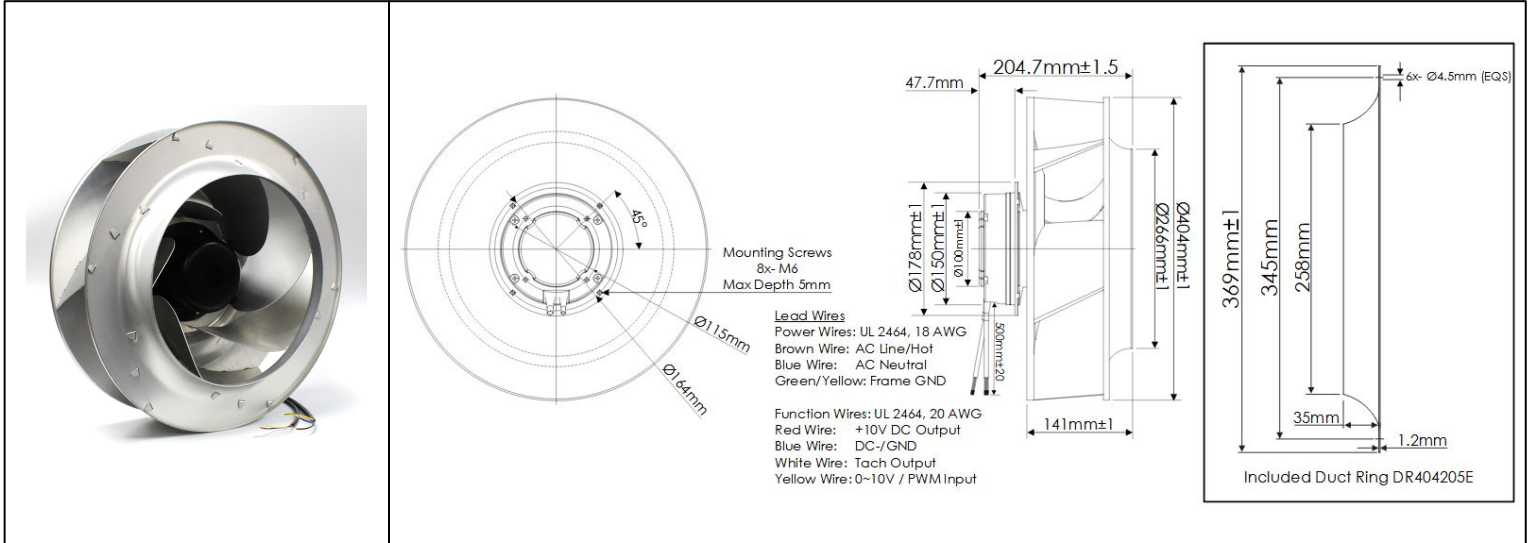


# OE404205 Series

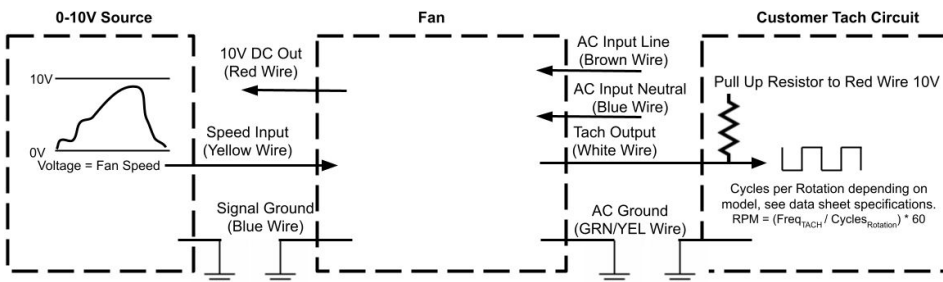


EC Centrifugal Fans - 115, 230V  
404mm x 204.7mm (15.9" x 8.06")

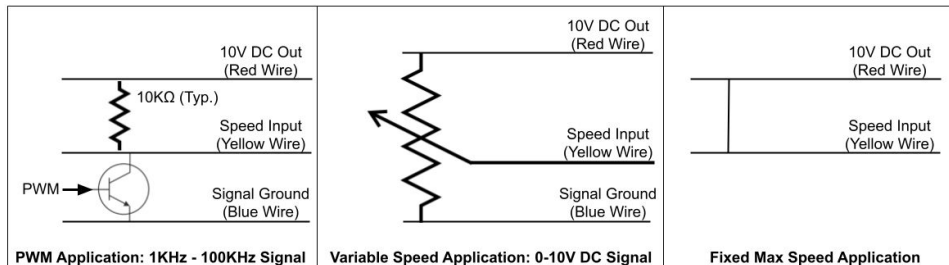


|                       |                                                           |                                                                                                                                                                                                                                                                                                                       |  |
|-----------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Motor Housing         | Die Cast Aluminum                                         | <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>50,000 Hours (L10 at 40°C)<br><b>Installed Options</b><br>0-10V Speed Control w/ PWM<br>Tachometer Output<br><b>Included Accessories</b><br>DR404205E Intake Duct Ring<br>Weight: 12.4 lbs. |  |
| Impeller              | Aluminum Alloy                                            |                                                                                                                                                                                                                                                                                                                       |  |
| Connection            | 7x Lead Wires, 18/20 AWG                                  |                                                                                                                                                                                                                                                                                                                       |  |
| Motor                 | Electronically Commutated, Electronically Protected, IP44 |                                                                                                                                                                                                                                                                                                                       |  |
| Bearing System        | Ball Bearings                                             |                                                                                                                                                                                                                                                                                                                       |  |
| Dielectric Strength   | 1400VAC/min, <1mA                                         |                                                                                                                                                                                                                                                                                                                       |  |
| Insulation Resistance | ≥10MΩ @ 500 VDC                                           |                                                                                                                                                                                                                                                                                                                       |  |

| Part Number          | Rated Voltage (Volts AC) | Voltage Range (Volts AC) | Frequency (Hertz) | Input Power (Watts) | Rated Speed (RPM) | Max Airflow (CFM) | Noise Level (dBA) | Max Static Pressure (H <sub>2</sub> O) |
|----------------------|--------------------------|--------------------------|-------------------|---------------------|-------------------|-------------------|-------------------|----------------------------------------|
| OE404205-11-1WB1824A | 115                      | 100 ~ 135                | 50 / 60           | 400                 | 1550              | 2075              | 71.1              | 2.8                                    |
| OE404205-22-1WB1824A | 230                      | 200 ~ 275                | 50 / 60           | 400                 | 1550              | 2075              | 71.1              | 2.8                                    |



|                                 |             |
|---------------------------------|-------------|
| Tach Max Pullup Voltage:        | 12V         |
| Tach Recommended Resistor:      | 10KΩ        |
| Tach Cycles per Revolution:     | 9           |
| Speed Control Max Voltage:      | 10V         |
| Speed Control Max Sink Current: | 8mA         |
| PWM Frequency Range:            | 1KHz-100KHz |
| PWM Typical Frequency:          | 25KHz       |
| RPM at 0% Duty Cycle / 0V:      | 0 RPM       |



| 0-10V Speed Control | 0V DC | 1.5V DC | 5V DC   | 10V DC   |
|---------------------|-------|---------|---------|----------|
| RPM                 | 0     | 270±35% | 850±25% | 1550±10% |

| PWM Duty Cycle | 0% | 15%     | 50%     | 100%    |
|----------------|----|---------|---------|---------|
| RPM            | 0  | 270±35% | 850±25% | 1550±10 |

# Mouser Electronics

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