**INDUSTRIAL BELT DRIVE 30**

Steam Heated Air Curtain

Data Sheet

For Door Heights To 30' (environmental separation)

**STANDARD CONSTRUCTION**

- Single speed T.E.F.C. motor - belt drive
- Gray powder coated exterior (Optional: Custom Color or Stainless)
- Split cabinet construction for fan assembly removal
- Removable access panels
- Top Mounting only
- Front air intake (Optional: top)
- Motor location top right (Optional: top left, front left or front right)

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

**STANDARD CONSTRUCTION**

- Single speed T.E.F.C. motor - belt drive
- Gray powder coated exterior (Optional: Custom Color or Stainless)
- Split cabinet construction for fan assembly removal
- Removable access panels
- Top Mounting only
- Front air intake (Optional: top)
- Motor location top right (Optional: top left, front left or front right)

<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>
</tr>
</thead>
<tbody>
<tr>
<td>IBC30-1096S</td>
<td>96.00</td>
<td>7,590</td>
<td>3,800</td>
<td>20,240</td>
<td>79%</td>
<td>15.90</td>
<td>1 @ 15</td>
<td>936.3</td>
<td>5</td>
<td>965.0</td>
<td>42°</td>
<td>1,116</td>
</tr>
<tr>
<td>IBC30-1108S</td>
<td>108.00</td>
<td>6,429</td>
<td>3,215</td>
<td>19,287</td>
<td>86%</td>
<td>14.60</td>
<td>1 @ 15</td>
<td>966.7</td>
<td>5</td>
<td>996.4</td>
<td>46°</td>
<td>1,171</td>
</tr>
<tr>
<td>IBC30-1120S</td>
<td>116.00</td>
<td>7,395</td>
<td>3,800</td>
<td>24,650</td>
<td>89%</td>
<td>20.80</td>
<td>1 @ 20</td>
<td>1,135.9</td>
<td>5</td>
<td>1,170.8</td>
<td>42°</td>
<td>1,230</td>
</tr>
<tr>
<td>IBC30-1132S</td>
<td>120.00</td>
<td>6,868</td>
<td>3,434</td>
<td>25,183</td>
<td>87%</td>
<td>20.40</td>
<td>1 @ 20</td>
<td>1,223.1</td>
<td>5</td>
<td>1,260.6</td>
<td>44°</td>
<td>1,354</td>
</tr>
<tr>
<td>IBC30-1144S</td>
<td>144.00</td>
<td>6,429</td>
<td>3,215</td>
<td>25,716</td>
<td>86%</td>
<td>19.50</td>
<td>1 @ 20</td>
<td>1,288.9</td>
<td>5</td>
<td>1,328.5</td>
<td>46°</td>
<td>1,468</td>
</tr>
<tr>
<td>IBC30-1156S</td>
<td>156.00</td>
<td>5,996</td>
<td>2,998</td>
<td>25,983</td>
<td>85%</td>
<td>20.80</td>
<td>1 @ 20</td>
<td>1,345.5</td>
<td>5</td>
<td>1,386.8</td>
<td>47°</td>
<td>1,582</td>
</tr>
<tr>
<td>IBC30-1168S</td>
<td>168.00</td>
<td>7,330</td>
<td>3,665</td>
<td>34,206</td>
<td>86%</td>
<td>26.40</td>
<td>1 @ 25</td>
<td>1,609.7</td>
<td>5</td>
<td>1,659.1</td>
<td>43°</td>
<td>1,697</td>
</tr>
<tr>
<td>IBC30-1180S</td>
<td>180.00</td>
<td>6,948</td>
<td>3,474</td>
<td>34,739</td>
<td>85%</td>
<td>26.60</td>
<td>1 @ 25</td>
<td>1,677.9</td>
<td>5</td>
<td>1,729.4</td>
<td>44°</td>
<td>1,816</td>
</tr>
<tr>
<td>IBC30-1192S</td>
<td>192.00</td>
<td>7,590</td>
<td>3,800</td>
<td>40,480</td>
<td>79%</td>
<td>31.80</td>
<td>1 @ 30</td>
<td>1,872.6</td>
<td>5</td>
<td>1,930.1</td>
<td>42°</td>
<td>1,930</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 steam pressures, or opposite end supply/return connections performance data.
8. Vertically mounted Industrial Belt Drive air curtains not available.

See sheet EP-464 for amp draws/total load requirements.

**MODEL NUMBER CONFIGURATION**

**IBC30-1 096 S D-F-T-SS**

- **Series:** IBC30
- **# of Motors:** 1
- **Opening Width:** 096” - 192”
- **Heat:** Steam Heated
- **Voltage:** D=208/3/60, E=240/3/60, H=480/3/60, I=600/3/60, T=380/3/50
- **Intake:** T=Top, F=Front
- **Motor Location:** T=Top, F=Front
- **Opt. Cabinet Finish:** SS=Stainless Steel, CC=Custom Color

Sound level measured 10’ (3m) from the unit in free field:

- 15, 20, 25 & 30 hp motor(s):
  - 85 dBA, 86 dBA, 87 dBA & 88 dBA

Berner reserves the right to alter specifications without prior notice.
<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>
</tr>
</thead>
<tbody>
<tr>
<td>IBC30-1096S</td>
<td>1 @ 15</td>
<td>1</td>
<td>40.0</td>
<td>90</td>
<td>1</td>
<td>37.0</td>
<td>80</td>
</tr>
<tr>
<td>IBC30-1108S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBC30-1120S</td>
<td>1 @ 20</td>
<td>1</td>
<td>53.4</td>
<td>125</td>
<td>1</td>
<td>47.0</td>
<td>100</td>
</tr>
<tr>
<td>IBC30-1132S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBC30-1144S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBC30-1156S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBC30-1168S</td>
<td>1 @ 25</td>
<td>1</td>
<td>65.0</td>
<td>150</td>
<td>1</td>
<td>59.0</td>
<td>125</td>
</tr>
<tr>
<td>IBC30-1180S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBC30-1192S</td>
<td>1 @ 30</td>
<td>1</td>
<td>78.0</td>
<td>175</td>
<td>1</td>
<td>70.0</td>
<td>150</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
**IBC30 STEAM HEATED TOP INTAKE**

SAME END SUP./RET.
FRONT MOTOR MOUNT

CAUTION: UNIT MAY NOT BE SUSPENDED FROM COIL.
IT MUST BE SUPPORTED FROM THE MOTORS.

END VIEW (BELT GUARD REMOVED)

**BOTTOM VIEW**

NOTES:

- CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBLITERATED WHEN REFLECTOR BAR TO EITHER SIDE OF CURTAIN.
- ALL ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- HEAT OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LETTER TS IN MODEL NUMBER DESIGNATES STEAM HEATER UNIT, IT DESIGNATES TOP INTAKE. TS IS FRONT MOTOR.
- OPTIMAL CONTROL PANEL AVAILABLE; LEFT HAND MOUNT, RIGHT HAND MOUNT OR REMOTE. LEAVE VERIFY.
- MOTOR AND IOI2 CONNECTIONS AS SHOWN, OPPOSE AND REVERSE CONNECTIONS AVAILABLE, PLEASE SPECIFY.
- DIMENSIONS IN INCHES MILLIMETERS.

**MODEL** | **MOBILE WIDTH** | **MOUNTING WIDTH** | **UNIT WIDTH** | **COIL WIDTH** | **MAX MOTOR HEIGHT**
---|---|---|---|---|---
11000-1085-1F | 96.00 | 324.80 | 186.00 | 626.00 | 205.00 | 510.00
11000-1085-2F | 124.00 | 474.80 | 226.00 | 686.00 | 205.00 | 510.00
11000-1085-3F | 160.00 | 524.80 | 276.00 | 736.00 | 205.00 | 510.00
11000-1085-TF | 220.00 | 628.80 | 376.00 | 836.00 | 205.00 | 510.00
38805-1144-1F | 144.00 | 483.70 | 194.00 | 603.00 | 195.00 | 495.00
38805-1144-2F | 190.00 | 534.70 | 234.00 | 653.00 | 195.00 | 495.00
38805-1144-TF | 260.00 | 684.70 | 304.00 | 734.00 | 195.00 | 495.00
38805-1194-1F | 166.00 | 594.70 | 226.00 | 686.00 | 175.00 | 445.00
38805-1194-2F | 212.00 | 644.70 | 266.00 | 736.00 | 175.00 | 445.00
38805-1194-TF | 280.00 | 794.70 | 336.00 | 836.00 | 175.00 | 445.00
38805-1295-1F | 192.00 | 697.60 | 254.00 | 739.00 | 155.00 | 394.00
38805-1295-2F | 238.00 | 747.60 | 304.00 | 839.00 | 155.00 | 394.00
38805-1295-TF | 308.00 | 897.60 | 374.00 | 939.00 | 155.00 | 394.00