ARCHITECTURAL HIGH PERFORMANCE 10
Steam Heated Air Curtain Data Sheet

For Mounting Heights To 10’ (environmental separation)

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, Bronze Anodized or Stainless)
- Wall & Top Mounting
- High efficiency, low noise Pro-V Nozzle
- Factory installed coil
- 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 (steam heated) 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.

<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>Coil Output (MBH)</th>
<th>Inlet Pressure (PSIG)</th>
<th>Condensate (lbs/hr)</th>
<th>Air Temp. Rise (°F)</th>
<th>Net Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHD10-1036S</td>
<td>36.75</td>
<td>6,556</td>
<td>2,183</td>
<td>1,393</td>
<td>87%</td>
<td>0.53</td>
<td>1 @ ½</td>
<td>56.5</td>
<td>5</td>
<td>58.2</td>
<td>37°</td>
<td>98</td>
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<tr>
<td>AHD10-1042S</td>
<td>42.75</td>
<td>7,182</td>
<td>1,929</td>
<td>1,432</td>
<td>68%</td>
<td>0.54</td>
<td>1 @ ½</td>
<td>62.4</td>
<td>5</td>
<td>64.3</td>
<td>40°</td>
<td>104</td>
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<tr>
<td>AHD10-1048S</td>
<td>48.75</td>
<td>6,600</td>
<td>1,718</td>
<td>1,454</td>
<td>57%</td>
<td>0.55</td>
<td>1 @ ½</td>
<td>67.5</td>
<td>5</td>
<td>69.6</td>
<td>43°</td>
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<tr>
<td>AHD10-2060S</td>
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<td>7,300</td>
<td>2,011</td>
<td>2,121</td>
<td>76%</td>
<td>0.84</td>
<td>2 @ ½</td>
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<td>95.0</td>
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<td>2 @ ½</td>
<td>117.3</td>
<td>5</td>
<td>120.9</td>
<td>39°</td>
<td>182</td>
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<td>AHD10-2084S</td>
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<td>7,182</td>
<td>1,907</td>
<td>2,664</td>
<td>68%</td>
<td>1.08</td>
<td>2 @ ½</td>
<td>128.7</td>
<td>5</td>
<td>132.7</td>
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<tr>
<td>AHD10-2096S</td>
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<td>6,600</td>
<td>1,701</td>
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<td>57%</td>
<td>1.10</td>
<td>2 @ ½</td>
<td>138.5</td>
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<td>142.8</td>
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<td>AHD10-3108S</td>
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<td>87%</td>
<td>1.59</td>
<td>3 @ ½</td>
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<td>3 @ ½</td>
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<td>5</td>
<td>190.3</td>
<td>40°</td>
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</tbody>
</table>

NOTES:
1. Operation at 50 Hz will generate approximately a 17% reduction in performance.
2. Coil performance based on 65°F entering air temperature.
3. Standard connection same end supply/return.
4. Coil should be field supplied with a solenoid valve that energizes only when air curtain is energized. Consideration must be taken for freeze protection when necessary.
5. Maximum leaving air temperature shall not exceed 120°F.
6. Consult factory for alternate steam pressures or vertically mounted units.

See sheet EP-214 for amp draws/total load requirements.

MODEL NUMBER CONFIGURATION
AHD10-1 036 S A -R-WCA-SS

Series 
# of Motors 
Opening Width 
Heat 
Opt. Display 
Opt. Control 
Opt. Cabinet Finish
AHD10 
1, 2, 3 
036" - 120" 
S=Steam Heated
*A=120/1/60 
B=208/1/60
J=240/1/60
V=220/1/50 
R=Remote Display 
WCA=Wi-Fi Controller 
SS=Stainless Steel
BR=Bronze Anodized

VELOcity PROJECTION: Model AHD10-1036S

Distance from Nozzle (in) | 40 | 80 | 120 | 160 | 200
Core Velocity (fpm) | 2511 | 1689 | 1500 | 1189 | 1056
Uniformity (%) | 94 | 96 | 92 | 93 | 93

Sound level measured 10’ (3m) from the unit in free field:
1 motor: Min./Max. Speed: 53/56 dBA
2 motors: Min./Max. Speed: 56/59 dBA
3 motors: Min./Max. Speed: 59/62 dBA

Sound data is not AMCA certified.

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

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