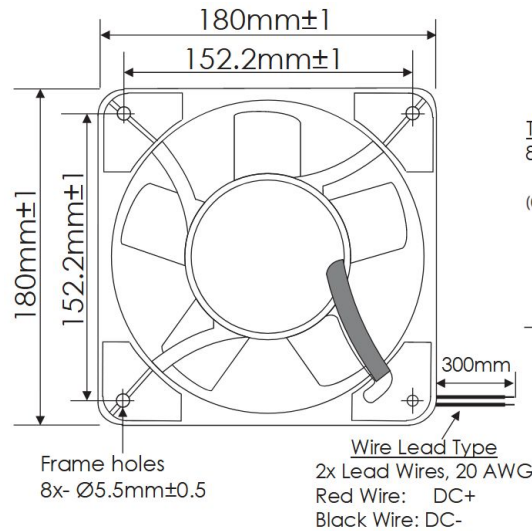


# OD180APL IP68 Series



DC Fans - 12, 24, 48V  
180mm x 180mm x 65mm (7" x 2.5")



|                       |                                                                                             |                                                                                                                             |                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Frame                 | Die Cast Aluminum, Black Finish                                                             | <u>Operating Temperature</u><br>-20°C ~ +65°C                                                                               | <p>Static Pressure ("H<sub>2</sub>O") vs. Airflow (CFM) graph showing curves for High (H), Medium (M), and Low (L) static pressure.</p> |
| Impeller              | PBT UL94 V-0 Plastic                                                                        | <u>Storage Temperature</u><br>-20°C ~ +75°C                                                                                 |                                                                                                                                         |
| Connection            | 2x Wire Leads 20 AWG, or Terminals                                                          | <u>Life Expectancy</u><br>60,000 Hours (L10 at 40°C)                                                                        |                                                                                                                                         |
| Motor                 | Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected, IP68 | <u>Available Options</u><br>Tachometer Output<br>PWM Speed Control<br>Thermal Speed Control<br>Alarm Output<br>IP69K Rating |                                                                                                                                         |
| Bearing System        | Dual Ball Bearings                                                                          | Weight: 3.2 lbs                                                                                                             |                                                                                                                                         |
| Dielectric Strength   | 500VAC/min < 5mA                                                                            |                                                                                                                             |                                                                                                                                         |
| Insulation Resistance | ≥10M Ohm @ 500 VDC                                                                          |                                                                                                                             |                                                                                                                                         |

| Part Number        | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Rated Current (Amps) | Rated Power (Watts) | Rated Speed (RPM) | Airflow (CFM) | Noise Level (dBA) | Max. Static Pressure ("H <sub>2</sub> O") |
|--------------------|--------------------------|--------------------------|----------------------|---------------------|-------------------|---------------|-------------------|-------------------------------------------|
| OD180APL-12H*BIP68 | 12                       | 9 ~ 13.8                 | 4.20                 | 50.4                | 3375              | 460           | 63.2              | 1.10                                      |
| OD180APL-12M*BIP68 | 12                       | 9 ~ 13.8                 | 1.90                 | 23.5                | 2800              | 375           | 53.4              | 0.70                                      |
| OD180APL-12L*BIP68 | 12                       | 9 ~ 13.8                 | 1.50                 | 19.0                | 2150              | 300           | 46.1              | 0.58                                      |
| OD180APL-24H*BIP68 | 24                       | 20 ~ 26.4                | 2.50                 | 60.2                | 3375              | 460           | 63.2              | 1.10                                      |
| OD180APL-24M*BIP68 | 24                       | 20 ~ 26.4                | 1.15                 | 28.3                | 2800              | 375           | 53.4              | 0.70                                      |
| OD180APL-24L*BIP68 | 24                       | 20 ~ 26.4                | 0.62                 | 15.6                | 2150              | 300           | 46.1              | 0.58                                      |
| OD180APL-48H*BIP68 | 48                       | 28 ~ 52.0                | 1.03                 | 50.2                | 3375              | 460           | 63.2              | 1.10                                      |
| OD180APL-48M*BIP68 | 48                       | 28 ~ 52.0                | 0.48                 | 24.2                | 2800              | 375           | 53.4              | 0.70                                      |
| OD180APL-48L*BIP68 | 48                       | 28 ~ 52.0                | 0.30                 | 15.4                | 2150              | 300           | 46.1              | 0.58                                      |

\* Insert letter "T" for Terminal connection type. Terminal connection is not IP Rated.