PRODUCT SUBMITTAL 500EC





APPLICATION

The AtmosAir 500EC ionization system is designed to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit produces bi-polar ions when airflow is delivered over the ion tubes. Power to the unit can be controlled with an optional air pressure differential switch or interlocked with HVAC fan operation, provided the power delivered to the unit does not exceed its rated voltage. Ionization intensity can be adjusted with a five-step knob on the unit. Power to the unit can be turned off at the unit or a quick disconnect at the power cord.

Optional/Available:

- Air Pressure Switch
- · Mounting Bracket
- Timer
- · Remote Monitoring Panel
- Remote Ion Switch and Indicator Light
- · Remote Indicator Light Only
- IP66

SPECIFICATIONS

| General Product Information | | | |
|-----------------------------|---|--|--|
| Figure 1 | | | |
| Flowrate (CFM) | mm WG / inch WG | Pascal (Pa) | |
| 8,000 | 203.2mm x 10 ⁻³ 8.0" x 10 ⁻³ | 2.00 | |
| Air Flow Capacity | Up to 8,000 CFM | Up to 8,000 CFM | |
| Pressure Drop | Minimal | Minimal | |
| Housing Material | 22 Gauge Powde | 22 Gauge Powder-Coated Steel | |
| Weight | 6.80 kg (15 lbs) | 6.80 kg (15 lbs) | |
| Max Operation Temp. | 65.6°C (150°F) | 65.6°C (150°F) | |
| Electrical | | | |
| Rated Voltage | 110/120 VAC or 22 | 110/120 VAC or 220/240 VAC | |
| Frequency | 50/60 Hz | 50/60 Hz | |
| Power Consumption | 14 Watts | 14 Watts | |
| Current Draw | 0.13 Amps (130m | 0.13 Amps (130mA) / 0.06 Amps (60mA) | |
| Fuse | | T 315mA Glass 5mm x 20mm (120 V) T 200mA Glass 5mm x 20mm (240 V) | |
| Field Electrical Connection | n Nema 5-15 Plug o | Nema 5-15 Plug or 3 Wire to Junction Box | |
| Ionization Tube | | | |
| Material | Multi-Core Comp | Multi-Core Composite, Stainless Steel | |
| Max Quantity | Up to Five (5) | Up to Five (5) | |
| Size | E (355.6mm) (14" | E (355.6mm) (14") | |
| Estimated Tube Life | 17,600 Hours (Tw | 17,600 Hours (Two Years) | |

Approvals

CE, UKCA and Intertek ETL to UL Standards: 1995, 867, 867A; CSA 22.2; Heating & Cooling Equipment, Electrostatic Air Cleaners, Commercial/Industrial Indoor Air Quality Systems.

Figure 2



