For Mounting Heights To 10’ (environmental separation) and 8’ (insect control)

STANDARD CONSTRUCTION
- 14 1/2” high x 28 1/4” deep
- 1/2 hp EC motor(s)
- Intelliswitch™ digital controller - ten speeds
- Berner AIR™: Wireless Controller and App
- Cabinet: Brushed Stainless Steel, Grade 304 or better
- Bottom Panel: Clear satin anodized aluminum
  (Optional: White Aluminum, Custom Color or Stainless)
- Wall or Top Mounting
- High efficiency, low noise, articulating Pro-V Nozzle
- Filter (washable)
- Optional: Rear cover for top mounting to conceal fasteners

Sound level measured 10' (3m) from the unit in free field:
1 motor: Min./Max. Speed: 52/55 dBA
2 motors: Min./Max. Speed: 55/58 dBA
3 motors: Min./Max. Speed: 57/60 dBA
4 motors: Min./Max. Speed: 58/61 dBA

ASHRAE 90.1-2019 vestibule exception requires, “a jet velocity of not less than 6.6 feet per second (2.0 m/s; 400 fpm) at 6.0 in (15 cm) above the floor.”

600/3/60 power supply includes extended cabinet, See drawings AE10-E-AMB-TR1 & AE10-E-AMB-TR2.

600/3/60 power supply includes extended cabinet, See drawings AE10-E-AMB-TR1 & AE10-E-AMB-TR2.

Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 vestibule exception validated by AMCA certification. Refer to Velocity Projection Chart below for information.

Berner International certifies that the air curtains shown herein 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. Rated data shown is for base (unheated) units. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

MODEL NUMBER CONFIGURATION
AE10-E-1 036 A A-EC-WCA -TB-SA

600/3/60 power supply includes extended cabinet, See drawings AE10-E-AMB-TR1 & AE10-E-AMB-TR2.

Sound level measured 10’ (3m) from the unit in free field:
1 motor: Min./Max. Speed: 52/55 dBA
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600/3/60 power supply includes extended cabinet, See drawings AE10-E-AMB-TR1 & AE10-E-AMB-TR2.

Sound level measured 10’ (3m) from the unit in free field:
### Architectural Elite 10

**Ambient (Unheated) Air Curtain Electrical Performance Sheet**

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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<tbody>
<tr>
<td><strong>120/1/60</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>208/1/60</strong></td>
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<td></td>
<td><strong>240/1/60</strong></td>
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<tr>
<td><strong>(voltage code A)</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>(voltage code B)</strong></td>
<td></td>
<td></td>
<td><strong>(voltage code J)</strong></td>
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<tr>
<td><strong>MOTOR AMP DRAW = 6.6 each</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>MOTOR AMP DRAW = 4.1 each</strong></td>
<td></td>
<td></td>
<td><strong>MOTOR AMP DRAW = 4.1 each</strong></td>
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<tr>
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<td>AE10-E-1048A</td>
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<td></td>
<td></td>
<td>AE10-E-2060A</td>
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</tr>
<tr>
<td>AE10-E-2072A</td>
<td></td>
<td></td>
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<td>AE10-E-2096A</td>
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<td></td>
<td></td>
<td>AE10-E-3096A</td>
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<tr>
<td>AE10-E-3108A</td>
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<td>AE10-E-3120A</td>
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<td>AE10-E-3132A</td>
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<tr>
<td>AE10-E-3144A</td>
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<td></td>
<td></td>
<td>AE10-E-4144A</td>
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<tr>
<td><strong>AE10-E-1036A</strong></td>
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<td><strong>15</strong></td>
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<td><strong>13.2</strong></td>
<td><strong>20</strong></td>
<td><strong>AE10-E-2072A</strong></td>
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<td><strong>8.2</strong></td>
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<td><strong>12.3</strong></td>
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<td><strong>26.4</strong></td>
<td><strong>35</strong></td>
<td><strong>AE10-E-4144A</strong></td>
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<td></td>
<td><strong>16.4</strong></td>
<td><strong>25</strong></td>
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</tr>
</tbody>
</table>

- **600/3/60** (voltage code A-XI)
  - 
  - Motor Amp Draw = 1.7 each
  - Xfmr 600/120 1 kVA per MTR @ 1.7 each
  - Motor Amp Draw = 6.6 each @ 120V

Berner reserves the right to alter specifications without prior notice.

**www.berner.com  Berner International  800.245-4455**

111 Progress Ave. / New Castle / PA / 16101 / USA  

August, 2020  

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AE10-E AMBIENT (UNHEATED) SYSTEM: 120 - 277V & 380V

TOP VIEW

- UNIT WIDTH: "B" (Mounting Width: "D")
- WALL MOUNTING BRACKET
- 1/4-20 THREADED INSERT FOR TOP MOUNTING (4 TYP)
- 0.75 (1.91) (TYP)
- WALL MOUNTING BRACKET

FRONT VIEW

- INTELLISWITCH
- COVER SCREWS (TYP)
- PERFORATED INTAKE SCREENS (W/ALUMINUM RE-CLEANABLE FILTERS)
- WALL MOUNTING BRACKET

BOTTOM COVER WIDTH: "C"

- BOTTOM COVER OVERHANG: (TYP)
- REMOVABLE BOTTOM COVER

BOTTOM VIEW

- ADJUSTABLE NOZZLE VAINES

NOZZLE WIDTH: "A"

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLE WIDTH &quot;A&quot;</th>
<th>UNIT WIDTH &quot;B&quot;</th>
<th>BOTTOM COVER WIDTH &quot;C&quot;</th>
<th>MOUNTING WIDTH &quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE10-E-1024A</td>
<td>34.00 (86.36)</td>
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<td>54.85 (139.71)</td>
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<td>191.00 (485.56)</td>
<td>191.85 (488.50)</td>
<td>188.50 (478.50)</td>
</tr>
</tbody>
</table>

NOTES:

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTURED WHEN DEFLECTED 20° TO EITHER SIDE OF "A"
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ADEQUACY OF SUPPORTING STRUCTURE IS TO BE ASSESS BY A PROFESSIONAL STRUCTURAL ENGINEER.
- WALL MOUNTING RAIL TO UNIT HARDWARE INCLUDED, WALL MOUNTING BRACKET HARDWARE BY OTHERS.
- THE LAST CHARACTER IN THE MODEL NUMBER - "A" DESIGNATES AMBIENT (UNHEATED) UNIT.
- DIMENSIONS IN INCHES [CENTIMETERS].

PROJECT:
LOCATION:
ARCHITECT:
ENGINEER:
DRAWING NO.: AE10-C-AMB
DATE: 03/15/2020
REPLACES: AE10-C-22020
DRAWN BY: S. Bie

BERNER INTERNATIONAL CORP.
1300 West Algonquin Road, McHenry, IL 60050
1-800-453-BERNER - FAX 1-877-337-3817 - www.bernernozzles.com

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AE10-E AMBIENT [UNHEATED] SYSTEM: 600V

TOP VIEW
- Adjustable for mounting
- Wall mounting bracket
- Unit width: "B"
- Mounting width: "D"
- Power supply - (1) standard
- Wiring compartment cover (typ.)
- Disconnect - (1) based on number of circuits (optional)
- Perforated intake screens (Aluminum re-cleanable filters)
- Inlet switch
- Cover screws (typ.)

END VIEW
- Unit & wall mount rail
- 0.43 (1.09) wall mounting rail depth
- 0.64 (1.63) unit depth
- Wall mounting bracket
- Rear decorative cover replaces wall bracket (optional)
- 0.43 (1.09)
- 1.00 (25.4)
- 14.50 (36.83)

BOTTOM VIEW
- Bottom cover width: "C"
- Removable bottom cover

NOTES:
1. Air curtain must be installed 3G air stream is not obstructed when deflected 20° to either side of 67.
2. Electrical connections to be flexible.
3. Field verify dimensions.
4. Anchors to supporting structure by others.
5. Adequacy of supporting structure is to be verified by a professional structural engineer.
6. Wall mounting rail to unit hardware included, Wall mounting bracket hardware by others.
7. The last character in the model number - "A" designates ambient [unheated] unit.
8. Dimensions in inches [centimeters].

NO AIR FLOW AREA HOUSES TRANSFORMER, CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING

PROJECT
LOCATION
ARCHITECT
ENGINEER
ORD NO: AE10-E-AH1030
TITLE: AE10-E AMBIENT CURTAIN
DATE: 1/26/2020
BY: B. Rie
REPLACES: AE10-E-AH1030
BERNER INTERNATIONAL CORP.
NEW HAVEN, CT