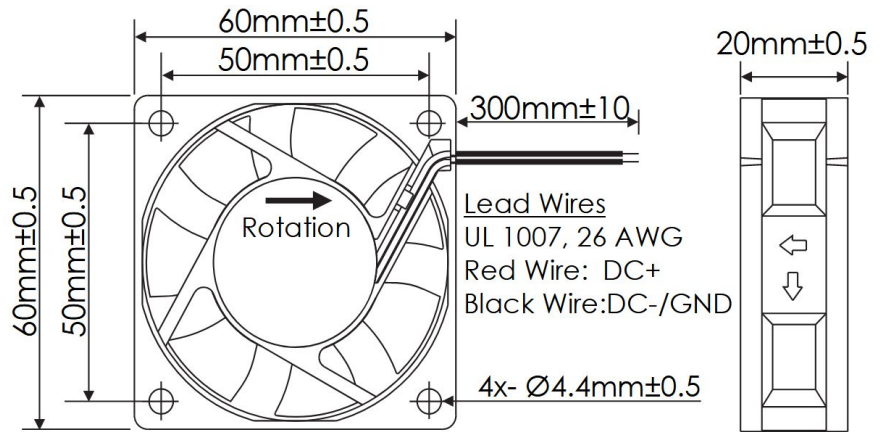


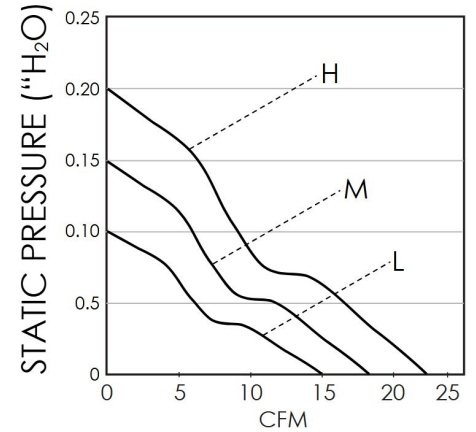
# OD6020 Series



DC Fans - 5, 12, 24V  
60mm x 20mm (2.4" x 0.8")



|                       |                                                                                       |                                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame                 | PBT, UL94 V-0 Plastic                                                                 | <u>Operating Temperature</u><br>-20°C ~ +65°C<br><br><u>Storage Temperature</u><br>-20°C ~ +75°C<br><br><u>Life Expectancy</u><br>70,000 Hours (L10 at 40°C)<br><br><u>Available Options</u><br>PWM Speed Control Input<br>Tachometer Output<br>Alarm Output<br>Sealed Sleeve Bearings<br>IP Ratings<br><br>Weight: 0.13 lbs. |
| Impeller              | PBT, UL94 V-0 Plastic                                                                 |                                                                                                                                                                                                                                                                                                                               |
| Connection            | 2x Lead Wires, 26 AWG                                                                 |                                                                                                                                                                                                                                                                                                                               |
| Motor                 | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected |                                                                                                                                                                                                                                                                                                                               |
| Bearing System        | Ball Bearings                                                                         |                                                                                                                                                                                                                                                                                                                               |
| Dielectric Strength   | 500VDC/min, <1mA                                                                      |                                                                                                                                                                                                                                                                                                                               |
| Insulation Resistance | ≥10M Ohm @ 500 VDC                                                                    |                                                                                                                                                                                                                                                                                                                               |

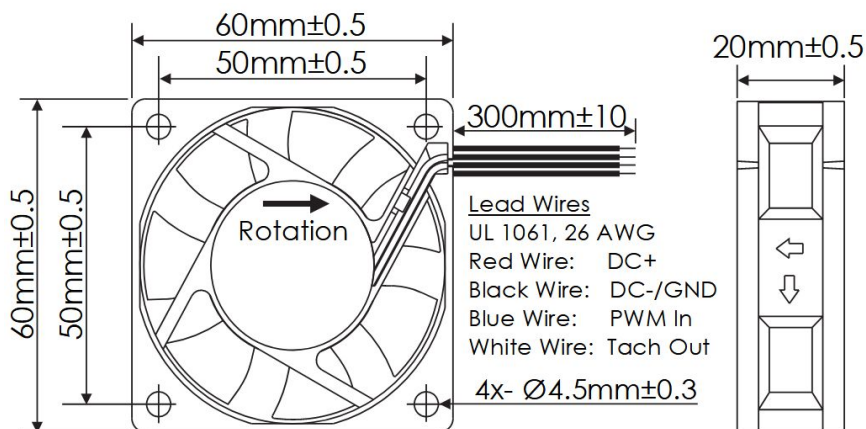


| Part Number | Rated Voltage (Volts) | Voltage Range (Volts) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure (inches H <sub>2</sub> O) |
|-------------|-----------------------|-----------------------|---------------------|----------------------|-------------------|-------------------|-------------------|-----------------------------------------------|
| OD6020-05MB | 5                     | 4.5 ~ 5.5             | 1.3                 | 0.25                 | 4675              | 17.4              | 28.3              | 0.15                                          |
| OD6020-05LB | 5                     | 4.5 ~ 5.5             | 1.0                 | 0.19                 | 3790              | 14.9              | 26.2              | 0.10                                          |
| OD6020-12HB | 12                    | 8 ~ 13.8              | 3.4                 | 0.28                 | 5550              | 22.8              | 33.4              | 0.20                                          |
| OD6020-12MB | 12                    | 8 ~ 13.8              | 2.2                 | 0.18                 | 4675              | 17.4              | 28.3              | 0.15                                          |
| OD6020-12LB | 12                    | 8 ~ 13.8              | 1.8                 | 0.15                 | 3790              | 14.9              | 26.2              | 0.10                                          |
| OD6020-24HB | 24                    | 15 ~ 26.4             | 4.3                 | 0.18                 | 5550              | 22.8              | 33.4              | 0.20                                          |
| OD6020-24MB | 24                    | 15 ~ 26.4             | 3.6                 | 0.15                 | 4675              | 17.4              | 28.3              | 0.15                                          |
| OD6020-24LB | 24                    | 15 ~ 26.4             | 3.1                 | 0.13                 | 3790              | 14.9              | 26.2              | 0.10                                          |

# OD6020 Series with PWM and Tach



DC Fans - 5, 12, 24V  
60mm x 20mm (2.4" x 0.8")

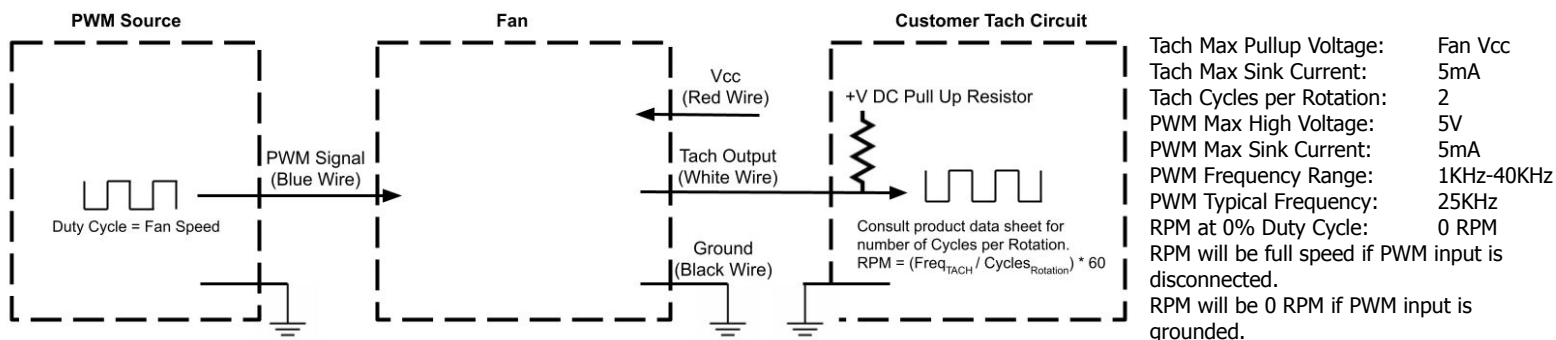


|                       |                                                                                       |                                                                                                                                                                                                                                                                                                                      |
|-----------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame                 | PBT, UL94 V-0 Plastic                                                                 | <u>Operating Temperature</u><br>-20°C ~ +65°C<br><u>Storage Temperature</u><br>-20°C ~ +75°C<br><u>Life Expectancy</u><br>70,000 Hours (L10 at 40°C)<br><u>Installed Options</u><br>PWM Speed Control Input<br>Open Collector Tach Output<br><u>Available Options</u><br>5V TTL Tach Output<br><br>Weight: 0.13 lbs. |
| Impeller              | PBT, UL94 V-0 Plastic                                                                 |                                                                                                                                                                                                                                                                                                                      |
| Connection            | 4x Lead Wires, 26 AWG                                                                 |                                                                                                                                                                                                                                                                                                                      |
| Motor                 | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected |                                                                                                                                                                                                                                                                                                                      |
| Bearing System        | Ball Bearings                                                                         |                                                                                                                                                                                                                                                                                                                      |
| Dielectric Strength   | 500VDC/min, <1mA                                                                      |                                                                                                                                                                                                                                                                                                                      |
| Insulation Resistance | ≥10M Ohm @ 500 VDC                                                                    |                                                                                                                                                                                                                                                                                                                      |

A line graph showing Static Pressure (inches of water) on the y-axis versus CFM (Cubic Feet per Minute) on the x-axis. The y-axis ranges from 0 to 0.25 with increments of 0.05. The x-axis ranges from 0 to 25 with increments of 5. Three solid curves represent different speed settings: H (High), M (Medium), and L (Low). The H curve starts at approximately 0.20 at 0 CFM and drops to 0 at about 15 CFM. The M curve starts at approximately 0.15 at 0 CFM and drops to 0 at about 20 CFM. The L curve starts at approximately 0.10 at 0 CFM and drops to 0 at about 25 CFM. Dashed lines extend from the end of each curve to indicate the trend.

| CFM | Static Pressure (H) | Static Pressure (M) | Static Pressure (L) |
|-----|---------------------|---------------------|---------------------|
| 0   | 0.20                | 0.15                | 0.10                |
| 5   | 0.16                | 0.12                | 0.08                |
| 10  | 0.10                | 0.07                | 0.05                |
| 15  | 0.02                | 0.04                | 0.03                |
| 20  | 0.00                | 0.00                | 0.02                |
| 25  | 0.00                | 0.00                | 0.00                |

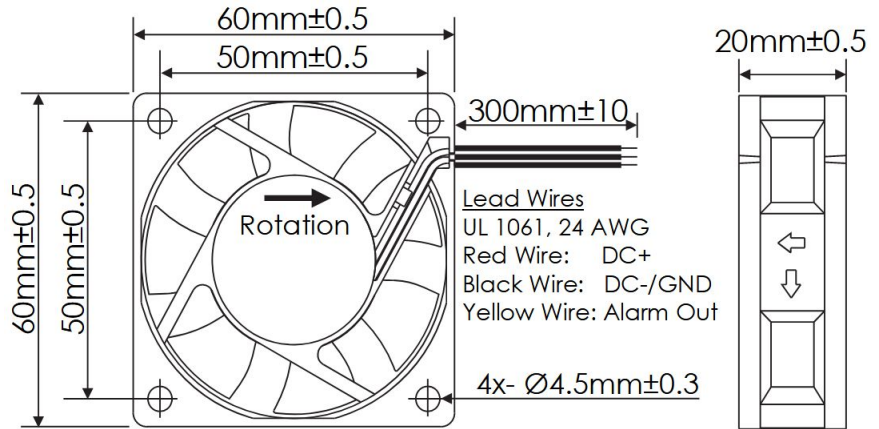
| Part Number    | Rated Voltage (Volts) | Voltage Range (Volts) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H <sub>2</sub> O") |
|----------------|-----------------------|-----------------------|---------------------|----------------------|-------------------|-------------------|-------------------|------------------------------------------|
| OD6020-05MB10A | 5                     | 4.5 ~ 5.5             | 1.3                 | 0.25                 | 4675              | 17.4              | 28.3              | 0.15                                     |
| OD6020-05LB10A | 5                     | 4.5 ~ 5.5             | 1.0                 | 0.19                 | 3790              | 14.9              | 26.2              | 0.10                                     |
| OD6020-12HB10A | 12                    | 8 ~ 13.8              | 3.4                 | 0.28                 | 5550              | 22.8              | 33.4              | 0.20                                     |
| OD6020-12MB10A | 12                    | 8 ~ 13.8              | 2.2                 | 0.18                 | 4675              | 17.4              | 28.3              | 0.15                                     |
| OD6020-12LB10A | 12                    | 8 ~ 13.8              | 1.8                 | 0.15                 | 3790              | 14.9              | 26.2              | 0.10                                     |
| OD6020-24HB10A | 24                    | 15 ~ 26.4             | 4.3                 | 0.18                 | 5550              | 22.8              | 33.4              | 0.20                                     |
| OD6020-24MB10A | 24                    | 15 ~ 26.4             | 3.6                 | 0.15                 | 4675              | 17.4              | 28.3              | 0.15                                     |
| OD6020-24LB10A | 24                    | 15 ~ 26.4             | 3.1                 | 0.13                 | 3790              | 14.9              | 26.2              | 0.10                                     |



# OD6020 Series with Alarm

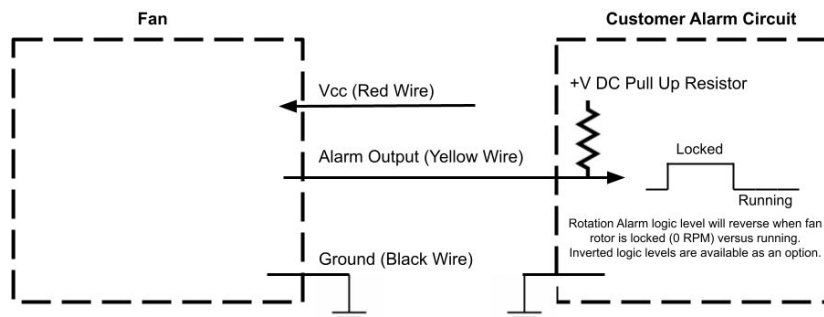


DC Fans - 5, 12, 24V  
60mm x 20mm (2.4" x 0.8")



|                       |                                                                                       |                                                                                                                                                                                                                                                                                                                               |  |
|-----------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Frame                 | PBT, UL94 V-0 Plastic                                                                 | <b>Operating Temperature</b><br>-20°C ~ +65°C<br><b>Storage Temperature</b><br>-20°C ~ +75°C<br><b>Life Expectancy</b><br>70,000 Hours (L10 at 40°C)<br><b>Installed Options</b><br>Open Collector Alarm Output<br><b>Available Options</b><br>Inverted Alarm Logic States<br>5V TTL Alarm Output<br><b>Weight:</b> 0.13 lbs. |  |
| Impeller              | PBT, UL94 V-0 Plastic                                                                 |                                                                                                                                                                                                                                                                                                                               |  |
| Connection            | 3x Lead Wires, 24 AWG                                                                 |                                                                                                                                                                                                                                                                                                                               |  |
| Motor                 | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected |                                                                                                                                                                                                                                                                                                                               |  |
| Bearing System        | Ball Bearings                                                                         |                                                                                                                                                                                                                                                                                                                               |  |
| Dielectric Strength   | 500VDC/min, <1mA                                                                      |                                                                                                                                                                                                                                                                                                                               |  |
| Insulation Resistance | ≥10M Ohm @ 500 VDC                                                                    |                                                                                                                                                                                                                                                                                                                               |  |

| Part Number    | Rated Voltage (Volts) | Voltage Range (Volts) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H <sub>2</sub> O) |
|----------------|-----------------------|-----------------------|---------------------|----------------------|-------------------|-------------------|-------------------|-----------------------------------------|
| OD6020-05MB02A | 5                     | 4.5 ~ 5.5             | 1.3                 | 0.25                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-05LB02A | 5                     | 4.5 ~ 5.5             | 1.0                 | 0.19                 | 3790              | 14.9              | 26.2              | 0.10                                    |
| OD6020-12HB02A | 12                    | 8 ~ 13.8              | 3.4                 | 0.28                 | 5550              | 22.8              | 33.4              | 0.20                                    |
| OD6020-12MB02A | 12                    | 8 ~ 13.8              | 2.2                 | 0.18                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-12LB02A | 12                    | 8 ~ 13.8              | 1.8                 | 0.15                 | 3790              | 14.9              | 26.2              | 0.10                                    |
| OD6020-24HB02A | 24                    | 15 ~ 26.4             | 4.3                 | 0.18                 | 5550              | 22.8              | 33.4              | 0.20                                    |
| OD6020-24MB02A | 24                    | 15 ~ 26.4             | 3.6                 | 0.15                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-24LB02A | 24                    | 15 ~ 26.4             | 3.1                 | 0.13                 | 3790              | 14.9              | 26.2              | 0.10                                    |

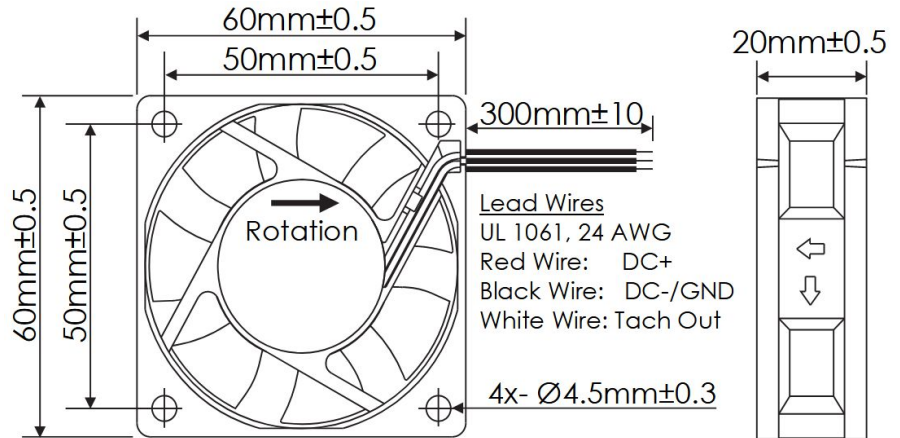


Alarm Max Pullup Voltage: Fan Vcc  
Alarm Max Sink Current: 5mA  
Alarm Active Logic State: High

# OD6020 Series with Tachometer

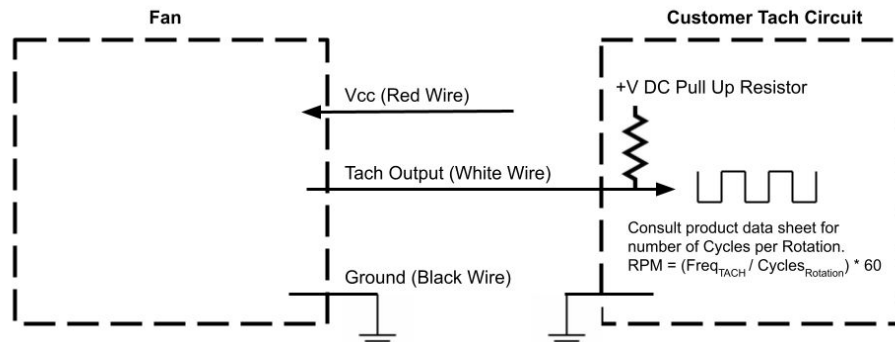


DC Fans - 5, 12, 24V  
60mm x 20mm (2.4" x 0.8")



|                       |                                                                                       |                                                                                                                                                                                                                                                                                              |  |
|-----------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Frame                 | PBT, UL94 V-0 Plastic                                                                 | <b>Operating Temperature</b><br>-20°C ~ +65°C<br><b>Storage Temperature</b><br>-20°C ~ +75°C<br><b>Life Expectancy</b><br>70,000 Hours (L10 at 40°C)<br><b>Installed Options</b><br>Open Collector Tach Output<br><b>Available Options</b><br>5V TTL Tach Output<br><b>Weight:</b> 0.13 lbs. |  |
| Impeller              | PBT, UL94 V-0 Plastic                                                                 |                                                                                                                                                                                                                                                                                              |  |
| Connection            | 3x Lead Wires, 24 AWG                                                                 |                                                                                                                                                                                                                                                                                              |  |
| Motor                 | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected |                                                                                                                                                                                                                                                                                              |  |
| Bearing System        | Ball Bearings                                                                         |                                                                                                                                                                                                                                                                                              |  |
| Dielectric Strength   | 500VDC/min, <1mA                                                                      |                                                                                                                                                                                                                                                                                              |  |
| Insulation Resistance | ≥10M Ohm @ 500 VDC                                                                    |                                                                                                                                                                                                                                                                                              |  |

| Part Number    | Rated Voltage (Volts) | Voltage Range (Volts) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H <sub>2</sub> O) |
|----------------|-----------------------|-----------------------|---------------------|----------------------|-------------------|-------------------|-------------------|-----------------------------------------|
| OD6020-05MB01A | 5                     | 4.5 ~ 5.5             | 1.3                 | 0.25                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-05LB01A | 5                     | 4.5 ~ 5.5             | 1.0                 | 0.19                 | 3790              | 14.9              | 26.2              | 0.10                                    |
| OD6020-12HB01A | 12                    | 8 ~ 13.8              | 3.4                 | 0.28                 | 5550              | 22.8              | 33.4              | 0.20                                    |
| OD6020-12MB01A | 12                    | 8 ~ 13.8              | 2.2                 | 0.18                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-12LB01A | 12                    | 8 ~ 13.8              | 1.8                 | 0.15                 | 3790              | 14.9              | 26.2              | 0.10                                    |
| OD6020-24HB01A | 24                    | 15 ~ 26.4             | 4.3                 | 0.18                 | 5550              | 22.8              | 33.4              | 0.20                                    |
| OD6020-24MB01A | 24                    | 15 ~ 26.4             | 3.6                 | 0.15                 | 4675              | 17.4              | 28.3              | 0.15                                    |
| OD6020-24LB01A | 24                    | 15 ~ 26.4             | 3.1                 | 0.13                 | 3790              | 14.9              | 26.2              | 0.10                                    |



Tach Max Pullup Voltage: Fan Vcc  
 Tach Max Sink Current: 5mA  
 Tach Cycles per Rotation: 2