HAZARDOUS LOCATION SERIES 20
Hot Water Heated Air Curtain
Data Sheet

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For Door Heights To 20’ (environmental separation)

STANDARD CONSTRUCTION
- Constructed for Class I, Division 1 & 2, Groups C & D
- Constructed for Class II, Division 1 & 2, Groups F & G
- 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
- Fiberglass air diverters, factory assembled to the outlet of each blower housing
- Top Mounting only
- High efficiency Pro-V Nozzle

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

NOTES:
1. Performance data based on AMCA licensed data from unheated IDC20 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.
See sheet EP-936 for amp draws/total load requirements.

MODEL NUMBER CONFIGURATION
HLC20-1 060 W D-F

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HLC20-1060W</td>
<td>60.00</td>
<td>6,580</td>
<td>4,181</td>
<td>7,403</td>
<td>89%</td>
<td>4.70</td>
<td>1 @ 5</td>
<td>267.3</td>
<td>180° / 158°</td>
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<td>6.80</td>
<td>1 @ 7½</td>
<td>439.0</td>
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<td>1 @ 10</td>
<td>576.1</td>
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<td>22.3</td>
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<td>1,837</td>
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</table>

Sound level measured 10’ (3m) from the unit in free field:
5, 7½, 10, 15 & (7½ + 7½) hp motor(s):
73 dBA, 75 dBA, 76 dBA, 78 dBA & 78 dBA

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>Qty @ HP</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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<td>17.0</td>
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<td>15.8</td>
<td>35</td>
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<td>7.9</td>
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<td>1</td>
<td>6.3</td>
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<td>23.0</td>
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<td>22.0</td>
<td>45</td>
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<td>15.3</td>
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<td>1</td>
<td>11.7</td>
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<td>44.0</td>
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<td>22.0</td>
<td>45</td>
<td>1</td>
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<td>35</td>
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<td>1</td>
<td>46.0</td>
<td>70</td>
<td>1</td>
<td>44.0</td>
<td>70</td>
<td>1</td>
<td>22.0</td>
<td>35</td>
<td>1</td>
<td>17.0</td>
<td>30</td>
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## HLC20

**HOT WATER HEATED**

**TOP INTAKE**

**OPP. END SUP./RET.**

**HAZARDOUS LOCATION**

### FRONT VIEW

- HOT WATER COIL
- MOUNTING HOLES (TYP)
- 20-50 [cm] MOUNTING HOLES (TYP)

### BOTTOM VIEW

- NOZZLE ANGLE ADJUSTMENT (TYP)
- DAMPER CONTROL (TYP)

### END VIEW

- ONE HAZARDOUS LOCATION
- JUNCTION BOX PER MOTOR
- 48 FLOW

### NOTES:

- **ARROW** must be installed so as to assure that the no charitable symbols are not obstructed when reflected upward to either side of the electrical connections to be flexible.
- **FLEX** verify dimensions.
- **ANCHORS** to supporting structure in others.
- **APRON** of supporting structure is to be verified by a professional structural engineer.
- LETTER **F** in model number designates hot water heater unit that is for top intake.
- **REMOTE** control optional feature available. Note: 4/12 for non-hazardous location. Moving from 1/4 for hazardous location. Please specify.
- **COIL CONNECTIONS** shown at opposite and save end connections available. Please specify.
- Dimensions in inches converted.

### Table:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLE WIDTH</th>
<th>MOUNTING WIDTH</th>
<th>UNIT WIDTH</th>
<th>OVERALL WIDTH</th>
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<td>HLC20-06V-T</td>
<td>0.930 [in]</td>
<td>0.900 [in]</td>
<td>0.900 [in]</td>
<td>1.800 [in]</td>
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</tbody>
</table>

**PROJECT:**

**ARCHITECT:**

**ENGINEER:**

**DESIGNER:**

**MANUFACTURER:** BERNER

**LOCATION:**

**COMMENTS:**
HLC20
HOT WATER HEATED
FRONT INTAKE
OPP. END SUP./RET.
HAZARDOUS LOCATION

NOTES:
A. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
B. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
C. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
D. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
E. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
F. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
G. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
H. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
I. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
J. CURTAIN MUST BE INSTALLED SO AS NOT TO DISTURB THE ELECTRICAL CONNECTIONS TO BE FLEXIBLE.