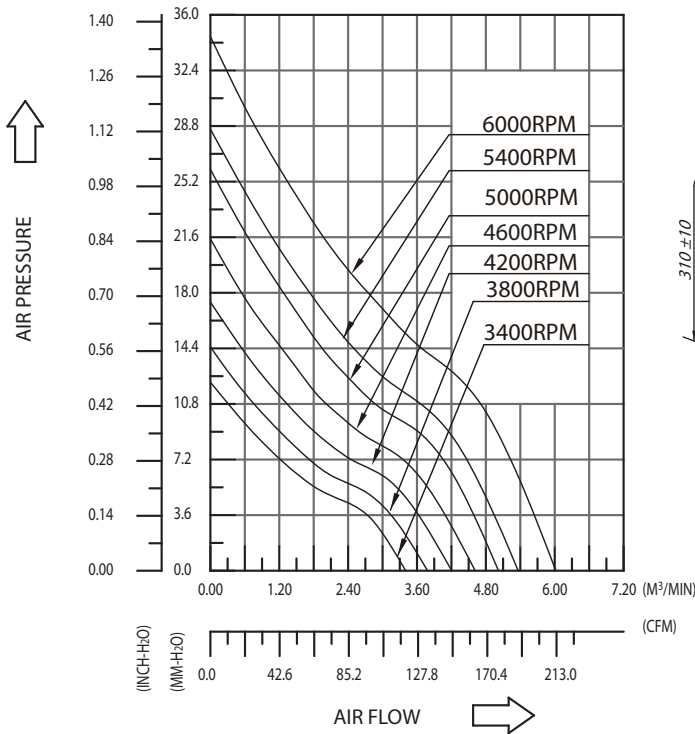


DC AXIAL FANS

DATA SERIES 127×127×38 mm 48v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 450g (15.87 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DATA1338_8E	-FG/RD	B	48	36 to 60	0.17	8.16	3400	3.402	120.14	12.21	0.481	48	142500
DATA1338_8L	-FG/RD	B	48	36 to 60	0.20	9.6	3800	3.783	133.61	14.5	0.571	51	142500
DATA1338_8M	-FG/RD	B	48	36 to 60	0.23	11.04	4200	4.204	148.48	17.4	0.685	54	142500
* DATA1338_8H	-FG/RD	B	48	36 to 60	0.28	13.44	4600	4.613	162.91	21.5	0.846	56	142500
* DATA1338_8U	-FG/RD	B	48	36 to 60	0.33	15.84	5000	5.019	177.26	26	1.024	59	142500
DATA1338_8S	-FG/RD	B	48	36 to 60	0.39	18.72	5400	5.363	189.38	28.6	1.126	61	125000
DATA1338_8F	-FG/RD	B	48	36 to 60	0.52	24.96	6000	6.019	212.57	34.6	1.362	63	70000

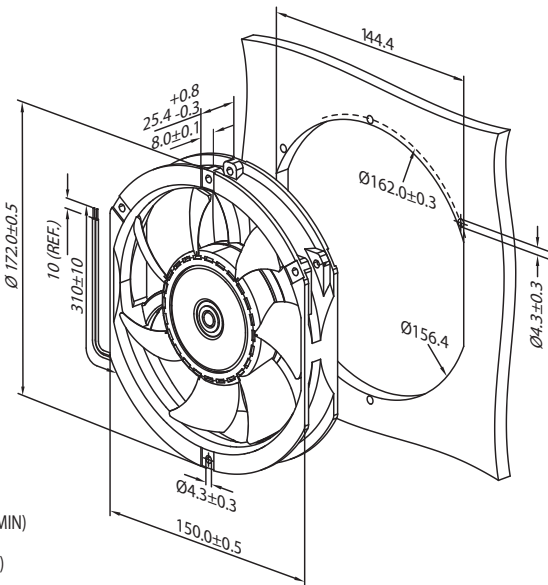
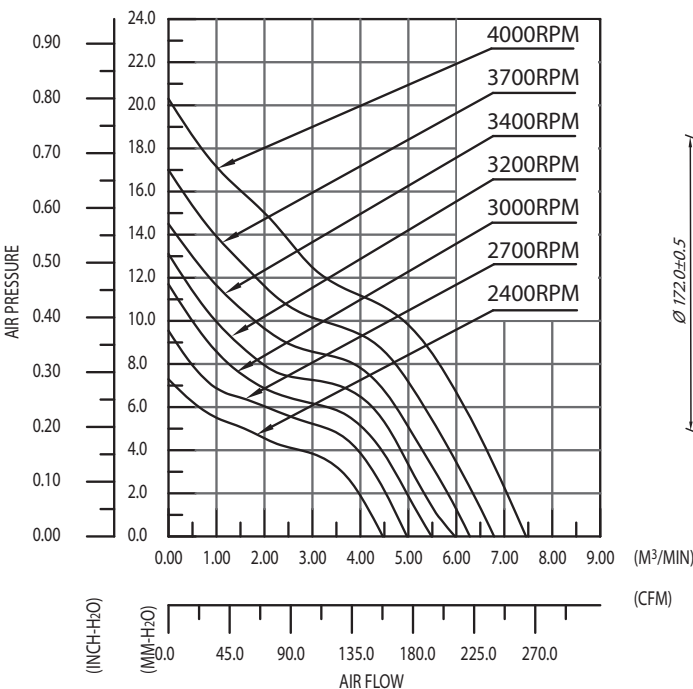


DC AXIAL FANS

DATA SERIES
172×150×25 mm

- * Material: Impeller: Plastic (UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CW view from front face
- * Weight: 450g (15.87 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
* DATA1525_2X	-FG/RD	B	12	7 to 13.2	0.56	6.72	2400	4.300	151.84	7.28	0.287	47.1	157500
DATA1525_2E	-FG/RD	B	12	7 to 13.2	0.71	8.52	2700	4.874	172.13	9.57	0.377	50.7	157500
* DATA1525_2L	-FG/RD	B	12	7 to 13.2	1.02	12.24	3000	5.524	195.07	11.78	0.464	53.0	157500
DATA1525_2M	-FG/RD	B	12	7 to 13.2	1.18	14.16	3200	5.952	210.20	13.10	0.516	54.9	157500
* DATA1525_2H	-FG/RD	B	12	7 to 13.2	1.40	16.80	3400	6.173	218.01	14.50	0.571	57.0	147500
DATA1525_2U	-FG/RD	B	12	7 to 13.2	1.84	22.08	3700	6.760	238.73	17.00	0.669	59.6	147500
* DATA1525_2S	-FG/RD	B	12	7 to 13.2	2.27	27.24	4000	7.453	263.21	20.30	0.800	61.3	125000



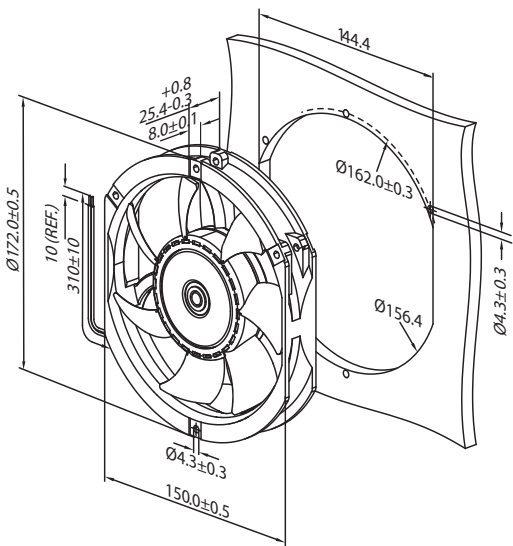
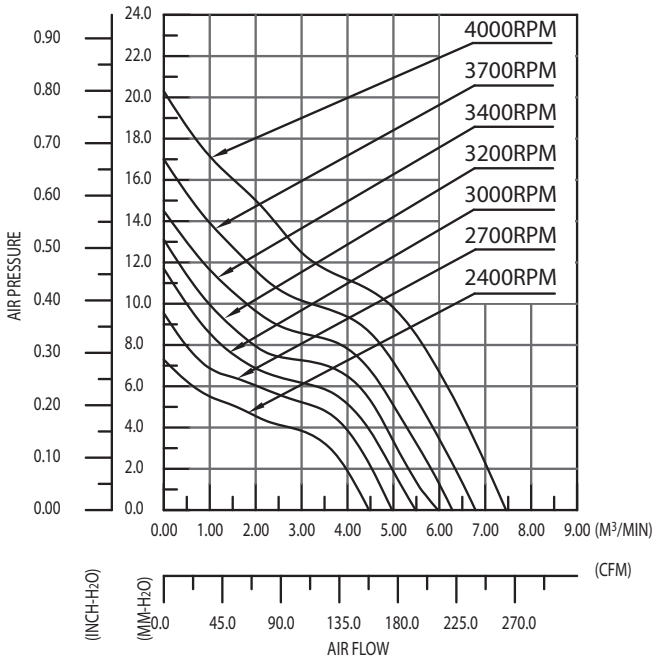


DC AXIAL FANS

DATA SERIES
172×150×25 mm 48v

- * Material: Impeller: Plastic (UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CW view from front face
- * Weight: 450g (15.87 OZ)

ASIA VITAL COMPONENTS CO., LTD. SixSigma														
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C	
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
* DATA1525_8X	-FG/RD	B	48	32.0 to 80	0.14	6.72	2400	4.300	151.84	7.28	0.287	47.1	157500	
DATA1525_8E	-FG/RD	B	48	32.0 to 80	0.19	9.12	2700	4.874	172.13	9.57	0.377	50.7	157500	
* DATA1525_8L	-FG/RD	B	48	32.0 to 80	0.23	11.04	3000	5.524	195.07	11.78	0.464	53.0	157500	
DATA1525_8M	-FG/RD	B	48	32.0 to 80	0.29	13.92	3200	5.952	210.20	13.10	0.516	54.9	157500	
* DATA1525_8H	-FG/RD	B	48	32.0 to 80	0.35	16.80	3400	6.173	218.01	14.50	0.571	57.0	147500	
DATA1525_8U	-FG/RD	B	48	32.0 to 80	0.43	20.64	3700	6.760	238.73	17.00	0.669	59.6	147500	
* DATA1525_8S	-FG/RD	B	48	32.0 to 80	0.58	27.84	4000	7.453	263.21	20.30	0.800	61.3	125000	



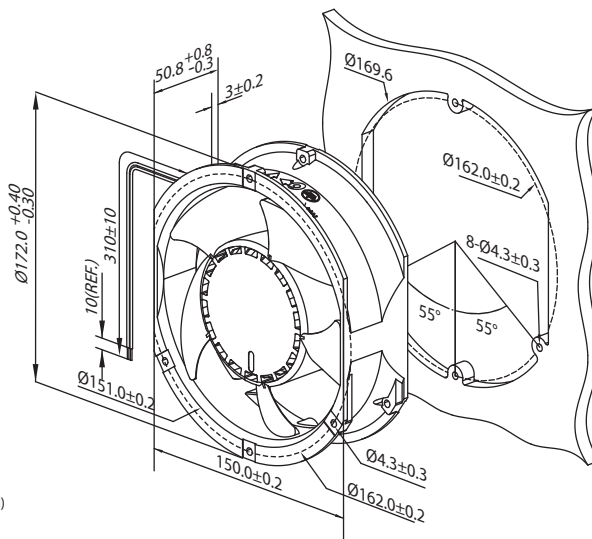
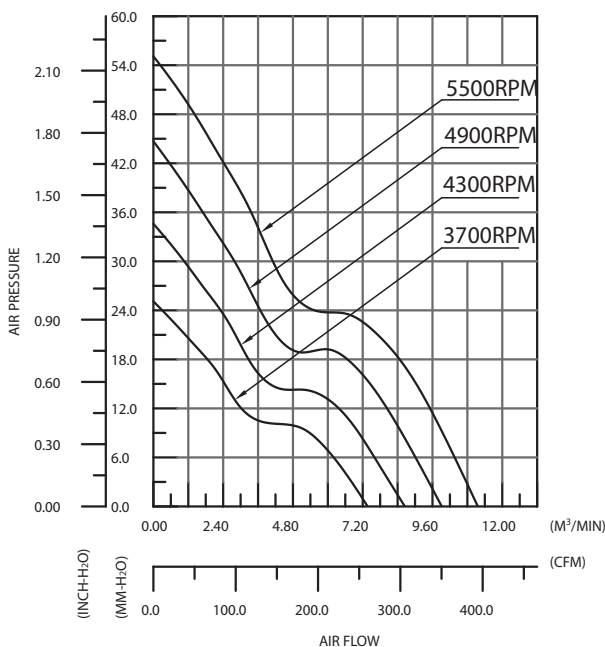
DC AXIAL FANS



DATA SERIES
172×150×51 mm 48v

- * Material: Impeller: Plastic (UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 950g (33.50 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
* DATA1551_8L	-FG/RD	B	48	24.0 to 60.0	0.54	25.9	3700	7.35	259.5	25.1	0.99	59.0	110000
* DATA1551_8M	-FG/RD	B	48	24.0 to 60.0	0.82	39.4	4300	8.64	305.1	34.6	1.36	63.0	100000
DATA1551_8H	-FG/RD	B	48	24.0 to 60.0	1.15	55.2	4900	9.91	350.0	44.7	1.76	66.0	90000
* DATA1551_8U	-FG/RD	B	48	24.0 to 60.0	1.65	79.2	5500	11.15	393.7	55.1	2.17	68.5	70000



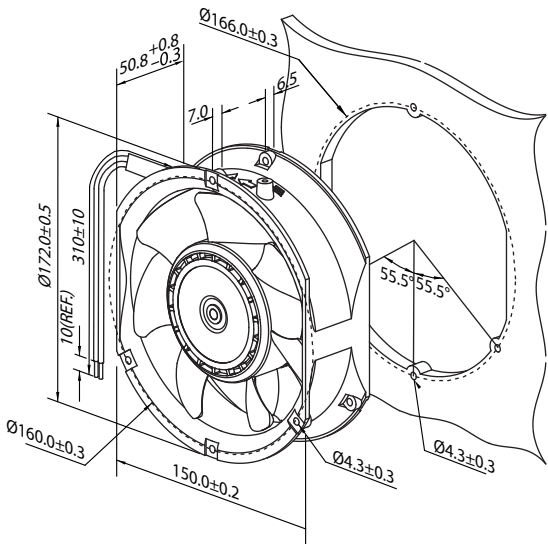
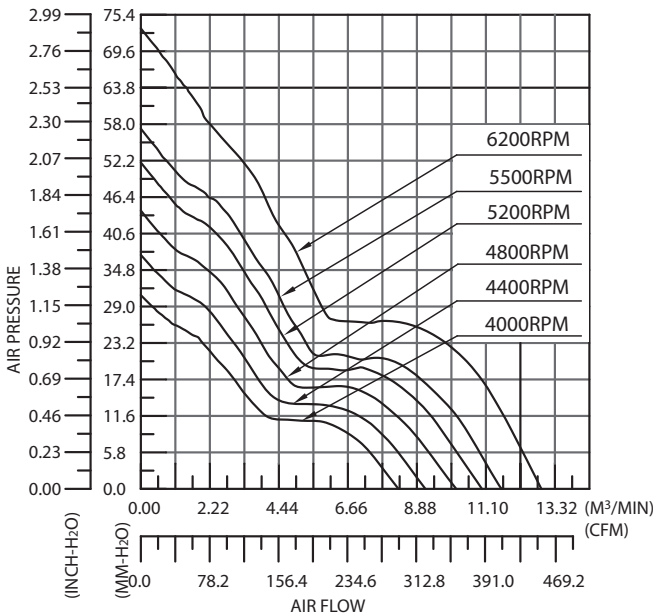


DC AXIAL FANS

DB SERIES
172×150×51 mm 48v

- * Material: Impeller Pellet(UL 94V-0)& Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #22 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CCW view from front face
- * Weight: 930g (32.80 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
* DB15051_48E	-FG/RD	B	48	32.0 to 80.0	0.73	35.0	4000	8.29	292.67	30.81	1.21	61.5	110000
* DB15051_48L	-FG/RD	B	48	32.0 to 80.0	0.98	47.0	4400	9.15	323.25	37.20	1.46	63.5	100000
DB15051_48M	-FG/RD	B	48	32.0 to 80.0	1.25	60.0	4800	10.15	358.30	44.26	1.74	65.5	90000
DB15051_48H	-FG/RD	B	48	32.0 to 80.0	1.58	75.8	5200	10.97	387.50	51.90	2.04	68.0	70000
* DB15051_48U	-FG/RD	B	48	32.0 to 80.0	1.89	90.7	5500	11.61	409.82	57.28	2.26	69.0	70000
* DB15051_48S	-FG/RD	B	48	32.0 to 80.0	2.70	129.6	6200	12.88	454.93	73.00	2.87	72.5	70000



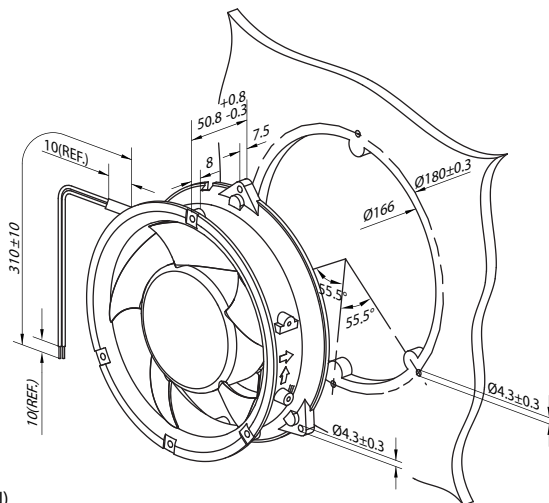
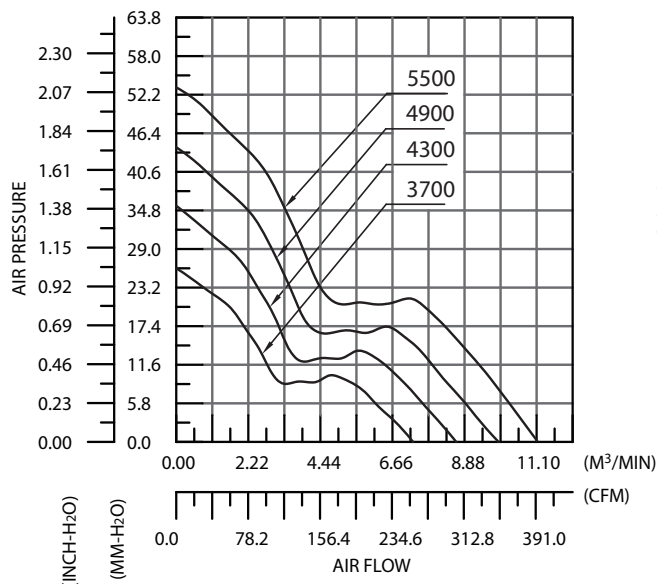
DC AXIAL FANS

DA SERIES Ø172×51 mm 12v,48v

- * Material: Impeller: Plastic (UL 94V-0) & Frame: Diecast Alminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CCW view from front face
- * Weight: 980g (34.57 OZ)



MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DA17251_12L	-FG/RD	B	12	7 to 13.2	2.1	25.2	3700	7.30	257.67	26.10	1.03	60	180000
DA17251_12M	-FG/RD	B	12	7 to 13.2	3.4	40.8	4300	8.62	304.57	35.50	1.40	63	180000
* DA17251_12H	-FG/RD	B	12	7 to 13.2	5.1	61.2	4900	9.93	350.63	44.30	1.74	66	130000
DA17251_48L	-FG/RD	B	48	32 to 56	0.5	24	3700	7.30	257.67	26.10	1.03	60	180000
DA17251_48M	-FG/RD	B	48	32 to 56	0.88	42.2	4300	8.62	304.57	35.50	1.40	63	180000
DA17251_48H	-FG/RD	B	48	32 to 56	1.1	52.8	4900	9.93	350.63	44.30	1.74	66	130000
* DA17251_48U	-FG/RD	B	48	32 to 56	1.6	76.8	5500	11.11	392.52	53.30	2.10	68	130000



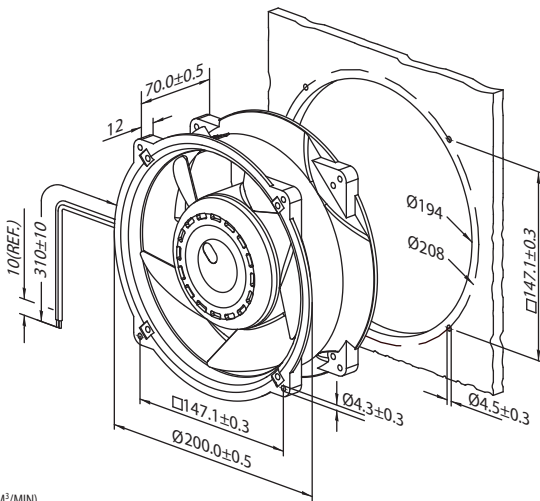
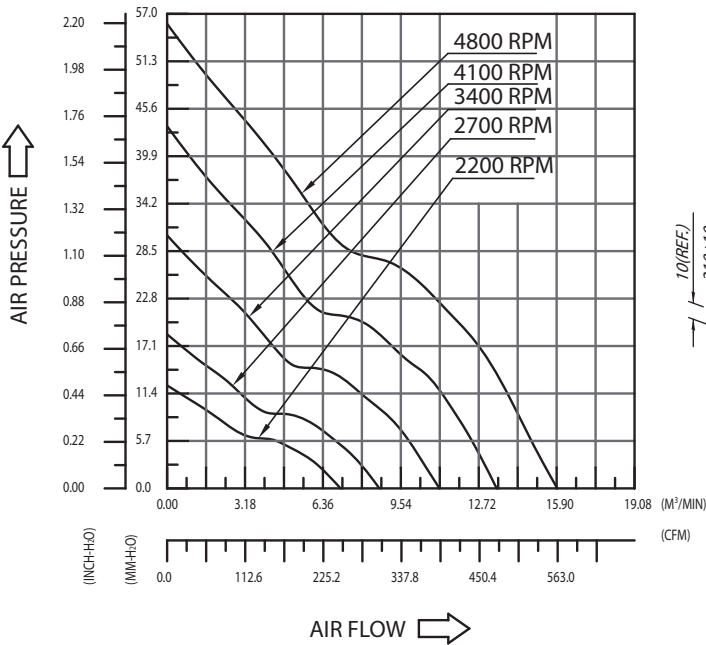


DC AXIAL FANS

DATA SERIES 200×70 mm 48v

- * Material: Impeller: Plastic (UL 94V-0) & Frame: Diecast Alminum
- * Lead Wires: UL 1007 AWG #22 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CW view from front face
- * Weight: 2000g (70.55 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
DATA2070_8L	-FG/RD	B	48	28.0 to 56.0	0.39	18.72	2200	7.079	250.0	12.4	0.488	44.4	70000
DATA2070_8M	-FG/RD	B	48	28.0 to 56.0	0.52	24.96	2700	8.656	305.7	18.5	0.728	49.1	70000
* DATA2070_8H	-FG/RD	B	48	28.0 to 56.0	0.8	38.4	3400	11.117	392.6	30.4	1.197	55.5	70000
* DATA2070_8U	-FG/RD	B	48	28.0 to 56.0	1.37	65.76	4100	13.451	475.0	43.5	1.713	60	70000
* DATA2070_8S	-FG/RD	B	48	28.0 to 56.0	2.1	100.8	4800	15.843	559.5	56.0	2.205	65	70000





DC Blower Fans

Blower Fans for DC Operations	108
Blower DC Fans List	109~118



Company profile

Information

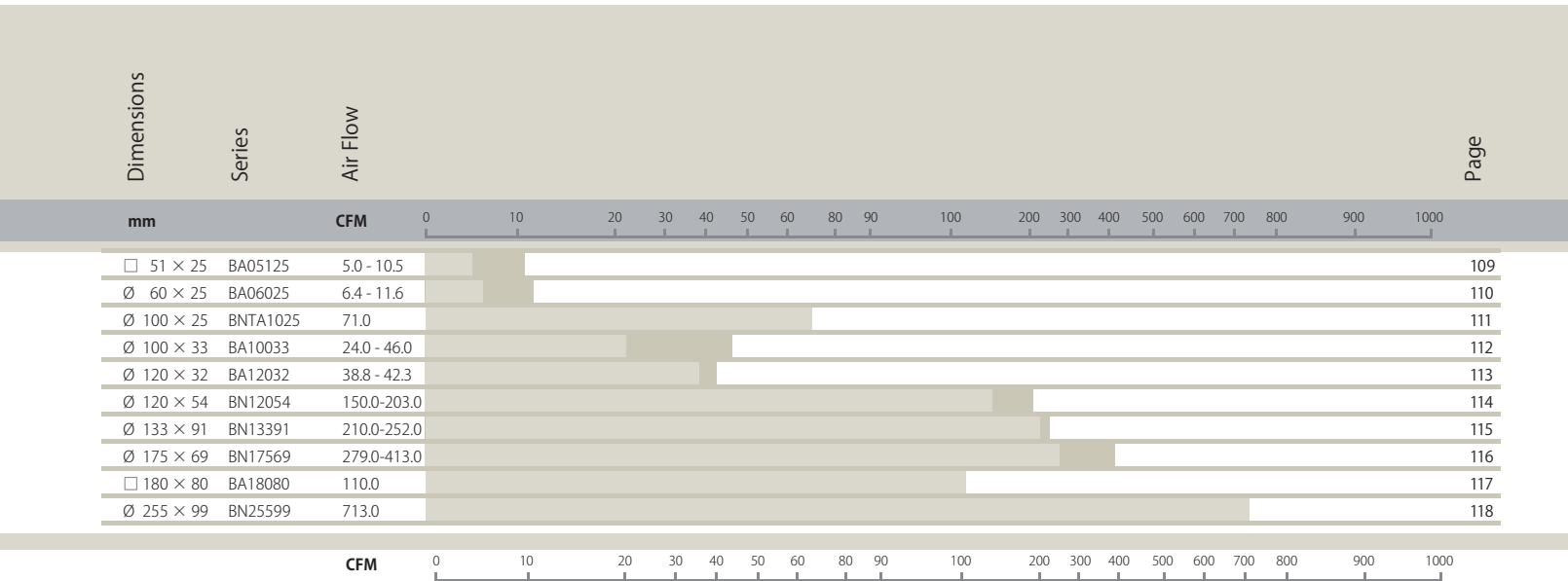
DC axial fans

DC blower fans

AC fans

Blower Fans for DC Operations

Overview Air Flow



Blower Fans		UL, TUV, CE, CCC		AHB - Sleeve Bearings / Ball Bearings		FG Signal	RD Signal	External Temperature sensor	PWM Control Input	Analogue Control Input	Internal Temperature sensor	IP >= IP55	Salt fog protection	Page
Series	mm	Dimensions												
BA05125	51 × 25	Yes	■	•	•									109
BA6025	60 × 25	Yes	■	•	•	•								110
BNTA1025	Ø100 × 25	Yes	■	•	•					•	•	•		111
BA10033	100 × 33	Yes	■	•	•	•				•	•			112
BA12032	120 × 32	Yes	■	•	•	•								113
BN12054	Ø120 × 54	Yes	■	•	•	•				•	•			114
BN13391	Ø133 × 91	Yes	■	•	•	•				•	•	•		115
BN17569	Ø175 × 69	Yes	■	•	•	•				•	•	•		116
BA18080	180 × 80	Yes	■	•	•	•				•	•			117
BN25599	Ø255 × 99	Yes	■	•	•	•				•	•	•		118

– unavailable ■ Sleeve Bearings
• available ■ Ball Bearings

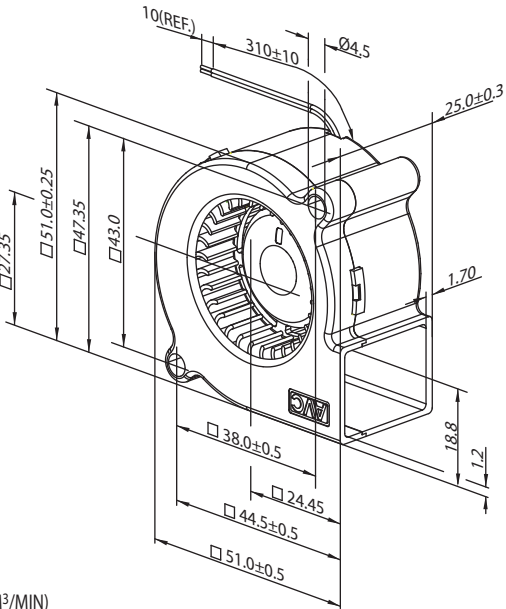
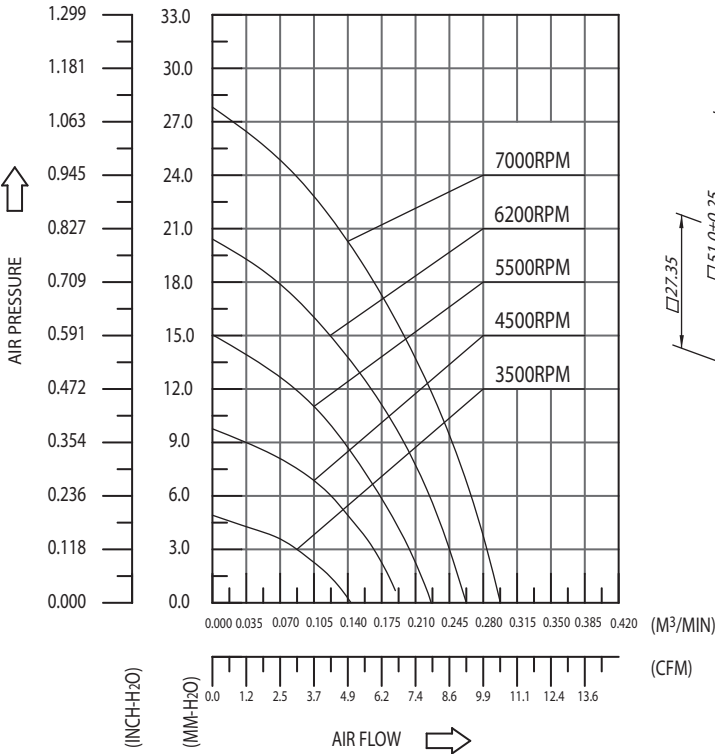


BLOWER DC FANS

BA SERIES
Ø51×25 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 31 Blades
- * Rotational direction CCW view from front face
- * Weight: 26g (1.27 OZ)

ASIA VITAL COMPONENTS CO., LTD. SixSigma															
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C		
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours		
*	BA05125_12L	FG/RD	B	12	5.0 to 13.2	0.20	2.4	3500	0.1438	5.07	4.916	0.1935	29.42	70000	
	BA05125_12M	FG/RD	B	12	5.0 to 13.2	0.25	3.00	4500	0.1874	6.618	9.07	0.3571	38.34	70000	
	BA05125_12H	FG/RD	B	12	5.0 to 13.2	0.30	3.60	5500	0.2256	7.965	15.02	0.5913	41.17	70000	
	BA05125_12U	FG/RD	B	12	5.0 to 13.2	0.35	4.20	6200	0.2621	9.255	20.382	0.8024	45.4	70000	
	BA05125_12S	FG/RD	B	12	5.0 to 13.2	0.45	5.40	7000	0.2981	10.527	27.801	1.0945	48.52	70000	



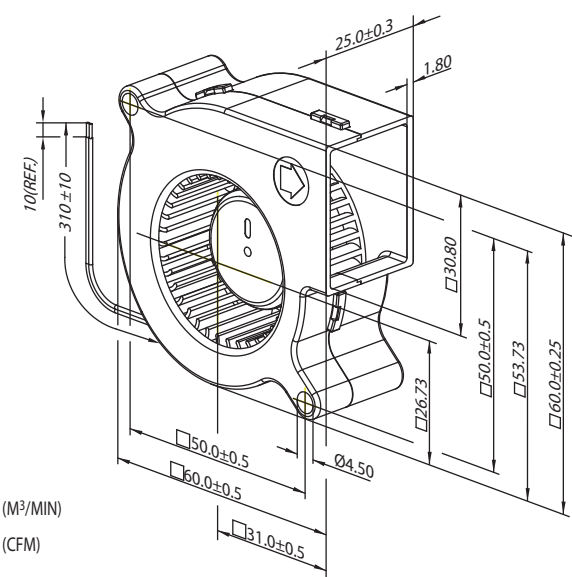
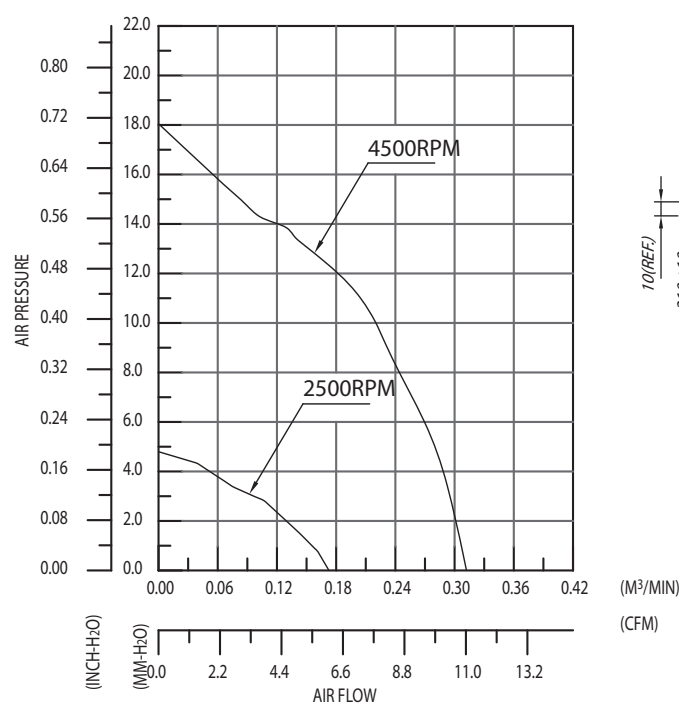


BLOWER DC FANS

BA SERIES Ø60×25 mm 12v,24v

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1061 AWG #26 or Equivalent
- * Impeller: 37 Blades
- * Rotational direction CCW view from front face
- * Weight: 43.7g (1.54 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
BA06025_12L	FG	B	12	10.8 to 13.2	0.25	3.00	2500	0.1826	6.447	4.339	0.1708	29.1	70000
BA06025_12M	FG	B	12	10.8 to 13.2	0.30	3.60	3500	10.2496	8.813	10.449	0.4114	39.12	70000
* BA06025_12H	FG	B	12	10.8 to 13.2	0.35	4.20	4500	0.3286	11.602	20.772	0.8178	43.83	70000
BA06025_24L	FG	B	24	21.6 to 26.4	0.20	4.80	2500	0.1826	6.447	4.339	0.1708	29.1	70000
BA06025_24M	FG	B	24	21.6 to 26.4	0.25	6.00	3500	10.2496	8.813	10.449	0.4114	39.12	70000
* BA06025_24H	FG	B	24	21.6 to 26.4	0.30	7.20	4500	0.3286	11.602	20.772	0.8178	43.83	70000



BLOWER DC FANS

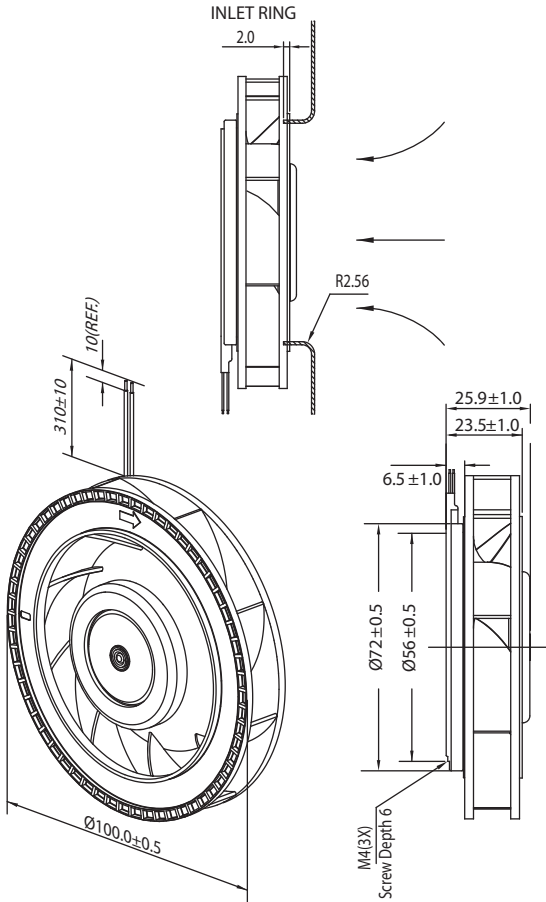
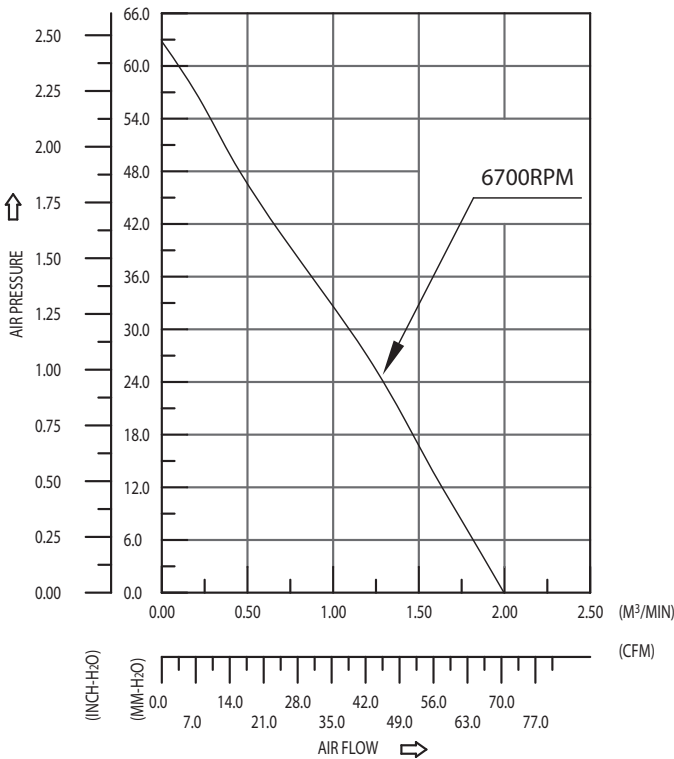
BNTA SERIES
Ø100×25 mm 48v

- * Material: Impeller:Plastic (UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 9 Blades
- * Rotational direction CW view from front face
- * Weight: 123g (4.34 OZ)



ASIA VITAL COMPONENTS CO., LTD. SixSigma														
MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	

BNTA1025B8S	-FG	B	48	36 to 56	0.42	20.16	6700	1.997	70.52	62.80	2.472	65.1	120000
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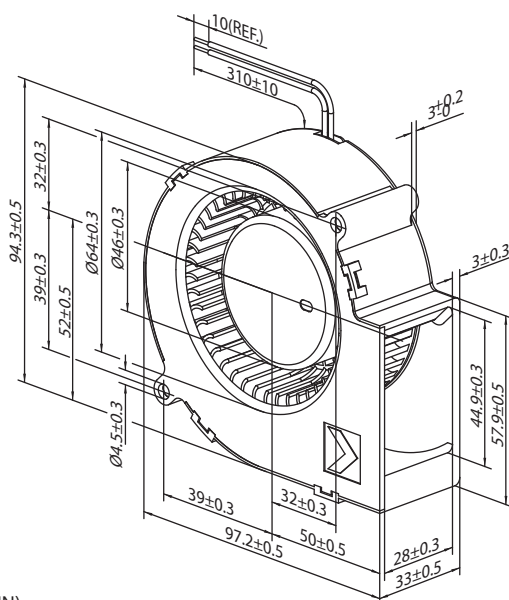
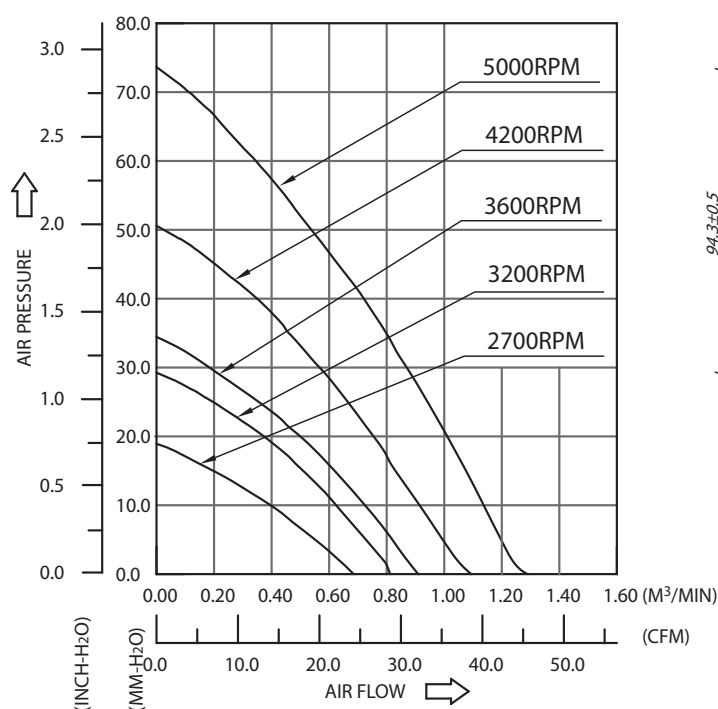


BLOWER DC FANS

BA SERIES
Ø100×33 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 43 Blades
- * Rotational direction CCW view from front face
- * Weight: 180 g (6.35 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
BA10033_12L	-FG/RD	B	12	7.0 to 13.8	0.38	4.56	2700	0.685	24.20	18.93	0.745	48.0	50000
BA10033_12M	-FG/RD	B	12	7.0 to 13.8	0.66	7.92	3200	0.812	28.67	29.18	1.149	52.4	50000
BA10033_12H	-FG/RD	B	12	7.0 to 13.8	0.88	10.56	3600	0.910	32.13	34.45	1.356	54.7	50000
BA10033_12U	-FG/RD	B	12	7.0 to 13.8	1.55	18.60	4200	1.094	38.63	50.59	1.992	58.5	50000
BA10033_12S	-FG/RD	B	12	7.0 to 13.2	1.90	22.80	5000	1.290	45.57	73.64	2.900	62.5	50000

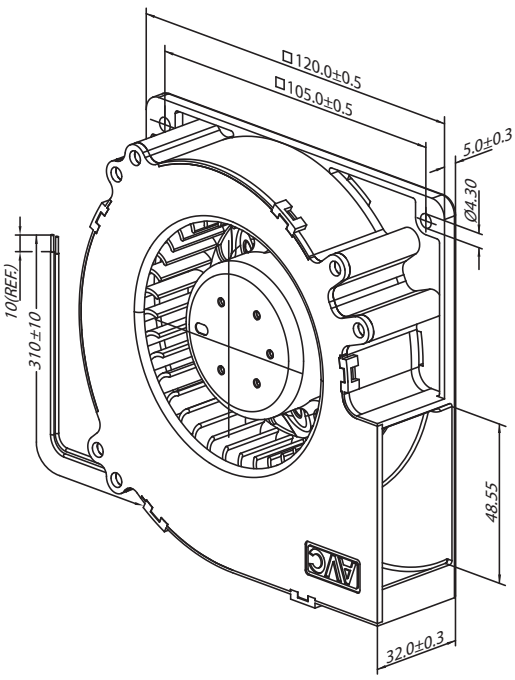
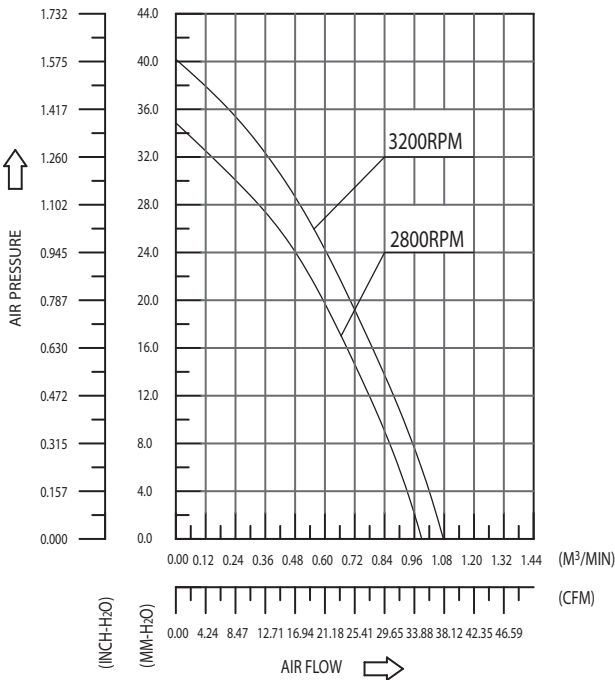


BLOWER DC FANS

BA SERIES Ø120×32 mm

- * Material: Impeller & Frame: Plastic (UL 94V-0)
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 37 Blades
- * Rotational direction CCW view from front face
- * Weight: 256 g (9.03 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
BA12032_12H	FG	B	12	5.0 to 13.2	1.60	19.20	2800	1.098	38.802	34.815	1.370	54.61	70000
BA12032_12U	FG	B	12	5.0 to 13.2	2.00	24.00	3200	1.1994	42.352	40.188	1.5822	56.12	70000

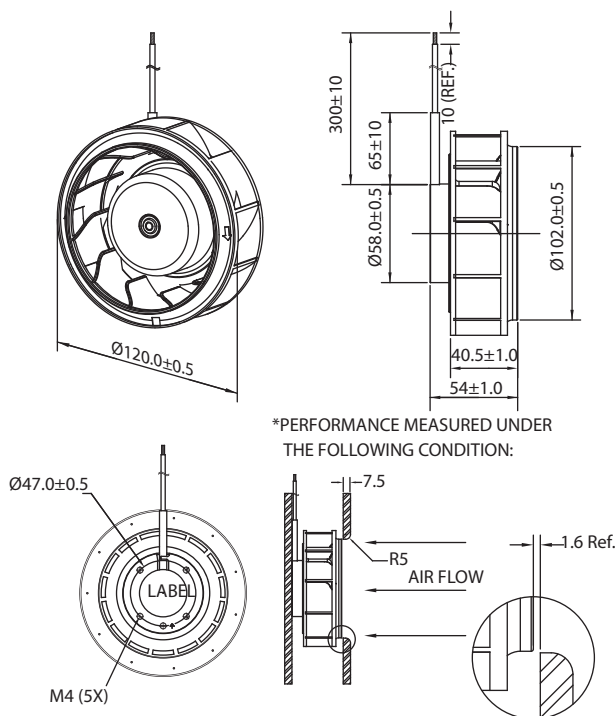
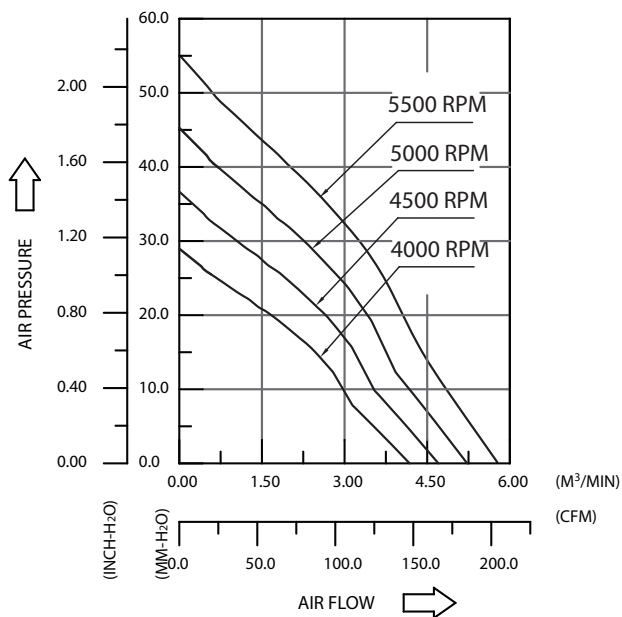


BLOWER DC FANS

BN SERIES Ø120×54 mm 48v

- * Impeller: Plastic(UL 94V-0)
- * Motor Base: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CW view from front face
- * Weight: 420g (14.82 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow	Maximum Air Pressure	Acoustic Noise	Life expectancy L ₁₀ @40°C			
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours	
BN12054B_48H	-FG/RD	B	48	32.0 to 56.0	0.44	21.1	4000	4.253	150.2	28.30	1.114	62.0	80000	
* BN12054B_48U	-FG/RD	B	48	32.0 to 56.0	0.55	26.4	4500	4.684	165.4	35.63	1.403	65.5	80000	
BN12054B_48S	-FG/RD	B	48	32.0 to 56.0	0.75	36.0	5000	5.340	188.6	47.77	1.881	68.0	80000	
BN12054B_48F	-FG/RD	B	48	32.0 to 56.0	1.10	52.8	5500	5.748	203.0	54.70	2.154	71.0	80000	

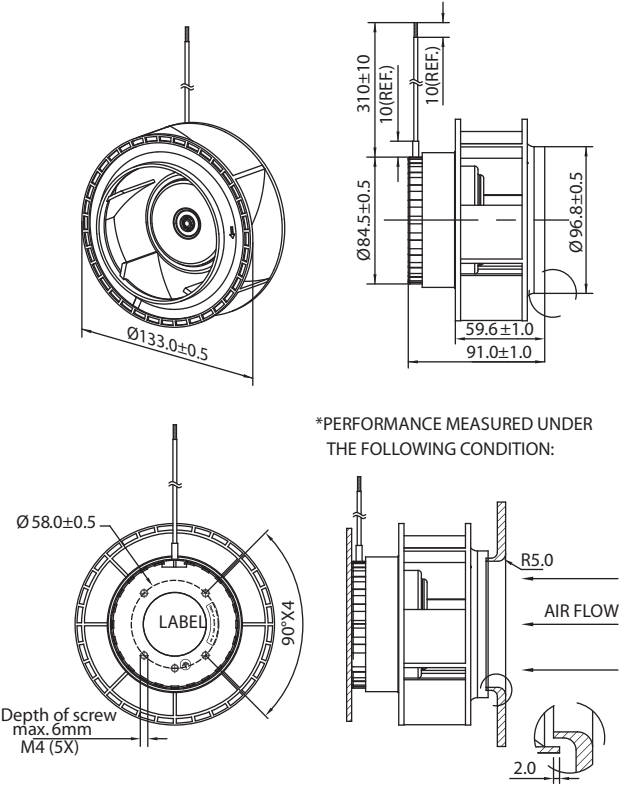
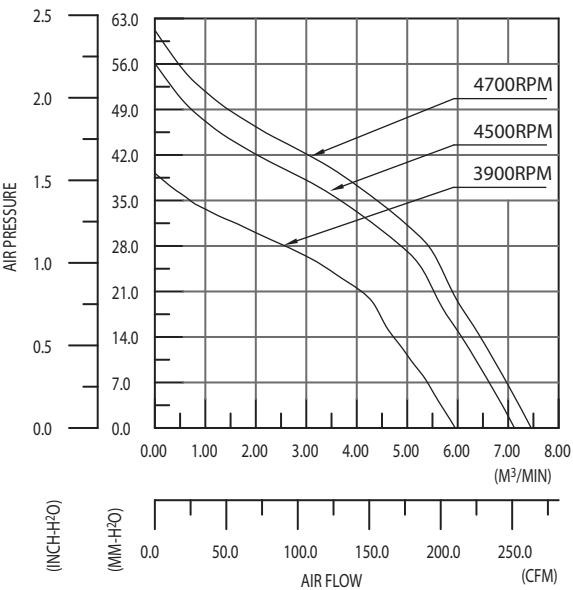


BLOWER DC FANS

BN SERIES
Ø133×91 mm 12v,48v

- * Material: Impeller: Plastic(UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #22 or Equivalent
- * Impeller: 5 Blades
- * Rotational direction CW view from front face
- * Weight: 700 g (24.69 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L10@40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH₂O	IN H₂O	dB-A	hours
BN13391_12U	-FG/RD	B	12	8 to 14	2.70	32.4	3900	5.94	209.63	39.2	1.54	62.0	100000
* BN13391_48U	-FG/RD	B	48	32 to 57	0.70	33.6	3900	5.94	209.63	39.2	1.54	62.0	100000
* BN13391_48S	-FG/RD	B	48	32 to 57	1.00	48.0	4500	7.14	252.1	56.1	2.21	67.0	100000



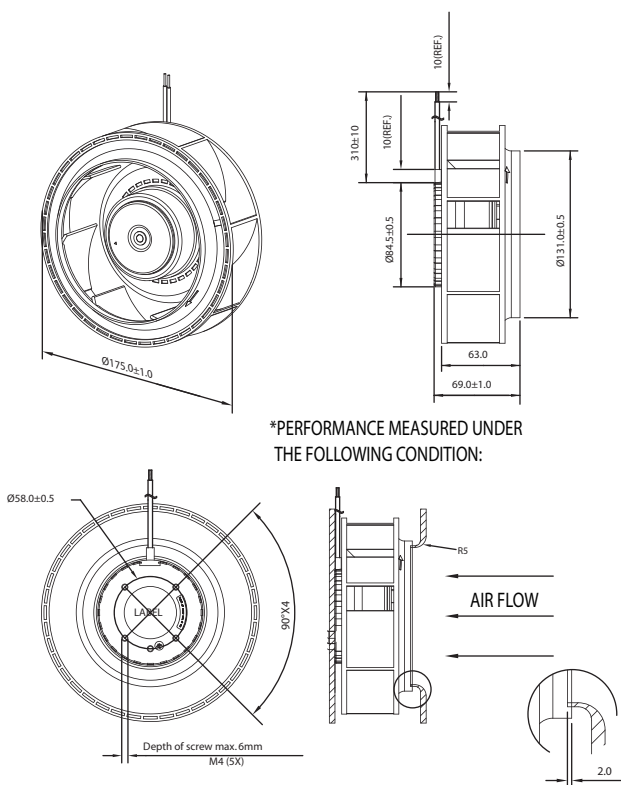
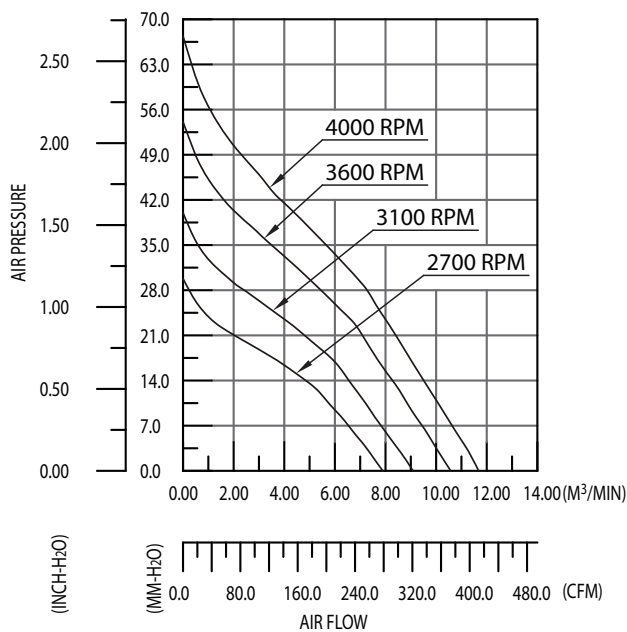
BLOWER DC FANS



BN SERIES Ø175×69 mm 48v

- * Material: Impeller (UL 94V-0) & Frame: Diecast Aluminum
- * Lead Wires: UL 1007 AWG #22 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CW view from front face
- * Weight: 830g (29.28 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
BN17569_48L	-FG/RD	B	48	32 to 80	0.50	24.0	2700	7.892	278.72	29.8	1.173	62.5	70000
* BN17569_48M	-FG/RD	B	48	32 to 80	0.75	36.0	3100	9.086	320.86	40.0	1.575	66.0	70000
BN17569_48H	-FG/RD	B	48	28 to 60	1.15	55.2	3600	10.575	373.44	54.1	2.130	69.5	70000
BN17569_48U	-FG/RD	B	48	28 to 53	1.55	74.4	4000	11.68	412.46	67.4	2.654	72.5	70000



*PERFORMANCE MEASURED UNDER
THE FOLLOWING CONDITION:





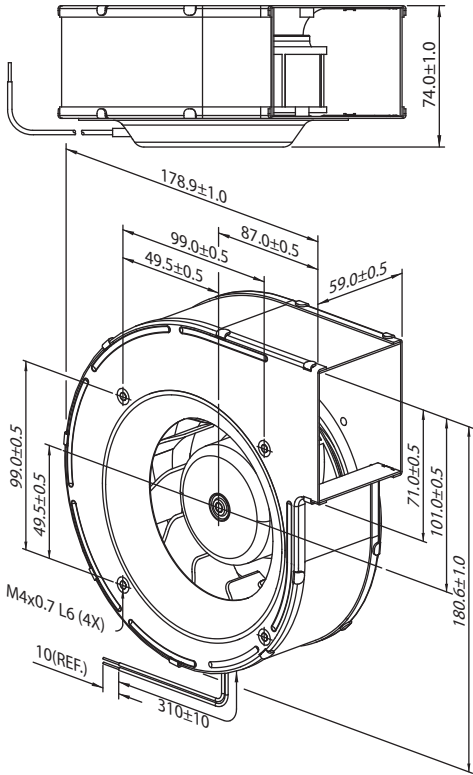
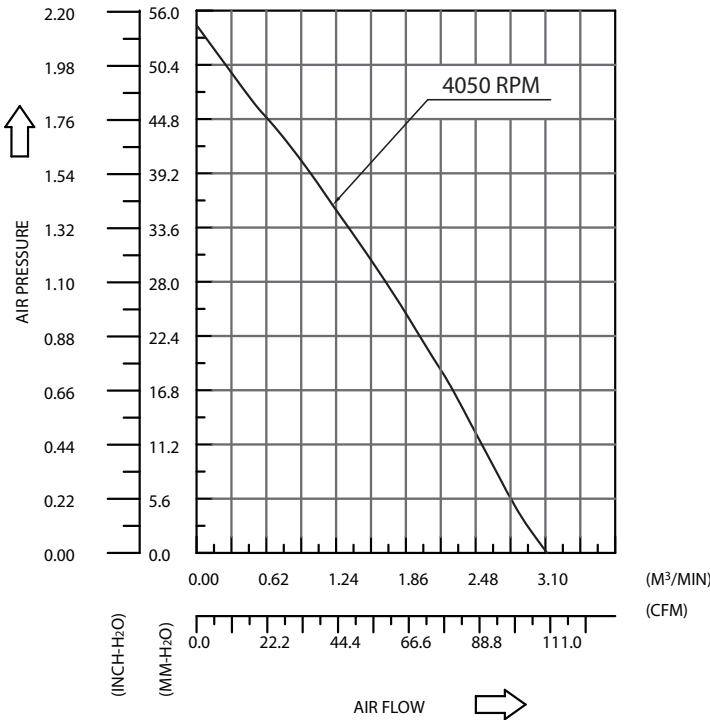
BLOWER DC FANS

BA SERIES
180×180×80 mm 48v

- * Material: Impeller: Plastic (UL 94V-0) Frame: SGCC
- * Lead Wires: UL 1007 AWG #24 or Equivalent
- * Impeller: 11 Blades
- * Rotational direction CW view from front face
- * Weight: 1150 g (40.57 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours

BA18080_48U	-FG/RD	B	48	36 to 57	0.55	26.4	4050	3.115	110	54.5	2.146	66.5	70000
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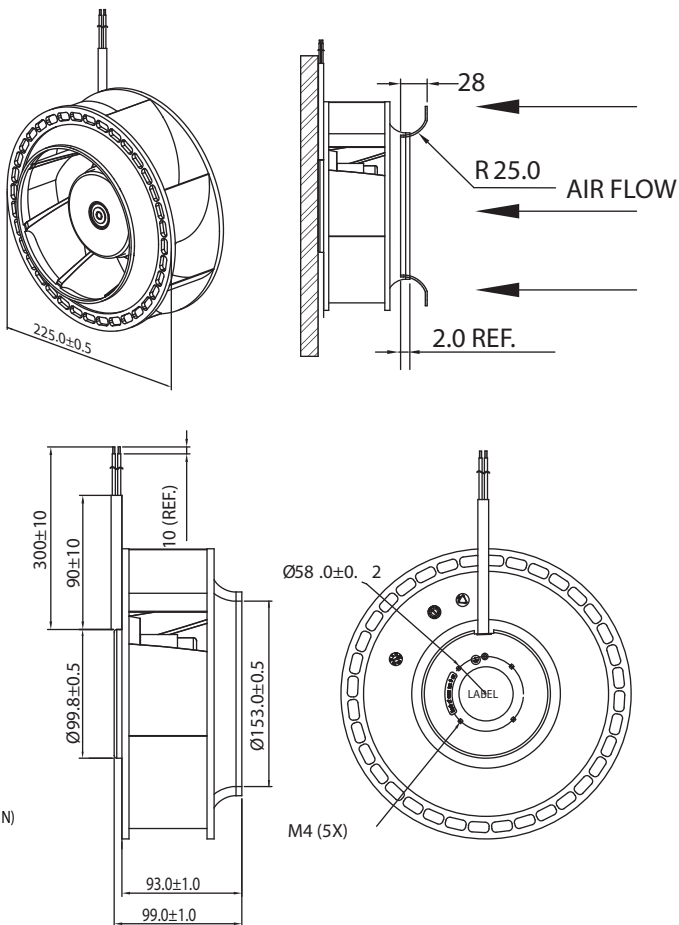
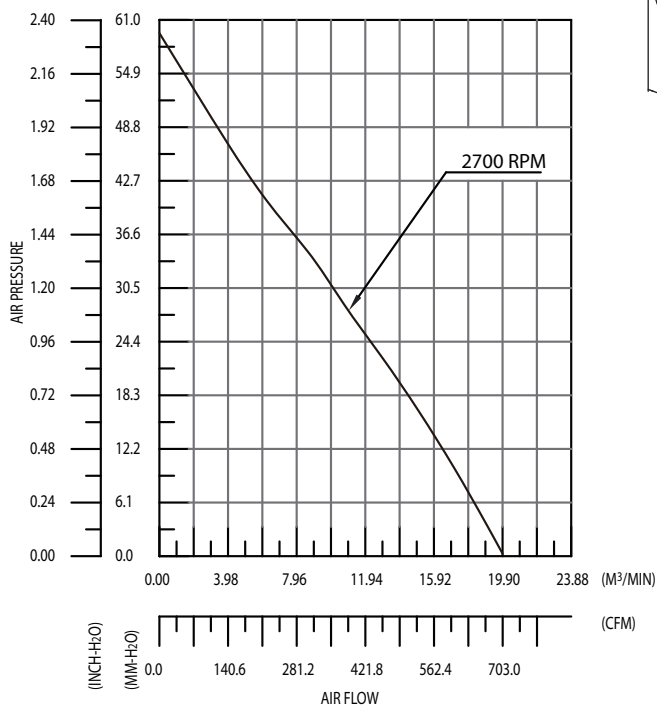
BLOWER DC FANS



BN SERIES
Ø225×99 mm 48v

- * Material: Impeller:Plastic (UL 94V-0) & Frame:Diecast Aluminum
- * Lead Wires: UL 1430 AWG22 or Equivalent
- * Impeller: 7 Blades
- * Rotational direction CW view from front face
- * Weight: 1650g (58.2 OZ)

MODEL		Bearing Type	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Acoustic Noise	Life expectancy L ₁₀ @40°C
PART NO.	SIGNAL	B.T.S.R	VDC	VDC	Amp	Watt	R.P.M.	m³/min	CFM	mmH ₂ O	IN H ₂ O	dB-A	hours
BN22599_48H	-FG/RD	B	48	36 to 56	2.60	124.8	2700	20.19	702	62.65	2.47	73.5	40000



AC Axial Fans

AC Axial Fans for Operations	120
AC Axial Fans List	121~135



Company profile

Information

DC axial fans

DC blower fans

AC fans

Axial Fans for AC Operations

Overview Air Flow

Dimensions	Series	Air Flow															Page
			mm	CFM	0	100	200	500	600	800	1000	1200	1500	1800			
□ 120× 38	D7KB1238BBH5	102 - 119															121
□ 120× 38	D7KC1238BBH5	98.5 - 117															122
□ 120× 38	D7AA1238BBUC	185.41															123
□ 172× 38	D3KB1738BBH3	190 - 224															124
□ 172× 51	D3KC1751BBH3	234 - 275															125
□ 172× 55	D3KB1755BBH3	198.5 - 234															126
□ 225× 80	D4KA2280BBH3	505 - 570															127
Ø 232× 80	D5KA2380BBH3	480 - 540															128
□ 280× 80	D4KA2880BBH3	1088 - 1130															129
Ø 190× 68.5	B5AA1968BBH3	324 - 369															130
Ø 220× 71	B5AA2271BBH3	509 - 542															131
Ø 225× 99	B5AA2299BBH3	674 - 747															132
Ø 250× 89	B5AA2589BBH3	690 - 733															133
□ 180× 215	B2AA18M5BBH3	392 - 420															134
□ 172× 84	D5AA1784BDLC	239															135

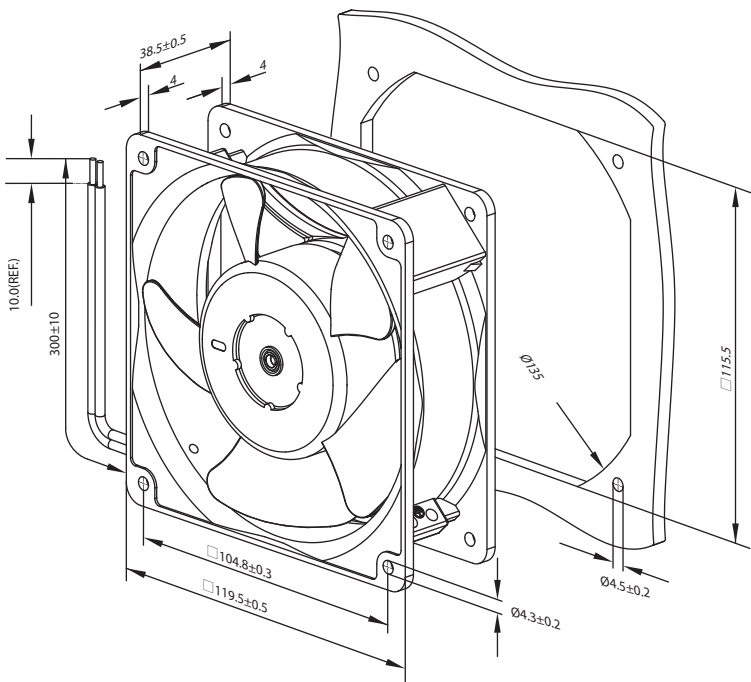
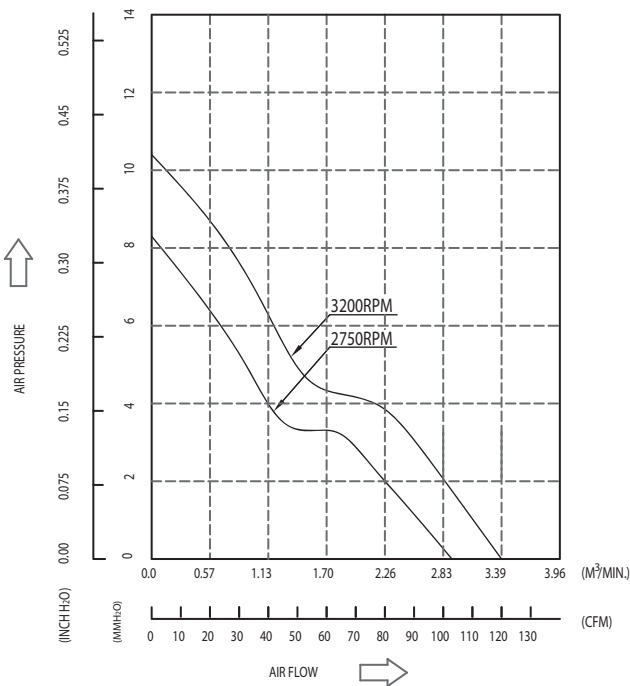


AC AXIAL FANS

D7 SERIES 120×120×38 mm

- * Material: Impeller:Plastic (UL 94 V0) Frame: Aluminum Alloy
- * Lead Wires: Wire/Terminal
- * Impeller: 5 Blades Type of protection: IP54
- * Mass: 486g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Voltage Rated	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Service Life L10 at 40 °C	Acoustic Noise	Certification
PART NO.	B.T.S.R	VAC	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	Hour	dB-A	
D7KB1238BBH5w	B	230	220 to 240	50/60	0.07/0.07	15/15	2750/3200	101.5/119	0.35/0.44	-10~70	50000	44/48	UL, TUV, CE, CCC
D7KA1238BAH5w	B	115	105 to 125	50/60	0.11/0.11	11.5/11.5	2750/3200	101.5/119	0.35/0.44	-10~70	50000	44/48	UL, CCC





- * Material: Impeller: Plastic (UL 94 V0) Frame: Aluminum Alloy
- * Lead Wires: Wire/Terminal
- * Impeller: 5 Blades Type of protection: IP54
- * Rotational direction : CW looking at rotor
- * Mass: 482g
- * Air flow direction: outlet looking at rotor

Technical drawing of the fan assembly showing dimensions and tolerances:

- Top view dimensions:
 - Overall width: 38.5 ± 0.5
 - Mounting hole spacing: 4
- Side view dimensions:
 - Mounting hole diameter: $\varnothing 4.3 \pm 0.2$
 - Mounting hole diameter: $\varnothing 4.5 \pm 0.2$
 - Mounting hole diameter: $\varnothing 4.3 \pm 0.2$
- Front view dimensions:
 - Overall width: 104.8 ± 0.3
 - Overall width: 119.5 ± 0.5
- Other dimensions:
 - Mounting hole diameter: $\varnothing 4.3 \pm 0.2$
 - Mounting hole diameter: $\varnothing 4.5 \pm 0.2$
 - Mounting hole diameter: $\varnothing 4.3 \pm 0.2$



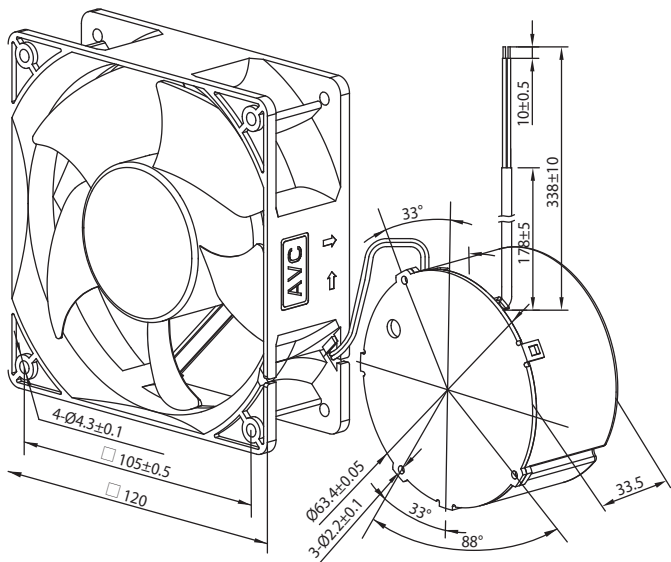
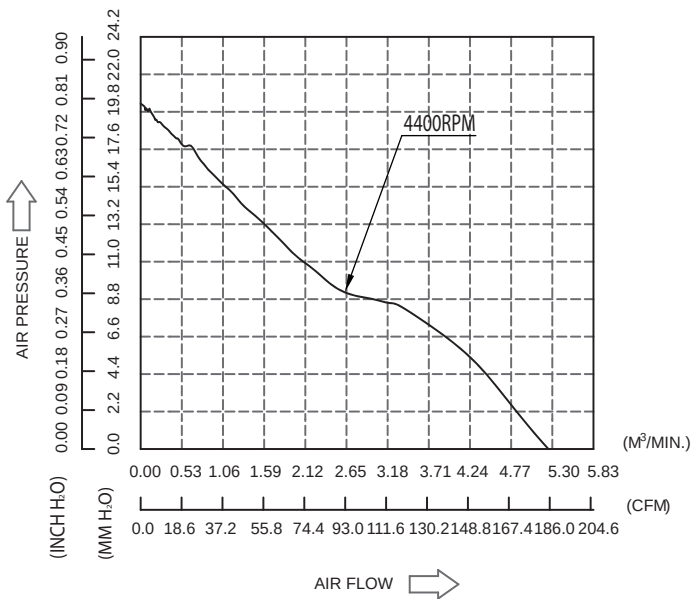
EC AXIAL FANS

D7 SERIES 120×120×38 mm

- * Material:
Impeller: Plastic (UL94V-0)
Frame: Plastic
- * Lead Wires: Wire
- * Impeller: 5 Blades
- * Rotational direction: CCW looking at rotor
- * Mass: 498g
- * Air flow direction: inlet looking at rotor
- * Type of protection: IP54

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	dB-A	Hour	

D7AA1238BBUCZAW	B	220~240	50/60	0.165	21.5	4400	185	0.80	-20~70	62	70000	UL, TUV, CE, CCC
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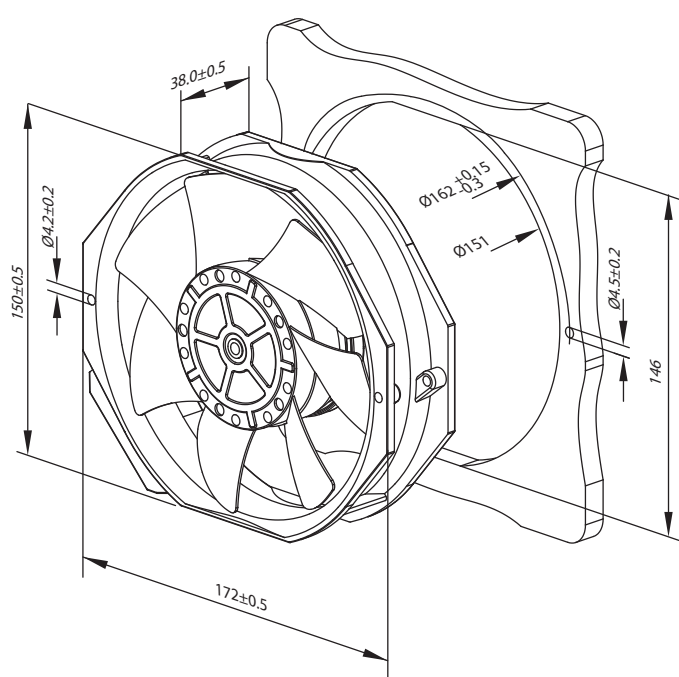
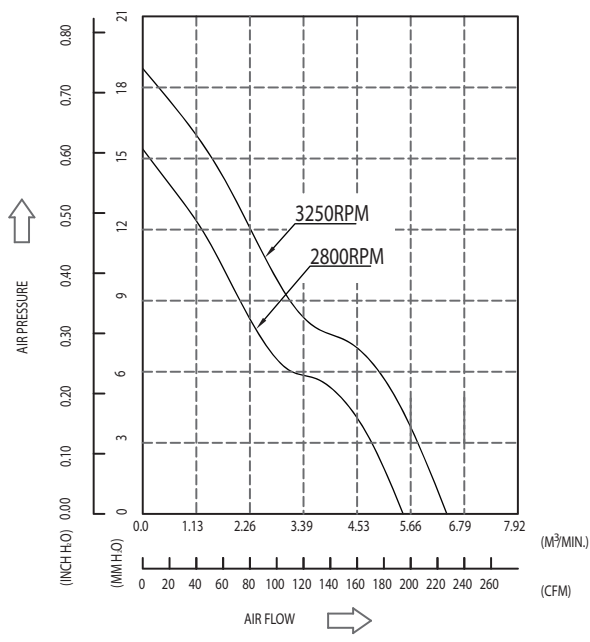


AC AXIAL FANS

D3 SERIES 172×150×38 mm

- * Material: Steel coating black Frame: Aluminum Alloy
- * Lead Wires: Wire/Terminal
- * Impeller: 7 Blades Type of protection: IP54
- * Mass: 840g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Voltage Rated	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Service Life L10 at 40 °C	Acoustic Noise	Certification
PART NO.	B.T.S.R	VAC	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	Hour	dB-A	
D3KB1738BBH3W	B	230	220 to 240	50/60	0.11/0.12	27/28	2800/3200	190/224	0.57/0.70	-10~70	50000	53/57	UL, TUV, CE, CCC
D3KB1738BAH3W	B	115	105 to 125	50/60	0.26/0.24	27/28	2800/3200	190/224	0.57/0.70	-10~70	50000	53/57	UL, CCC



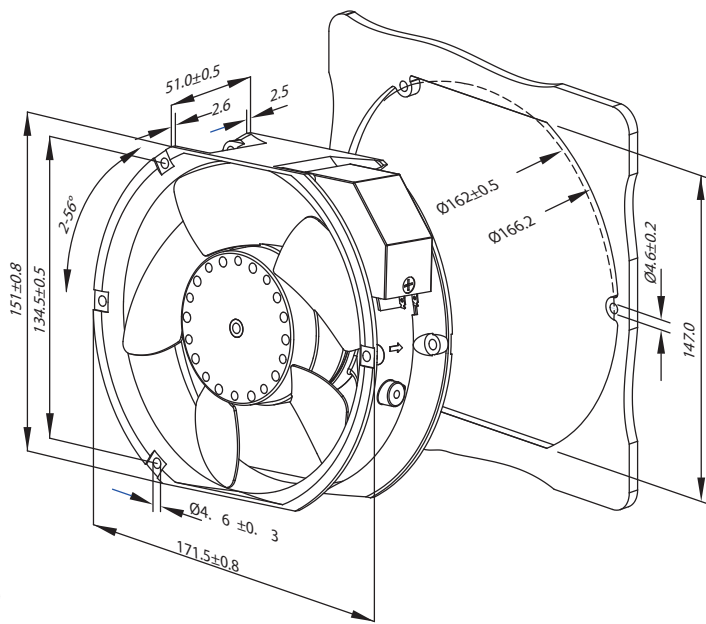
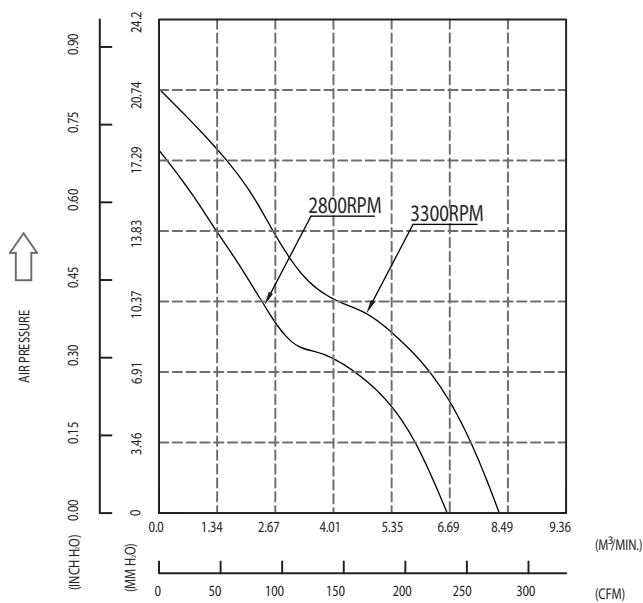
AC AXIAL FANS

D3 SERIES 172×150×51 mm

- * Material: Steel coating black Frame: Aluminum Alloy
- * Lead Wires: Wire/Terminal
- * Impeller: 5 Blades Type of protection: IP54
- * Rotational direction : CCW looking at rotor
- * Mass: 1030g
- * Air flow direction: inlet looking at rotor



MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	μF/VDB	°C	dB-A	Hour	
D3KC1751BBH3W	B	220 to 240	50/60	0.12/0.11	27/27	2800/3300	234/275	0.70/0.81	1.0/450	-10~+70	57/61	50000	UL, TUV, CE, CCC



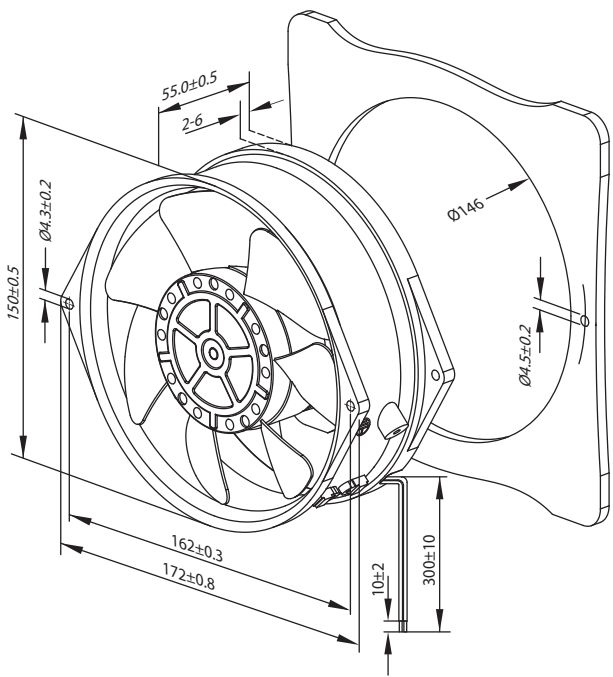
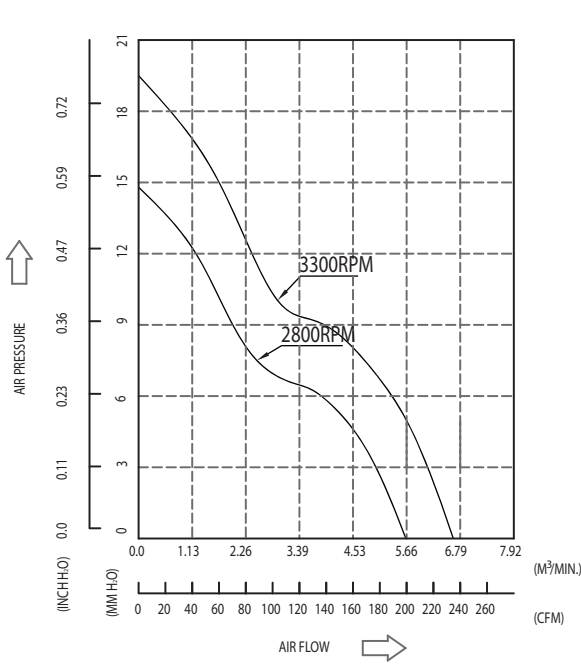


AC AXIAL FANS

D3 SERIES 172×150×55 mm

- * Material: Steel coating black Frame: Aluminum Alloy
- * Lead Wires: Wire
- * Impeller: 7 Blades Type of protection: IP54
- * Rotational direction : CCW looking at rotor
- * Mass: 990g
- * Air flow direction: inlet looking at rotor

ASIA VITAL COMPONENTS LTD. Six Sigma													
MODEL	Bearing Type	Voltage Rated	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Service Life L10 at 40 C	Acoustic Noise	Certification
PART NO.	B.T.S.R	VAC	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	Hour	dB-A	
D3KB1755BBH3W	B	230	220 to 240	50/60	0.11/0.12	25/28	2800/3300	198.5/234	0.61/0.81	-10~70	50000	51/55	UL, TUV, CE, CCC
D3KB1755BAH3W	B	115	105 to 125	50/60	0.26/0.23	25/25	2800/3300	198.5/234	0.60/0.79	-10~70	50000	51/55	UL, CCC



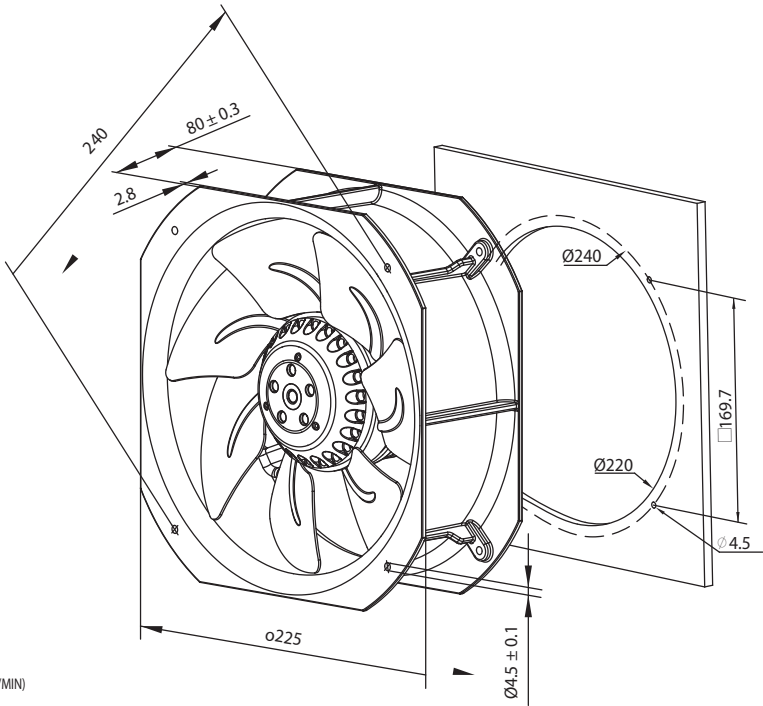
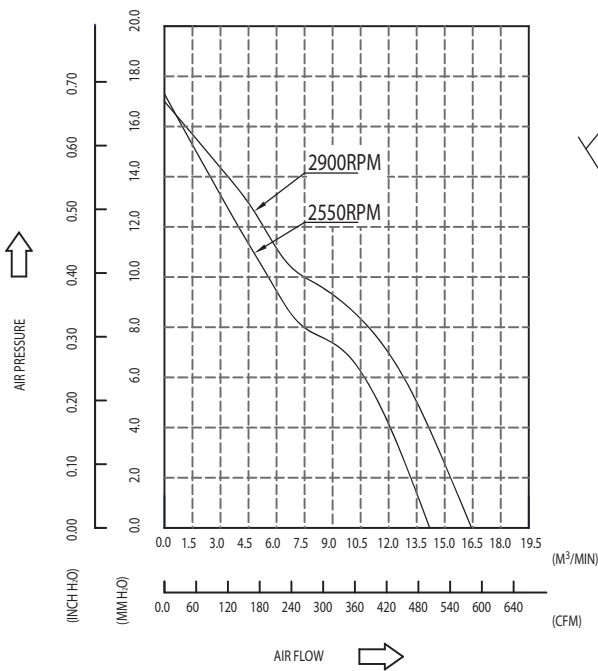


AC AXIAL FANS

D4 SERIES
225×225×80 mm

- * Material:
Frame: Aluminum Alloy; Blades : Sheet steel, coated in black; Rotor : Coated in black
- * Lead Wires: Wire
- * Impeller: 7 Blades
- * Rotational direction: CCW looking at rotor
- * Type of protection : IP44
- * Insulation class : B
- * Mass: 2000g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	µF/VDB	°C	dB-A	Hour	
D4KA2280BBH3WAW	B	220 ~240	50	0.28	57	2550	505	0.72	1.5/450	-25~60	58	63000	UL, TUV, CE, CCC
		220 ~240	60	0.32	71	2900	570	0.69	1.5/450	-25~60	60		UL, CCC

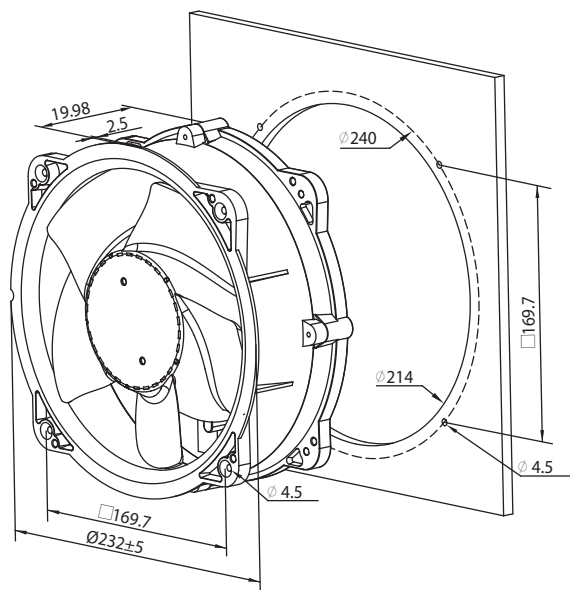
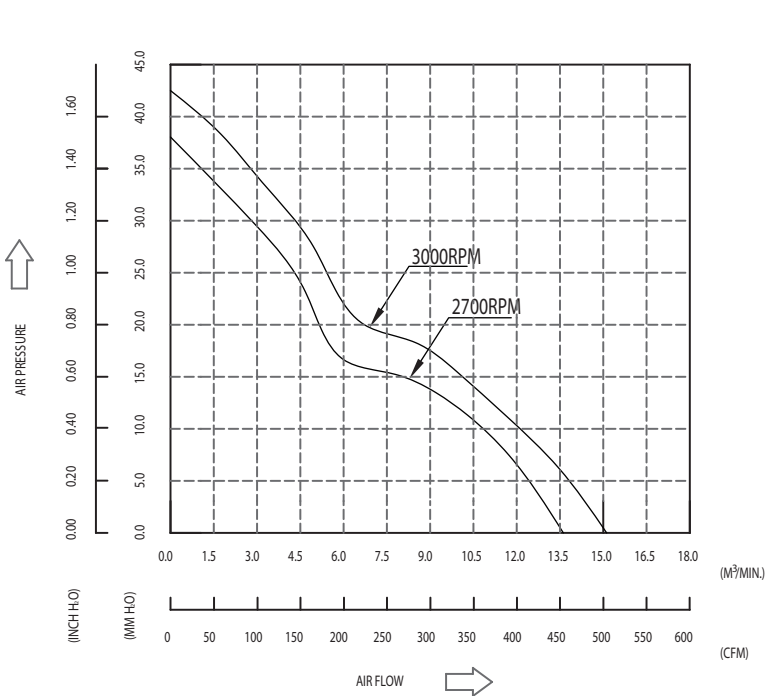


AC AXIAL FANS

D5 SERIES
Ø232×80 mm

- * Material: Impeller: Plastic (UL 94V0) Frame: Aluminum Alloy
- * Lead Wires: Terminal
- * Impeller: 5 Blades
- * Rotational direction: CCW looking at rotor
- * Type of protection: IP44
- * Insulation class: "F"
- * Mode of operation: Continuous operation(S1)
- * Mass: 2652g

MODEL	Bearing Type	Voltage Rated		Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Service Life L10 at 40°C	Acoustic Noise	Certification
PART NO.	B.T.S.R	VAC	VAC	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	Hour	dB-A	
D5KA2380BBH3WAW	B	230	220 to 240	50	0.32	70	2700	480	1.50	-25~+72	60000	65	UL, TUV, CE, CCC	
		230	220 to 240	60	0.40	92	3000	540	1.65	-25~+72		69	UL, CCC	



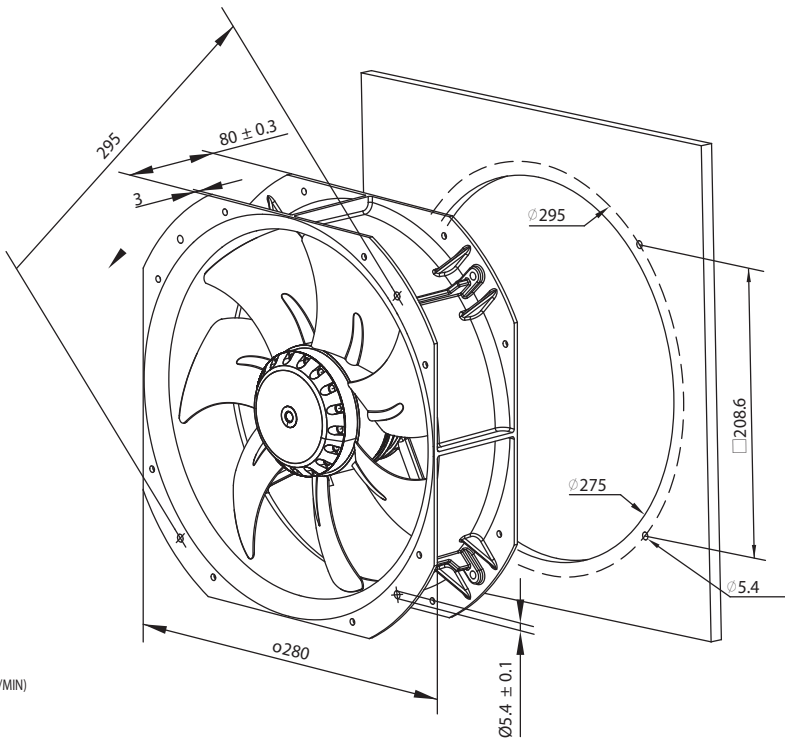
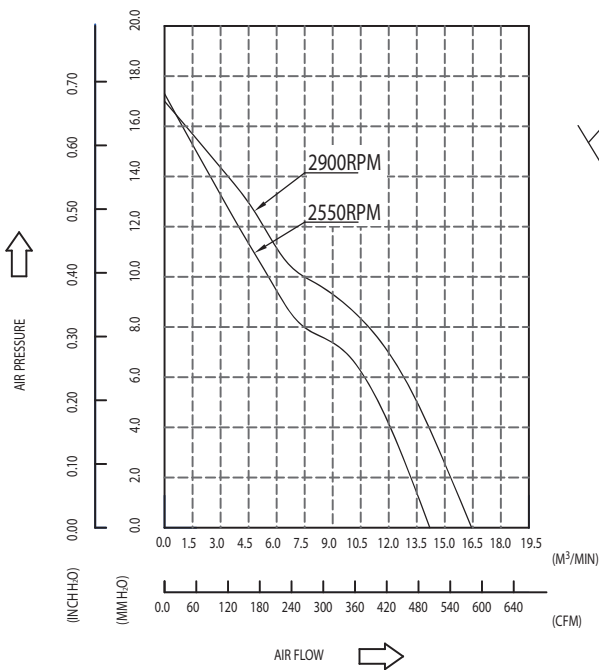


AC AXIAL FANS

D4 SERIES
280×280×80 mm

- * Material:
Frame: Aluminum Alloy; Blades : Sheet steel, coated in black; Rotor : Coated in black
- * Lead Wires: Wire
- * Impeller: 7 Blades
- * Rotational direction: CCW looking at rotor
- * Type of protection : IP44
- * Insulation class : F
- * Mass: 3000g
- * Rotational direction: CCW looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	μF/400	°C	dB-A	Hour	
D4KA2880BBH3WAW	B	220 ~240	50	0.57	129	2550	1088	0.85	4.0/400	-25~60	68	63000	UL, TUV, CE, CCC
		220 ~240	60	0.80	182	2650	1130	0.70	4.0/400	-25~45	70		UL, CCC

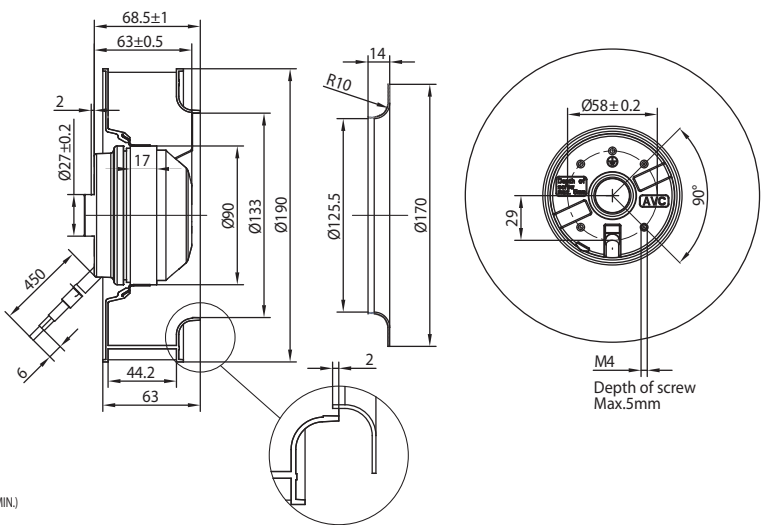
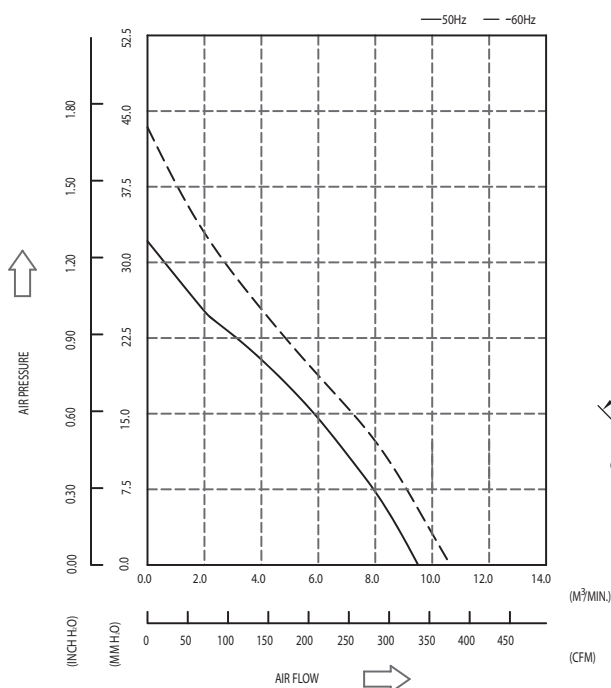


AC CENTRIFUGAL FANS

B5 SERIES Ø190×68.5 mm

- * Material: Impeller: Plastic (UL 94V0) Frame: Aluminum Alloy
- * Lead Wires: Wire
- * Impeller: 7 Blades
- * Rotational direction: CW looking at rotor
- * Type of protection: IP44
- * Insulation class: "B"
- * Mode of operation: Continuous operation(S1)
- * Mass: 1280g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	μF/DB	°C	dB-A	Hour	
B5AA1968BBH3WAW	B	220 ~ 240	50	0.29	64	2500	324	1.29	2.0/450	-25~50	64	40000	UL, TUV, CE, CCC
		220 ~ 240	60	0.33	77	2800	369	1.76	2.0/450	-25~55	67		UL, CCC



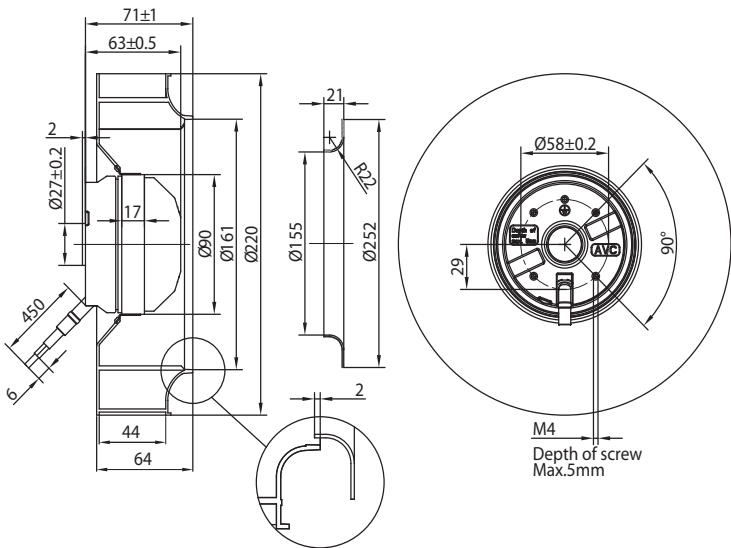
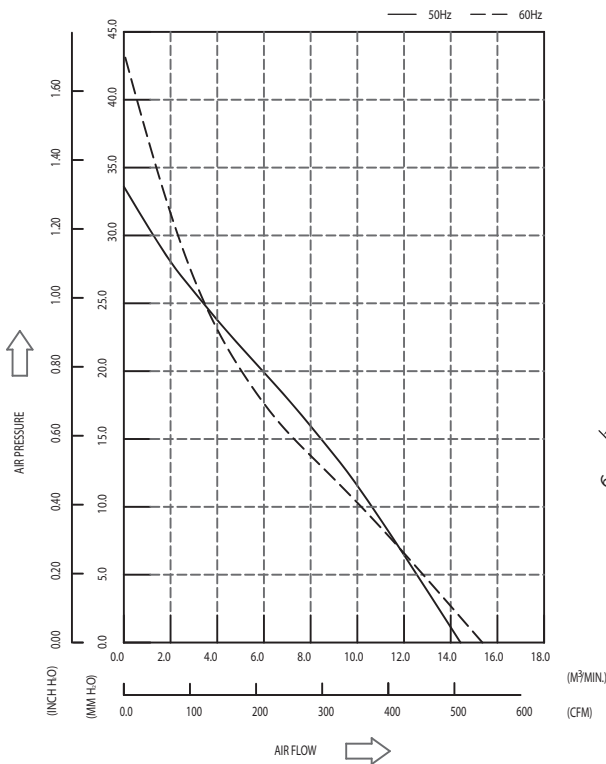


AC CENTRIFUGAL FANS

B5 SERIES Ø220×71 mm

- * Material: Impeller: Plastic (UL 94V0) Frame: Aluminum Alloy
- * Lead Wires: Wire
- * Impeller: 11 Blades
- * Rotational direction: CW looking at rotor
- * Type of protection: IP44
- * Insulation class: "B"
- * Mode of operation: Continuous operation(S1)
- * Mass: 1380g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	µF/VDB	°C	dB-A	Hour	
B5AA2271BBH3WAW	B	220 ~ 240	50	0.38	86	2350	509	1.32	3.0/450	-25~40	66	40000	UL, TUV, CE, CCC
		220 ~ 240	60	0.38	86	2500	542	1.71	2.0/450	-25~40	67		UL, CCC



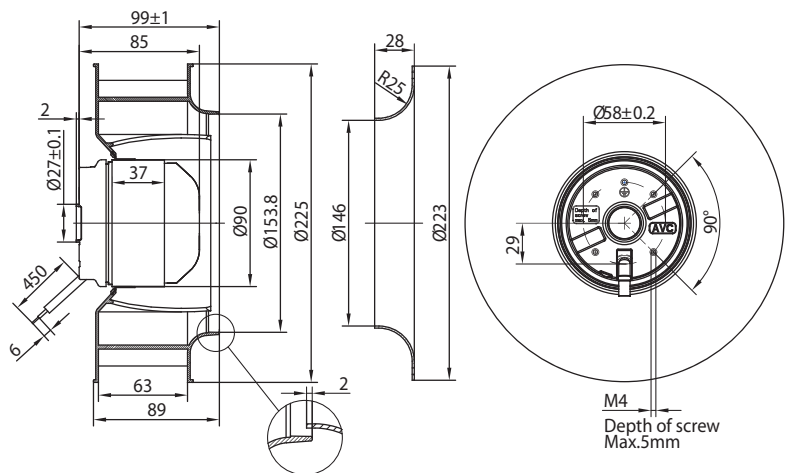
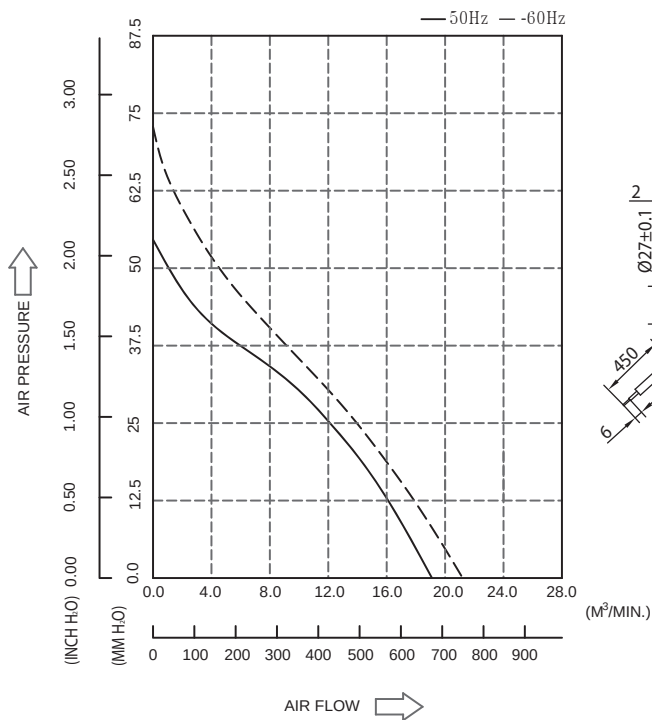


AC CENTRIFUGAL FANS

B5 SERIES Ø225×99 mm

- * Material: Impeller: Plastic (UL 94V0) Frame: Aluminum Alloy
- * Lead Wires: Wire
- * Impeller: 7 Blades
- * Rotational direction: CW looking at rotor
- * Type of protection: IP54
- * Insulation class: "F"
- * Mode of operation: Continuous operation(S1)
- * Mass: 2250g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	µF/VDB	°C	dB-A	Hour	
B5AA2299BBH3WAW	B	220 ~ 240	50	0.60	132	2650	674	2.1	4.0/450	-25~60	73	40000	UL, TUV, CE, CCC
		220 ~ 240	60	0.85	188	2950	747	2.8	4.0/450	-25~60	75		UL, CCC



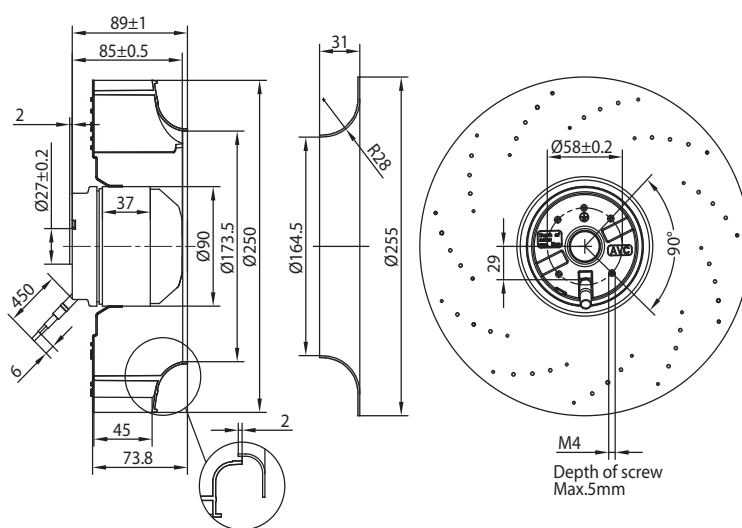
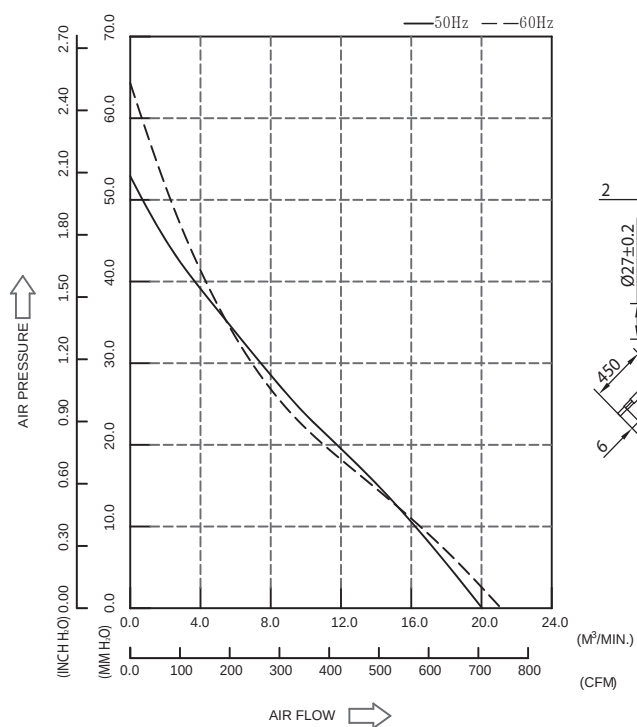


AC CENTRIFUGAL FANS

B5 SERIES
Ø250×89 mm

- * Material: Impeller: Plastic (UL 94V0) Frame: Aluminum Alloy
- * Lead Wires: Wire
- * Impeller: 11 Blades
- * Rotational direction: CW looking at rotor
- * Type of protection: IP54
- * Insulation class: "F"
- * Mode of operation: Continuous operation(S1)
- * Mass: 2500g
- * Air flow direction: inlet looking at rotor

MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Capacitor	Temperature Range	Acoustic Noise	Service Life L10 at 40 °C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	μF/VDB	°C	dB-A	Hour	
B5AA2589BBH3WAW	B	220 ~ 240	50	0.55	125	2400	707	2.00	4.0/450	-25~65	71	40000	UL, TUV, CE, CCC
		220 ~ 240	60	0.75	165	2550	745	2.50	4.0/450	-25~45	73		UL, CCC





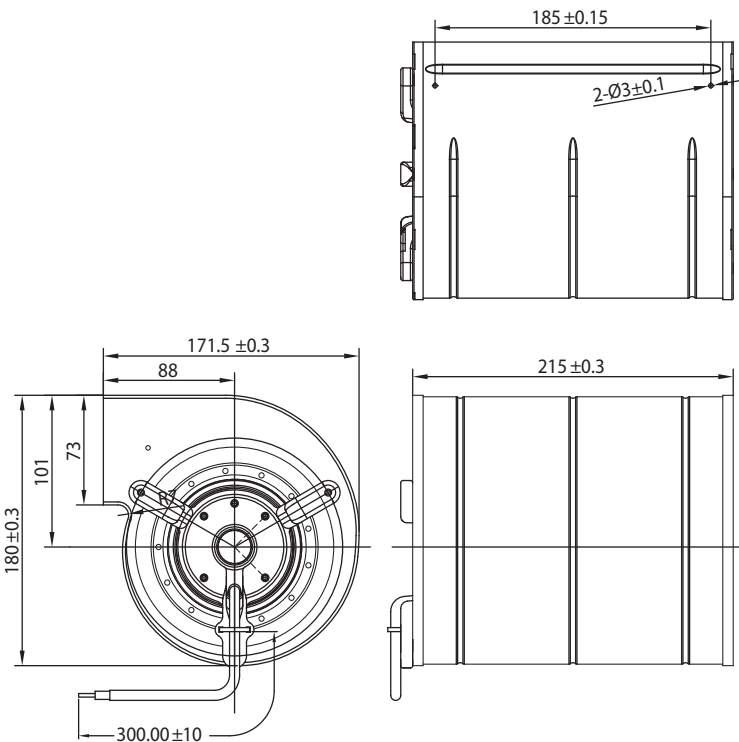
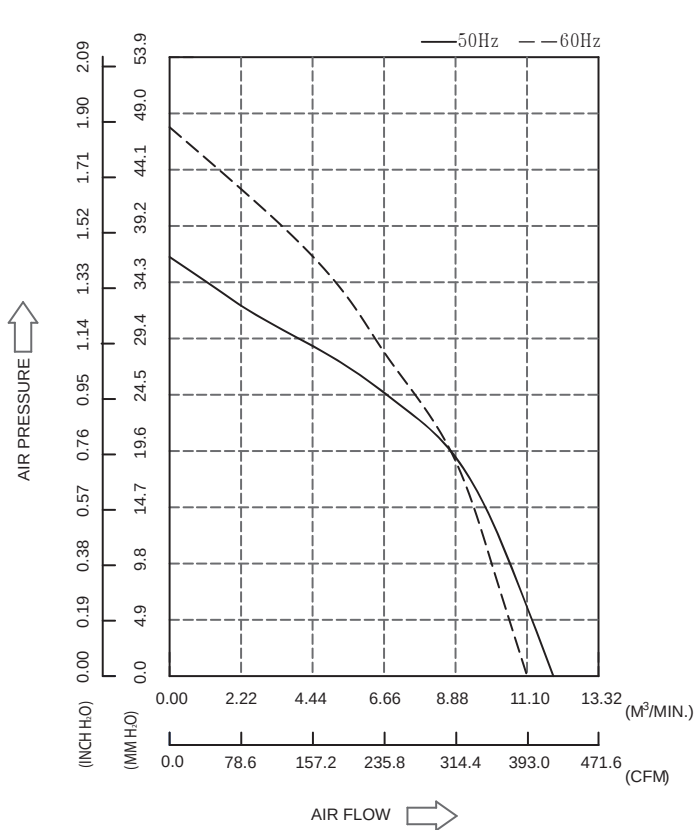
AC CENTRIFUGAL BLOWERS

dual inlet,Ø133

B2 SERIES
180×171.5×215 mm

- * Material:
 - Impeller : Galvanised sheet steel
 - Housing : Galvanised sheet steel
 - Rotor : Partially cast in aluminum
- * Lead Wires: Wire
- * Impeller: 39 Blades
- * Mass: 3.5Kg
- * Rotational direction: CW seen on rotor
- * Type of protection: IP54

ASIA VITAL COMPONENTS CO., LTD. Six Sigma												
MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Service Life L10 at 40 C	Acoustic Noise	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	Hour	dB-A	
B2AA18M5BBH3WAW	B	220 to 240	50	0.84	190	1550	420	1.43	-25~45	50000	59	UL, TUV, CE, CCC
		220 to 240	60	0.88	205	1430	392	1.89	-25~45	50000	56	UL, CCC



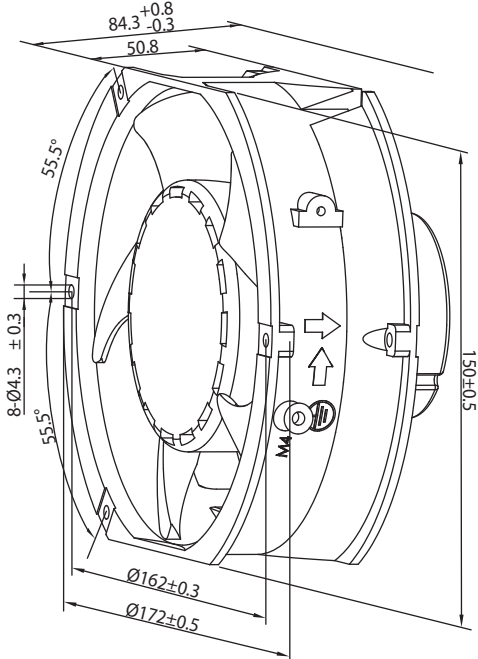
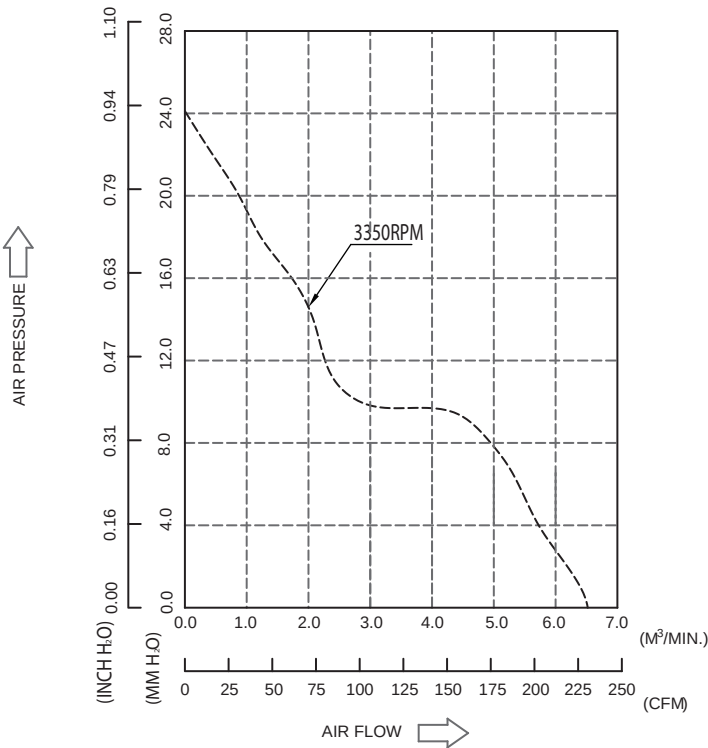
EC AXIAL FANS

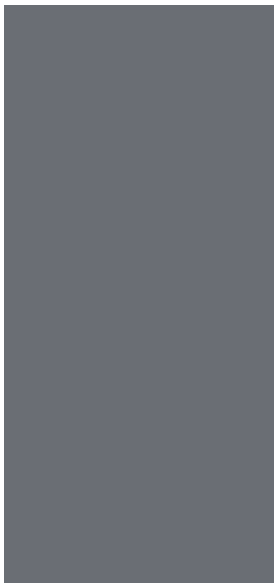
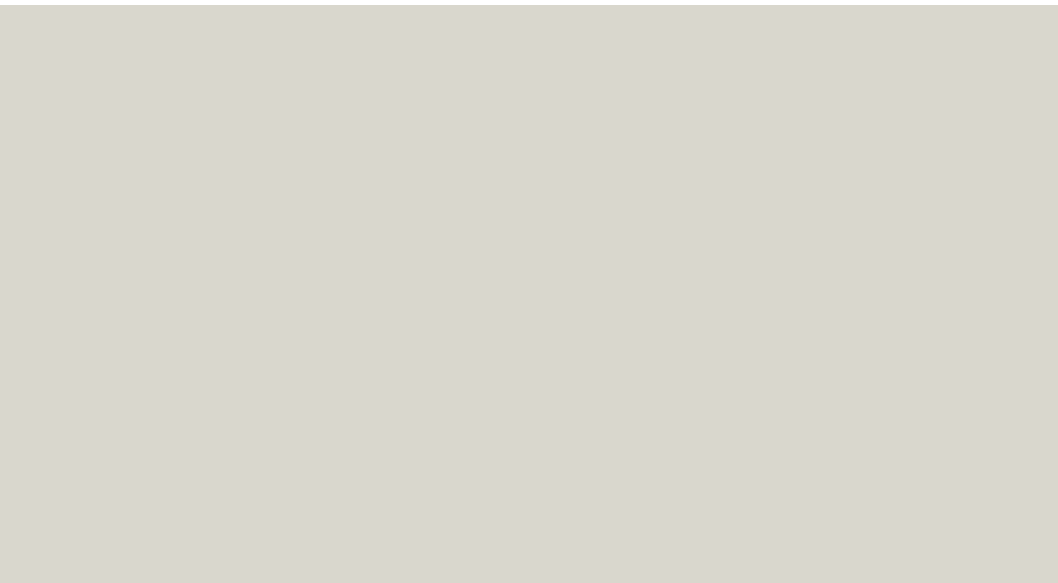
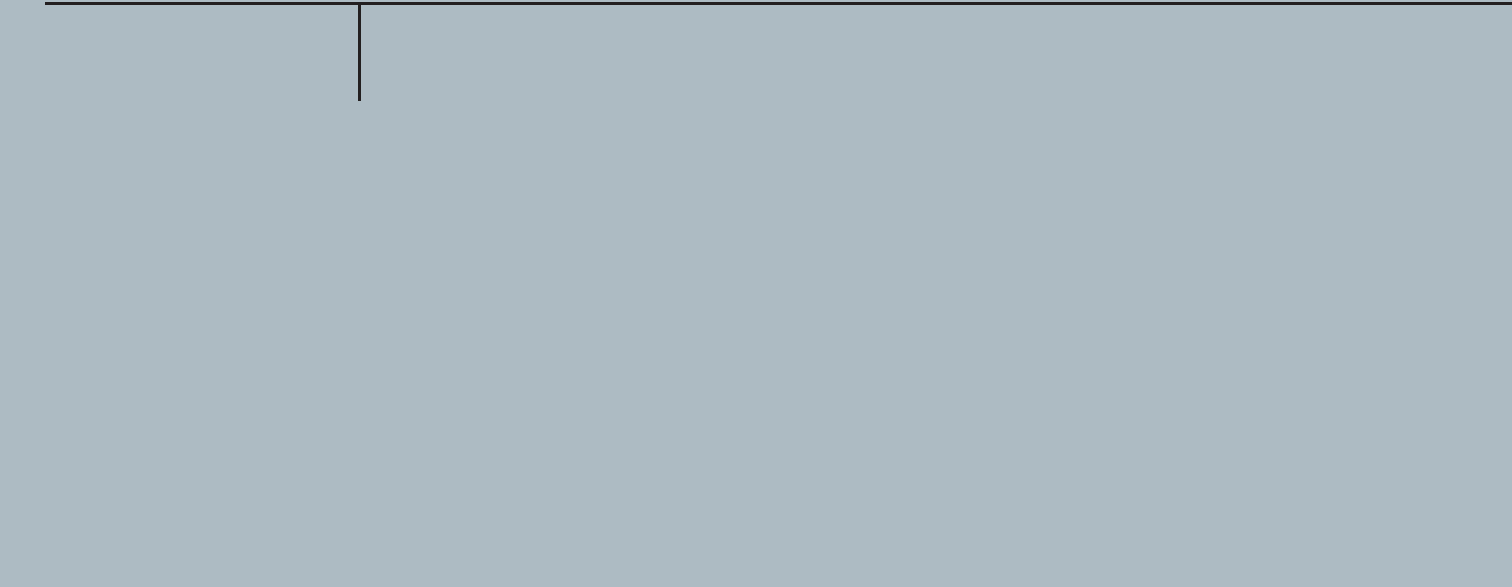
D5 SERIES
172×150×84 mm

- * Material:
 - Impeller: Plastic (UL94V-0)
 - Frame: Aluminum alloy
- * Lead Wires: Wire
- * Impeller: 5 Blades
- * Rotational direction: CCW looking at rotor
- * Mass: 1100g
- * Air flow direction: inlet looking at rotor
- * Type of protection: IP54



MODEL	Bearing Type	Operating Voltage Range	Frequency	Current Rated	Power Input Rated	Speed	Air Flow Maximum	Air Pressure Maximum	Temperature Range	Acoustic Noise	Service Life L10 at 40 C	Certification
PART NO.	B.T.S.R	VAC	Hz	Amp	Watt	R.P.M.	CFM	INCH H ₂ O	°C	dB-A	Hour	
D5AA1784BDLCZAW	B	85~264	50/60	0.28	20.5	3350	239	0.98	-20~70	56.8	63000	UL, TUV, CE, CCC



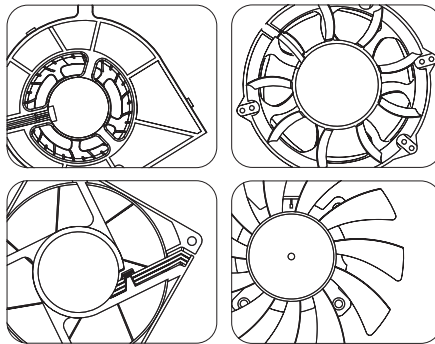


AVC Shenzhen	AVC Taipei	AVC Kaohsiung	WW Sales Network
West Industrial Park.Xinyang Community Shajing Branch, Baoan District, Shenzhen City, China Tel: +86-755-33668888 Fax +86-755-33660602 E-mail: a le@ a o m.o	7F-3, No.24 Wu-Chuan 2 Rd., Hsin- Chuang City, Taipei 24892, Taiwan Tel: +886-2-2299-6930 Fax +886-2-2299-6929 E-mail: a le@ a o m.tw	No. 248-27, Sin-sheng Rd., Cian-jhen Dis rit , Kaohsi ung 806, Taiwan Tel: +886-7-815-7612 Fax +886-7-512-0018	AVC à pan AVC Korea AVC Southeast as a AVC Northameria AVC Southameria AVC Europe (GmbH) AVC Spain

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