HAZARDOUS LOCATION SERIES 12
Hot Water Heated Air Curtain
Data Sheet

Sound level measured 10' (3m) from the unit in free field:
1, 2, 3, 4 & 5 motor(s): 63 dBA, 66 dBA, 68 dBA, 69 dBA & 70 dBA

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For Door Heights To 12’ (environmental separation)

STANDARD CONSTRUCTION
• Constructed for Class I, Division 1 & 2, Groups C & D
• ½ 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

NOTES:
• NO VERTICAL MOUNTING
• For construction other than standard, Consult Factory

NOTES:
1. Performance data based on AMCA licensed data from unheated IDC12 units.
2. Coil performance based on 65°F entering air temperature.
3. Standard connection same end supply/return (Optional: opposite 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 50 Hz operation, alternate entering air & water temperatures, GPM's, and opposite end supply/return connections performance data.
7. Vertically mounted Hazardous Location Series air curtains not available.

Berner does not recommend HLC12-1060W, HLC12-2108W, and HLC12-2120W, exist only as an equivalent to competitors’ models.

See sheet EP-906 for amp draws/total load requirements.

MODEL NUMBER CONFIGURATION

HLC12-1 036 W A

Series
HLC12

# of Motors
1, 2, 3, 4, 5

Opening Width
036" - 192"

Heat
W=Hot Water Heated

Voltage

A=120/1/60
B=208/1/60
C=240/1/60
D=208/3/60
E=240/3/60
F=480/3/60
I=600/3/60

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DS-906
December, 2023

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<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>
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### Hot Water Heated Air Curtain Electrical Performance Sheet

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**HLC12**

**HOT WATER HEATED**

**HAZARDOUS LOCATION**

### Front View
- Unit width: 12”
- 40 welds (20) mounting holes (20)
- Fan location: 4 motor units will have junction boxes mounted on each end plate

### Bottom View
- Locking screw (2)
- Removable bottom cover

### Table: Model and Specifications

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<thead>
<tr>
<th>Model</th>
<th>Nozzle Width (in)</th>
<th>Mounting Width (in)</th>
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### Notes:
- Air curtain must be installed so air stream is not obstructed when reflected back 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.
- Letters in model number designate hot water heater unit.
- Remote optional control panel available, see 4/12 for non-hazardous location mounting. New 7/9 for hazardous location mounting. Please specify.
- Coil connections as shown. Opposite same end connections available. Please specify.
- Expansions in inches (centimeters).

---

**Architect:**

**Engineers:**

**Fabricators:**

**Design:**

**Quantity:**

**Contact:**

**Date:**

**Location:**

**Model:**

**Drawing No.:**

**Scale:**

**Document Control:**

**Revisions:**