Application:
The AtmosAir 500EC ionization system is intended to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit is intended to produce 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 5 step knob on the unit. Power to the unit can be turned off at the unit or a quick disconnect at the power cord. Standard systems are IP54 rated.

Optional Accessories: Air Pressure Switch; Mounting Bracket; Timer; Remote Monitoring Panel; Remote Ion Switch and Indicator Light; Remote Indicator Light Only; IP66.

Specifications:

### General Product Information

<table>
<thead>
<tr>
<th>Flowrate (CFM)</th>
<th>Inches WG</th>
<th>Pascal (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,000</td>
<td>8.0 x 10^3</td>
<td>2.00</td>
</tr>
</tbody>
</table>

### Electrical

- **Rated Voltage:** 110 to 250 VAC
- **Frequency:** 50/60 Hz
- **Power Consumption:** 52 Watts
- **Current Draw:** 0.220 Amps
- **Internal Fuse:** 500mA FST Glass 5mm x 20mm
- **Field Electrical Connection:** Nema 5-15 plug or 3 wire to Junction Box

### Ionization Tube

- **Material:** Mono-Core Composite, Stainless Steel
- **Max Quantity:** Five (5)
- **Size:** E size = 14” (356mm)
- **Estimated Tube Life:** 2 Years or 17,600 Hours

### Approvals

- ETL: [UL 1995:2015 Ed.5] [CSA C22.2#236:2015 Ed.5] [UL 867:2011 Ed.5 +R.07Aug2018] [UL SUBJECT 867A:2014 Ed.1]

### FIGURE 1

#### Flowrate (CFM)

<table>
<thead>
<tr>
<th>Flowrate (CFM)</th>
<th>Inches WG</th>
<th>Pascal (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,000</td>
<td>8.0 x 10^3</td>
<td>2.00</td>
</tr>
</tbody>
</table>

#### Pressure Drop

See Figure 1

- **Housing Material:** 22 gauge powder-coated steel
- **Weight:** 15 lbs (6.8 kg.)
- **Max Operation Temp.:** 160° F (71° C)
- **Electrical**
  - **Rated Voltage:** 110 to 250 VAC
  - **Frequency:** 50/60 Hz
  - **Power Consumption:** 52 Watts
  - **Current Draw:** 0.220 Amps
  - **Internal Fuse:** 500mA FST Glass 5mm x 20mm
  - **Field Electrical Connection:** Nema 5-15 plug or 3 wire to Junction Box

#### Ionization Tube

- **Material:** Mono-Core Composite, Stainless Steel
- **Max Quantity:** Five (5)
- **Size:** E size = 14” (356mm)
- **Estimated Tube Life:** 2 Years or 17,600 Hours

### FIGURE 2

**Duct Cut-Out**

- **Duct Cut-Out Length:** 19.5”
- **Duct Cut-Out Length:** 18”
- **Duct Cut-Out Length:** 21.75”

**Duct Cut-Out**

- **Duct Cut-Out Length:** 19.5”
- **Duct Cut-Out Length:** 18”
- **Duct Cut-Out Length:** 21.75”
Application:
The AtmosAir 500FC ionization system is intended to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit is intended to produce 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 it’s rated voltage. Ionization intensity can be adjusted with a 5 step knob on the unit. Power to the unit can be turned off at the unit or a quick disconnect at the power cord. Standard systems are IP54 rated.

Optional Accessories: Air Pressure Switch; Mounting Bracket; Timer; Remote Monitoring Panel; Remote Ion Switch and Indicator Light; Remote Indicator light Only; IP66.

Specifications:

<table>
<thead>
<tr>
<th>General Product Information</th>
<th>Air Flow Capacity</th>
<th>Up to 10,000 CFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>500FC Flowrate (CFM)</td>
<td>Inches WG</td>
<td>Pascal (Pa)</td>
</tr>
<tr>
<td>10,000</td>
<td>10.2 x 10⁻³</td>
<td>2.55</td>
</tr>
</tbody>
</table>

**Electrical**
- Pressure Drop: See Figure 1
- Housing Material: 22 gauge powder-coated steel
- Weight: 18 lbs (8.16 kg.)
- Max Operation Temp.: 160° F (71° C)
- Rated Voltage: 110 to 250 VAC
- Frequency: 50/60 Hz
- Power Consumption: 52 Watts
- Current Draw: 0.230 Amps
- Internal Fuse: 500mA FST Glass 5mm x 20mm
- Field Electrical Connection: Nema 5-15 plug or 3 wire to Junction Box

**Ionization Tube**
- Material: Mono-Core Composite, Stainless Steel
- Max Quantity: Five (5)
- Size: F size = 22” (558mm)
- Estimated Tube Life: 2 Years or 17,600 Hours

**Approvals**
- ETL: [UL 1995:2015 Ed.5] [CSA C22.2#236:2015 Ed.5] [UL 867:2011 Ed.5 +R:07Aug2018] [UL SUBJECT 867A:2014 Ed.1]

**Figure 1**

**Figure 2**

**FIGURE 2**