

FEATURES

- PBT UL94V-0 thermoplastic impeller
- Ball bearing system, supporting excellent performance and life expectancy. Typically 60000 hours based on L10 curve figures
- Brushless DC, polarity protected, locked rotor protected motor
- Tachometer output options, for sensing and speed control

RS PRO, 12 V dc, DC Axial Fan, 52 x 52 x 10mm, 20.4m³/h, 1.68W

RS Stock No.: 619-7093



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Brought to you by RS Pro brand, a wide range of DC ball bearing axial fans offering a cost effective cooling solution without sacrificing on quality or reliability. With a brushless, auto restart, impedance and polarity protected motor these fans are ideal for a multitude of applications. All models are highly reliable and excellent quality

General Specifications

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|----------------------------|---|
| Air Flow | 20.4m ³ /h |
| Fan Speed | 6000rpm |
| Static Pressure | 0.29in/H ₂ O |
| Noise Level | 36dB |
| Fan Housing Shape | Rectangular; Round; Square |
| Direction of Curve | Backward |
| Frame | PBT Plastic |
| Impeller | PBT Plastic |
| Alarm Function | No; Low-speed alarm |
| Speed Control Range | 500min ⁻¹ to 3500min ⁻¹ |
| Special Features | Dual Ball Bearing; Tachometer |
| Applications | Server racks, Electrical cabinets and enclosures; Production Lines, Ceiling fan/ventilation Desktop computers, Motor engines (radiator in a car), Generators, Air compressor, Laptop and Computer tower |

Electrical Specifications

| | |
|------------------------------|--|
| Motor | Brushless DC, Auto Cut-off, Auto Restart, Polarity Protected |
| Phase | 1; 3 |
| AC or DC Operation | DC |
| Power Consumption | 1.68W |
| Supply Voltage | 12Vdc |
| Rated Voltage | 12VDC |
| Maximum Current | 140mA |
| Frequency in Hz | 50; 50/60 |
| Sensor Output Type | Open Collector; Voltage Output |
| Termination Type | Flat Plug; Lead Wire; Terminal; Terminal Block; Wire |
| Dielectric Strength | 500VAC/min < 1mA |
| Insulation Resistance | 10M ohm between lead wire and frame (500VDC) |
| Voltage Range | 10.8~13.2Vdc |

Mechanical Specifications

| | |
|------------------------|----------------------------|
| Dimensions | 52x52x10mm |
| Height | 52mm |
| Width | 52mm |
| Depth | 10mm |
| Diameter | 150; 24mm |
| Bearing Type | Ball |
| Weight | 0.028Kg (0.06 lbs) |
| Cable Length | 1m |
| Life Expectancy | 70,000 hours (L10 at 40°C) |

Operation Environment Specifications

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|------------------------------|---------------|
| Operating Temperature | -10°C to 70°C |
| Storage Temperature | -40°C to 70°C |

Protection Category

| | |
|-----------|------------|
| IP Rating | IP25; IP65 |
|-----------|------------|

Approvals

| | |
|------------------------------|---------------------------|
| Compliance/Certifications | UL, cUL, TUV, CE, UL94-V0 |
| Hazardous Area Certification | ATEX Ex |



LEAD WIRES : UL 1007, 26 AWG, L = 300 ±10 mm
 Red = Positive ; Black = Negative.
 White = Tach

