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.

MODEL NUMBER CONFIGURATION
IDC20-1 060 W D-F-SS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC20-1060W</td>
<td>60.00</td>
<td>6,580</td>
<td>3,870</td>
<td>6,854</td>
<td>89%</td>
<td>4.70</td>
<td>1 @ 5</td>
<td>233.5</td>
<td>180° / 161°</td>
<td>25.0</td>
<td>2.9</td>
<td>31°</td>
<td>487</td>
<td></td>
</tr>
<tr>
<td>IDC20-1072W</td>
<td>72.00</td>
<td>6,549</td>
<td>3,852</td>
<td>8,186</td>
<td>89%</td>
<td>4.90</td>
<td>1 @ 5</td>
<td>281.9</td>
<td>180° / 160°</td>
<td>29.0</td>
<td>4.0</td>
<td>31°</td>
<td>545</td>
<td></td>
</tr>
<tr>
<td>IDC20-1084W</td>
<td>84.00</td>
<td>6,076</td>
<td>3,574</td>
<td>8,861</td>
<td>87%</td>
<td>4.90</td>
<td>1 @ 5</td>
<td>319.8</td>
<td>180° / 160°</td>
<td>33.0</td>
<td>5.2</td>
<td>33°</td>
<td>603</td>
<td></td>
</tr>
<tr>
<td>IDC20-1096W</td>
<td>96.00</td>
<td>6,900</td>
<td>4,059</td>
<td>11,500</td>
<td>92%</td>
<td>6.80</td>
<td>1 @ 7½</td>
<td>397.1</td>
<td>180° / 160°</td>
<td>41.0</td>
<td>8.1</td>
<td>32°</td>
<td>737</td>
<td></td>
</tr>
<tr>
<td>IDC20-1108W</td>
<td>108.00</td>
<td>6,747</td>
<td>3,969</td>
<td>12,650</td>
<td>90%</td>
<td>6.90</td>
<td>1 @ 7½</td>
<td>445.0</td>
<td>180° / 160°</td>
<td>46.0</td>
<td>10.4</td>
<td>32°</td>
<td>830</td>
<td></td>
</tr>
<tr>
<td>IDC20-1120W</td>
<td>117.00</td>
<td>7,494</td>
<td>4,523</td>
<td>15,612</td>
<td>88%</td>
<td>8.70</td>
<td>1 @ 10</td>
<td>519.8</td>
<td>180° / 160°</td>
<td>53.0</td>
<td>13.9</td>
<td>30°</td>
<td>910</td>
<td></td>
</tr>
<tr>
<td>IDC20-1132W</td>
<td>132.00</td>
<td>7,017</td>
<td>4,127</td>
<td>16,080</td>
<td>87%</td>
<td>8.90</td>
<td>1 @ 10</td>
<td>557.8</td>
<td>180° / 159°</td>
<td>55.0</td>
<td>15.3</td>
<td>32°</td>
<td>974</td>
<td></td>
</tr>
<tr>
<td>IDC20-1144W</td>
<td>144.00</td>
<td>7,640</td>
<td>4,381</td>
<td>19,100</td>
<td>87%</td>
<td>11.70</td>
<td>1 @ 15</td>
<td>639.1</td>
<td>180° / 159°</td>
<td>62.0</td>
<td>19.7</td>
<td>31°</td>
<td>1,027</td>
<td></td>
</tr>
<tr>
<td>IDC20-1156W</td>
<td>156.00</td>
<td>7,405</td>
<td>4,356</td>
<td>20,055</td>
<td>86%</td>
<td>11.90</td>
<td>1 @ 15</td>
<td>677.5</td>
<td>180° / 159°</td>
<td>63.0</td>
<td>20.6</td>
<td>31°</td>
<td>1,145</td>
<td></td>
</tr>
<tr>
<td>IDC20-1168W</td>
<td>168.00</td>
<td>7,783</td>
<td>4,323</td>
<td>22,700</td>
<td>90%</td>
<td>12.80</td>
<td>1 @ 15</td>
<td>751.1</td>
<td>180° / 158°</td>
<td>69.0</td>
<td>25.0</td>
<td>30°</td>
<td>1,243</td>
<td></td>
</tr>
<tr>
<td>IDC20-1180W</td>
<td>180.00</td>
<td>7,300</td>
<td>4,294</td>
<td>22,814</td>
<td>91%</td>
<td>12.90</td>
<td>1 @ 15</td>
<td>774.4</td>
<td>180° / 157°</td>
<td>69.0</td>
<td>25.4</td>
<td>31°</td>
<td>1,304</td>
<td></td>
</tr>
<tr>
<td>IDC20-2192W</td>
<td>192.00</td>
<td>6,900</td>
<td>4,059</td>
<td>23,000</td>
<td>92%</td>
<td>13.60</td>
<td>2 @ 7½</td>
<td>797.7</td>
<td>180° / 156°</td>
<td>69.0</td>
<td>25.8</td>
<td>32°</td>
<td>1,437</td>
<td></td>
</tr>
</tbody>
</table>

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.

MODEL NUMBER CONFIGURATION
IDC20-1 060 W D-F-SS

Series
IDC20

# of Motors
1, 2

Opening Width
060° - 192°

Heat
W=Hot Water Heated

Voltage
D=208/360 E=240/360 H=480/360 I=600/360 T=380/35

Intake
T=Top [F=Front]

Opt. Cabinet Finish
SS=Stainless Steel CC=Custom Color

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

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

©Copyright, 2022 Berner International
### Electrical Performance Sheet

**INDUSTRIAL DIRECT DRIVE 20**

**Hot Water Heated Air Curtain**

**208/3/60 (voltage code D)**

**240/3/60 (voltage code E)**

**480/3/60 (voltage code H)**

<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>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC20-1060W</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>
</tr>
<tr>
<td>IDC20-1072W</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>
</tr>
<tr>
<td>IDC20-1084W</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>
</tr>
<tr>
<td>IDC20-1096W</td>
<td>1 @ 15</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>
</tr>
<tr>
<td>IDC20-1108W</td>
<td>1 @ 7.5</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>
</tr>
<tr>
<td>IDC20-1120W</td>
<td>1 @ 10</td>
<td>1</td>
<td>6.3</td>
<td>15</td>
<td>1</td>
<td>7.7</td>
<td>20</td>
<td>1</td>
<td>7.7</td>
<td>20</td>
</tr>
<tr>
<td>IDC20-1132W</td>
<td>1 @ 7.5</td>
<td>1</td>
<td>8.5</td>
<td>20</td>
<td>1</td>
<td>9.0</td>
<td>20</td>
<td>1</td>
<td>9.0</td>
<td>20</td>
</tr>
<tr>
<td>IDC20-1144W</td>
<td>1 @ 10</td>
<td>1</td>
<td>11.7</td>
<td>25</td>
<td>1</td>
<td>12.5</td>
<td>25</td>
<td>1</td>
<td>12.5</td>
<td>25</td>
</tr>
<tr>
<td>IDC20-1156W</td>
<td>1 @ 15</td>
<td>1</td>
<td>17.5</td>
<td>35</td>
<td>1</td>
<td>18.0</td>
<td>40</td>
<td>1</td>
<td>18.0</td>
<td>40</td>
</tr>
<tr>
<td>IDC20-1168W</td>
<td>1 @ 7.5</td>
<td>1</td>
<td>17.0</td>
<td>30</td>
<td>1</td>
<td>18.0</td>
<td>30</td>
<td>1</td>
<td>18.0</td>
<td>30</td>
</tr>
</tbody>
</table>

**TOTAL MOTOR AMP DRAW**

- **208/3/60 (voltage code D)**
- **240/3/60 (voltage code E)**
- **480/3/60 (voltage code H)**
- **600/3/60 (voltage code I)**
- **380/3/50 (voltage code T)**

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

©Copyright, 2018 Berner International
**IDC20**

**HOT WATER HEATED**

**FRONT INTAKE**

**SAME END SUP./RET.**

---

**TOP VIEW**

- Mounting width - "B"
- Hole spacing (1/2"")
- Mounting holes (TYP)

**FRONT VIEW**

- Overall width - "D"
- Protective inlet screen

**BOTTOM VIEW**

- Nozzle angle adjustment (TYP)

---

**END VIEW**

- Hot water return
- Hot water supply

---

**NOTES:**

- Air curtain must be installed so air stream is not obstructed when reflected 20° to either side of it.
- 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 "A" in model number designates hot water heated out. The "A" designates front 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 (millimeters).

---

**Model Information**

<table>
<thead>
<tr>
<th>Model</th>
<th>Nozzle Width</th>
<th>Mounting Width</th>
<th>Unit Width</th>
<th>Overall Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60.00</td>
<td>130.00</td>
<td>110.00</td>
<td>170.00</td>
</tr>
<tr>
<td>B</td>
<td>70.00</td>
<td>140.00</td>
<td>120.00</td>
<td>180.00</td>
</tr>
<tr>
<td>C</td>
<td>90.00</td>
<td>150.00</td>
<td>130.00</td>
<td>200.00</td>
</tr>
<tr>
<td>D</td>
<td>110.00</td>
<td>160.00</td>
<td>140.00</td>
<td>220.00</td>
</tr>
<tr>
<td>E</td>
<td>130.00</td>
<td>170.00</td>
<td>150.00</td>
<td>240.00</td>
</tr>
</tbody>
</table>
NOTES:

- Air curtain must be installed so air stream is not obstructed when reflected on to either side of room.
- Electrical connections to be flexible.
- Field verify openings.
- Anchors to supporting structure by others.
- Stability of supporting structure is to be verified by a professional structural engineer.
- Letter "F" in model number designates Hot Water Heated Unit. The "F" designates front intake.
- Optional control panel available: Left or right mounted, remote or remote, please specify.
- Coil connections as shown, opposite and same end connections available, please specify.
- Dimensions in inches (millimeters).

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOSE LENGTH</th>
<th>FOOTING WITH</th>
<th>UNIT WIDTH</th>
<th>OVERALL WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-100W-F</td>
<td>6000 (152.4)</td>
<td>6120 (155.5)</td>
<td>6380 (162)</td>
<td>7450 (190.3)</td>
</tr>
<tr>
<td>1000-1002W-F</td>
<td>7980 (208.2)</td>
<td>8120 (206.5)</td>
<td>8380 (214)</td>
<td>9450 (246.1)</td>
</tr>
<tr>
<td>1000-200W-F</td>
<td>8440 (215)</td>
<td>8580 (218)</td>
<td>8840 (226)</td>
<td>9910 (253.5)</td>
</tr>
<tr>
<td>1200-100W-F</td>
<td>9500 (241.3)</td>
<td>9640 (245.7)</td>
<td>9900 (251)</td>
<td>10970 (278.9)</td>
</tr>
<tr>
<td>1200-1002W-F</td>
<td>10600 (269.2)</td>
<td>10740 (272.3)</td>
<td>10990 (288)</td>
<td>12060 (307)</td>
</tr>
<tr>
<td>1200-200W-F</td>
<td>11920 (303.5)</td>
<td>12060 (308)</td>
<td>12320 (318.9)</td>
<td>13390 (340.3)</td>
</tr>
<tr>
<td>1600-100W-F</td>
<td>14480 (368.6)</td>
<td>14620 (374)</td>
<td>14880 (379.5)</td>
<td>15950 (407.5)</td>
</tr>
<tr>
<td>1600-1002W-F</td>
<td>16120 (409.9)</td>
<td>16260 (413)</td>
<td>16520 (422.9)</td>
<td>17590 (442.2)</td>
</tr>
<tr>
<td>1600-200W-F</td>
<td>16580 (421.2)</td>
<td>16720 (424.6)</td>
<td>16980 (434.9)</td>
<td>18050 (459)</td>
</tr>
<tr>
<td>2000-100W-F</td>
<td>20620 (523.4)</td>
<td>20760 (524)</td>
<td>20920 (530.5)</td>
<td>22000 (555.6)</td>
</tr>
<tr>
<td>2000-1002W-F</td>
<td>24120 (610)</td>
<td>24260 (613)</td>
<td>24520 (622.9)</td>
<td>25600 (650.9)</td>
</tr>
<tr>
<td>2000-200W-F</td>
<td>26620 (680.8)</td>
<td>26760 (681)</td>
<td>26920 (684.9)</td>
<td>27990 (711.1)</td>
</tr>
</tbody>
</table>