Electric Heated Drawing

STD2
(Standard 2 Series)

Removable Panel

Top Mounting Holes (4)

Knockouts

TOP VIEW

Front View

TOP VIEW

17 3/8"

15"

4 3/8"

10 5/8"

Remote Thermostat

Knock Out

SIDE VIEW

Recommended Accessories

Door Limit Switches

Model Number | OVERALL LENGTH A (in) | KNOCKOUT LOCATION B (in) | REAR MOUNTING CENTER C (in)
--- | --- | --- | ---
STD236-1E**-OB | 36 | 16 | 35 1/4
STD242-1E**-OB | 42 | 19 | 41 1/4
STD248-1E**-OB | 48 | 22 | 47 1/4
STD260-2E**-OB | 60 | 13 | 59 1/4
STD272-2E**-OB | 72 | 16 | 71 1/4
STD284-2E**-OB | 84 | 19 | 83 1/4
STD296-2E**-OB | 96 | 22 | 95 1/4
STD2108-3E**-OB | 108 | 52 | 107 1/4
STD2120-3E**-OB | 120 | 58 | 119 1/4
STD2144-3E**-OB | 144 | 70 | 143 1/4

* 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) 7/16" mounting holes provided on overhead mounting provided, (2) on each end.
3. (2) 1/2" key hole slots and (2) 7/16" mounting holes are provided on each end of the back side for wall mounting.
4. All units have a self-contained one-piece cabinet, fire retardant and corrosion proof paint lock metal double protected with baked on Obsidian Black color, rust preventative electrostatic polyurethane powder coating.
5. Cabinet is to be mounted from overhead or fastened to a wall and has sufficient strength for suspension from both ends without intermediate support.
6. Control panel is pre-wired and pre-mounted inside the cabinet.
7. 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.
8. Wall mounted 24 volt thermostat with remote "heat/off/fan" switch is shipped loose and field installed. Terminal block provided inside control panel.
9. Circuit protection as per NEC by others.
10. 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.
Electric Heated Data Sheet

Applications: Environmental Separation: Max Height 12’ / Insect Control: Max Height 10’

### Features:
- Air Curtain
  - 1/2 HP Continuous Duty TEAO Motors
- ETL Certified to conform to UL 2021 (US) and CSA 22.2 (Canadian) Standards
- 1/4” Top and wall mounting holes provided
- Cabinet has sufficient strength for fastening to wall on both ends without intermediate support
- Adjustable air directional vanes with 40” sweep front to back
- Standard color is Obsidian Black
- Rust preventative electrostatic polyurethane powder coating
- 18 months 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 intake or top access panels
- 3/4” knockouts are provided on the top and ends
- A heat/vent/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 Contoller
  - For 2 speed, secondary 115V or 208/230V, 1Ph power required for 460V & 575V
  - Adjustable time delay (1 sec to 17 min)
  - Remote mounted fused or non-fused disconnects
- Hi-Lo 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
- Custom colors and finishes (304SS, 316SS)
- 1/4” Aluminum Mesh Filters (Not applicable for units SimpleLinkz & with 16Kw/motor, 208V & 230V, 3PH)
- Vertical mounting kit (Not applicable for units with 16Kw/motor, 208V & 230V, 3PH)
- BMS Monitor and Control
  - Dry contact provided in panel for monitoring Motor and Heat
  - 24VAC signal provided from panel for controlling Motor and Heat
- CSA and UL Listed
- E = ELECTRIC HEATED
- Wattage Code” to complete the model numbers.

### Electrical Data

<table>
<thead>
<tr>
<th>Three Phase Electrical Data (FLA)</th>
<th>Unit Voltage (Voltage Code)</th>
<th>Heater Kilowatts (Wattage Code)</th>
<th>Temp Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>208v/3Ø (E)</td>
<td>208v/3Ø (B)</td>
<td>230v/3Ø (C)</td>
<td>460v/3Ø (F)</td>
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<tr>
<td></td>
<td>(E)</td>
<td>(F)</td>
<td>(G)</td>
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<tr>
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<td>(E)</td>
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<td>(G)</td>
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### Mechanical Data

<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 (fps)</th>
<th>Avg Velocity (fps)</th>
<th>Volume (cfm)</th>
<th>Uniformity (%)</th>
<th>Power Rating (watts)</th>
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<tbody>
<tr>
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<td>28</td>
<td>12</td>
<td>20</td>
<td>12</td>
<td>1/2</td>
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### Notes:
- Data above for 1125 RPM at 60 Hz, 50 Hz is 1425 RPM with a 1% reduction in the performance data.
- Use corresponding letters in “Voltage Code” and Wattage Code” to complete the model numbers.
- Motor amps per motor: 5.1A @ 115v; 2.5A @ 208/230v; 1.6A @ 460v/3Ø; 0.7A @ 24VAC
- For Amperage Multiply FLA X 1.25
- Motor amps per motor: 5.1A @ 115v; 2.5A @ 208/230v; 1.6A @ 460v/3Ø; 0.7A @ 24VAC

**Sound Level** (measured at 10” in an open field)
1 Motor & 2 Motor Unit = 52 dBA, 3 Motor & 4 Motor Unit = 53 dBA

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.