

# DC Series Tubeaxial Cooling Fans Model No. D24T10

2.36" Sq. x 1.00"  
(60 mm Sq. x 25 mm)  
17-23 CFM  
(8.0-10.9 L/Sec.)



## Features

- 7-blade impeller design provides:
  - Reduced noise
  - Improved performance
  - High efficiency
- Solid-state brushless motor design provides:
  - Auto restart
  - Low input power
  - Lower operating voltages
- Precision ball bearing system provides:
  - Longer life
  - Higher temperature extremes
  - Lower noise over time
  - Maximum shock and vibration resistance
- Designed to meet the rigid standards of UL, CSA, VDE, and CE.

## Accessories:

Finger guards

## General Specifications

**Frame:** Reinforced polybutylene plastic (UL94V-0 flame retardant)

**Impeller:** Reinforced polybutylene plastic (UL94V-0 rating)

**Bearings:** Precision, life-lubricated ball bearings

**Insulation:** Class A integral ground system rated @ 248°F (120°C)

**Weight:** 2.3 ozs. (65 grams)

**Operating Temperature Range:** 14° to 158°F (-10° to 70°C)

**Insulation Resistance:** 10 megohms minimum @ 250 VDC

**Dielectric Strength:** 500 VAC for 60 seconds

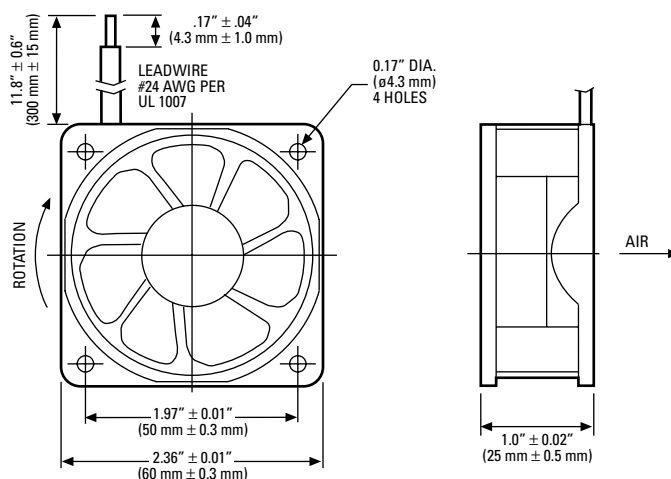
**Safety Protection:** Electronic locked rotor protected; polarity protected

**Life Expectancy:** 75,000 hours minimum @ 77°F (25°C)

**Options:** (Consult Factory)

Tachometer output

Locked rotor output sensor

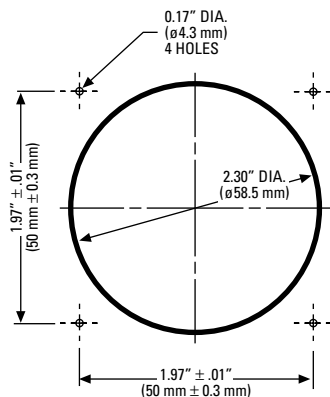


RED LEAD IS POSITIVE (+)  
BLACK LEAD IS NEGATIVE (-)  
WHITE LEAD IS SENSOR

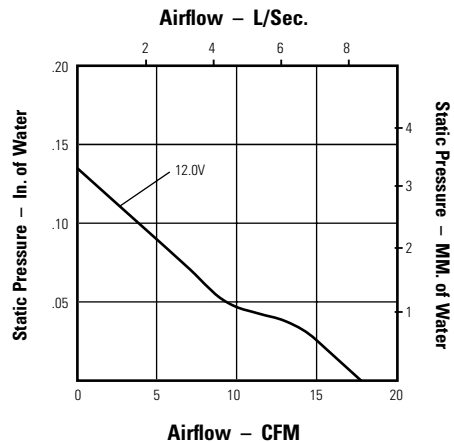
| Globe Motors Part Number | Nominal Voltage VAC | Voltage<br>Operating<br>Range VDC | Watts | Line Amps | RPM  | Acoustic Noise dBA | Airflow (Min.) |                   |
|--------------------------|---------------------|-----------------------------------|-------|-----------|------|--------------------|----------------|-------------------|
|                          |                     |                                   |       |           |      |                    | CFM            | Liters per Second |
| D24-B10A-04W3-100        | 12                  | 6.0 / 13.8                        | 1.44  | 0.12      | 3600 | 28                 | 17             | 8.0               |
| D24-B10A-04W4-100        | 12                  | 6.0 / 13.8                        | 2.04  | 0.17      | 4550 | 34                 | 22             | 10.3              |
| D24-B10A-04W5-100        | 12                  | 6.0 / 13.8                        | 2.40  | 0.20      | 4900 | 35                 | 23             | 10.9              |
| D24-B10A-05W3-100        | 24                  | 10.2 / 27.6                       | 1.68  | 0.07      | 3600 | 28                 | 17             | 8.0               |
| D24-B10A-05W4-100        | 24                  | 10.0 / 27.6                       | 2.16  | 0.09      | 4550 | 34                 | 22             | 10.3              |
| D24-B10A-05W5-100        | 24                  | 10.0 / 27.6                       | 2.40  | 0.10      | 4900 | 35                 | 23             | 10.9              |

\*Note: For tachometer output models, substitute "B" in part number. Part Number D24-B10"A"-04W3-100 would change to D24-B10"B"-04W3-100. Minimum order quantity may apply.  
For locked rotor sensor output models, substitute "C" in part number. Part Number D24-B10"A"-04W3-100 would change to D24-B10"C"-04W3-100. Minimum order quantity may apply.

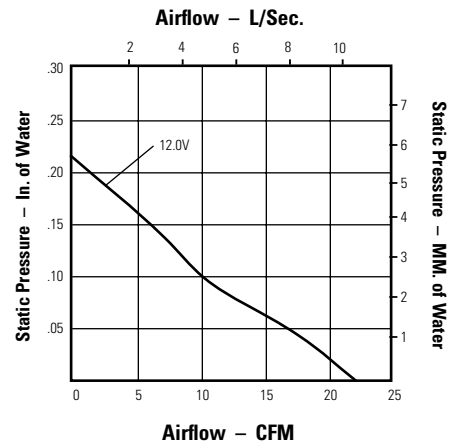
## Installation Guide



## Performance at Sea Level



D24-B10A-04W3-100



D24-B10A-04W4-100

## Approvals



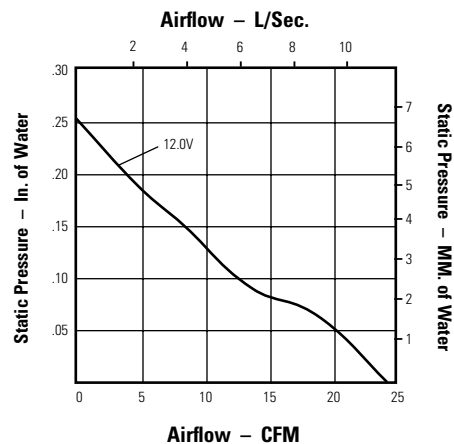
UL File No.  
E105397



CSA File No.  
72877



VDE File No.  
17074-2611-0706

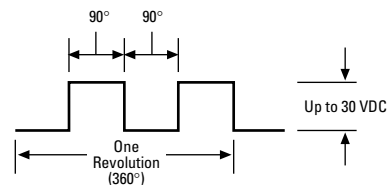


D24-B10A-04W5-100

All operating specifications measured at nominal operating voltage, free air at sea level

24 volt performance is identical to 12 volt fan performance

## Tachometer Output (Open Collector Circuit)



## NOTES:

## Locked Rotor Output (Open Collector Circuit)

