

FEATURES

- PBT Thermoplastic casing
- Square orientation
- Can be mounted in a horizontal and vertical position
- Low noise levels
- Smooth and efficient air flow

RS PRO, 230 V ac, AC Axial Fan, 120 x 120 x 38mm, 222.6m³/h, 22W

RS Stock No.: 144-4138



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, this high-performance ball bearing axial fan offers a cost-effective cooling solution without sacrificing on quality or reliability. With a robust plastic frame and impeller, the fan is perfect for lightweight applications where ventilation and cooling are required. The fan features a fully integrated electronic commutation, and provides a durable and smooth airflow to the device it is cooling.

General Specifications

Air Flow	222.6m ³ /h
Fan Speed	3300rpm
Static Pressure	0.87in/H ₂ O max.
Noise Level	47dB
Direction of Curve	Forward
Frame	Die cast Aluminium
Impeller	PBT, UL94-0 Plastic
Alarm Function	No
IP Rating	IP44
Applications	Server racks, Electrical cabinets and enclosures; Production Lines, Ceiling fan/ventilation Desktop computers, Motor engines (radiator in a car), Generators, Air compressors

Electrical Specifications

Motor	AC capacitor drive, Thermally Protected
Phase	1; 3
AC or DC Operation	AC
Power Consumption	22W
Supply Voltage	230VAC
Maximum Current	100mA
Frequency in Hz	50/60
Dielectric Strength	1 minute at 1500 VAC,50/60Hz
Insulation Resistance	>100M ohm between lead wire and frame (500VDC)

Mechanical Specifications

Dimensions	120mm x120mm x 38mm
Height	120mm
Width	120mm
Depth	38mm
Bearing Type	Ball
Weight	1.12lbs Approx.
Life Expectancy	60,000 hours (L10 at 40°C)

Operation Environment Specifications

Operating Temperature	-10°C to 65°C
Storage Temperature	-20°C to 80°C

Approvals

Compliance/Certifications	RoHS Certificate Of Compliance
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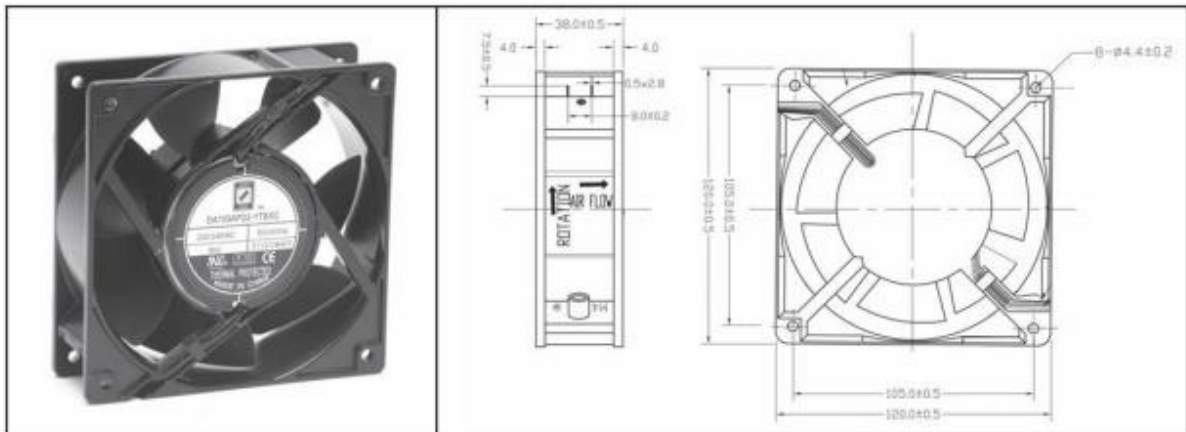
Axial Fans



OA109 'XC Series'



AC Fan - 115V, 230V
120x38mm (4.7"x 1.5")



Frame	Diecast Aluminum	Operating Temperature Ball Bearing -10C ~ +65C Storage Temp -20C ~ +80C	50Hz 60Hz
Impeller	PBT, UL94V-0 plastic		
Connection	2x Lead wires (24AWG*) or Terminals	Life Expectancy Ball Bearing 60,000 hours (L10 at 40C) (* Wires ~300mm)	
Motor	AC capacitor drive, thermally protected		
Bearing System	Dual ball	Weight: ~1.12 lbs.	
Insulation Resistance	>100M ohm between lead-wire and frame (500VDC)		
Dielectric Strength	1 min at 1500 VAC, 50/60Hz		

Part Number	OA109AP-11-1 * B XC	OA109AP-22-1 * B XC
Nominal Voltage	115 VAC	230 VAC
Rated Power (50/60 Hz)	21 / 22 W	21 / 22 W
Nominal Current	0.17 / 0.18 A	0.10 / 0.11 A
Frequency (Hz)	50 / 60	50 / 60
Rated Speed (RPM)	2800 / 3300	2800 / 3300
Airflow (CFM)	110 / 131	110 / 131
Noise Level (dB)	43 / 47	43 / 47
Max. Static Pressure	0.38" / 0.49" H ₂ O	0.38" / 0.49" H ₂ O

* Insert "T" to specify Terminal or "W" to specify Wire leads

