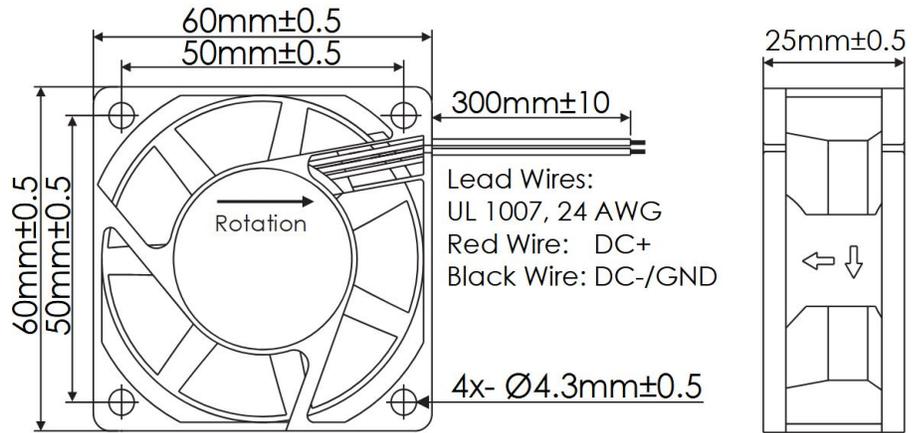


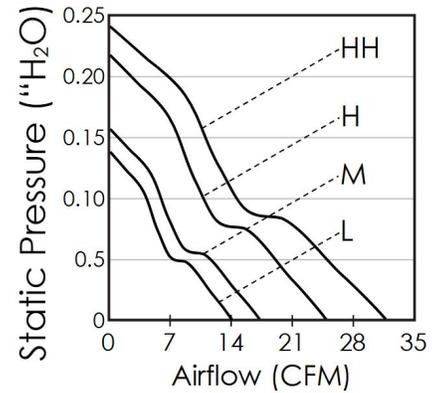
OD6025 Series



DC Fans - 12, 24, 48V
60mm x 25mm (2.4" x 1.0")



| | | |
|-----------------------|---|--|
| Frame | PBT, UL94 V-0 Plastic | <u>Operating Temperature</u> -20°C ~ +65°C <u>Storage Temperature</u> -20°C ~ +70°C <u>Life Expectancy</u> 70,000 Hours (L10 at 40°C) <u>Available Options</u> PWM Speed Control Input Tachometer Output Alarm Output 5V DC Versions IP and Salt Fog Ratings Weight: 0.14 lbs. |
| Impeller | PBT, UL94 V-0 Plastic | |
| Connection | 2x Lead Wires, 24 AWG | |
| Motor | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected | |
| Bearing System | Dual Ball Bearings | |
| Dielectric Strength | 500VDC/min, <1mA | |
| Insulation Resistance | ≥10MΩ @ 500 VDC | |

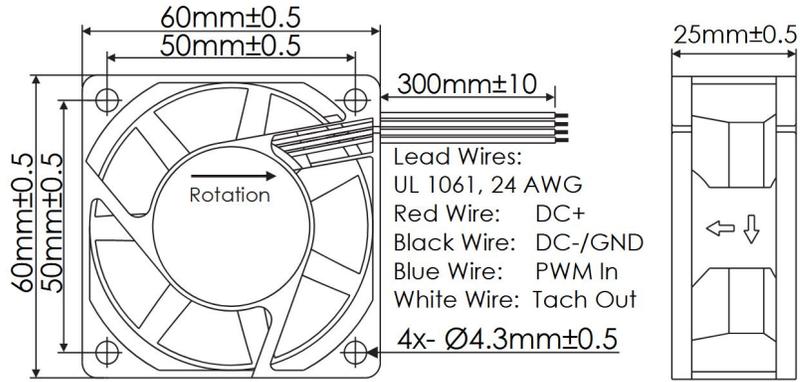


| Part Number | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H ₂ O) |
|--------------|--------------------------|--------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|---|
| OD6025-12HHB | 12 | 8 ~ 13.8 | 2.5 | 0.21 | 4390 | 32 | 32 | 0.24 |
| OD6025-12HB | 12 | 8 ~ 13.8 | 1.8 | 0.15 | 3975 | 25 | 30 | 0.22 |
| OD6025-12MB | 12 | 8 ~ 13.8 | 1.5 | 0.12 | 3150 | 17 | 26 | 0.16 |
| OD6025-12LB | 12 | 8 ~ 13.8 | 1.0 | 0.08 | 2480 | 14 | 20 | 0.14 |
| OD6025-24HHB | 24 | 15 ~ 26.4 | 3.6 | 0.15 | 4390 | 32 | 32 | 0.24 |
| OD6025-24HB | 24 | 15 ~ 26.4 | 2.9 | 0.12 | 3975 | 25 | 30 | 0.22 |
| OD6025-24MB | 24 | 15 ~ 26.4 | 2.2 | 0.09 | 3150 | 17 | 26 | 0.16 |
| OD6025-24LB | 24 | 15 ~ 26.4 | 1.5 | 0.06 | 2480 | 14 | 20 | 0.14 |
| OD6025-48HHB | 48 | 28 ~ 52.0 | 6.2 | 0.13 | 4390 | 32 | 32 | 0.24 |
| OD6025-48HB | 48 | 28 ~ 52.0 | 5.3 | 0.11 | 3975 | 25 | 30 | 0.23 |

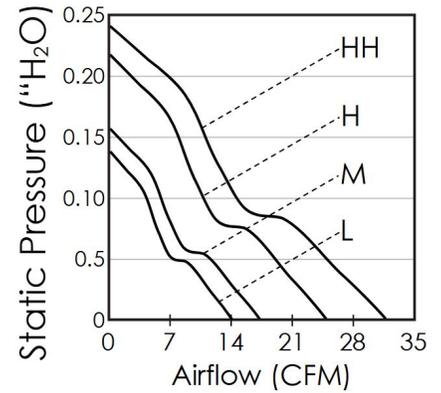
OD6025 Series with PWM and Tach



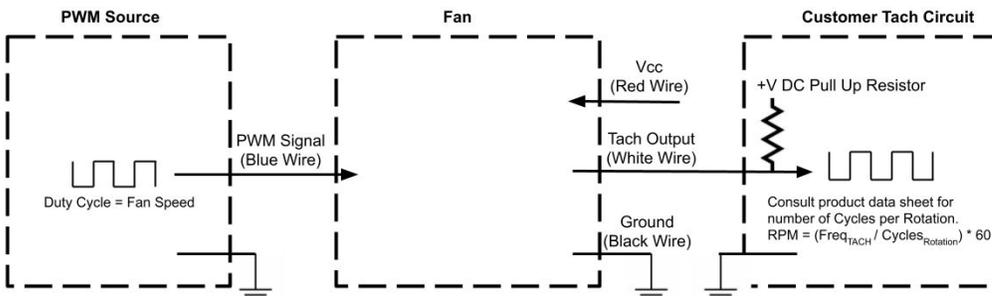
DC Fans - 12, 24, 48V
60mm x 25mm (2.4" x 1.0")



| | | |
|-----------------------|---|--|
| Frame | PBT, UL94 V-0 Plastic | Operating Temperature -20°C ~ +65°C |
| Impeller | PBT, UL94 V-0 Plastic | |
| Connection | 4x Lead Wires, 24 AWG | Storage Temperature -20°C ~ +70°C |
| Motor | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected | |
| Bearing System | Dual Ball Bearings | Life Expectancy 70,000 Hours (L10 at 40°C) |
| Dielectric Strength | 500VDC/min, <1mA | |
| Insulation Resistance | ≥10MΩ @ 500 VDC | Installed Options PWM Speed Control Input Open Collector Tach Output |
| | | Weight: 0.14 lbs. |



| Part Number | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H ₂ O) |
|-----------------|--------------------------|--------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|---|
| OD6025-12HHB10A | 12 | 8 ~ 13.8 | 2.5 | 0.21 | 4390 | 32 | 32 | 0.24 |
| OD6025-12HB10A | 12 | 8 ~ 13.8 | 1.8 | 0.15 | 3975 | 25 | 30 | 0.22 |
| OD6025-12MB10A | 12 | 8 ~ 13.8 | 1.5 | 0.12 | 3150 | 17 | 26 | 0.16 |
| OD6025-12LB10A | 12 | 8 ~ 13.8 | 1.0 | 0.08 | 2480 | 14 | 20 | 0.14 |
| OD6025-24HHB10A | 24 | 15 ~ 26.4 | 3.6 | 0.15 | 4390 | 32 | 32 | 0.24 |
| OD6025-24HB10A | 24 | 15 ~ 26.4 | 2.9 | 0.12 | 3975 | 25 | 30 | 0.22 |
| OD6025-24MB10A | 24 | 15 ~ 26.4 | 2.2 | 0.09 | 3150 | 17 | 26 | 0.16 |
| OD6025-24LB10A | 24 | 15 ~ 26.4 | 1.5 | 0.06 | 2480 | 14 | 20 | 0.14 |
| OD6025-48HHB10A | 48 | 28 ~ 52.0 | 6.2 | 0.13 | 4390 | 32 | 32 | 0.24 |
| OD6025-48HB10A | 48 | 28 ~ 52.0 | 5.3 | 0.11 | 3975 | 25 | 30 | 0.23 |

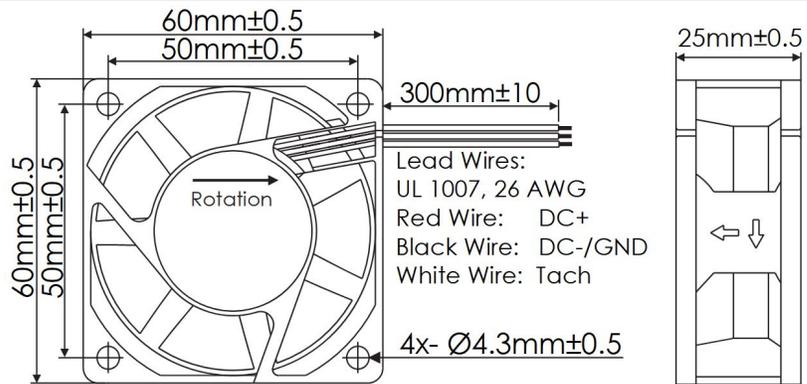


- Tach Max Pullup Voltage: Fan Vcc
- Tach Max Sink Current: 8mA
- Tach Cycles per Rotation: 2
- PWM Max High Voltage: 5V
- PWM Max Sink Current: 5mA
- PWM Frequency Range: 1KHz-100KHz
- PWM Typical Frequency: 25KHz
- RPM at 0% Duty Cycle: 0 RPM
- RPM will be full speed if PWM input is disconnected.
- RPM will be 0 RPM if PWM input is grounded.

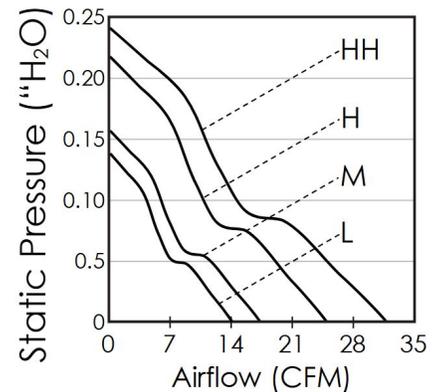
OD6025 Series with Tach



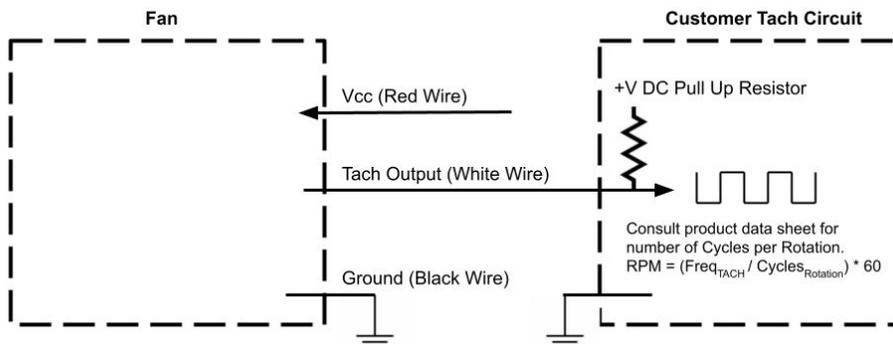
DC Fans - 12, 24, 48V
60mm x 25mm (2.4" x 1.0")



| | | |
|-----------------------|---|---|
| Frame | PBT, UL94 V-0 Plastic | Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +70°C Life Expectancy 70,000 Hours (L10 at 40°C) |
| Impeller | PBT, UL94 V-0 Plastic | |
| Connection | 3x Lead Wires, 26 AWG | Installed Options Open Collector Tach Output |
| Motor | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected | |
| Bearing System | Dual Ball Bearings | Available Options 5V TTL Tach Output |
| Dielectric Strength | 500VDC/min, <1mA | |
| Insulation Resistance | ≥10MΩ @ 500 VDC | Weight: 0.14 lbs. |



| Part Number | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H ₂ O) |
|-----------------|--------------------------|--------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|---|
| OD6025-12HHB01A | 12 | 8 ~ 13.8 | 2.5 | 0.21 | 4390 | 32 | 32 | 0.24 |
| OD6025-12HB01A | 12 | 8 ~ 13.8 | 1.8 | 0.15 | 3975 | 25 | 30 | 0.22 |
| OD6025-12MB01A | 12 | 8 ~ 13.8 | 1.5 | 0.12 | 3150 | 17 | 26 | 0.16 |
| OD6025-12LB01A | 12 | 8 ~ 13.8 | 1.0 | 0.08 | 2480 | 14 | 20 | 0.14 |
| OD6025-24HHB01A | 24 | 15 ~ 26.4 | 3.6 | 0.15 | 4390 | 32 | 32 | 0.24 |
| OD6025-24HB01A | 24 | 15 ~ 26.4 | 2.9 | 0.12 | 3975 | 25 | 30 | 0.22 |
| OD6025-24MB01A | 24 | 15 ~ 26.4 | 2.2 | 0.09 | 3150 | 17 | 26 | 0.16 |
| OD6025-24LB01A | 24 | 15 ~ 26.4 | 1.5 | 0.06 | 2480 | 14 | 20 | 0.14 |
| OD6025-48HHB01A | 48 | 28 ~ 52.0 | 6.2 | 0.13 | 4390 | 32 | 32 | 0.24 |
| OD6025-48HB01A | 48 | 28 ~ 52.0 | 5.3 | 0.11 | 3975 | 25 | 30 | 0.23 |

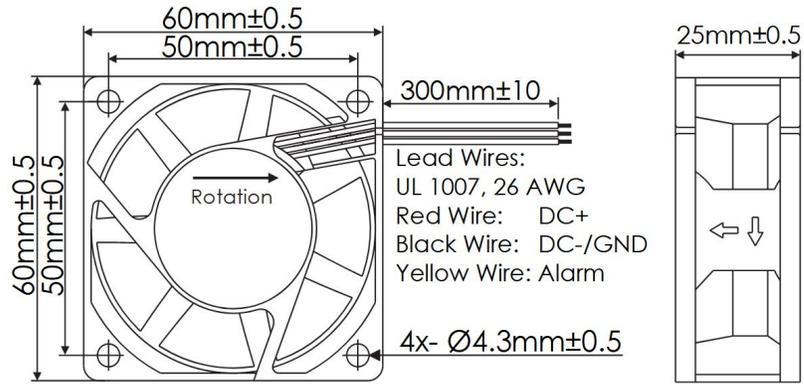


Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 8mA
Tach Cycles per Rotation: 2

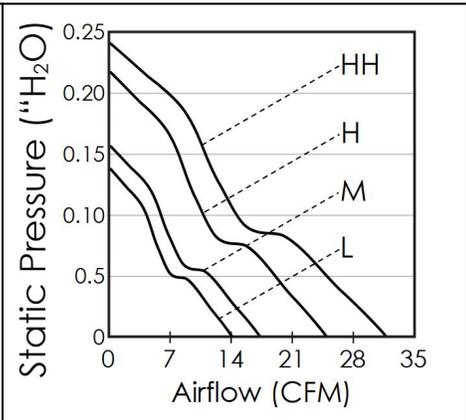
OD6025 Series with Alarm



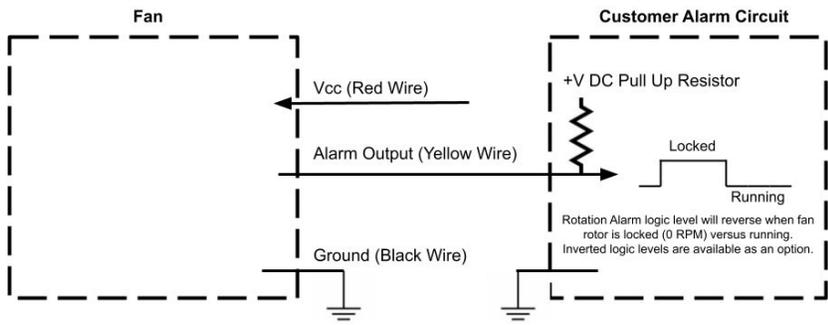
DC Fans - 12, 24, 48V
60mm x 25mm (2.4" x 1.0")



| | | |
|-----------------------|---|---|
| Frame | PBT, UL94 V-0 Plastic | Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +70°C Life Expectancy 70,000 Hours (L10 at 40°C) |
| Impeller | PBT, UL94 V-0 Plastic | |
| Connection | 3x Lead Wires, 26 AWG | Installed Options Open Collector Alarm Output Available Options Inverted Alarm Logic States 5V TTL Alarm Output |
| Motor | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected | |
| Bearing System | Dual Ball Bearings | Weight: 0.14 lbs. |
| Dielectric Strength | 500VDC/min, <1mA | |
| Insulation Resistance | ≥10MΩ @ 500 VDC | |



| Part Number | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H ₂ O) |
|-----------------|--------------------------|--------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|---|
| OD6025-12HHB02A | 12 | 8 ~ 13.8 | 2.5 | 0.21 | 4390 | 32 | 32 | 0.24 |
| OD6025-12HB02A | 12 | 8 ~ 13.8 | 1.8 | 0.15 | 3975 | 25 | 30 | 0.22 |
| OD6025-12MB02A | 12 | 8 ~ 13.8 | 1.5 | 0.12 | 3150 | 17 | 26 | 0.16 |
| OD6025-12LB02A | 12 | 8 ~ 13.8 | 1.0 | 0.08 | 2480 | 14 | 20 | 0.14 |
| OD6025-24HHB02A | 24 | 15 ~ 26.4 | 3.6 | 0.15 | 4390 | 32 | 32 | 0.24 |
| OD6025-24HB02A | 24 | 15 ~ 26.4 | 2.9 | 0.12 | 3975 | 25 | 30 | 0.22 |
| OD6025-24MB02A | 24 | 15 ~ 26.4 | 2.2 | 0.09 | 3150 | 17 | 26 | 0.16 |
| OD6025-24LB02A | 24 | 15 ~ 26.4 | 1.5 | 0.06 | 2480 | 14 | 20 | 0.14 |
| OD6025-48HHB02A | 48 | 28 ~ 52.0 | 6.2 | 0.13 | 4390 | 32 | 32 | 0.24 |
| OD6025-48HB02A | 48 | 28 ~ 52.0 | 5.3 | 0.11 | 3975 | 25 | 30 | 0.23 |

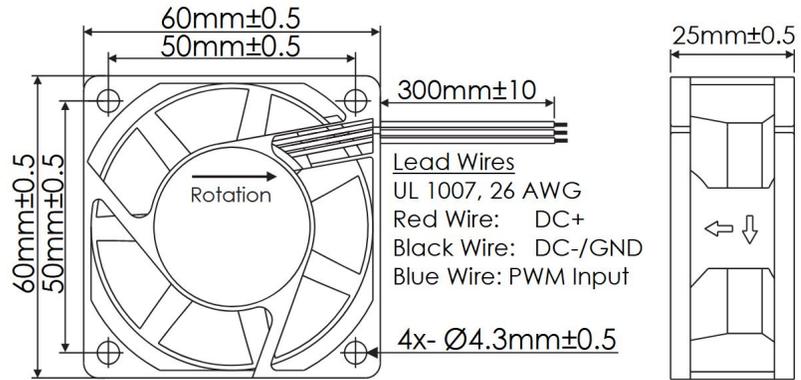


Alarm Max Pullup Voltage: Fan Vcc
Alarm Max Sink Current: 5mA
Alarm Active Logic State: High

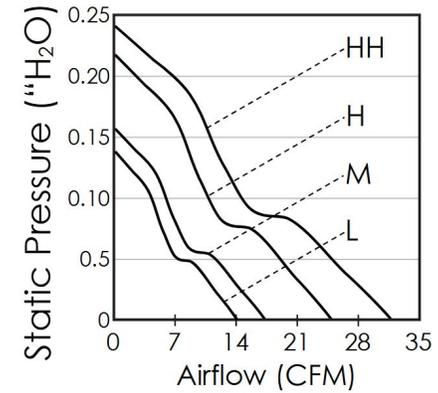
OD6025 Series with PWM



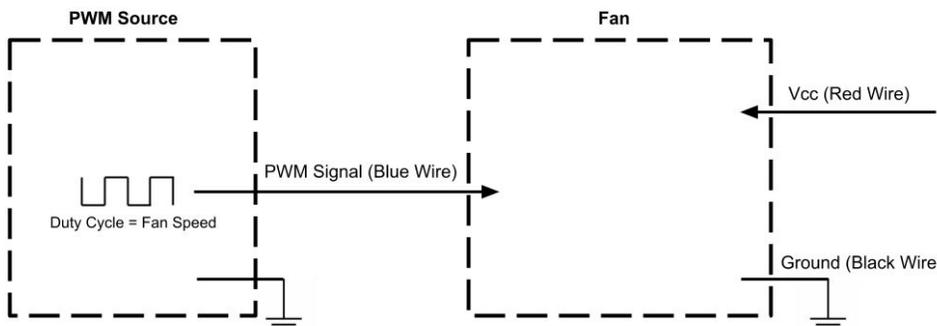
DC Fans - 12, 24, 48V
60mm x 25mm (2.4" x 1.0")



| | | |
|-----------------------|---|---|
| Frame | PBT, UL94 V-0 Plastic | Operating Temperature -20°C ~ +65°C |
| Impeller | PBT, UL94 V-0 Plastic | |
| Connection | 3x Lead Wires, 26 AWG | Storage Temperature -20°C ~ +70°C |
| Motor | Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected | |
| Bearing System | Dual Ball Bearings | Life Expectancy 70,000 Hours (L10 at 40°C) |
| Dielectric Strength | 500VDC/min, <1mA | |
| Insulation Resistance | ≥10MΩ @ 500 VDC | Installed Options PWM Speed Control Input |
| | | Weight: 0.14 lbs. |



| Part Number | Rated Voltage (Volts DC) | Voltage Range (Volts DC) | Input Power (Watts) | Rated Current (Amps) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure ("H ₂ O) |
|----------------|--------------------------|--------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|---|
| OD6025-12HHB05 | 12 | 8 ~ 13.8 | 2.5 | 0.21 | 4390 | 32 | 32 | 0.24 |
| OD6025-12HB05 | 12 | 8 ~ 13.8 | 1.8 | 0.15 | 3975 | 25 | 30 | 0.22 |
| OD6025-12MB05 | 12 | 8 ~ 13.8 | 1.5 | 0.12 | 3150 | 17 | 26 | 0.16 |
| OD6025-12LB05 | 12 | 8 ~ 13.8 | 1.0 | 0.08 | 2480 | 14 | 20 | 0.14 |
| OD6025-24HHB05 | 24 | 15 ~ 26.4 | 3.6 | 0.15 | 4390 | 32 | 32 | 0.24 |
| OD6025-24HB05 | 24 | 15 ~ 26.4 | 2.9 | 0.12 | 3975 | 25 | 30 | 0.22 |
| OD6025-24MB05 | 24 | 15 ~ 26.4 | 2.2 | 0.09 | 3150 | 17 | 26 | 0.16 |
| OD6025-24LB05 | 24 | 15 ~ 26.4 | 1.5 | 0.06 | 2480 | 14 | 20 | 0.14 |
| OD6025-48HHB05 | 48 | 28 ~ 52.0 | 6.2 | 0.13 | 4390 | 32 | 32 | 0.24 |
| OD6025-48HB05 | 48 | 28 ~ 52.0 | 5.3 | 0.11 | 3975 | 25 | 30 | 0.23 |



PWM Max High Voltage: 5V
 PWM Max Sink Current: 5mA
 PWM Frequency Range: 1KHz-100KHz
 PWM Typical Frequency: 25KHz
 RPM at 0% Duty Cycle: 0 RPM
 RPM will be full speed if PWM input is disconnected.
 RPM will be 0 RPM if PWM input is grounded.