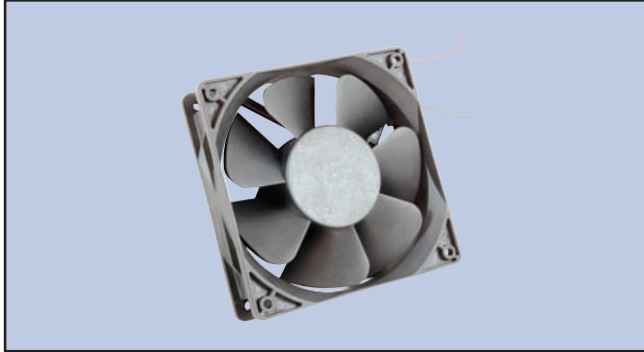
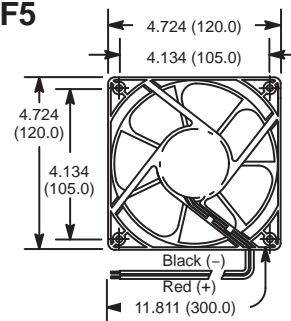


## Features

- 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

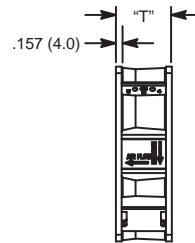


F5

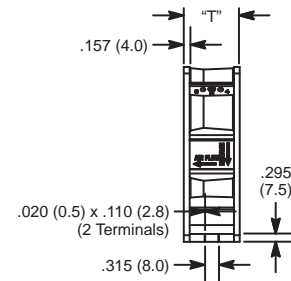


	Thickness “T”	
	DC	AC
25mm	1.000 (25.4)	1.043 (26.5)
32mm	1.256 (32.0)	N/A
38mm	1.496 (38.0)	1.496 (38.0)

a: Lead Types



b: Terminal Types



## 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-MG1212
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

## Specifications

### Electrical Characteristics

**Insulation Resistance:** 10M $\Omega$  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.