# 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)

**Data Sheet**

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### Model Number Configuration

#### IBC30-1 096 D D-F-T-SS

<table>
<thead>
<tr>
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<tbody>
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<td>96.00</td>
<td>7,590</td>
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**NOTES:**
1. Operation at 50 Hz will generate approximately a 17% reduction in performance. Consult factory for gas heater sizing.
2. Performance data based on AMCA licensed data from unheated units.
3. Gas supply pressure: (Min 1.0 psi or 27 inch wc) to (Max 5.0 psi or 138 inch wc)
4. If incoming supply psi is greater than 5 psi, primary reducing regulator required and sized for incoming psi down to 5 psi.
5. Maximum leaving air temperature shall not exceed 120°F.
6. CAUTION: Direct Gas Heaters are not intended for use in high humidity applications.
7. Duct transition and direct fired gas heater are factory mounted to air curtain and each require individual support.
8. Gas train size is not the main gas supply line size.
9. Vertically mounted direct gas heated air curtain not available.

See sheet EP-469 for amp draws/total load requirements.

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**Model Number Configuration**

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

- Series: IBC30
- # of Motors: 1
- Opening Width: 096" - 192"
- Heat: D=Direct Gas Heated
- Voltage: D=208/3/60 E=240/3/60 H=480/3/60 I=600/3/60 L=380/3/60
- 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

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111 Progress Ave. / New Castle / PA / 16101 / USA

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>Qty @ HP</th>
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<th>240/360 (voltage code E)</th>
<th>480/360 (voltage code H)</th>
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<td>TOTAL MOTOR AMP DRAW</td>
<td>TOTAL MOTOR AMP DRAW</td>
<td>TOTAL MOTOR AMP DRAW</td>
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<td># CKTS</td>
<td>AMPS PER CIRCUIT</td>
<td>BREAKER RATING</td>
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* Includes 750VA transformer load for gas fired burner panel.

Berner reserves the right to alter specifications without prior notice.
**IBC30 DIRECT GAS FIRED ONE HEATER SYSTEM FRONT MOTOR MOUNT**

**TOP VIEW**

- MOUNTING WIDTH - "B"
- 100 TYP. [
- HIGH EFFICIENCY TENV MOTOR
- MOTOR JUNCTION BOX

**END VIEW** (BELT GUARD REMOVED)

- 50.00 [1270.0]
- 30.00 [762.0]
- BELT TENSION ADJUSTMENT

**END VIEW** (BELT GUARD REMOVED)

- 50.00 [1270.0]
- 30.00 [762.0]
- BELT TENSION ADJUSTMENT

**NOTES:**
- The motor must be installed on a gas stream that is not disturbed when reflected from the unit or to either side of the electrical connections to be flexible.
- Field verify dimensions.
- Anchors to supporting structure by others.
- Aerial of supporting structure is to be verified by a professional structural engineer.
- Optional control panel available. Left hand mount.
- Right hand mount or remote, please specify.
- Support direct gas heaters separately from unit.

**INCHES IN CENTIMETERS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLE LENGTH</th>
<th>MOUNTING LENGTH</th>
<th>UNIT LENGTH</th>
<th>OVERALL LENGTH</th>
<th>BURNER LENGTH</th>
<th>MOUNTING WIDTH</th>
<th>INTAKE WIDTH</th>
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<td>84.00 [213.4]</td>
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</table>

**DATE: 2000-06-10**

**CONTRACT NUMBER:**

**ENGINEER:**

**PREPARED BY:**

**TITLE:**

**DRAWING:**

**CHECKED BY:**

**Berner Model B3000 Gas Heater Diagram:**

**Heater is equipped for a maximum gas supply pressure of 18 to 28 psi.**