

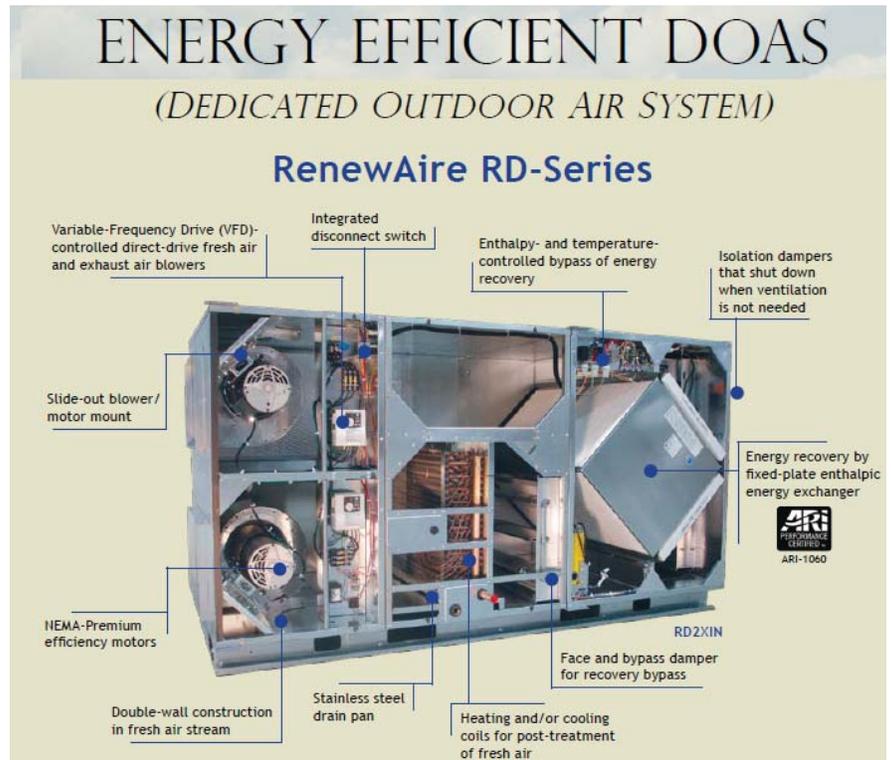


This issue of our newsletter has a new look. PerSPECtives is going green this issue in honor of our new line "RenewAire". As a accompany, their mission statement is to "support a healthy indoor environment and a sustainable earth through the manufacture and sales of energy efficient ventilation equipment". RenewAire products are manufactured in a LEED Silver certified building. Their facility is also Green Globes Certified and an Energy Star Building. On top of all that, they make a great product.

### Dedicated Outdoor Air Systems (DOAS) are a refinement of the De-coupled System concept. DOAS systems use two separate pieces of equipment:

- 1) Outside ventilation air is provided and pretreated by one piece of equipment that uses energy recovery to greatly reduce the sensible and latent loads of the outside air, then additionally cools air to address the remaining internal latent loads.
- 2) Sensible loads are addressed by a parallel piece of equipment, sometimes with separate ductwork, that provides the remaining circulation air needs. VAV, fan-coil and radiant systems all have been used successfully.

The RD-Series brings the DOAS concept to smaller applications where the benefits of decoupled systems and energy recovery are still important and valuable. Internal logic for the RD-Series is provided by simple, easy to understand temperature and enthalpy controls, and the unit can be controlled by a variety of stand-alone controls or a Building Management System.



Call us at Elite Air Systems for selection / application assistance.

#### Available Features

- DX Coils for dehumidification
- DX Coils for heat pumps
- Chilled water coils
- Hot water coils
- Dew point control
- Bypass indication
- Filter alarm
- External Controls
- BMS Interface

#### Operation Modes

- Shutdown mode
- Energy recovery mode
- Bypass mode
- Dehumidification mode (with optional features)
- Heating Mode (with optional features)

# 10 Year Core Warranty

Continued next page

57 Ash Circle \* Warminster, PA 18974 \* Tel: (215) 354-9070 \* Fax: (215) 354-9072 \* www.EliteAirSys.com



### Residential and Small Commercial



- ◆ 5 models ◆ 100-500 CFM
- ◆ Built-in 24 volt transformer/relay package



### Indoor Commercial

- ◆ 11 models ◆ 250-7,950 CFM
- ◆ 1 or 3 phase multi-voltage
- ◆ 24/120/230 volt control

### Outdoor Commercial

- ◆ 7 models ◆ 250-7,950 CFM
- ◆ 1 or 3 phase multi-voltage ◆ 24/120/230 volt control
- ◆ Available vertical or horizontal duct connections



### RTEC – Roof Top End Connect

- ◆ 5 models ◆ 250-3,700 CFM
- ◆ 1 or 3 phase multi-voltage ◆ 24 volt control
- ◆ Available transition for various brand rooftop units



### Applied Products

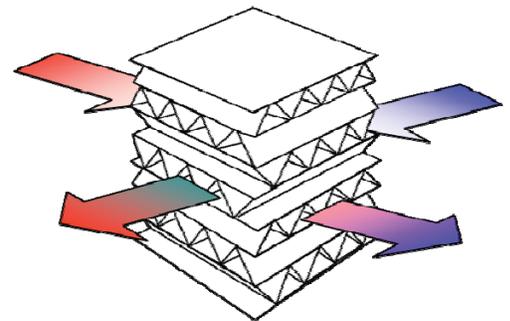
- ◆ “C” - Series (cabinet) ◆ 500-20,000 CFM
- ◆ “P” – Series (panelized) ◆ 1,500-unlimited CFM
- ◆ Requires blowers and manifolds by others



### The Core is the Key

The advanced static plate core transfers both sensible and latent energy using an advanced hydroscopic resin.

- Laminar flow through the core eliminates fouling and clogging
- Low static pressure loss result in fan energy savings
- No moving wheel means less maintenance and long, predictable, and consistent performances, with less down time.
- ARI certified **ZERO CROSS CONTAMINATION**
- No need for unbalanced supply/return airstreams.
- Proven technology. The RenewAire/Mitsubishi core is the largest ERV technology in the world for over 30 years.



REVIT, AutoCAD, and AutoCAD 3D models available for most RenewAire products. Visit

[www.renewaire.com](http://www.renewaire.com)

ERVCalc selection software is available on the web. It allows user to easily run ERV calculations, reports, schedules and project specific Carbon Certificates.

