Axial brushless DC fan

# DS09225024M0001S

Dynetics

represents a broad range of axial- and radial-fans with an AC or DC-power supply for equipment cooling with a variety of axial instrument ventilators and radial blowers from leading manufacturers, such as Nidec Servo and Nidec Copal.

## DS09225-series

- axial fans
- sizes 92 x 92 x 25mm
- The BLDC fans are light weight (80g),
- 300mm leadwire,

Optional:

- a Lock detection: (Suffix “-RD” or “RRD” ) for Rotation Detector Function.
- a “Speed signal” or speed detection : (Suffix “-FG” ) for a Signal-Frequency Generator Function (also called  for Frequency Generator Function.
- speed control by PWM: ( Suffix “-PWM”.) for automatic speed Controls via an external input signal.
- Speed Control by Voltage : speed controll by applying an external DC Voltage signal. from 0V to 10V(standard value is 0 to 5V).The speed will vary linear and is proportional to the % change of the "Vin" value,.
- Temperature Control: (Suffix “-T” ) with a built in thermistor that detects the ambient temperature, and controls the speed of the fan accordingly.
- High Temperature Environments: Suffix basic “-HT” for temperature operating ranges -10~90 °C
- waterproof (example IP67)

We can also customized the fan, like harness wire, different lead length,


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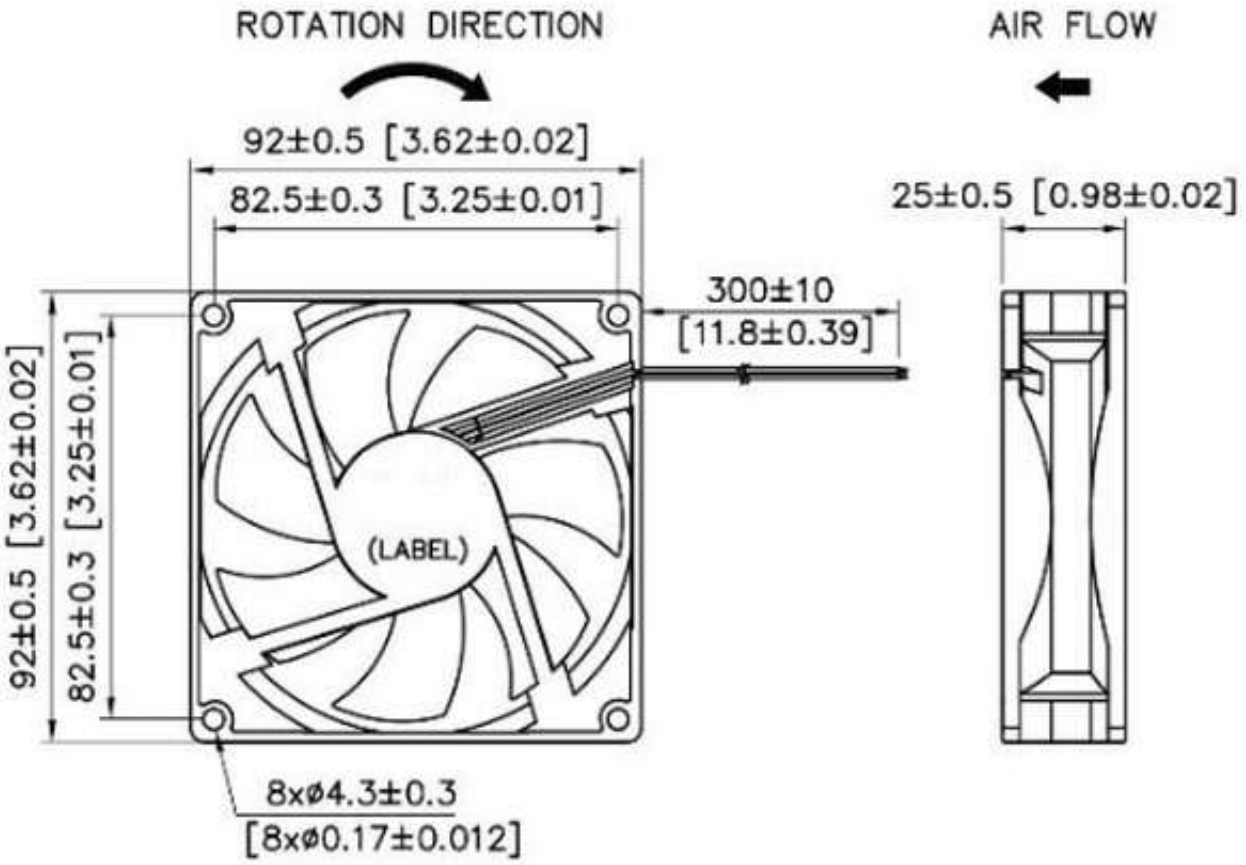
connector, etc

## Images





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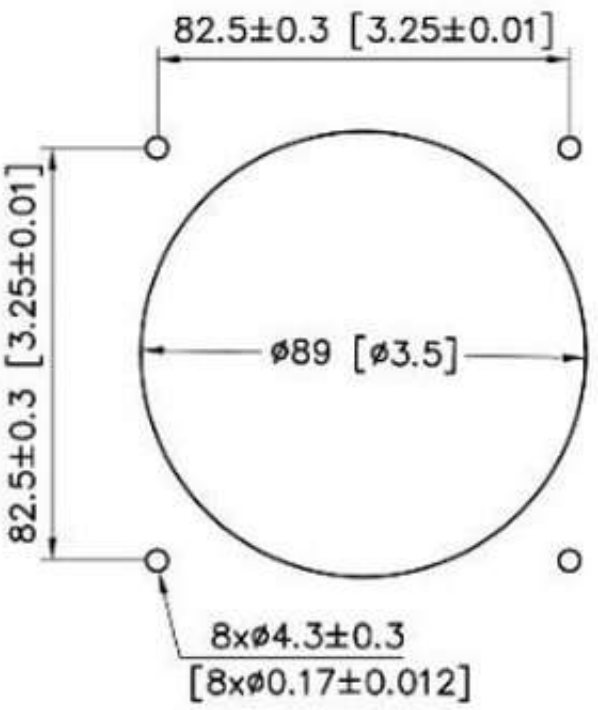
Mounting Panel Cutout
Outlet Side & Inlet Side




UNIT: mm[inch]

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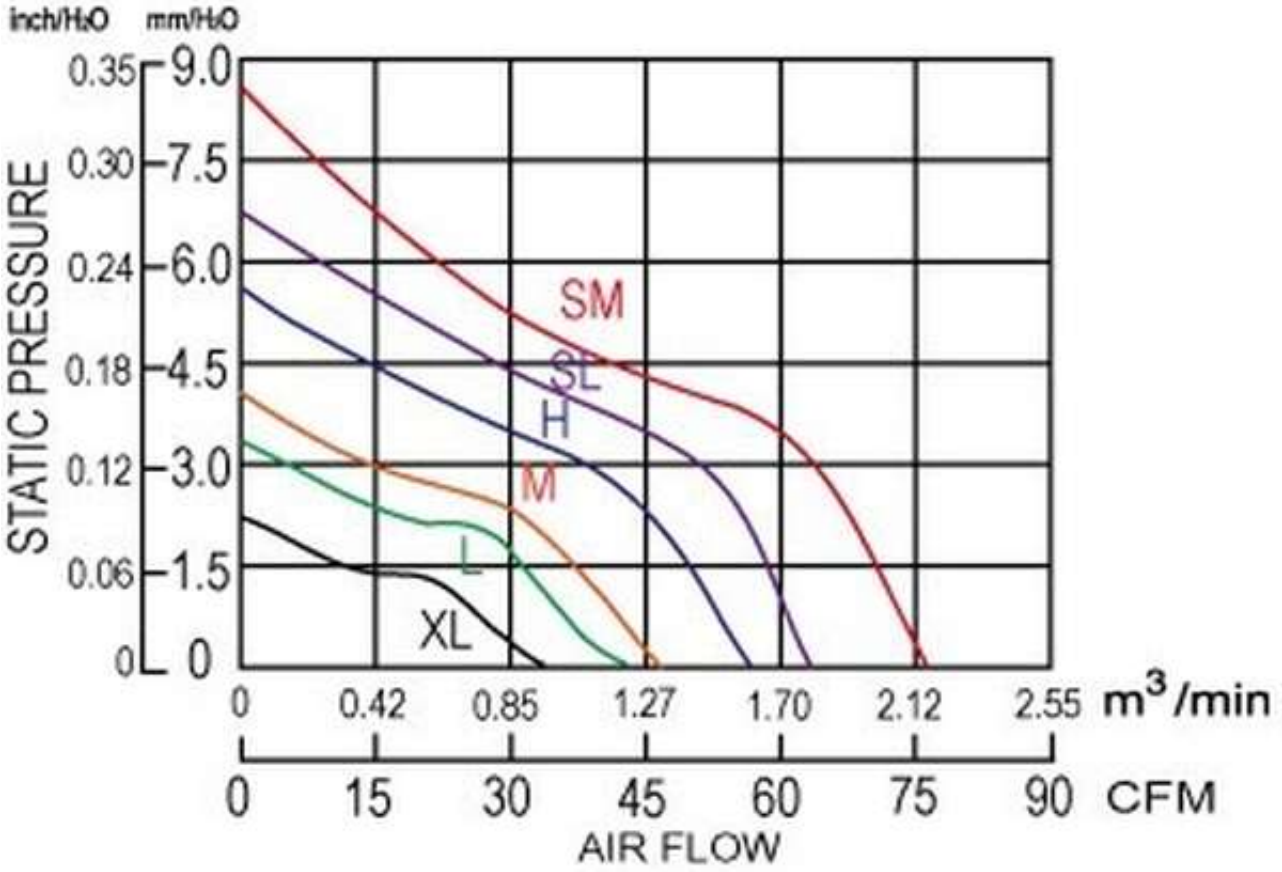



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## Details

**DS09225024M0001S**Axial brushless DC fan

| | | |
|---|---|---|
| Max. Airflow | 2,14 | m3/min |
| Max. Airflow | 75,6 | CFM |
| Max. Static pressure | 86,79 | Pa |


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| | | |
|---|---|---|
| Max. Static pressure | 8,85 | mmH2o |
| noise | 48 | dB |
| speed | 4200 | rpm |
| input | 5,28 | W |
| Voltage | 24 | V |
| Current | 220 | mA |
| sizes | 92 x 92 x 25 | mm |
| operating Voltage range | 14 - 26,4 | V |
| operating temperature | min10 - +70 | °C |

| | |
|---|---|
| HOUSING | Thermoplastic PBT, UL94V-0 |
| IMPELLER | Thermoplastic PBT, UL94V-0 |
| BEARING | Ball |
| OPERATING TEMPERATURE | -10°C to + 70°C |
| DIELECTRIC STRENGTH | 5mA Max. at 500 VAC for 1 minute |
| INSULATION RESISTANCE | 10M Ω min. @500 VDC |
| WEIGHT | 89g |
| ROHS COMPLIANCE | Yes |
| IP LEVEL | IP21 (Special IP Rating On Request) |

## Specifications

| | | | | | |
|---|---|---|---|---|---|
| **Product type** | DS09225024M0001S | **Max. Airflow** | 2.14 m3/min | **Max. Airflow** | 75.6 CFM |
| **Max. Static pressure** | 86.79 Pa | **Max. Static pressure** | 8.85 mmH2o | **Noise** | 48 dB |
| **Speed** | 4200 rpm | **Input** | 5.28 W | **Voltage (rating)** | 24 V |
| **Current (rating)** | 220 mA | **Size frame** | 92 mm | **Supplier** | Dynetics |

*This PDF-document has been generated from a selection of the available details from the manufacturer. In case the contents of the PDF-file is incomplete or difficult to read, we apologize for the inconvenience and ask you to contact us (info@dynetics.eu)*


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