Unheated Drawing

PH12 (Phantom 12) Series

For tandem mounted units, center support required. The (2) center mounting holes are centerline of unit and 7 5/8" from front and rear of unit.

Notes:
1. This product is designed to meet the National Electric Code (NEC) and is ETL Listed for the US and Canada, AMCA Certified and bear the CE mark.
2. (4) 3/8" threaded rod required for overhead installation.
3. Cabinet has sufficient strength for fastening to wall on both ends without intermediate support.
4. Four(4) 1" x 1" pearl white trim pieces included to match air curtains and ceilings. (Does not increase unit size)
5. Tandem mounted units longer than 72" require center support.
6. Cleanable polyester filters included as standard. Optional aluminum or throwaway pleated filters available.
7. Unit is to be installed such that air flow is unobstructed. Air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
8. Circuit protection as per NEC by others.
9. Optional motor control panel, door limit switch and mounting brackets 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 mounting brackets must be installed such that the bottom of the air curtain is not below the door header.

Model Numbers:

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>NOZZLE WIDTH A (in)</th>
<th>OVERALL LENGTH B (in)</th>
<th>JUNCTION BOX LOCATION C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH1242-1U-PW</td>
<td>42</td>
<td>42 1/8</td>
<td>21&quot;</td>
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<tr>
<td>PH1248-1U-PW</td>
<td>48</td>
<td>48 1/8</td>
<td>24&quot;</td>
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<tr>
<td>PH1260-1U-PW</td>
<td>80</td>
<td>60 1/8</td>
<td>30&quot;</td>
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<tr>
<td>PH1272-2U-PW</td>
<td>72</td>
<td>72 1/8</td>
<td>36&quot;</td>
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<tr>
<td>PH1284-2U-PW</td>
<td>84</td>
<td>84 1/4</td>
<td>42&quot;</td>
</tr>
<tr>
<td>PH1296-2U-PW</td>
<td>96</td>
<td>96 1/4</td>
<td>44&quot;</td>
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<tr>
<td>PH12120-2U-PW</td>
<td>120</td>
<td>120 1/4</td>
<td>50&quot;</td>
</tr>
<tr>
<td>PH12144-4U-PW</td>
<td>144</td>
<td>144 1/4</td>
<td>56&quot;</td>
</tr>
</tbody>
</table>

** - Measurements from edge of each unit, when tandem mounted.
Unheated Data Sheet

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

<table>
<thead>
<tr>
<th>PH12 (Phantom 12) Series</th>
<th>Mechanical Data</th>
<th>AMCA Certified Lab Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>Nozzle Length (in)</td>
<td>Length (in)</td>
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<tr>
<td>PH1242-1U*-PW</td>
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<td>PH1250-1U*-PW</td>
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<td>PH1272-2U*-PW</td>
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<td>PH1284-2U*-PW</td>
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<tr>
<td>PH12144-4U*-PW</td>
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<td>144</td>
</tr>
</tbody>
</table>

Note: Data above for 1725 RPM at 60 Hz, 50 Hz is 1425 RPM with a 17% reduction in the performance data.

### Features:
- 1 HP Continuous Duty TEAO Motors
- Recessed mounted in ceiling for invisible coverage
- AMCA Certified to AMCA 211 Standards (see table above for models available)
- ETL Certified to conform to UL 507 (US) and CSA 22.2 (Canada) Standards
- Utilized in premium design concepts
- Durable aluminum construction
- Cabinet has sufficient strength for fastening to wall on both ends without intermediate support. (Tandem mounted units longer than 72” require center support)
- Cleanable polyester filters included as standard
- Adjustable air directional vanes with 40° sweep front to back
- Standard color is Pearl White
- Rust preventative electrostatic polyurethane powder coating
- 5 year parts warranty
- Freight Included (FOB Continental USA)
- Proudly Made in the USA

### Options and Accessories: (see Accessories Brochure)
- Motor Control Panels
- Multi-speed motors and controls
- Aluminum or throwaway pleated filters
- Custom colors and finishes (304SS, 316SS)

### 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

### Electrical Data (FLA)
- Unit Voltage (Voltage Code)
  - 115v/1Ø (A)
  - 208-230v/1Ø (D)
  - 208-230v/3Ø (G)
  - 460v/3Ø (H)
  - 575v/3Ø (I)

**EXAMPLE:

PH12 72 - 2 U H - PW**

MARS Air Systems, LLC certifies that the Air Curtains shown on this data sheet are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Note: Models PH1260-1U-1* and PH12120-2 are not AMCA Certified. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

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.

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