

## 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, 40 x 40 x 20mm, 15.3m<sup>3</sup>/h, 1.8W

RS Stock No.: 619-7059



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

<b>Air Flow</b>	15.3m <sup>3</sup> /h
<b>Fan Speed</b>	7800rpm
<b>Static Pressure</b>	0.29in/H <sub>2</sub> O
<b>Noise Level</b>	36dB
<b>Fan Housing Shape</b>	Rectangular; Round; Square
<b>Direction of Curve</b>	Backward
<b>Frame</b>	PBT Plastic
<b>Impeller</b>	PBT Plastic
<b>Alarm Function</b>	No; Low-speed alarm
<b>Speed Control Range</b>	500min <sup>-1</sup> to 3500min <sup>-1</sup>
<b>Special Features</b>	Dual Ball Bearing; Tachometer
<b>Applications</b>	Server racks, Electrical cabinets and enclosures; Production Lines, Ceiling fan/ventilation Desktop computers, Motor engines (radiator in a car), Generators, Air compressors

**Electrical Specifications**

<b>Motor</b>	Brushless DC, Auto Cut-off, Auto Restart, Polarity Protected
<b>Phase</b>	1; 3
<b>AC or DC Operation</b>	DC
<b>Power Consumption</b>	1.8W
<b>Supply Voltage</b>	12Vdc
<b>Rated Voltage</b>	12VDC
<b>Maximum Current</b>	100mA
<b>Frequency in Hz</b>	50; 50/60
<b>Sensor Output Type</b>	Open Collector; Voltage Output
<b>Termination Type</b>	Flat Plug; Lead Wire; Terminal; Terminal Block; Wire
<b>Dielectric Strength</b>	500VAC/min < 1mA
<b>Insulation Resistance</b>	10M ohm between lead wire and frame (500VDC)
<b>Voltage Range</b>	10.8~13.2Vdc

**Mechanical Specifications**

<b>Dimensions</b>	40x40x20mm
<b>Height</b>	40mm
<b>Width</b>	40mm
<b>Depth</b>	20mm
<b>Diameter</b>	150; 24mm
<b>Bearing Type</b>	Ball
<b>Weight</b>	0.028Kg (0.06 lbs)
<b>Cable Length</b>	1m
<b>Life Expectancy</b>	70,000 hours (L10 at 40°C)

**Operation Environment Specifications**

<b>Operating Temperature</b>	-10°C to 70°C
<b>Storage Temperature</b>	-40°C to 70°C

## Protection Category

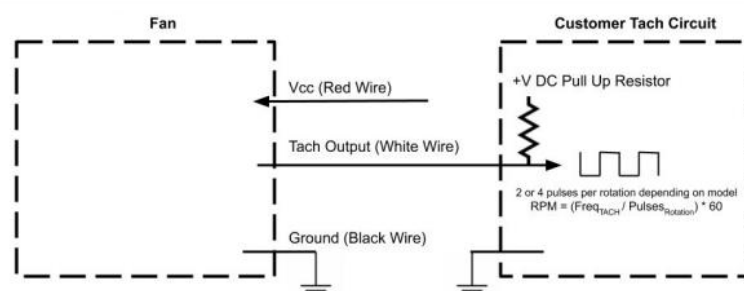
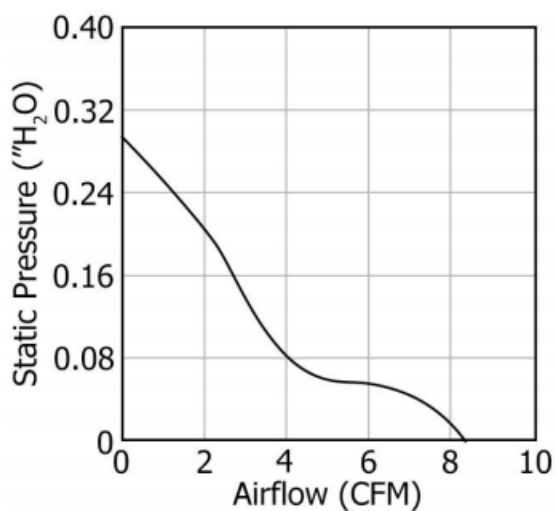
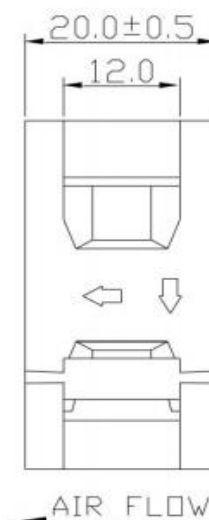
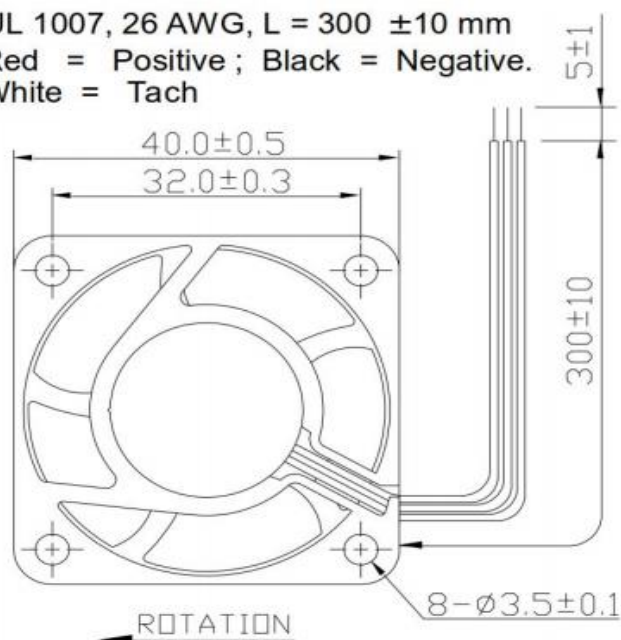
IP Rating	IP25; IP65
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## Approvals

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



Tach Max Voltage = 12V  
 Tach Max Current = 5mA  
 Tach Low Voltage ≤ 1.0V  
 Tach Pulses per rotation = 2