Indirect Fired Gas Heated Drawing

WMI (Wind Stopping 14) Series

TOP VIEW

Front View

Electrical Control Panel

SIDE VIEW

Removable Door for Motor Access

Notes:
1. The Air Curtains are CSA listed and the Furnaces are ETL verified to be 83% efficient with 3/8" overhead mounting hardware for overhead mounting.
2. 5/8" mounting holes (6) provided, (2) on each end of air curtain and (1) on each end of transition assembly.
3. Cabinet has sufficient strength for fastening from overhead on both ends without intermediate support. Furnace must be mounted at least 2" away from the transition. Transition pieces are provided with pilot holes for easy field assembly and hardware is included. Units larger than 8' utilize multiple transitions.
4. One watertight electrical junction box per motor mounted on top center of each motor.
5. Unit is to be installed such that air flow is unobstructed. Air discharge nozzle containing adjustable air directional vanes with 40" sweep from front to back.
6. Furnaces with impellers have positive pressure. 20 gauge aluminized tubular heat exchanger with in-shot burner technology, power vented exhaust (horizontal or vertical), single stage gas valve, direct spark ignition and certified for Category I and III venting.
7. Circuit protection as per NEC by others.
8. 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 off 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.
WMI (Wind Stopping 14) Series
Indirect Fired Gas Heated
Model Lengths 96” – 192”

Indirect Fired Gas Heated Data Sheet

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nozzle Length (in)</th>
<th>Length (in)</th>
<th>Depth (in)</th>
<th>Height (in)</th>
<th>Motor (hp)</th>
<th>Total Weight (lbs)</th>
<th>Furnace Weight (lbs)</th>
<th>Max Velocity (fpm)</th>
<th>Max Volume (cfm)</th>
<th>Avg Velocity (fpm)</th>
<th>Volume (cfm)</th>
<th>Uniformity (%)</th>
<th>Power Rating (watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMI168-2I*-TS</td>
<td>95</td>
<td>99</td>
<td>78 1/2</td>
<td>33</td>
<td>Two 2</td>
<td>944</td>
<td>1 @ 335</td>
<td>5600</td>
<td>15000</td>
<td>3614</td>
<td>7942</td>
<td>92</td>
<td>4260</td>
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<tr>
<td>WMI120-3I*-TS</td>
<td>120</td>
<td>123</td>
<td>78 1/2</td>
<td>33</td>
<td>Two 3</td>
<td>1146</td>
<td>2 @ 211 ea</td>
<td>5200</td>
<td>9000</td>
<td>3205</td>
<td>9474</td>
<td>90</td>
<td>5600</td>
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<tr>
<td>WMI144-3I*-TS</td>
<td>144</td>
<td>147</td>
<td>78 1/2</td>
<td>33</td>
<td>Two 3</td>
<td>1498</td>
<td>2 @ 335 ea</td>
<td>5800</td>
<td>26000</td>
<td>3009</td>
<td>13422</td>
<td>88</td>
<td>6390</td>
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<tr>
<td>WMI168-3I*-TS</td>
<td>168</td>
<td>171</td>
<td>78 1/2</td>
<td>33</td>
<td>Three 3</td>
<td>1702</td>
<td>2 @ 335 ea</td>
<td>4800</td>
<td>25725</td>
<td>2920</td>
<td>15060</td>
<td>84</td>
<td>8070</td>
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<tr>
<td>WMI192-4I*-TS</td>
<td>192</td>
<td>195</td>
<td>78 1/2</td>
<td>33</td>
<td>Four 2</td>
<td>2122</td>
<td>3 @ 307 ea</td>
<td>5600</td>
<td>33000</td>
<td>2614</td>
<td>19884</td>
<td>92</td>
<td>8520</td>
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* Use corresponding letters in "Electrical Data" columns to complete the model. ** Total Weight includes air curtain, transition and furnace weights.

Features:
- Air Curtain and Transition
  - 2 to 3 HP continuous duty industrial motors
  - Direct drive unit for heavy duty industrial projects
  - Air curtain is CSA Certified to conform to UL 507 (US) and CSA 22.2 (Canada) Standards
  - Top mounting holes provided (5/8")
  - Cabinet has sufficient strength for fastening from overhead on both ends without intermediate support
  - Adjustable air directional vanes with 40° sweep front to back
  - Transition is shipped fully assembled and fastened to unit (overhead support required)
  - Standard color is Titanium Silver
  - Rust preventative electrostatic polyurethane powder coating
  - 1 Year parts warranty
  - Freight Not Included (FOB Factory)
  - Proudly Made in the USA

Indirect Fired Gas Furnaces
- ETL verified to be 83% efficient
- In-shot burner technology
- Aluminized tubular heat exchanger (20 gauge)
- Positive pressure 120V impellers (separate 120V, 1Ø power req’d)
- Power vented exhaust
- Single stage gas valve
- Standard direct spark ignition
- Certified for Category I and III Venting
- Natural gas
- Factory test fired
- Overhead mounting hardware provided (2 per furnace)

Options and Accessories: (see Accessories Brochure)
- Motor Control Panels with remote mounted t’stat
- 409 and 321 stainless steel heat exchangers
- Separated combustion
- Two stage and modulating gas valves
- LP gas
- Custom housing and transition colors and finishes (304SS, 316SS, Aluminum)

Sound Levels: (measured at 10’ in an open field)
1 Motor Unit = 65 dBA, 2 Motor Unit = 66 dBA, 3 Motor Unit = 67 dBA & 4 Motor Unit = 68dBA

Indirect Fired Gas Data

<table>
<thead>
<tr>
<th>Model Number</th>
<th># of Furnaces</th>
<th>Input MBH per Furnace</th>
<th>Total Output MBH</th>
<th>Temp Rise (°F)</th>
<th>Flue Size</th>
<th>Natural Gas (NPT CONN)</th>
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</thead>
<tbody>
<tr>
<td>WMI168-2I*-TS</td>
<td>1</td>
<td>400</td>
<td>332</td>
<td>39</td>
<td>6” Rnd</td>
<td>3/4”</td>
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<td>WMI120-3I*-TS</td>
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<td>250</td>
<td>415</td>
<td>41</td>
<td>5” Rnd</td>
<td>1/2”</td>
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<tr>
<td>WMI120-4I*-TS</td>
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<td>400</td>
<td>664</td>
<td>46</td>
<td>6” Rnd</td>
<td>3/4”</td>
</tr>
<tr>
<td>WMI168-3I*-TS</td>
<td>2</td>
<td>400</td>
<td>664</td>
<td>46</td>
<td>6” Rnd</td>
<td>3/4”</td>
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<tr>
<td>WMI192-4I*-TS</td>
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<td>300</td>
<td>747</td>
<td>44</td>
<td>6” Rnd</td>
<td>3/4”</td>
</tr>
</tbody>
</table>

Note: Gas pressure required min/max in ("wc") (kPa): Natural Gas (3.5/14)(0.9/3.5) and LP (10/14)(2.5/3.5)

Note: For Ampacity Multiply FLA X 1.25

Lab Data

<table>
<thead>
<tr>
<th>Electrical Data (FLA)</th>
<th>Unit Voltage (Voltage Code)</th>
<th>Electrical Data (FLA) Furnace</th>
</tr>
</thead>
<tbody>
<tr>
<td>208/230v/3Ø (G)</td>
<td>460v/3Ø (H)</td>
<td>575v/3Ø (I)</td>
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<tr>
<td>115V</td>
<td>14.4/14.0</td>
<td>7.0</td>
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<tr>
<td></td>
<td>14.0/14.0</td>
<td>4.6</td>
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<tr>
<td></td>
<td>42.6/21.2</td>
<td>10.6</td>
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<tr>
<td></td>
<td>42.4/21.2</td>
<td>10.6</td>
</tr>
<tr>
<td></td>
<td>28.8/21.0</td>
<td>14.0</td>
</tr>
</tbody>
</table>

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