For Door Heights To 20’ (environmental separation) and 18’ (insect control)

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

### MODEL NUMBER CONFIGURATION

**HLC20-1 060 A D-F**

<table>
<thead>
<tr>
<th>Series</th>
<th># of Motors</th>
<th>Opening Width</th>
<th>Heat</th>
<th>Voltage</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLC20</td>
<td>1, 2</td>
<td>060&quot; - 192&quot;</td>
<td>A=Ambient</td>
<td>D=208/3/60</td>
<td>T=Top</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E=240/3/60</td>
<td>F=Front</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H=480/3/60</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>I=600/3/60</td>
<td></td>
</tr>
</tbody>
</table>

5 Year Limited Warranty  
Made in USA

### VELOCITY PROFILE:

**Model HLC20-1060A**

- Distance from Nozzle (ft): 3 10 17
- Core Velocity (fpm): 3027 1967 1500

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

### NOTES:
1. Consult factory for 50 Hz operation.
2. Performance data based on AMCA licensed data from unheated IDC20 units.
3. Vertically mounted Hazardous Location Series air curtains not available.

See sheet EP-930 for amp draws/total load requirements.
<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>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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</thead>
<tbody>
<tr>
<td>HLC20-1080A</td>
<td>1 @ 5</td>
<td>1</td>
<td>17.0</td>
<td>35</td>
<td>1</td>
<td>15.8</td>
<td>35</td>
<td>1</td>
<td>7.9</td>
<td>20</td>
<td>1</td>
<td>6.3</td>
<td>15</td>
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<tr>
<td>HLC20-1072A</td>
<td>1 @ 7.5</td>
<td>1</td>
<td>23.0</td>
<td>50</td>
<td>1</td>
<td>22.0</td>
<td>45</td>
<td>1</td>
<td>11.0</td>
<td>25</td>
<td>1</td>
<td>8.5</td>
<td>20</td>
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<tr>
<td>HLC20-1108A</td>
<td>1 @ 10</td>
<td>1</td>
<td>31.5</td>
<td>60</td>
<td>1</td>
<td>30.6</td>
<td>60</td>
<td>1</td>
<td>15.3</td>
<td>30</td>
<td>1</td>
<td>11.7</td>
<td>25</td>
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<tr>
<td>HLC20-1120A</td>
<td>1 @ 10</td>
<td>1</td>
<td>46.0</td>
<td>100</td>
<td>1</td>
<td>44.0</td>
<td>100</td>
<td>1</td>
<td>22.0</td>
<td>45</td>
<td>1</td>
<td>17.5</td>
<td>35</td>
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<tr>
<td>HLC20-1132A</td>
<td>1 @ 15</td>
<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>
</tr>
</tbody>
</table>

Berner reserves the right to alter specifications without prior notice.

Hazardous Location Series 20
Ambient (Unheated) Air Curtain
Electrical Performance Sheet

208/3/60 (voltage code D)
TOTAL MOTOR AMP DRAW

240/3/60 (voltage code E)
TOTAL MOTOR AMP DRAW

480/3/60 (voltage code H)
TOTAL MOTOR AMP DRAW

600/3/60 (voltage code I)
TOTAL MOTOR AMP DRAW

www.berner.com  Berner International  800.245-4455
111 Progress Ave. / New Castle / PA / 16101 / USA

EP-930
December, 2018

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**HLC20 AMBIDENT SYSTEM TOP INTAKE HAZARDOUS LOCATION**

**TOP VIEW**

- PROTECTIVE INLET SCREEN
- MOUNTING WIDTH: "3"
- 2.25 (2 FT) MOUNTING HOLES (TYP)

**FRONT VIEW**

- UNIT WIDTH: "C"

**BOTTOM VIEW**

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

**END VIEW**

- ONE HAZARDOUS LOCATION JUNCTION BOX PER MOTOR
- VENT LOCATION

**NOTES:**

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DECREASED TO EITHER SIDE OF UNIT.
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- LOAD OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LETTER NO IN MODEL NUMBER DESIGNATES AMBIENT UNIT. THE NO FOR INTAKE.
- ELECTRICAL PANEL AVAILAble FOR HAZARDOUS LOCATION LOCATION PANEL.
- DIMENSIONS IN INCHES (CENTIMETERS)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLE WIDTH</th>
<th>MOUNTING WIDTH</th>
<th>UNIT WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLC20-0002-T</td>
<td>40.00 (101.60)</td>
<td>64.00 (162.56)</td>
<td>68.00 (172.72)</td>
</tr>
<tr>
<td>HLC20-1022-T</td>
<td>42.00 (106.68)</td>
<td>72.00 (182.88)</td>
<td>76.00 (192.00)</td>
</tr>
<tr>
<td>HLC20-1042-T</td>
<td>44.00 (111.76)</td>
<td>84.00 (213.36)</td>
<td>88.00 (223.52)</td>
</tr>
<tr>
<td>HLC20-2042-T</td>
<td>96.00 (243.84)</td>
<td>97.00 (245.92)</td>
<td>99.00 (249.93)</td>
</tr>
<tr>
<td>HLC20-2042-T</td>
<td>108.00 (274.32)</td>
<td>119.00 (302.34)</td>
<td>123.00 (312.40)</td>
</tr>
<tr>
<td>HLC20-2122-T</td>
<td>126.00 (319.92)</td>
<td>135.00 (342.92)</td>
<td>140.00 (355.60)</td>
</tr>
<tr>
<td>HLC20-2144-T</td>
<td>144.00 (365.76)</td>
<td>149.00 (393.96)</td>
<td>157.00 (399.08)</td>
</tr>
<tr>
<td>HLC20-2244-T</td>
<td>156.00 (396.24)</td>
<td>170.00 (431.82)</td>
<td>177.00 (449.96)</td>
</tr>
<tr>
<td>HLC20-2280-T</td>
<td>186.00 (472.44)</td>
<td>195.00 (495.28)</td>
<td>205.00 (520.64)</td>
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<tr>
<td>HLC20-2324-T</td>
<td>190.00 (482.60)</td>
<td>200.00 (508.00)</td>
<td>210.00 (533.40)</td>
</tr>
</tbody>
</table>
### TOP VIEW
- Mounting Width = 178.00 [mm]
- Hole (6/8) Mounting Holes (Top)

### FRONT VIEW
- Unit Width = 34.00 [mm]
- Protective Inlet Screen

### BOTTOM VIEW
- Bumper Control (Typ)
- Nozzle Angle Adjustment (Typ)

### END VIEW
- Flow: Air
- Flow: Fan (1/3 HP)
- Motor: 1/3 HP
- One Hazardous Location Junction Box / Motor

### NOTES:
- Air curtain must be installed so air stream is not obstructed when deflected 28" to either side of unit.
- Electrical connections to be flexible.
- Field verify dimensions.
- Anchors to supporting structure by others.
- Capacity of supporting structure is to be verified by a professional structural engineer.
- Letter "F" in model number indicates ambient unit. "F" is for right intake.
- Remote control panel available. (New 4/02)
- For Hazardous Location, position right side for Hazardous Location Pointing. Please specify.
- Dimensions in inches (millimeters)

<table>
<thead>
<tr>
<th>Model</th>
<th>Nozzle Width</th>
<th>Mounting Width</th>
<th>Unit Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLCX-0566-F</td>
<td>49.00 (125.00)</td>
<td>59.00 (150.00)</td>
<td>68.00 (172.00)</td>
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<tr>
<td>HLCX-1078-F</td>
<td>79.00 (200.00)</td>
<td>79.00 (200.00)</td>
<td>87.00 (221.00)</td>
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<tr>
<td>HLCX-2085-F</td>
<td>95.00 (241.00)</td>
<td>97.00 (246.00)</td>
<td>105.00 (267.00)</td>
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<tr>
<td>HLCX-2992-F</td>
<td>135.00 (343.00)</td>
<td>139.00 (353.00)</td>
<td>147.00 (373.00)</td>
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<tr>
<td>HLCX-1444-F</td>
<td>144.00 (366.00)</td>
<td>148.00 (376.00)</td>
<td>156.00 (396.00)</td>
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<tr>
<td>HLCX-1966-F</td>
<td>156.00 (396.00)</td>
<td>157.00 (398.00)</td>
<td>165.00 (419.00)</td>
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<tr>
<td>HLCX-2982-F</td>
<td>198.00 (498.00)</td>
<td>203.00 (515.00)</td>
<td>211.00 (536.00)</td>
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<tr>
<td>HLCX-3994-F</td>
<td>290.00 (737.00)</td>
<td>295.00 (749.00)</td>
<td>303.00 (768.00)</td>
</tr>
</tbody>
</table>

**ARCHITECT:**

**ENGINEER:**

**CONTRACTOR:**

**DATE:**

**LOCATION:**

**COMPANY:**

**CONTACT PERSON:**

---

**Hazardous Location Front Panel Right Information**

**REPLACED BY:**

**BERNER INTERNATIONAL CORP.,**

**Hazardous Location, Right Panel Right Information**

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