Indirect Fired Gas Heated Drawing

BD18 Series

(Belt Driven 18) Series

Control Panels
Remote Tstat
Shipped Loose
Door Limit Switches

TOP VIEW

Electrical Control Panel

(2) 3/8-16 Furnace Mounting Holes (each furnace)

Transition Assy.

Mid Submittal for Furnace Data and Dimension Removal of Furnace may be required for servicing and trouble shooting.

** Use corresponding letters in "Electrical Data" column to complete the model numbers.

For 3 furnace models, please add an additional C and D dims

Note: MARS reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements or replacements for previously purchased equipment.

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Notes:

1. The Air Curtain is designed to comply with the National Electric Code (NEC) and the furnaces are ETL verified to be 83% efficient with 3/8 overhead mounting hardware for overhead mounting.

2. 7/8" mounting holes (4) provided, (2) on each end of air curtain and 5/8" mounting holes (2) provided, (1) on each end of transition assembly.

3. Cabinet has sufficient strength for fastening on overhead or both ends without intermediate support. Furnace must be mounted at least 2" away from the transition. Transition pieces are provided with pilot holes for easy field assembly and hardware is included.

4. Factory assembled, powder coated Transition shipped loose for field installation, Units 10' and longer, use (2) transitions side by side.

5. Unit is to be installed such that air flow is unobstructed. Air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.

6. Furnaces with impellers have positive pressure, 20 gauge aluminized tubular heat exchanger with in-shot burner technology, power vented exhaust (horizontal or vertical), single stage gas valve, direct spark ignition and certified for Category I and III venting.

7. Circuit protection as per NEC by others.

8. Optional motor control panel and door limit switch is field installed and/or wired by others. The door limit switch is to be mounted such that the air curtain turns on as door begins to open. To prevent unit damage, the mounting brackets must be installed such that the bottom of the air curtain is not below the door header.
Indirect Fired Gas Heated Data Sheet

Applications: Environmental Separation (up to 18')

Features:
- Air Curtain and Transition
- 7 ½ to 15 HP continuous duty premium efficiency industrial TECF motors
- Air curtain is a self-contained one piece heavy gauge corrosion proof paint lock metal design
- Air curtain is constructed to conform to UL 507 (US) and CSA 22.2 (Canada) Standards
- Top mounting holes provided
- Cabinet has sufficient strength for fastening from overhead on both ends without intermediate support
- Adjustable air directional nozzle with 45° sweep front to back
- Transition is shipped fully assembled and attached to unit
- Standard color is Titanium Silver
- Rust preventative electrostatic polyurethane powder coating
- 12 month parts warranty
- Freight Not Included (FOB Factory)
- Proudly Made in the USA

Indirect Fired Gas Furnaces
- ETL verified to be 83% efficient
- In-shot burner technology
- Aluminized tubular heat exchanger (20 gauge)
- Positive pressure 120V impellers (separate 120V, 1Ø power req’d)
- Power vented exhaust
- Single stage gas valve
- Standard direct spark ignition
- Certified for Category I and III Venting
- Natural gas
- Factory test fired
- Overhead mounting hardware provided (2 per furnace)

Options and Accessories: (see Accessories Brochure)
- Motor Control Panels with remote mounted t-stat
- 409 and 321 stainless steel heat exchangers
- Separated combustion
- Two stage and modulating gas valves
- LP gas
- Custom housing and transition colors and finishes (304SS, 316SS)

Sound Levels: (measured at 10° in an open field)
7 ½ HP Motor Unit = 74 dBA, 10 HP Motor Unit = 75 dBA, 15 HP Motor Unit = 76 dBA

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