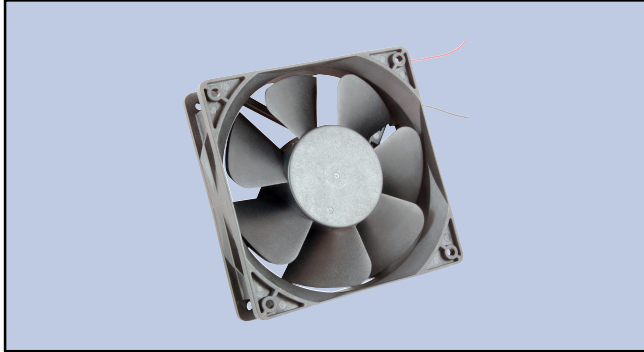


Features

- 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 |

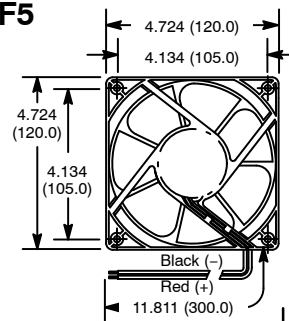
AC OPERATED

| 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

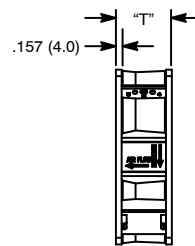
| FAN TYPE | DESCRIPTION | NTE TYPE NO. |
|----------------------------|------------------------------|--------------|
| 120 X 120mm | Fan Guard, Metal | 77-MG120 |
| 120 X 120mm | Fan Filter, 3-Piece w/Cover | 77-FF120 |
| 120 X 120mm, Terminal Type | Fan Cord, 12", 45° Blunt Cut | 77-FC12 |
| | Fan 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

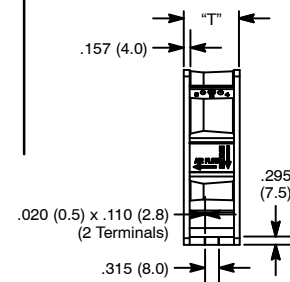


| Type | Thickness "T" | |
|-------|---------------|--------------|
| | DC | AC |
| 12025 | 1.000 (25.4) | 1.043 (26.5) |
| 12032 | 1.256 (32.0) | N/A |
| 12038 | 1.496 (38.0) | 1.496 (38.0) |

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.