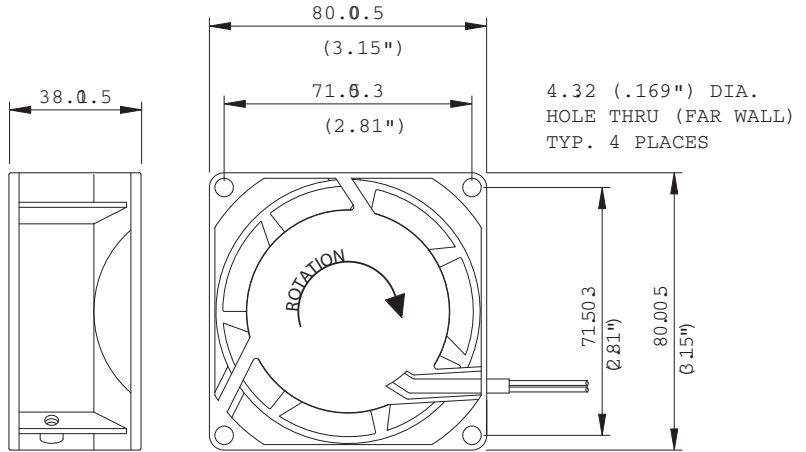


# OA80 Series



AC Fan - 115V, 230V, Dual Voltage  
80 x 38mm(3.15" x 1.5")



M4 GROUND HOLE

|                       |                                                |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame                 | Diecast Aluminum                               | <u>Operating Temperature</u><br>Ball Bearing<br>-20C ~ +80C<br>Sleeve Bearing<br>-10C ~ +50C<br><br><u>Life Expectancy</u><br>Ball Bearing<br>60,000 hours (L10 at 40C)<br>Sleeve Bearing<br>30,000 hours (L10 at 40C)<br><br><u>Dual Voltage</u><br>Connection via 4x leads.<br>Fans can be configured for<br>115V or 230V operation.<br><br>m0 | <p>Graph showing Static Pressure ("H2O) vs Airflow (CFM) for OA80 Series fans. The y-axis ranges from 0.00 to 0.25 "H2O, and the x-axis ranges from 0 to 35 CFM. Three curves are shown, representing different fan models: OA80AP-11-1* (top curve), OA80AP-11-2* (middle curve), and OA80AP-11-3* (bottom curve). All curves show a decrease in static pressure as airflow increases.</p> |
| Impeller              | PBT, UL94V-O plastic                           |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
| Connection            | 2x Lead Wires 22 AWG or terminals              |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
| Motor                 | Shaded pole, impedance protected               |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
| Bearing System        | Dual ball or Sleeve                            |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
| Insulation Resistance | >100M ohm between lead-wire and frame (500VDC) |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |
| Dielectric Strength   | 1 min at 1500 VAC, 50/60Hz                     |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                             |

| Model Number      | Speed (RPM) | Airflow (CFM) | Noise (dB) | Volts AC | Voltage Range | Watts | Max. Static Pressure ("H2O) |
|-------------------|-------------|---------------|------------|----------|---------------|-------|-----------------------------|
| OA80AP-11-1*      | 3000        | 31            | 29         | 115      | 80~130        | 12    | 0.24                        |
| OA80AP-11-2*      | 2300        | 23            | 22         | 115      | 80~130        | 9     | 0.15                        |
| OA80AP-11-3*      | 1600        | 17            | 18         | 115      | 80~130        | 5     | 0.10                        |
| OA80AP-22-1*      | 3000        | 31            | 29         | 230      | 160~260       | 12    | 0.24                        |
| OA80AP-22-2*      | 2300        | 23            | 22         | 230      | 160~260       | 9     | 0.15                        |
| OA80AP-22-3*      | 1600        | 17            | 18         | 230      | 160~260       | 5     | 0.10                        |
| OA80AP-11/22-1W** | 3000        | 31            | 29         | 115/230  | 80~260        | 12    | 0.24                        |
| OA80AP-11/22-2W** | 2300        | 23            | 22         | 115/230  | 80~260        | 9     | 0.15                        |
| OA80AP-11/22-3W** | 1600        | 17            | 18         | 115/230  | 80~260        | 5     | 0.10                        |

\* Indicate "TB" (Terminal Ball Bearing), "WB" (12" Wire Leads, Ball Bearing), "TS" (Terminal, Sleeve Bearing), "WS" (12" Wire Leads, Sleeve Bearing)

\*\* Indicate "B" (Ball Bearing) or "S" (Sleeve Bearing)

Alternate 5 blade frame style available (m2)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Orion Fans:

[OA80AP-11/22-1WS](#) [OA80AP-11/22-3WB](#) [OA80AP-11/22-3WS](#) [OA80AP-11/22-1WB](#) [OA80AP-11-2WS](#) [OA80AP-11-2TS](#) [OA80AP-11-1WS](#) [OA80AP-11-3TS](#) [OA80AP-22-2WS](#) [OA80AP-22-2TS](#) [OA80AP-11-1TS](#) [OA80AP-11/22-2WS](#) [OA80AP-11/22-2WB](#) [OA80AP-22-1TS](#) [OA80AP-22-3TS](#) [OA80AP-22-3WS](#) [OA80AP-11-3WS](#)