

Unico News

July/August 2010

The Unico System
Small-Duct Central Heating & Air Conditioning

CONTRACTOR SUPPORT CONTACT US

Home Owners Contractors Professionals Products Unico Training

Home Owners
Contractors
DESIGN SERVICES
Unico Interactive House Video Tour

Small Duct High Velocity Central Heating & Air Conditioning From The Unico System.

Comfort, value, and retention in the architectural integrity of your home is our mission. Your family and friends deserve the finest in home comfort - a comfort the Unico System provides *without compromise!*

Maximum Comfort. Minimum Space.

Celebrating
1985 UNICO, Inc. 2010
25 Years

TRADITIONAL BUILDING EXHIBITOR
CHICAGO NAVY PIER
OCTOBER 20-23, 2010

NATE-Recognized

Request Information
Product Literature

Locate a Unico System Representative

Enter your zip code below to find a Unico System Representative for your area:

Postal Code: 90

News Releases
Case Studies
Unico Newsletter
Unico In The Media
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ICC Confirms Unico Ductwork

AVOCAT SPECS
SecMaster

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Feature Article

Website Updates

See Page 3

Unico Is Celebrating 25 Years In Business This

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UniSpot
INDUSTRIAL SPOT COOLING

The Unico System
Green Series

The Unico System
Small-Duct Central Heating & Air Conditioning

UniChiller RC
HEATS & COOLS RC

Case Study

When it comes to retrofit, Unico Fits

Overview

Situated about 100 miles from New York City, Shelter Island, NY certainly lives up to its namesake. With the luxurious Hamptons to the south and the rural North Fork to the north, more than a third of the island has been set up as a Nature Preserve, effectively sheltering the island from the hectic lifestyle that can easily be found on Long Island.

Because of all the tranquility found out here, the homeowners chose this location as their summer home. However, they were growing tired of heat stopping them from fully enjoying their summers so they decided to add central air conditioning. Their main home, found just outside the Bronx in Pelham, NY, already has a Unico System. And because the home owners love the size, performance and efficiency of their current Unico System, they wanted another one in their summer home.

Strategy

Matt and Mike Carlo of Innovative Air Solutions were the ones who installed the system in the owners first home. The homeowners already knew the outstanding work of the Carlo brothers so they contacted them again. Matt and Mike were happy to help, even though it's a little farther than they normally travel. Getting to Shelter Island is a strategy in itself. After a 2.5 hour drive, the crew then had to take a 20 minute ferry to get onto the island.

Upon arrival, Innovative Air knew a conventional system was out of the question. Not only did the homeowners want the Unico System, but there was little room for conventional equipment without the interior undergoing major modifications.

With a total of 1800 sq ft., the home is not particularly big, yet still required about 3.5 tons of cooling. To satisfy the load Matt and Mike used a Unico 3642 series air handler, which includes a 3.5 ton blower and coil used with a Unico Advanced Control board. This ensures optimal efficiency and control of the unit. The Unico unit is paired with a 3.5 ton Carrier suit case style condensing unit as well as a Honeywell thermostat.

Results

The system was installed in early July, 2010, just before the oppressive summer heat blanketed the region. Because the homeowners already enjoy the comfort of The Unico System in their current home, there is no doubt that they will love this system as well and will finally be able to fully enjoy their summers on Shelter Island.



Unico Website Updates

The Unico marketing department has been busy over the past several months updating the website to make it easier for visitors to use. Check out each of the following updated pages on the Unico website.

Design Services

In an effort to make it easier for customers to submit their design plans, the Unico Design Services department has added a new feature to their plans submission process. Individuals can now submit a PDF drawing of their plans directly to the design services team. In the past, only a CAD drawing could be submitted but in order to meet the growing demands of users who needed to submit PDF files, we upgraded our software to accommodate the demand for PDF files.

In an effort to make it easier to navigate to the Design Services page we have added a new link on our home page that will take you directly to the forms submission page where you can begin entering your specific information. Here is what the link looks like:



Literature Request

To simplify the process of ordering literature for homeowners, contractors, and sales representatives, Unico has updated our literature request page. Now when you go to the request page you can fill out a form with your mailing address and the quantity and type of literature that you desire and the request is forwarded directly to our literature department.

To see the new literature request page go to www.unicosystem.com and click on the product literature icon located in the upper right hand corner of our homepage.



Warranty Page

The warranty page on the Unico website has been updated to make it easier for the homeowner to register their products after installation. To go directly to the warranty page visit: www.unicosystem.com/warranty

News From the Training Department

Unico will be offering our 2 day Contractor Product Training (CPT) class again this fall in St. Louis, MO and Las Vegas, NV. The dates for the **St. Louis class are the 14th and 15th of September and the 23rd and 24th of September in Las Vegas**. The following is a brief description of what you will learn by attending the class.

CPT Contractor Product Training

Day 1

Introduction, registration, current events, how The Unico System fits

- Comparison, SDHV vs. Conventional, diffusion/throw/return vs. aspiration
- SDHV Principles of Operations
- System components, features and applications
- Duct design
- Plenum design
- System installation
- Balance, start and test, and troubleshooting

Day 2

- ECM Green Series air handler and SMART Control Board
- Chiller applications, (benefits and load diversification)
- Components, performance, sizing and allowing for glycol
- Piping
- Start and testing
- Zoning The Unico System
- New electronic control module and installation

The Contractor Product Training (CPT) class includes lectures and extensive hands-on training.

This class is for HVAC people that have attended BPT training. The class size is limited to 20 students so all have a chance to participate in the assembly process.

In addition, our CPT class qualifies for NATE continuing education hour (CEH) credits. The 2 day CPT class will also qualify for the following NATE Knowledge Area of Technical Expertise (KATE) continuing education hour credits:

- 4 hours of Air Distribution Installation
- 4 hours of Air Distribution Service
- 14 hours for Air Conditioning Installation
- 14 hours for Air Conditioning Service
- 12 hours of Heat Pump Installation
- 4 hours for Heat Pump Service



For more information, or to register for a class, visit our training page at www.unicosystem.com/training or give us a call at 1-800-527-0896

In Other News

Unico Announces Financial Support For Prestigious Historic Architectural Drawing Prize Winners

Unico will be providing financial support for finalists vying for the Charles E. Peterson Prize. The prize is awarded each year to college students who display superior drawing abilities in documenting historic buildings.

Unico, will be donating \$1,000 to each of three finalists to help cover travel expenses to the awards ceremony this fall in Denver.

The prize honors Charles E. Peterson, founder of the Historic American Buildings Survey (HABS) program, and is intended to increase awareness, knowledge, and appreciation of historic buildings throughout the United States while adding to the permanent HABS collection of measured drawings at the Library of Congress. To date, more than 2,000 students from 68 colleges and universities have participated by completing more than 500 entries and almost 5,000 sheets of measured drawings.

Unico, Inc. has long been committed to the preservation of historic homes and buildings, and since 2002 has been an official partner of the National Trust For Historic Preservation. The company has provided its unique Unico System HVAC equipment for several of the organization's projects, including the restoration of President Lincoln's Cottage in Washington, DC.

The Charles E. Peterson Prize is sponsored by HABS, the Athenaeum of Philadelphia, and the American Institute of Architects (AIA).

UNICO, Inc.

NATIONAL
TRUST
FOR
HISTORIC
PRESERVATION®

The Unico System® Green Series

Small-Duct High-Velocity Air-Handler

The new S.M.A.R.T. (Software Managed Air Rate Technology) Control Board is the brains of our new Green Series Air-Handler. Our advanced software gives you unrivaled control of the EC motor, resulting in a constant CFM across a wide range of operating conditions. Advantages are:

- The ability to manage both airflow and motor speed according to the needs of the thermostat and/or zoning needs.
- Two options to set airflow
 1. Programmable via a laptop by ordinary USB cable, or
 2. On board, switch selectable pre-programmed settings
- Diagnostic feedback
- An enhanced soft start and soft stop

Our new ECM is a variable-speed fan motor that adjusts speed to provide a consistent flow of comfortable conditioned air with quieter operation.

Features of the new EC motor:

- Saves Money...The new EC motor is 50% more energy efficient at low speed and 10% more energy efficient at full speed than our PSP motor.
- Operates at 110 or 220V

*Saves Money...The new EC motor will provide annual savings of \$25 off your utility bill during the cooling months and \$30 off your utility bill during the heating months.

Air Handler available in the following capacities:

- 1 - 1.5 ton
- 2 - 2.5 ton
- 3 - 3.5 ton
- 4 - 5 ton

Air handlers compatible with the following outdoor units:

- Unico UniChiller air-to-water heat pump or cooling only chiller
- Conventional outdoor DX condensers and heat pumps (single and two stage)
- GeoThermal heat pumps
- When matched with a water-to-water geothermal heat pump unit the Unico System qualifies for the 30% Energy Tax Credit**

Stainless steel drain pan adds longevity to the life of the pan.

Features of the Unico Coil:

- A thicker coil provides 30% greater humidity removal
- Higher heating temperatures when used with a refrigerant based heat pump
- Chilled water coil can be used with both hot and cold water

Unico modular air handlers can be either a vertical, horizontal, or counter flow configuration.

Available Modules:

- Blower
- Cold water coil
- Hot water coil
- DX cooling and heat pump coils
- Return Air
- Electric Furnace

UNICO, Inc.

7401 Alabama Avenue
Saint Louis, MO 63111

800.527.0896

www.unicosystem.com

The Unico System
Green Series Poster Is
NOW Available. Ask
your sales manager
for details

Unico manufactures the world's leading small-duct central heating and cooling solution, called the Unico System. Installed in historic preservation and renovation applications, high-end custom homes and any application where the homeowner, architect, builder or designer mandates superior indoor comfort. Unico is the pre-eminent Small-Duct High-Velocity HVAC product on the market today. Find out why installers and end users have made this heating, ventilation, and air conditioning system the product of choice for better comfort and aesthetics in hundreds of thousands of applications in the US and over a dozen countries world-wide.

UNICO, Inc.

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St. Louis, MO 63111

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www.unicosystem.com

Announcements and Upcoming Events

- **UNICO TO ATTEND THE NATIONAL TRUST FOR HISTORIC PRESERVATION ANNUAL FALL CONFERENCE THIS OCTOBER IN AUSTIN , TX**
- **UNICO TO ATTEND TRADITIONAL BUILDING EXHIBITION AND CONFERENCE THIS OCTOBER IN CHICAGO, IL AT NAVY PIER**
- **UNICO TO BE FEATURED ON EPISODE OF THIS OLD HOUSE IN OCTOBER**
- **UNICO TO ATTEND THE INSTITUTE OF HEATING & AIR CONDITIONING INDUSTRIES 31ST ANNUAL TRADE SHOW AND CONFERENCE THIS NOVEMBER IN PASADENA, CA**