For Door Heights To 8’ (environmental separation)

**STANDARD CONSTRUCTION**
- 11” high x 24” deep
- 1/2 hp three speed motor(s)
- Factory provided remote fan speed switch
- White powder coated exterior
  (Optional: Custom Color)
- Top Mounting (Wall optional)
- High efficiency, low noise Pro-V Nozzle
- Optional: Wall mounting plate
- Optional: Decorative adaptor

---

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Nozzle Width (in)</th>
<th>Max Vel. at Nozzle (fpm)</th>
<th>Avg. Outlet Vel. (fpm)</th>
<th>Air Volume (cfm)</th>
<th>Outlet Vel. Uniformity</th>
<th>Power Rating (kW)</th>
<th>Motor(s) @ hp</th>
<th>Net Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC08-1036A</td>
<td>36.50</td>
<td>2,000</td>
<td>1,680</td>
<td>1,155</td>
<td>79%</td>
<td>0.34</td>
<td>1 @ ½</td>
<td>111</td>
</tr>
<tr>
<td>AEC08-1042A</td>
<td>42.50</td>
<td>2,000</td>
<td>1,557</td>
<td>1,249</td>
<td>71%</td>
<td>0.37</td>
<td>1 @ ½</td>
<td>135</td>
</tr>
<tr>
<td>AEC08-1048A</td>
<td>48.50</td>
<td>2,000</td>
<td>1,838</td>
<td>1,685</td>
<td>78%</td>
<td>0.49</td>
<td>1 @ ½</td>
<td>158</td>
</tr>
<tr>
<td>AEC08-1060A</td>
<td>59.50</td>
<td>2,000</td>
<td>1,697</td>
<td>1,912</td>
<td>71%</td>
<td>0.56</td>
<td>1 @ ½</td>
<td>185</td>
</tr>
</tbody>
</table>

**NOTE:** Operation at 50 Hz will generate approximately a 17% reduction in air performance.

See sheet EP-230 for amp draws/total load requirements.

---

**MODEL NUMBER CONFIGURATION**

**AEC08-1 036 A A-CC**

- Series AEC08
- # of Motors 1
- Opening Width 036” - 60”
- Heat Ambient
- Voltage A=120/1/60
  B=208/1/60
  J=240/1/60
  V=220/1/50
- Opt. Cabinet Finish CC=Custom Color
- Suitable for 50Hz

**VELOCITY PROFILE: Model AEC08-1036A**

<table>
<thead>
<tr>
<th>Distance from Nozzle (ft.)</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Velocity (fpm)</td>
<td>1483</td>
<td>1181</td>
<td>961</td>
</tr>
</tbody>
</table>

Velocity projection based on high speed operation.

---

Sound level measured 10’ (3m) from the unit in free field:
- AEC1036 & AEC1042: Low/Medium/High Speed: 59/60/62 dBA
- AEC1048 & AEC1060: Low/Medium/High Speed: 61/62/64 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

---

Berner International Corporation 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.
## Electrical Performance Sheet

**ARCHITECTURAL ELITE 8**
Ambient (Unheated) Air Curtain

### MODEL

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC08-1036A</td>
<td>1</td>
<td>7.2</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1042A</td>
<td>1</td>
<td>7.2</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1048A</td>
<td>1</td>
<td>7.2</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1060A</td>
<td>1</td>
<td>7.2</td>
<td>15</td>
</tr>
</tbody>
</table>

**120/1/60 (voltage code A)**
MOTOR AMP DRAW = 7.2 each

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC08-1036A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1042A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
</tbody>
</table>

**208/1/60 (voltage code B) or 220/1/50 (voltage code V)**
MOTOR AMP DRAW = 4.0 each

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC08-1048A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1060A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
</tbody>
</table>

**240/1/60 (voltage code J)**
MOTOR AMP DRAW = 4.0 each

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC08-1048A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
<tr>
<td>AEC08-1060A</td>
<td>1</td>
<td>4.0</td>
<td>15</td>
</tr>
</tbody>
</table>

Berner reserves the right to alter specifications without prior notice.

**Berner International Corporation** 800.245-4455
111 Progress Ave. / New Castle / PA / 16101 / USA

©Copyright, 2015 Berner International Corporation
AEC08
AMBIENT SYSTEM

NOTES:

△ AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT
  OBSTRUCTED WHEN REFLECTOR PC TO EITHER SIDE OF
  CURTAIN.
△ ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
△ FIELD VERIFY DIMENSIONS.
△ ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
△ ACCURACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED
  BY A PROFESSIONAL STRUCTURAL ENGINEER.
△ LETTER "A" IN MODEL NUMBER DESIGNATES AMBIENT UNIT.
△ DIMENSIONS IN INCHES (METERS).

TOP VIEW

FRONT VIEW

BOTTOM VIEW

END VIEW

PERFORATED INTAKE GRILL

ADJUSTABLE NOZZLE VANES

ALUMINUM DISCHARGE GRILL

HINGED REMOVABLE ACCESS PANEL
  (MUST REMOVE INTAKE AND
  DISCHARGE GRILLS TO ACCESS)

FLOW

FLOW

FLOW

FLOW

NOZZLE WIDTH - "A"

NOZZLE WIDTH - "A"

NOZZLE WIDTH - "A"

NOZZLE WIDTH - "A"

MODEL | NOZZLE WIDTH (A) | HOUSING WIDTH (B) | UNIT WIDTH (C)
------|------------------|-------------------|-------------
AEC08-003A | 36.300 (92.19) | 37.756 (96.09) | 99.063 (252.00)
AEC08-003A | 42.250 (107.32) | 43.756 (111.29) | 147.063 (374.00)
AEC08-004A | 48.300 (122.46) | 49.756 (127.06) | 195.063 (494.00)
AEC08-005A | 55.350 (140.46) | 56.756 (144.37) | 243.063 (617.40)
AEC08-006A | 62.400 (158.46) | 63.756 (163.29) | 291.063 (737.40)