

Axial DC Fans

Vapo Bearing, 30mm × 30mm × 10mm



Mechanical Characteristics

Part Number	MC011504	MC011505	MC011506	MC011507
Motor Design	Single phase, 4-poles Brushless DC motor			
Bearing System	Vapo bearing system			
Dimensions	30mm × 30mm × 10mm			
Materials of Frame	Thermoplastic PBT of UL94V-0			
Materials of Fan Blade	Thermoplastic PBT of UL94V-0			
Direction of Rotation	Counter-clockwise viewed from front of fan blade			
Mounting Holes	Diameter 3.2mm in 3 holes			
Weight	7.8g			

Electrical Characteristics

Part Number	MC011504	MC011505	MC011506	MC011507
Rated Voltage	5V DC		12V DC	
Rated Current	120mA / Max. 138mA	80mA / Max. 92mA	0.55mA / Max. 64mA	32mA / Max. 37mA
Rated Power Consumption	0.6W / Max. 0.69W	0.4W / Max. 0.46W	0.66W / Max. 0.77W	0.39W / Max. 0.45W
Safety Power Consumption	0.69W	0.46W	0.83W	0.7W
Operating Voltage Range	2.5V DC to 6V DC		6V DC to 13.8V DC	
Starting Voltage	2.5V DC (25°C Power ON/OFF)		6V DC (25°C Power ON/OFF)	
Operating Temperature Range	-10°C to +70°C			
Storage Temperature Range	-40°C to +70°C			

Performance Characteristics

Part Number	MC011504	MC011505	MC011506	MC011507
Rated Speed	11000 RPM ±15% at rated voltage	9500 RPM ±15% at rated voltage	11500 RPM ±15% at rated voltage	8600 RPM ±15% at rated voltage
Air Flow	5.5 CFM	4.7 CFM	5.5 CFM	4.6 CFM
Static Pressure	0.2 Inch-H ₂ O	0.17 Inch-H ₂ O	0.25 Inch-H ₂ O	0.14 Inch-H ₂ O
Acoustic Noise	23 dB(A)	21 dB(A)	23 dB(A)	20 dB(A)
Insulation Class	UL Class A			
Insulation Resistance Plastic Housing	10MΩ @ 500V DC between Internal Stator and Lead Wire (+)			
Dielectric Strength	Applied AC 500V for one minute or AC 600V for 2 Seconds between Housing and Lead Wire (+)			
Life Expectancy	60,000 hours @ 40°C, 65% humidity, 90% CL			
Protection	Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released. Polarity Protection			



Axial DC Fans

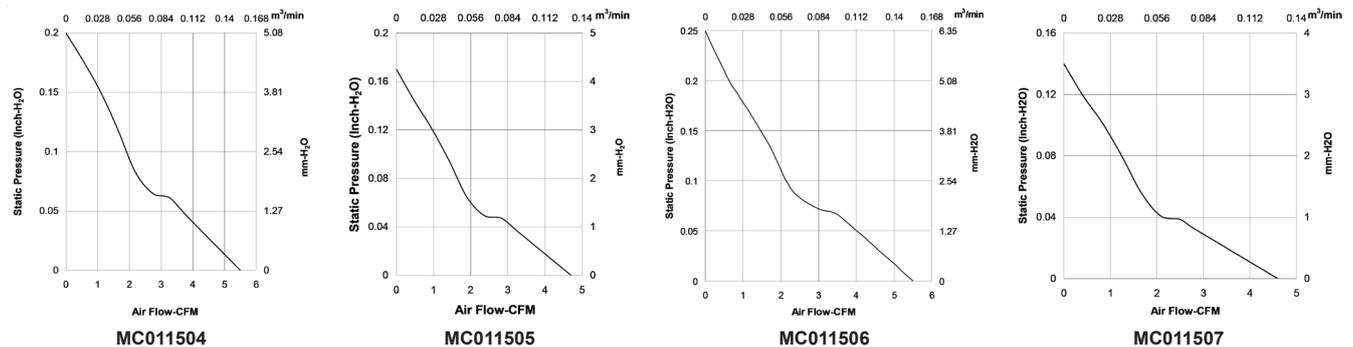
Vapo Bearing, 30mm × 30mm × 10mm



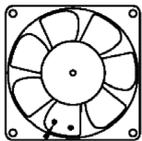
Safety

UL	CUR	TUV	CE
E77551	E77551	✓	✓

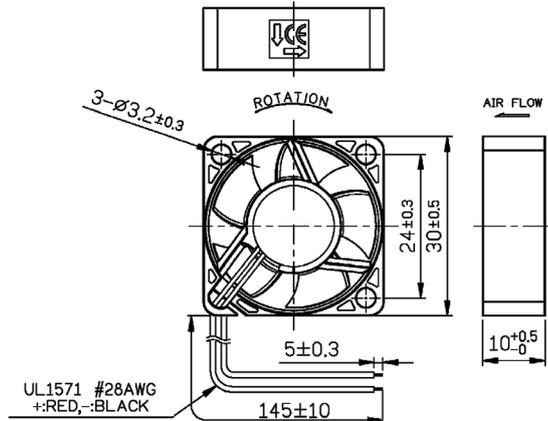
Performance Curve



Dimensions



Note: The glues on the impeller is for impeller balance. Please don't remove it.



Dimensions : Millimetres

Part Number Table

Description	Dimensions	Part Number
Axial DC Fan, 5V, Vapo, 11000 RPM, 2 Wires	30mm×30mm×10mm	MC011504
Axial DC Fan, 5V, Vapo, 9500 RPM, 2 Wires		MC011505
Axial DC Fan, 12V, Vapo, 11500 RPM, 2 Wires		MC011506
Axial DC Fan, 12V, Vapo, 8600 RPM, 2 Wires		MC011507

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

