# HAZARDOUS LOCATION SERIES 16
## Hot Water Heated Air Curtain
### Data Sheet

Berner reserves the right to alter specifications without prior notice.

- **For Door Heights To 16’ (environmental separation)**
- **2 Year Limited Warranty**

## Standard Construction

- Constructed for Class I, Division 1 & 2, Groups C & D
- Explosion proof single speed motor(s) temperature code T3C
- Interior and exterior gray zinc epoxy powder coated aluminized steel cabinet and screen
- Split cabinet construction for fan assembly removal
- External mount explosion proof junction box (One per motor)
- Aluminum impellers in zinc epoxy powder coated galvanized steel housing
- ABS plastic air diverters, factory assembled to the outlet of each blower housing
- Top Mounting only
- High efficiency Pro-V Nozzle

### NOTES:

- **No Vertical Mounting**
- For construction other than standard, Consult Factory

## Coil Features:

- Aluminum casing
- 5/8” copper tube with .035” wall
- Aluminum fins
- Leak tested at 450 psi

### Standard Construction

- **Construct**
- **Class I, Division 1 & 2, Groups C & D**
- **Explosion proof single speed motor(s) temperature code T3C**
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- **Split cabinet construction for fan assembly removal**
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- **ABS plastic air diverters, factory assembled to the outlet of each blower housing**
- **Top Mounting only**
- **High efficiency Pro-V Nozzle**

### Notes:

1. Performance data based on AMCA licensed data from unheated IDC16 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.

See sheet EP-926 for amp draws/total load requirements.

## Model Number Configuration

- **HLC16-1 060 W D-F**

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### Notes:

1. Performance data based on AMCA licensed data from unheated IDC16 units.
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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.

See sheet EP-926 for amp draws/total load requirements.

### Sound Level Measurement

- **Sound level measured 10’ (3m) from the unit in free field:**
  - 3, 5, 7½, (5 + 3) & (5 + 5) hp motor(s):
    - 68 dBA, 70 dBA, 71 dBA, 72 dBA & 73 dBA

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## HAZARDOUS LOCATION SERIES 16
Hot Water Heated Air Curtain
Electrical Performance Sheet

<table>
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<th>MODEL</th>
<th>Qty @ HP</th>
<th>208/360 (voltage code D) TOTAL MOTOR AMP DRAW</th>
<th>240/360 (voltage code E) TOTAL MOTOR AMP DRAW</th>
<th>480/360 (voltage code H) TOTAL MOTOR AMP DRAW</th>
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<td>BREAKER RATING PER CIRCUIT</td>
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