Electric Heated 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.

- Use corresponding letters in "Voltage Code" then "Wattage Code" columns to complete the model numbers.

Notes:
1. This product is designed to meet the National Electric Code (NEC) and is ETL listed for the US and Canada (UL 2021 and CSA 22.2).
2. (4) 3/8" threaded rod required for overhead installation.
3. All units have a self contained one piece cabinet, fire retardant with brushed aluminum housing. The exposed bottom surface is protected with baked on Pearl White color, rust preventative electrostatic polyurethane powder coating.
4. Four (4) pearl white trim pieces included to match air curtains and ceilings. (Does not increase unit size)
5. Cleanable polyester filters included as standard. Optional aluminum or throwaway pleated filters available.
6. Cabinet has sufficient strength for fastening to wall on both ends without intermediate support. Tandem mounted units longer than 72" require center support.
7. Control panel is pre-wired and pre-mounted inside the cabinet. Optional remote mounted available.
8. Unit is to be installed such that air flow is unobstructed. Unit has a 3" air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
9. Wall mounted 24 volt thermostat with remote "heat/off/fan" switch is shipped loose and field installed. Terminal block provided inside control panel.
10. Circuit protection as per NEC by others.
11. Optional remote 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.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>NOZZLE WIDTH A (in)</th>
<th>OVERALL LENGTH B (in)</th>
<th>MOUNTING CENTER C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH1248-1E**-PW</td>
<td>48</td>
<td>48 1/8</td>
<td>47 1/8</td>
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<tr>
<td>PH1260-1E**-PW</td>
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<td>71 1/8</td>
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<td>PH1284-2E**-PW</td>
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<td>84 1/4</td>
<td>83 1/4</td>
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</table>
**Electric 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>Weight (lbs)</th>
<th>Max Core Velocity at Nozzle (fpm)</th>
<th>Avg Velocity (fpm)</th>
<th>Volume (cfm)</th>
<th>Uniformity (%)</th>
<th>Power Rating (watts)</th>
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<tbody>
<tr>
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<td>48</td>
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<tr>
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<td>72</td>
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<td>17</td>
<td>Two</td>
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<td>6300</td>
<td>2364</td>
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<td>93</td>
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<td>3070</td>
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</table>

* - Use corresponding letters in "Electrical Data" & "Heater Wattage Data" columns to complete the model numbers.

**Features:**

- **Air Curtain**
  - 1 HP Continuous Duty TEAO Motors
  - Recessed mounted in ceiling for invisible coverage
  - ETL Certified to conform to UL 2021 (US) and CSA 22.2 (Canada) Standards
  - (4) 3/8” top mounting holes provided
  - 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
  - 18 month parts warranty
  - Freight Included (FOB Continental USA)
  - Proudly Made in the USA

- **Electric Heater Coil and Wiring**
  - Coils are an open type for rapid temperature rise to be located in the air curtain’s intake directly in the air stream
  - Manual reset thermal overload protection provided
  - Controls internally mounted, prewired ready for power connection and accessible through the bottom intake or top access panels
  - A heat/off/fan switch is unit mounted at the bottom and the control voltage is 24 volts
  - A wall mounted 24 volt thermostat is included (field wired and installed by others)

**Options and Accessories: (see Accessories Brochure)**

- SimpleLink Controller
  - For 2 speed, secondary 115V or 208/230V, 1Ph power required for 460V & 575V
  - Remote mounted control panel
  - Adjustable time delay (1 sec to 17 min)
  - Remote mounted fused or non-fused disconnects
  - Hi-Low Heat
  - Heat on Demand
  - Master + Slave Control Kit
  - 2 speed controls (Separate 115V or 208/230V, 1Ph power required for 460 & 575V)
  - Wall and Overhead Bracket
  - 1/4” and 1” Aluminum Mesh Filters
  - Custom colors and finishes (304SS, 316SS)

**Sound Levels: (measured at 10” in an open field)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sound Level (dBA)</th>
</tr>
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<tbody>
<tr>
<td>PH12 72</td>
<td>72</td>
</tr>
<tr>
<td>PH12 96</td>
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<td>PH12 120</td>
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<td>PH12 144</td>
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</table>

**Specifications:**

**PH12 (Phantom 12) Series**

Electric Heated

Model Lengths 36” – 144”

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

**Examples:**

- **Motors:** 5A @ 208v/3Ø, 1.3A @ 575v/3Ø.
- **Motor volts per motor:** 115v & 460v/3Ø.

* - Use corresponding letters in "Voltage Code and Wattage" to complete the model numbers.

**For Appliance Multiplying FLA X 1.25**

- **Motor amps per motor:** 5A & 460/3Ø.
- **For Ampacity Multiplying FLA X 1.25** (Voltage Code)

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