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

STANDARD CONSTRUCTION
• 12 ¼” high x 21 ¼” deep
• 1/2 hp motor(s) - ten speeds
• Factory installed Intelliswitch digital controller
• Clear satin anodized aluminum exterior
  (Optional: Custom Color or Stainless)
• Wall & Top Mounting
• High efficiency, low noise Pro-V Nozzle
• Optional: Filter (washable)
• Optional: Wi-Fi Controller, works with the Berner App

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.

### STANDARD AHD10-1036A

<table>
<thead>
<tr>
<th>MODEL NUMBER</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>AHD10-1036A</td>
<td>36.75</td>
<td>5,483</td>
<td>2,453</td>
<td>1,565</td>
<td>90%</td>
<td>0.54</td>
<td>1 @ ½</td>
<td>65</td>
</tr>
<tr>
<td>AHD10-1042A</td>
<td>42.75</td>
<td>5,621</td>
<td>1,873</td>
<td>1,390</td>
<td>86%</td>
<td>0.52</td>
<td>1 @ ½</td>
<td>68</td>
</tr>
<tr>
<td>AHD10-1048A</td>
<td>48.75</td>
<td>5,838</td>
<td>1,674</td>
<td>1,417</td>
<td>71%</td>
<td>0.52</td>
<td>1 @ ½</td>
<td>70</td>
</tr>
<tr>
<td>AHD10-2060A</td>
<td>60.75</td>
<td>7,300</td>
<td>2,408</td>
<td>2,540</td>
<td>59%</td>
<td>0.90</td>
<td>2 @ ½</td>
<td>125</td>
</tr>
<tr>
<td>AHD10-2072A</td>
<td>74.50</td>
<td>7,483</td>
<td>2,420</td>
<td>3,130</td>
<td>90%</td>
<td>1.08</td>
<td>2 @ ½</td>
<td>130</td>
</tr>
<tr>
<td>AHD10-2084A</td>
<td>86.50</td>
<td>5,621</td>
<td>1,851</td>
<td>2,780</td>
<td>86%</td>
<td>1.04</td>
<td>2 @ ½</td>
<td>140</td>
</tr>
<tr>
<td>AHD10-2096A</td>
<td>98.50</td>
<td>5,838</td>
<td>1,657</td>
<td>2,834</td>
<td>71%</td>
<td>1.04</td>
<td>2 @ ½</td>
<td>145</td>
</tr>
<tr>
<td>AHD10-3108A</td>
<td>112.25</td>
<td>5,483</td>
<td>2,409</td>
<td>4,695</td>
<td>90%</td>
<td>1.62</td>
<td>3 @ ½</td>
<td>170</td>
</tr>
<tr>
<td>AHD10-3120A</td>
<td>118.25</td>
<td>5,483</td>
<td>2,202</td>
<td>4,520</td>
<td>86%</td>
<td>1.60</td>
<td>3 @ ½</td>
<td>175</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Operation at 50 Hz will generate approximately a 17% reduction in air performance.
2. Outdoor installation – consult factory.

*See sheet EP-210 for amp draws/total load requirements.*
<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>AHD10-1036A</td>
<td>1</td>
<td>8.5</td>
<td>15</td>
</tr>
<tr>
<td>AHD10-1042A</td>
<td>1</td>
<td>8.5</td>
<td>15</td>
</tr>
<tr>
<td>AHD10-1048A</td>
<td>1</td>
<td>8.5</td>
<td>15</td>
</tr>
<tr>
<td>AHD10-2060A</td>
<td>1</td>
<td>17.0</td>
<td>20</td>
</tr>
<tr>
<td>AHD10-2072A</td>
<td>1</td>
<td>17.0</td>
<td>20</td>
</tr>
<tr>
<td>AHD10-2084A</td>
<td>1</td>
<td>17.0</td>
<td>20</td>
</tr>
<tr>
<td>AHD10-2096A</td>
<td>1</td>
<td>17.0</td>
<td>20</td>
</tr>
<tr>
<td>AHD10-3108A</td>
<td>1</td>
<td>25.5</td>
<td>30</td>
</tr>
<tr>
<td>AHD10-3120A</td>
<td>1</td>
<td>25.5</td>
<td>30</td>
</tr>
</tbody>
</table>

**120/1/60 (voltage code A)**
MOTOR AMP DRAW = 8.5 each

**208/1/60 (voltage code B)**
MOTOR AMP DRAW = 4.3 each

**240/1/60 (voltage code J) or 220/1/50 (voltage code V)**
MOTOR AMP DRAW = 4.3 each

Berner reserves the right to alter specifications without prior notice.
# AHD 10
## AMBIENT SYSTEM

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### TOP VIEW

- WALL MOUNTING PLATE
- MOUNTING WIDTH - "C"
- 5/16-18 THREADED INSERT FOR TOP MOUNTING (4 TYP)

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### FRONT VIEW

- PERFORATED INTAKE SCREEN(S)
- W/ OPTIONAL FILTER(S)
- UNIT WIDTH - "B"
- JUNCTION BOX
  - ONE PER CIRCUIT

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### BOTTOM VIEW

- REMOVABLE ACCESS PANEL
- INTELLI-SWITCH
- ADJUSTABLE NOZZLE VANES

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### END VIEW

- REMOVE PHILLIPS SCREWS TO ACCESS INTAKE SCREENS
- 2.20 (55.91) CLEARANCE FOR SCREEN REMOVAL
- SILICONE RUBBER VIBRATION DAMPER
- WALL MOUNTING PLATE
- MOUNTING HARDWARE (BY OTHERS)
- OPTIONAL BACK COVER
- LOCKING SCREWS BY BERNER
- HINGED ACCESS PANEL (MUST REMOVE SCREEN TO ACCESS)
- AIR FLOW

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### NOTES:

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN REFLECTED 20° TO EITHER SIDE OF CURTAIN.
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LETTER "A" IN MODEL NUMBER DESIGNATES AMBIENT UNIT.
- DIMENSIONS IN INCHES (CENTIMETERS).

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### Table: Nozzle and Unit Dimensions

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLE WIDTH</th>
<th>UNIT WIDTH</th>
<th>MOUNTING WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHD10-103EA</td>
<td>36.75 (93.333)</td>
<td>37.75 (95.893)</td>
<td>8.00 (20.320)</td>
</tr>
<tr>
<td>AHD10-104EA</td>
<td>49.75 (126.353)</td>
<td>45.75 (116.143)</td>
<td>10.00 (25.400)</td>
</tr>
<tr>
<td>AHD10-108EA</td>
<td>63.75 (161.724)</td>
<td>61.75 (156.850)</td>
<td>12.00 (30.480)</td>
</tr>
<tr>
<td>AHD10-207EA</td>
<td>74.50 (188.973)</td>
<td>73.50 (186.777)</td>
<td>16.00 (40.640)</td>
</tr>
<tr>
<td>AHD10-208EA</td>
<td>96.00 (243.834)</td>
<td>87.50 (222.272)</td>
<td>24.00 (60.960)</td>
</tr>
<tr>
<td>AHD10-308EA</td>
<td>112.25 (285.125)</td>
<td>111.25 (281.661)</td>
<td>27.00 (68.580)</td>
</tr>
<tr>
<td>AHD10-320EA</td>
<td>118.25 (300.360)</td>
<td>119.25 (302.900)</td>
<td>27.00 (68.580)</td>
</tr>
</tbody>
</table>

---

### Project Information

- **Title:** BERNER
- **Model:** AHD 10 AMBIENT SYSTEM
- **Date:** 31 MAY 2017
- **Architect:** BERNER INTERNATIONAL CORP.
- **Engineer:** BERNER INTERNATIONAL CORP.

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