INDUSTRIAL BELT DRIVE 16
Direct Gas Heated Air Curtain 100° Temp. Rise
Data Sheet

For Door Heights To 16’ (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)

- Factory mounted duct transition with bottom access panels
- Factory mounted modulating direct fired heater with FM/IRI gas train
- Factory mounted wired heater control panel
- Steel cabinet with gray finish
- Spark ignited intermittent pilot

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.

See sheet EP-439 for amp draws/total load requirements.

MODEL NUMBER CONFIGURATION
IBC16-1 060 D D-F T-SS

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Sound level measured 10’ (3m) from the unit in free field:
3, 5, 7½ & 10 hp motor(s):
68 dBA, 70 dBA, 72 dBA & 73 dBA

Berner reserves the right to alter specifications without prior notice.
## INDUSTRIAL BELT DRIVE 16
### Direct Gas 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
---|---|---|---|---|---|---|---|---|---|---
IBC16-1060D | 1 @ 3 | 1 | 12.0 | 15 | | | | | | |
IBC16-1072D | | | | | | | | | | |
IBC16-1084D | | | | | | | | | | |
IBC16-1096D | 1 @ 5 | 1 | 17.2 | 30 | | | | | | |
IBC16-1108D | | | | | | | | | | |
IBC16-1112D | 1 @ 7.5 | 1 | 23.6 | 50 | | | | | | |
IBC16-1120D | | | | | | | | | | |
IBC16-1132D | | | | | | | | | | |
IBC16-1144D | | | | | | | | | | |
IBC16-1156D | | | | | | | | | | |
IBC16-1168D | | | | | | | | | | |
IBC16-1180D | | | | | | | | | | |
IBC16-1192D | 1 @ 10 | 1 | 30.1 | 60 | | | | | | |

**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
---|---|---|---|---|---|---|---|---|---|---
IBC16-1060D | 1 @ 3 | 1 | 4.5 | 15 | | | | | | |
IBC16-1072D | | | | | | | | | | |
IBC16-1084D | | | | | | | | | | |
IBC16-1096D | 1 @ 5 | 1 | 6.4 | 15 | | | | | | |
IBC16-1108D | | | | | | | | | | |
IBC16-1112D | 1 @ 7.5 | 1 | 8.5 | 15 | | | | | | |
IBC16-1120D | | | | | | | | | | |
IBC16-1132D | | | | | | | | | | |
IBC16-1144D | | | | | | | | | | |
IBC16-1156D | | | | | | | | | | |
IBC16-1168D | | | | | | | | | | |
IBC16-1180D | | | | | | | | | | |
IBC16-1192D | 1 @ 10 | 1 | 10.9 | 20 | | | | | | |

*Includes 750VA transformer load for gas fired burner panel.*

*Berner reserves the right to alter specifications without prior notice.*

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**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
---|---|---|---|---|---|---|---|---|---|---
IBC16-1060D | 1 @ 3 | 1 | 5.9 | 15 | | | | | | |
IBC16-1072D | | | | | | | | | | |
IBC16-1084D | | | | | | | | | | |
IBC16-1096D | 1 @ 5 | 1 | 6.4 | 15 | | | | | | |
IBC16-1108D | | | | | | | | | | |
IBC16-1112D | 1 @ 7.5 | 1 | 11.1 | 25 | | | | | | |
IBC16-1120D | | | | | | | | | | |
IBC16-1132D | | | | | | | | | | |
IBC16-1144D | | | | | | | | | | |
IBC16-1156D | | | | | | | | | | |
IBC16-1168D | | | | | | | | | | |
IBC16-1180D | | | | | | | | | | |
IBC16-1192D | 1 @ 10 | 1 | 14.0 | 30 | | | | | | |

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*Includes 750VA transformer load for gas fired burner panel.*

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

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DIRECT GAS FIRED
ONE HEATER SYSTEM
FRONT INTAKE
TOP MOTOR MOUNT

CAUTION:
HEATER IS DESIGNED FOR A MAXIMUM GAS SUPPLY PRESSURE
OF UP TO 8".

END VIEW

NOTES:
- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT
  DISTRACTED WHEN REFLECTED BY EITHER SIDE OF U;
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE;
- FIELD VERIFY TOLERANCES;
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS;
- ACCURACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED
  BY A PROFESSIONAL STRUCTURAL ENGINEER;
- LETTERS OF IN MODEL NUMBER DESIGNATE DIRECT GAS HEATER
  UNIT. A SEPARATE FRONT INTAKE AND MOTORS;
- SUPPORT DIRECT GAS HEATERS SEPARATELY FROM UNIT;

TABLE

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<th>NOZZLE WITH</th>
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BALL BUCKET CXL
BEIJER INTERNATIONAL INC.
BRYANT, CT