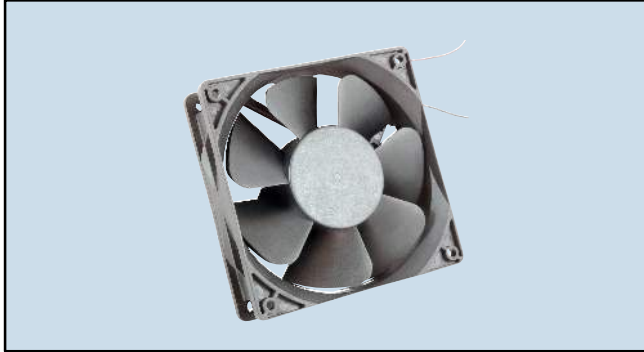


Fan, AC & DC Types, 120 x 120mm



Features

- High Speed
- Ball Bearings
- Terminal Types – “T” Suffix
- 24 AWG Red (+) and Black (-) Leads – DC Types
- 22 AWG Black Leads – AC Types
- 11.8” (300mm) Lead Length



DC OPERATED

NTE Type No.	Rated Voltage	Max. Input Current	Max. Input Power (W)	Speed $\pm 10\%$ (RPM)	Max Air Flow (CFM)	Max Acoustical Noise	Diag No.
77-12025D12	12	0.46A	5.5	2400	87.79	44dB(A)	F5a
77-12025D24	24	0.40A	9.6	2400	87.79	44dB(A)	F5a
77-12032D12	12	0.69A	8.2	3750	121.53	55dB(A)	F5a
77-12032D24	24	0.32A	7.73	3750	108.94	55dB(A)	F5a
77-12038D12	12	1.50A	17.94	3800	138.49	54dB(A)	F5a
77-12038D24	24	0.69A	16.56	3800	138.49	54dB(A)	F5a

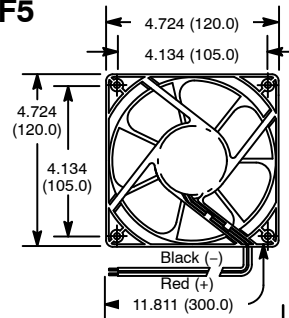
AC OPERATED

NTE Type No.	Rated Voltage	Max. Input Current	Max. Input Power (W)	Speed $\pm 10\%$ (RPM)	Max Air Flow (CFM)	Max Acoustical Noise	Diag No.
77-12025A120	115	0.17A	14	2450	68	39dB(A)	F5a
77-12025A120-T	115	0.17A	14	2450	68	39dB(A)	F5b
77-12038A120	115	0.30A	29	3000	111	44dB(A)	F5a
77-12038A120-T	115	0.30A	29	3000	111	44dB(A)	F5b

ACCESSORIES

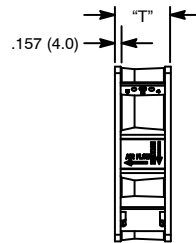
FAN TYPE	DESCRIPTION	NTE TYPE NO.
120 X 120mm	Fan Guard, Metal	77-MG120
120 X 120mm	Fan Filter, 3-Piece w/Cover	77-FF120
120 X 120mm, Terminal Type	Fan Cord, 12", 45° Blunt Cut	77-FC12
	Fan Cord, 24", 45° Blunt Cut	77-FC24
	Fan Cord, 36", 45° Blunt Cut	77-FC36
	Fan Cord, 48", 45° Blunt Cut	77-FC48
	Fan Cord, 72", 45° Blunt Cut	77-FC72

F5

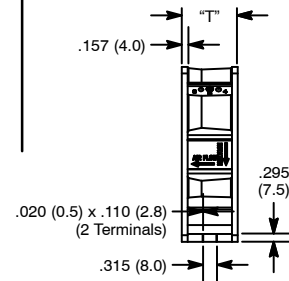


Type	Thickness "T"	
	DC	AC
12025	1.000 (25.4)	1.043 (26.5)
12032	1.256 (32.0)	N/A
12038	1.496 (38.0)	1.496 (38.0)

a: Lead Types



b: Terminal Types



Specifications

Electrical Characteristics

Insulation Resistance: 10M Ω Min. (at 500VDC) between frame and positive terminal

Dielectric Strength:

DC Types: 500VAC, 1 minute; 600VAC, 1 sec at 5mA Max. between frame and positive terminal

AC Types: 1500VAC, 1 minute; 1800VAC, 1 sec at 5mA Max. between frame and positive terminal

Life Expectancy:

DC Types: Approx. 70000 hrs at rated voltage, +40°C, 15% to 65% RH

AC Types: Approx. 50000 hrs at rated voltage, +25°C, 15% to 65% RH

Mechanical Characteristics

Frame:

DC Types: Thermoplastic, Black, UL94V-0

AC Types: Die-Cast Aluminum, Black

Impeller: Thermoplastic, Black, UL94V-0

Bearing:

DC Types: 2 Ball Bearings

AC Types: Ball Bearing

Weight:

DC Types: Approx. 164g (25mm); 250g (32mm); 290g (38mm)

AC Types: Approx. 370g (25mm); 500g (38mm)

Environmental Characteristics

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Operating Humidity: 35% to 85% RH

Storage Humidity: 35% to 85% RH

Protection

Polarity (DC Types ONLY): Damage will not occur for up to 10 minutes with positive and negative leads connected in reverse.

Locked Rotor: Within 72 hours of a rotor locking condition, at the rated voltage and operating temperature, the impedance of the motor winding will protect the motor from damage.