HAZARDOUS LOCATION SERIES 14
Ambient (Unheated) Air Curtain
Data Sheet

www.berner.com
Berner International Corporation 800.245.4455
111 Progress Ave. / New Castle / PA / 16101 / USA

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For Door Heights To 14’ (environmental separation) and 12’ (insect control)

STANDARD CONSTRUCTION

- Constructed for Class I, Division 1 & 2, Groups C & D
- Constructed for Class II, Division 1 & 2, Groups F & G
- 1 hp explosion proof single speed motor(s) temperature code T3C
- Interior and exterior gray zinc epoxy powder coated aluminized steel cabinet with aluminum screen and access panels
- External mount explosion proof junction box (One per motor)
- Aluminum impellers in a matching housing
- Wall & Top Mounting
- High efficiency Pro-V Nozzle

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CONFIGURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A=Ambient</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL NUMBER CONFIGURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLC14-1036A</td>
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<tr>
<td>HLC14-1042A</td>
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<tr>
<td>HLC14-1048A</td>
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<td>HLC14-4156A</td>
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<td>HLC14-4168A</td>
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<td>HLC14-4180A</td>
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<td>HLC14-5180A</td>
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<tr>
<td>HLC14-4192A</td>
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<tr>
<td>HLC14-5192A</td>
</tr>
</tbody>
</table>

NOTES:
1. Consult factory for 50 Hz operation.
2. Performance data based on AMCA licensed data from unheated IDC14 units.
3. Vertically mounted Hazardous Location Series air curtains not available.
Berner does not recommend HLC14-1060A, HLC14-2108A, and HLC14-2120A, exist only as an equivalent to competitors’ models.
See sheet EP-910 for amp draws/total load requirements.

<table>
<thead>
<tr>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle Width (in)</td>
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<tr>
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<tr>
<td>HLC14-1036A</td>
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</table>

<table>
<thead>
<tr>
<th>VELOCITY PROFILE: Model HLC14-1036A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance from Nozzle (ft)</td>
</tr>
<tr>
<td>Core Velocity (fpm)</td>
</tr>
</tbody>
</table>

Sound level measured 10’ (3m) from the unit in free field:
1, 2, 3, 4 & 5 motor(s): 66 dBA, 69 dBA, 71 dBA, 72 dBA & 73 dBA

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

**HAZARDOUS LOCATION SERIES 14**

**120/1/60 (voltage code A) MOTOR AMP DRAW = 12.6 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>HLC14-1036A</td>
<td>1</td>
<td>12.6</td>
<td>30</td>
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<tr>
<td>HLC14-1042A</td>
<td>1</td>
<td>12.6</td>
<td>30</td>
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<tr>
<td>HLC14-1048A</td>
<td>1</td>
<td>12.6</td>
<td>30</td>
</tr>
<tr>
<td>HLC14-1060A</td>
<td>1</td>
<td>12.6</td>
<td>30</td>
</tr>
</tbody>
</table>

**208/1/60 (voltage code B) MOTOR AMP DRAW = 6.5 each**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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</thead>
<tbody>
<tr>
<td>HLC14-2060A</td>
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<td>6.5</td>
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<tr>
<td>HLC14-2072A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
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<tr>
<td>HLC14-2078A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
</tr>
<tr>
<td>HLC14-2084A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
</tr>
<tr>
<td>HLC14-2096A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
</tr>
<tr>
<td>HLC14-2108A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
</tr>
<tr>
<td>HLC14-2120A</td>
<td>1</td>
<td>6.5</td>
<td>15</td>
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</tbody>
</table>

**240/1/60 (voltage code J) MOTOR AMP DRAW = 6.5 each**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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<tr>
<td>HLC14-3096A</td>
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<td>HLC14-3120A</td>
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<td>HLC14-3132A</td>
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<td>HLC14-3144A</td>
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<td>14.4</td>
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</tbody>
</table>

### Notes
- MOTOR AMP DRAW = 4.8 each
- MOTOR AMP DRAW = 12.6 each
- MOTOR AMP DRAW = 6.5 each
- MOTOR AMP DRAW = 2.3 each
- MOTOR AMP DRAW = 1.4 each

**Voltage Codes:**
- 120/1/60 (voltage code A)
- 208/1/60 (voltage code B)
- 240/1/60 (voltage code J)
- 208/3/60 (voltage code D)
- 240/3/60 (voltage code E)
- 480/3/60 (voltage code H)
- 600/3/60 (voltage code I)

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<tbody>
<tr>
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<td>25</td>
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<td>25</td>
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</tr>
<tr>
<td>HLC14-5192A</td>
<td>1</td>
<td>23.0</td>
<td>30</td>
</tr>
</tbody>
</table>

**208/3/60 (voltage code D)**
- MOTOR AMP DRAW = 4.8 each

**240/3/60 (voltage code E)**
- MOTOR AMP DRAW = 4.6 each

**480/3/60 (voltage code H)**
- MOTOR AMP DRAW = 2.3 each

**600/3/60 (voltage code I)**
- MOTOR AMP DRAW = 1.4 each

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