



CATALOG OF REZNOR® DIRECT-FIRED PRODUCTS

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“Basic” Makeup Air System - 100% Outside Air - Optional Features Available

| Models | Designed for |
|------------------|---|
| ADF/ADFH | Type of Installation: Indoor/Outdoor - Commercial/Industrial Applications: Heating/Makeup Air - Door Heater - Heating/Makeup Air with Optional Evaporative Cooling |
| Model Size | Description Page No. |
| ADF/ADFH | 50-750 MBH/2000-7300 CFM |
| Sizes | Technical Data 3 |
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| | Dimensional Data 5 |
| ADF/ADFH | 70-1250 MBH/3000-15500 CFM |
| Sizes | Technical Data 3 |
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NOTE: For ADF/ADFH accessories, see page 61.

Horizontal Configuration “Deluxe” Makeup Air System - 100% Outside Air with Constant Volume - 100% Outside Air with Variable Volume - Combination Outside Makeup Air Blended with Return Bypass Air - Optional Features Available

| Model | Designed for |
|------------------|--|
| RDF | Type of Installation: Indoor/Outdoor - Commercial/Industrial Applications: Heating/Makeup Air - Heating/Makeup Air with Controlled Building Pressurization - Heating/Makeup Air with Model REC Evaporative Cooling Module |
| Model Size | Description Page No. |
| RDF-1 | 20-750 MBH/1000-6500 CFM |
| | Description/Standard and Optional Features 22 |
| | Technical/Dimensional Data 23 |
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NOTE: For RDF accessories, see page 61.

Vertical Configuration “Deluxe” Makeup Air System - 100% Outside Air with Constant Volume - 100% Outside Air with Variable Volume - Combination Outside Makeup Air Blended with Return Bypass Air - Optional Features Available

| Model | Designed for |
|------------------|--|
| DV | Type of Installation: Indoor/Outdoor - Commercial/Industrial Applications: Heating/Makeup Air - Heating/Makeup Air with Controlled Building Pressurization - Heating/Makeup Air with Model REC Evaporative Cooling Module |
| Model | Description Page No. |
| DV | 250-3000 MBH/750-22,000 CFM |
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NOTE: For additional DV accessories, see page 61.

“Larger Capacity” Makeup Air System - 100% Outside Air with Constant Volume - 100% Outside Air with Variable Volume - Combination Outside Makeup Air Blended with Return Bypass Air - Optional Features Available

| Model | Designed for |
|------------------|--|
| DFB | Type of Installation: Indoor/Outdoor - Commercial/Industrial - Vertical or Horizontal Applications: Heating/Makeup Air - Heating/Makeup Air with Controlled Building Pressurization |
| Model | Description Page No. |
| DFBH/DFBV | 72-8000 MBH/9,000-75,000 CFM |
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IMPORTANT: Specifications are subject to change without notice. This guide is intended to provide specifications and technical information only.

This guide is not intended to be an instruction manual. When installing heating and ventilating equipment, you must check and conform to all local and national building codes. Improper installation of heating and ventilating equipment could be dangerous. Consult the manufacturer's installation manual for instructions and important warnings.

ADVANTAGES OF GAS DIRECT FIRED MAKEUP AIR SYSTEMS BY REZNOR®

- Designed for the most demanding specifications
 - Approved for both indoor and outdoor installation
 - Wide range of BTU and CFM capability
 - Variety of option selections including manifolds to meet insurance requirements
- Designed for safety
 - Less than 5 ppm CO emission
 - Ignition and flame supervision
 - Temperature and air flow safety devices
- Designed for operational efficiency
 - Low cost fuel
 - Highest combustion rate
 - Longer life expectancy due to fewer components susceptible to environmental deterioration
 - Provides for longer life and more efficient operation of the building exhaust and space heating systems
- Designed for ease of installation
 - Pre-engineered, one, two, or three piece systems
 - Lifting lugs
 - Customized wiring information
 - Accessories that are factory-installed or partially or completely pre-assembled for field installation
- Tested
 - **RDF/DFB** - ETL listed to ANSI Standards
 - **ADF/ADFH/DV** - A. G.A. certified to ANSI Standards
 - **ADF/ADFH/DFB/DV** - C.G.A. approved to Canadian Standards
- Designed to maintain total space comfort
 - provides makeup air to match the building exhaust load eliminating both infiltration of unwanted air and over-pressurization
 - provides discharge air to match space heat requirements

FOR YOUR SAFETY

WARNING: The use and storage of gasoline or other flammable vapors and liquids in the vicinity of this appliance is hazardous.

If you smell gas:

1. **Open windows.**
2. **Don't touch electrical switches.**
3. **Extinguish any open flame.**
4. **Immediately call your gas supplier.**

DANGER: The gas burner in a Reznor direct-fired heating/ makeup system is designed and equipped to provide safe and economically controlled complete combustion. However, if the installation does not permit the burner to receive the proper supply of combustion air, complete combustion may not occur. The result is incomplete combustion which produces carbon monoxide, a poisonous gas that can cause death.

Always comply with the combustion air requirements in the installation codes and instructions. NEVER RESTRICT OR OTHERWISE ALTER THE SUPPLY OF COMBUSTION AIR TO ANY HEATER. Direct-fired installations should provide for air changes as required by applicable installation code.