Hot Water/Steam Heated Drawing

WMI
(Wind Stopping 14)
Series

1. 3/4" 
2. 6" 
3. 18" 
4. 2 1/2" 
5. 2 1/2" 
6. 11" 
7. 22" 
8. 22" 
9. 22" 

Top View

- Return Fitting (Hot Water)
- Supply Fitting (Steam)
- Return Fitting (Steam)
- Drain

Front View

- HW - 7 1/8" Steam - 12 1/8" MAX
- HW - 7 1/8" Steam - 12 1/8" MAX

Notes:
1. This product is designed to meet the National Electric Code (NEC) and is CSA Listed.
2. (4) 5/8" mounting holes provided on for overhead mounting provided, (2) on each end.
3. All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal double protected with baked on Titanium Silver color, rust preventative electrostatic polyurethane powder coating.
4. Hot Water application shown. For Steam, return fitting is at the bottom of manifold and supply is at center of manifold. (2" MPT Typical)
5. Cabinet is to be mounted from overhead and has sufficient strength for suspension from both ends without intermediate support.
6. Unit is to be installed such that air flow is unobstructed. Unit has a 4.5" air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
7. Units are direct drive. One external top mounted 2"x4" J-box provided above each motor. VFD optional.
8. Circuit protection as per NEC by others.
9. Optional motor control panel and door limit switch are field installed and/or wired by others. The door limit switch is to be mounted such that the air curtain turns on as door begins to open. To prevent unit damage, the air curtain must be installed such that the bottom of the air curtain is not below the door header.

Recommended Accessories

- Control Panels with Remote T-stat
- Door Limit Switches

* Use corresponding letters in "Coll Data" and "Electrical Data" columns to complete the model numbers.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>NOZZLE LENGTH A (in)</th>
<th>OVERALL LENGTH B (in)</th>
<th>MOUNTING CENTER C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMI96-2**-TS</td>
<td>96</td>
<td>99</td>
<td>97 1/2</td>
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<tr>
<td>WMI120-2**-TS</td>
<td>120</td>
<td>123</td>
<td>121 1/2</td>
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<td>WMI144-2**-TS</td>
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<td>147</td>
<td>145 1/2</td>
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<td>WMI168-3**-TS</td>
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<td>171</td>
<td>169 1/2</td>
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<tr>
<td>WMI192-4**-TS</td>
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<td>195</td>
<td>193 1/2</td>
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</table>
### WMI (Wind Stopping) Series

**Hot Water/Steam Heated**  
Model Lengths 96” – 192”

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**Hot Water/Steam Heated Data Sheet**

### Applications: Environmental Separation: Max Height 16’ / Insect Control: Max Height 14’

<table>
<thead>
<tr>
<th></th>
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<td>22</td>
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<td>Two 3</td>
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<td>7550</td>
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<td>1160</td>
<td>39350</td>
<td>4740</td>
<td>19644</td>
<td>92</td>
<td>8750</td>
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</tbody>
</table>

* - Use corresponding letters in “Coil Data” then “Electrical Data” columns to complete the model numbers.

**Features:**
- Air Curtain
  - 2 to 3 HP Continuous Duty Motors (TEAO)
- ETL Certified to conform to UL 1995 (US) and CSA 22.2 (Canada) Standards
- Cabinet with sufficient strength for fastening from overhead on both ends without intermediate support. Top mounting holes provided (4) 5/8”
- Adjustable air directional vanes with 40° sweep front to back
- Standard color is Titanium Silver
- Rust preventative electrostatic polyurethane powder coating
- All units are shipped fully assembled ready for installation
- 12 month parts warranty
- Freight Not Included (FOB Factory)
- Proudly Made in the USA

**Hot Water and Steam Coils**
- Coil casings shall not be less than 16 gauge galvanized steel with tube holes formed with extruded collars.
- Fins are die formed .006” aluminum (1 row – 10 FPI, 2 row – 8 FPI)
- Coils tubes constructed of heavy wall, 5/8” OD seamless copper
  - (Steam - .035” & Hot Water - .025”)
- Coil tubes arranged in a staggered pattern and mechanically expanded into fins to ensure a uniform pressure bond
- Manifolds shall be of heavy seamless copper construction
- All joints shall be brazed with high temperature silver brazing alloy (Steam – 7% & Hot Water – 3%), max steam operating pressure: 30 PSI
- Fittings shall be of wrought copper or similar construction such that the entire fluid circuit shall be of compatible nonferrous materials.
- Manifold shall be fitted with 1/4” vent or drain fittings
- Supply fitting is on the right side of coil. Return fitting is on the left side

**Options and Accessories: (see Accessories Brochure)**
- Motor Control Panels with remote mounted t’stat
- Steam distribution, Cupro Nickel and CRN coils
- Rust resistant epoxy coated or SS coils
- Custom housing and transition colors and finishes (304SS, 316SS, Aluminum)

**Sound Levels: (measured at 10’ in an open field)**
- 1 Motor Unit = 70 dBA, 2 Motor Unit = 73 dBA, 3 & 4 Motor Unit = 75 dBA

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**Electrical Data**

<table>
<thead>
<tr>
<th>Coil Code</th>
<th>Hot Water</th>
<th>Steam</th>
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<tbody>
<tr>
<td>GPM</td>
<td>MBH</td>
<td>Temp Rise (°F)</td>
</tr>
<tr>
<td>X</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>WMI96-2**-TS</td>
<td>2 Row 12</td>
<td>299 35°C</td>
</tr>
<tr>
<td>WMI120-2**-TS</td>
<td>2 Row 13</td>
<td>361 35°C</td>
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<tr>
<td>WMI144-2**-TS</td>
<td>2 Row 20</td>
<td>502 35°C</td>
</tr>
<tr>
<td>WMI168-3**-TS</td>
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<td>560 35°C</td>
</tr>
<tr>
<td>WMI192-4**-TS</td>
<td>2 Row 19</td>
<td>590 35°C</td>
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</tbody>
</table>

**EXAMPLE**

WMI 144 - 2 X H - TS

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**NOTE:** MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.