INDUSTRIAL DIRECT DRIVE 20
Hot Water Heated Air Curtain
Data Sheet

For Mounting Heights To 20’ (environmental separation)

STANDARD CONSTRUCTION
- Single speed T.E.A.O. motor(s) - direct drive
- Gray powder coated exterior (Optional: Custom Color or Stainless)
- Split cabinet construction for fan assembly removal
- Top Mounting only
- Front air intake (Optional: top)
- High efficiency Pro-V Nozzle

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

NOTES:
1. Operation at 50 Hz will generate approximately a 17% reduction in performance.
2. Performance data based on AMCA licensed data from unheated units.
3. Coil performance based on 65°F entering air temperature.
4. Standard connection same end supply/return (Optional: opposite end supply/return).
5. 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.
6. Maximum leaving air temperature shall not exceed 120°F.
7. Consult factory for alternate entering air & water temperatures, GPM's, opposite end supply/return connections performance data, or vertically mounted units.

See sheet EP-446 for amp draws/total load requirements.

<table>
<thead>
<tr>
<th>MODEL NUMBER CONFIGURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC20-1 060 W D-F-SS</td>
</tr>
</tbody>
</table>

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

Berner reserves the right to alter specifications without prior notice.

www.berner.com  Berner International  800.245.4455
111 Progress Ave. / New Castle / PA / 16101 / USA
## INDUSTRIAL DIRECT DRIVE 20

**Hot Water Heated Air Curtain**

**Electrical Performance Sheet**

**MODEL** | **Qty @ HP** | **# CKTS** | **AMPS PER CIRCUIT** | **BREAKER RATING PER CIRCUIT** | **# CKTS** | **AMPS PER CIRCUIT** | **BREAKER RATING PER CIRCUIT** | **# CKTS** | **AMPS PER CIRCUIT** | **BREAKER RATING PER CIRCUIT**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
IDC20-1060W | 1 @ 5 | 1 | 17.0 | 35 | 1 | 15.8 | 35 | 1 | 7.9 | 20
IDC20-1060W | 1 @ 7.5 | 1 | 23.0 | 50 | 1 | 22.0 | 45 | 1 | 11.0 | 25
IDC20-1060W | 1 @ 10 | 1 | 31.5 | 60 | 1 | 30.6 | 60 | 1 | 15.3 | 30
IDC20-1060W | 1 @ 15 | 1 | 46.0 | 100 | 1 | 44.0 | 100 | 1 | 22.0 | 45
IDC20-2192W | 2 @ 7.5 | 1 | 46.0 | 70 | 1 | 44.0 | 70 | 1 | 22.0 | 35

### 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**

### 380/3/50 (voltage code T)

**TOTAL MOTOR AMP DRAW**

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EP-446
TOP VIEW

FRONT VIEW

BOTTOM VIEW

END VIEW

NOTES:

- Air curtain must be installed so air stream is not obstructed when reflected 20 ft. to either side of the unit.
- Electrical connections to be flexible.
- Field verify dimensions.
- Anchors to supporting structure by others.
- Stability of supporting structure is to be verified by a professional structural engineer.
- Letter "T" in model number designates hot water heated unit, the "T" designates to intake.
- Optional control panel available: Left Hand Point, Right Hand Point, or Remote. Please specify.
- Coil connections as shown. Opposite and same end connections available. Please specify.
- Dimensions in inches (or millimeters).

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOSE WIDTH (&quot;A&quot;)</th>
<th>MOUNTING WIDTH (&quot;B&quot;)</th>
<th>UNIT WIDTH (&quot;C&quot;)</th>
<th>OVERALL WIDTH (&quot;D&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-0000×T</td>
<td>60.00 (152.40)</td>
<td>61.00 (155.40)</td>
<td>63.00 (160.00)</td>
<td>65.00 (165.00)</td>
</tr>
<tr>
<td>1000-0250×T</td>
<td>75.00 (190.50)</td>
<td>76.00 (193.00)</td>
<td>78.00 (198.00)</td>
<td>80.00 (200.00)</td>
</tr>
<tr>
<td>1000-0275×T</td>
<td>77.50 (196.85)</td>
<td>78.50 (199.85)</td>
<td>80.50 (202.50)</td>
<td>82.50 (205.00)</td>
</tr>
<tr>
<td>1000-0275×T</td>
<td>80.00 (203.20)</td>
<td>81.00 (206.00)</td>
<td>83.00 (210.00)</td>
<td>85.00 (212.00)</td>
</tr>
<tr>
<td>1000-0350×T</td>
<td>90.00 (228.60)</td>
<td>91.00 (231.00)</td>
<td>93.00 (236.00)</td>
<td>95.00 (239.00)</td>
</tr>
<tr>
<td>1000-0350×T</td>
<td>100.00 (254.00)</td>
<td>101.00 (257.00)</td>
<td>103.00 (262.00)</td>
<td>105.00 (265.00)</td>
</tr>
</tbody>
</table>

IDC20
HOT WATER HEATED
TOP INTAKE
SAME END SUP./RET.
TOP VIEW
MOUNTING WIDTH = "B"

FRONT VIEW
OVERALL WIDTH = "D"
UNIT WIDTH = "C"

BOTTOM VIEW
NOZZLE ANGLE ADJUSTMENT (TOP)

NOTES:
- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT
  DIRECTED TOWARDS ANY OTHER OBJECTS.
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- SECURITY OF SUPPORTING STRUCTURE IS TO BE VERIFIED
  BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LETTER "W" IN MODEL NUMBER DESIGNATES: HOT WATER
  HEATED OUT, THE "W" INDICATES FRONT IN/TAKE
- OPTIONAL CONTROL PANEL AVAILABLE: LEFT HAND POINT,
  RIGHT HAND POINT, OR REMOTE. PLEASE SPECIFY
- COIL CONNECTIONS AS SHOWN. OPPOSITE AND SAME END
  CONNECTIONS AVAILABLE. PLEASE SPECIFY
- DIMENSIONS IN INCHES (MILLIMETERS)