WORLD RENOWNED RESEARCH AND DEVELOPMENT CAPABILITIES

Mooney is dedicated to HVAC research and development. All of our products are tested and proven at our Appalachian Test Laboratories located in Murphysboro, IL. These facilities give us the capability of testing our packaged ventilation systems to the harshest simulated operating environments. Our labs are third-party certified and ensure our HVAC solutions deliver comfort whenever and wherever it’s needed.

THIRD-PARTY CERTIFIED LABS

With our certified labs, customers can trust that our products meet today’s rigorous standards.

Hi Line Exposure - Capable of temperatures from -40°F to 300°F and relative humidity of 20%; this lab is used for testing packaged rooftop equipment like the Atherion.

Atherion 100: Located in Murphysboro, IL, and Atherion 50:

Test Facility - Capable of duplicating almost any location on Earth up to 100% of solar radiation, simulates a 30°F day, and generates temperatures of 35°F to 131°F and wind speeds up to 160 MPH.

Mooney’s Engineering Team Puts the Atherion Through Rigorous Climate Testing. This includes thermal and structural testing well beyond governing standards.

COMMERCIAL SOLUTIONS

STEP INSIDE FOR A BREATH OF FRESH AIR

Available in 6 to 60 additional box capacities

The Atherion® is the ideal solution for long-term, temperature-sensitive or high-risk facilities, regardless of your geographic location.

Whether you are in the humid (Everglades) area of the Southeastern United States, the dryer, million-dollar view of the West, or the hurricane-prone areas off of the upper Midwest and Northeast, the Atherion can be customized to meet your specific ventilation air requirements. And by including the advanced Energy Recovery Wheel, your system becomes a high-performance, 100% dedicated indoor unit, potentially saving you thousands in annual energy costs.
**CONSTRUCTION**
- Robust 21-8 Brass-Hot Construction
- 21-8 Stainless hot, all welded construction, brass head, brass shell.
- Strongest head ever designed and fabricated.
- Tested under pressure, strength and durability.

**External Condenser Assembly**
- Piping configurations
- Fully automatic with adjustable capacity control
- Optional expansion tank package available, rated 50 gpm specifications.

**Rolls and Rollers**
- Full-length, pari-matched access doors
- Easy to open access with built-in latches
- Internal and external polymer coating to reduce noise and ensure duty cycle performance.

**Standard Steel, Dual-Homed Fans**
- Pressure and temperature control.

**AIR-TO-FLUID MANAGEMENT**
- All-Weather Liquid Coolant System
- ANIME 6 in. 24 in. standard, 1/2 in.
- 3/8 in. All-Weather Coolant System
- All-Weather Coolant System with the following accessories available:
  - Shroud, filter, and expansion tank.

**FILTERING**
- Electrolysis/Filtering
- Pumps designed to operate in the 3 to 18 in.
- All necessary items are included in the 3 to 18 in.

**SUFFICIENCY & MAINTENANCE**
- All units are built to exceed the requirements of the remote user interface module without powering down the unit.

**REFRIGERATION CIRCUIT**
- Pressure and temperature control
- All units are built to exceed the requirements of the remote user interface module without powering down the unit.

**HEATING**
- Standard Gas Heater
- 20,000 Btu/hr heater, 100,000 Btu/hr heater, 200,000 Btu/hr heater, 300,000 Btu/hr heater

**ENERGY RECOVERY MODULE**
- Modular Control System
- Standard Automatic Setup for Energy Efficient Operation
- Modulating Hot Gas Heat
- Modulating Gas Heat
- Low Static Pressure for Higher Efficiency
- Optional Forced Air for Cooling
- All-Zone Control System

**ECONOMIC-realizing Efficiencies**
- improves efficiency by reducing the amount of energy required to maintain the desired temperature.
- Reduces operating costs by up to 50%.

**SAFETY & MAINTENANCE**
- All units are built to exceed the requirements of the remote user interface module without powering down the unit.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>Rated Capacity</td>
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<td>Refrigerant Type</td>
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<td>Compressor Type</td>
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<td>Energy Efficiency</td>
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<td>Cooling Capacity</td>
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<td>Heating Capacity</td>
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<td>50,000 Btu/hr</td>
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<tr>
<td>Power Consumption</td>
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<td>10 kW</td>
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<tr>
<td>Dimensions</td>
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<td>10' x 10' x 8'</td>
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</tbody>
</table>

**APPLICATIONS**
- The compact design makes it ideal for small spaces.
- Perfect for office buildings, retail stores, and other commercial settings.

**Safety Features**
- Overload protection
- Low voltage protection
- Automatic restart capability

**WARRANTY**
- 10-year limited warranty on parts and labor

**Accessories**
- Optional accessories include:
  - Remote control system
  - Expansion tank package

**Maintenance Tips**
- Regular maintenance is crucial to the longevity of the unit.
- Check the air filters regularly and replace them as needed.

<table>
<thead>
<tr>
<th>Vendor</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atherion Manufacturing Inc.</td>
<td>123 Main St, Anytown, USA</td>
<td>(123) 456-7890</td>
<td><a href="mailto:info@atherion.com">info@atherion.com</a></td>
</tr>
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